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FINAL ENGINEERING REPORT
138 BRUCKNER BOULEVARD
BRONX, NEW YORK
NYSDEC SITE # C203127

by
Haley & Aldrich of New York

for
138 Bruckner Realty LLC
Bronx, New York

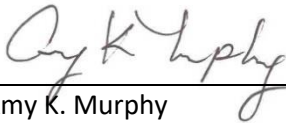
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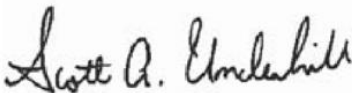
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BRONX, NEW YORK

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Certifications

I, Scott A. 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 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 Haley & Aldrich of New York, 213 West 35th Street, 7th Floor, New York, New York, am certifying as Owner's Designated Site Representative for the site.



November 15, 2023

Date

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H	Tank Removal Documentation
I	Hydraulic Oil Spill Documentation
J	Raw Analytical Laboratory Data (ShareFile Link)
K	Data Validation • DUSRs For All Endpoint Samples • Electronic Data Deliverable Submission Correspondence
L	Imported Material Documentation
M	Zoning Map
N	Dewatering Permit

List of Acronyms

Acronyms

Alpha Analytical
 BCA
 BCP
 C&D
 CAMP
 CCR
 CHASP
 CPP
 CQAP
 cu yd
 DD
 DUSR
 EC/IC
 Eastern Environmental
 ELAP
 ESA
 eV
 FER
 ft bgs
 GC
 GC/CM
 Haley & Aldrich
 HASP
 IRMs
 mg/L
 NAPL
 NYCDEP
 NYCDOB
 NYSDEC
 NYSDOH
 NYSDOT
 OSHA
 PFAS
 PFOS
 PID
 PIM
 ppm
 Prestige Construction
 QAPP
 QA/QC
 QEP
 RAOs
 RAWP
 RCRA

Definition

Alpha Analytical Laboratories, Inc.
 Brownfield Cleanup Agreement
 Brownfield Cleanup Program
 Concrete and Demolition
 Community Air Monitoring Plan
 Construction Completion Report
 Construction Health & Safety Plan
 Community Participation Plan
 Construction Quality Assurance Plan
 Cubic Yards
 Decision Document
 Data Usability Summary Report
 Engineering and Institutional Control
 Eastern Environmental Solutions, Inc.
 Environmental Laboratory Approval Program
 Environmental Site Assessment
 Electron Volt
 Final Engineering Report
 Feet Below Ground Surface
 General Contractor
 General Contractor/Construction Manager
 Haley & Aldrich of New York
 Health & Safety Plan
 Interim Remedial Measures
 milligrams per liter
 Non-aqueous Phased Liquid
 New York City Department of Environmental Protection
 New York City Department of Buildings
 New York State Department of Environmental Conservation
 New York State Department of Health
 New York State Department of Transportation
 Occupational Safety & Health Administration
 Per- and Polyfluoroalkyl Substances
 Perfluorooctane Sulfonate
 Photoionization Detector
 Petroleum-Impacted Material
 Parts Per Million
 Prestige Construction NY LLC
 Quality Assurance Project Plan
 Quality Assurance/Quality Control
 Qualified Environmental Professional
 Remedial Action Objectives
 Remedial Action Work Plan
 Resource Conservation and Recovery Act

RD	Remedial Design
RE	Remedial Engineer
ROD	Record of Decision
S/MMP	Soils/Materials Management Plan
SCOs	Soil Cleanup Objectives
SDSs	Safety Data Sheets
SEQRA	State Environmental Quality Review Act
Site	138 Bruckner Boulevard, Bronx, New York 10454
SMP	Site Management Plan
SOE	Support of Excavation
SOPs	Standard Operating Procedures
SPDES	State Pollutant Discharge Elimination System
SPLP	Synthetic Precipitation Leaching Procedure
sq ft	Square foot
SVI	Soil Vapor Intrusion
SVIWP	Soil Vapor Intrusion Work Plan
SVOCs	Semi-Volatile Organic Compound
SWPPP	Storm-water Pollution Prevention Plan
TCLP	Toxicity Characteristic Leaching Procedure
TSCA	Toxic Substances Control Act
TSDFs	Treatment, storage, and disposal facility
$\mu\text{g}/\text{m}^3$	Micrograms per cubic meter
USEPA	United States Environmental Protection Agency
USTs	Underground Storage Tanks
UUSCO	Unrestricted Use Soil Cleanup Objectives
VCA	Voluntary Cleanup Agreement
VOC	Volatile Organic Compound
York Analytical	York Analytical Laboratories, Inc.

1. Background and Site Description

138 Bruckner 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 1.16-acre property located in the Mott Haven neighborhood of the Bronx, New York. The property was remediated to unrestricted use and will be used for residential purposes.

The site is located in the County of Bronx, New York, and is identified as Block 2260 and Lot 10 (previously Lot 10 and Lot 19) on the New York City Tax Map. Lot 19 was merged into Lot 10 in January 2022 ("Site"). Brownfield Cleanup Agreement Amendment 02 was submitted on 26 September 2023 to the NYSDEC to reflect this lot merger. A Project Locus is provided as Figure 1. The Site is situated on an approximately 1.16-acre area bounded by Bruckner Boulevard and two multi-family residential buildings to the north, East 132nd Street to the south, St. Ann's Avenue to the east, and a gasoline station and an iron works to the west (see Figure 2). The boundaries of the site are fully described in Appendix A: Survey Map, Metes and Bounds.

Based on the historical Sanborn Fire Insurance Maps and City Directories presented in the 2019 Phase I Environmental Site Assessment (ESA), the Site was vacant up until approximately 1908, when Lot 10 was developed with several low-rise dwellings. The warehouse on Lot 19 was constructed by 1935 and was initially occupied by Vess Dry Bottling Co. on the western side of the lot and Fireproof Products Co. on the eastern side of the lot. North Eastern Bag & Burlap Co. was additionally identified in the western portion of the building between 1940 and 1947. Fireproof Products Co. occupied the entire warehouse from 1951 up until approximately 1968. Lot 19 became vacant by 1986. Operations by the most recent building occupant, Zaro's Bake Shop, reportedly began in 1993. The buildings were demolished in early 2022.

Construction for the new development is currently ongoing and when completed, the Site will be improved with a 12-story residential building. It is anticipated that this structure would be developed with a single-story sub-grade cellar encompassing the entire Site footprint. The proposed development conforms with the existing M1-5/R8A zoning (Appendix M).

An electronic copy of this Final Engineering Report (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 this Site.

2.1.1 Groundwater RAOs

- RAOs for Public Health Protection:
 - Prevent ingestion of groundwater with contamination levels exceeding drinking water standards.
 - Prevent direct contact or inhalation of volatiles from contaminated groundwater.

2.1.2 Soil RAOs

- RAOs for Public Health Protection:
 - Prevent ingestion/direct contact with contaminated soil.
 - Prevent inhalation of, or exposure to, contaminants volatilizing from contaminants in soil.
- RAOs for Environmental Protection:
 - Prevent migration of contaminants that would result in groundwater or surface water contamination.

2.1.3 Soil Vapor RAOs

- RAOs for Public Health Protection:
 - Mitigate the risk of impacts to public health resulting from existing, or the potential for, soil vapor migration off-Site, or intrusion into the proposed development 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 August 2022 prepared by Haley & Aldrich of New York (Haley & Aldrich), and the Decision Document (DD) dated 17 August 2022 as a Track 1 Cleanup (Alternative 1) that consists of the removal of on-Site soil which exceeds Unrestricted Use Soil Cleanup Objectives (UUSCOs) or the proposed Unrestricted Use Guidance Values included in the November 2022 NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS). A Track 1 Cleanup was achieved and documented in Tables VII and VIII and Figures 9, 10, and 11. Prior to the implementation of the remedy, the demolition of the existing building was performed in early 2022. Remedial activities occurred at the Site between 28 September 2022 and 22 May 2023. Daily and monthly reports documenting remedial activities are provided in Appendix E.

The factors considered during the selection of the remedy are those listed in 6NYCRR 375-1.8. The following are the components of the selected remedy:

1. Development and implementation of a Construction Health & Safety Plan (CHASP) and Community Air Monitoring Plan (CAMP) for the protection of on-Site workers, community/residents, and the environment during remediation and construction activities.
2. Design and construction of a support of excavation (SOE) system to facilitate the Track 1 remediation.
3. Implementation of soil erosion, pollution, and sediment control measures in compliance with applicable laws and regulations.
4. Demolition of existing Site buildings, structures, and the concrete slab beneath the buildings.
5. Excavation stockpiling, offsite transport, and disposal of about 12,000 cubic yards (cu yd) of historic fill and solid waste that exceeds UUSCOs as defined by 6 NYCRR Part 375-6.8. Excavation will be to 8 feet below ground surface (ft bgs) (bottom of historical fill) in the existing building footprint, 4 ft bgs (bottom of historical fill) in the southeastern parking area, and 2 ft bgs (bottom of historical fill) in the northeastern parking area to remove material exceeding UUSCOs. For development purposes (not part of the remedy), excavation will extend to 25 ft bgs for a total of approximately 47,000 cu yd of material that will be removed from the Site. One area in the eastern portion of the Site surrounding the RI-SB-08 soil sample location (approximately 1,200 square foot [sq ft] area) will be excavated to 6 ft bgs to remove material exceeding UUSCOs.
6. If encountered, removal of underground storage tanks (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 DER-10, 6 NYCRR Part 613.9, NYSDEC CP-51, and other applicable NYSDEC UST closure requirements.
7. Screening for indications of contamination (by visual means, odor, and monitoring with a photoionization detector [PID]) of excavated soil during any intrusive Site work.
8. Dewatering, characterization, and treatment of water accumulated in excavations prior to discharge to a New York City Department of Environmental Protection (NYCDEP)-approved sewer/sanitary line, or localized dewatering with containerization, classification, and disposal at an approved receiving facility.
9. Appropriate offsite disposal of material removed from the Site in accordance with federal, state, and local rules and regulations for handling, transport, and disposal.
10. Collection and analysis of confirmation endpoint soil samples from the base of the remedial excavation (i.e., 8 ft bgs, 4 ft bgs, and 2 ft bgs) in accordance with DER-10 and the RAWP to confirm UUSCOs/PFAS Guidance Values were achieved.
11. 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 excavation activities and prior to occupancy. A Soil Vapor Intrusion Work Plan (SVIWP) will be provided to the NYSDEC and NYSDOH for review and approval prior to commencing the SVI evaluation. The sampling of the building will be completed during the 2023/2024 heating season as well as prior to occupancy.

3. Interim Remedial Measures, Operable Units and Remedial Contracts

The remedy for this Site was performed as a single project, and no interim remedial measures, operable units or separate construction contracts were performed.

The information and certifications made in the RAWP for the 138 Bruckner Boulevard Site (C203127) dated August 2022, and the DD dated 17 August 2022, 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 138 Bruckner Boulevard site (C203127) dated August 2022 and the DD dated 17 August 2022. All deviations from the RAWP are noted below.

4.1 GOVERNING DOCUMENTS

Governing documents include the following:

1. NYSDEC BCA executed on 14 March 2022;
2. NYSDEC-approved RAWP dated August 2022; and
3. NYSDEC DD dated 17 August 2022.

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 Federal Occupational Safety and Health Administration (OSHA).

The Health and Safety Plan (HASP) 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; and
- Safety Data Sheets (SDSs).

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 Dunn Safety 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 H of the August 2022 RAWP approved 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. ASP Category B deliverables were prepared for remedial performance samples collected during remedial construction. Data Usability Summary Reports (DUSRs) prepared by a qualified data validator are provided in Appendix K.

4.1.3 Construction Quality Assurance Plan (CQAP)

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

138 Bruckner Realty LLC engaged Prestige Construction as their representative General Contractor/Construction Manager (GC/CM) 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 CQAP, 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:	Amy K. Murphy
Haley & Aldrich Safety Officer:	Brian Ferguson
Site Safety Coordinator:	Matthew Forshay
Qualified Environmental Professional (QEP):	James Bellew
Field Staff Members:	Matthew Forshay, Matthew Cal
Quality Assurance Officer:	Kerry Rapp

The RE and QEP directly supervised field staff that were on-Site during the remedial activities, including tank excavation and removal, dewatering 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 E.

4.1.4 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 (non-Resource Conservation and Recovery Act [RCRA], non-Toxic Substances Control Act [TSCA]), and lead-impacted hazardous soil that were disturbed during the implementation of the remedy, including excavation, handling, storage, transport, and disposal. It also includes controls that provide for the 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 (Hitachi ZX245, Hitachi ZX345, Hitachi ZX470, Hitachi ZX370, Takeuchi TB240) to the final excavation depths, which ranged from about 24 to 29 ft bgs Site-wide. Excavation structural support consisted of sheet piling, waling beams, tiebacks, and steel raker beams along the Site boundary.

4.1.4.1 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. Waste characterization sampling events were performed from 28 February 2022 to 4 March 2022 and were comprised of a total of 60 soil borings advanced to 25 ft. Based on an evaluation of the sampling protocols for potential offsite disposal facilities, the designated sampling frequency was one sample set per each 800 cu yd. The Site was divided into 12 lateral grids, identified as A-1 through A-8 and B-1 through B-4, and five vertical layers: 0 to 5 ft bgs, 5 to 10 ft bgs, 10 to 15 ft bgs, 15 to 20 ft bgs, and 20 to 25 ft bgs. Five borings were advanced in each lateral grid for composite soil samples. In total, 60 discrete and 60 composite soil samples were collected as part of the waste characterization and submitted for chemical 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 on Figure 3. Waste characterization sampling documentation is included in Appendix G.

At the request of the disposal facilities, supplemental characterization soil samples were collected on 31 August 2022 and were comprised of five borings advanced to 10 ft and four borings advanced to 5 ft. In total, nine discrete soil samples were collected as part of the supplemental waste characterization and submitted for chemical analysis for total lead and Toxicity Characteristic Leaching Procedure (TCLP) lead or PFAS and Synthetic Precipitation Leaching Procedure (SPLP) PFAS. A list of supplemental waste characterization samples by area and/or material type is provided in Table II. The supplemental waste characterization sampling locations are shown on Figure 3. Supplemental waste characterization sampling documentation is included in Appendix G.

Delineation of lead-impacted hazardous soil identified in SB-01A at 4.5 to 5.5 ft bgs was conducted on 8 September 2022. Discrete soil sample SB-01A (4.5-5.5) contained a concentration of TCLP lead of 66.2 milligrams per liter (mg/L) which exceeds the RCRA Maximum Concentration of Contaminants for the Toxicity Characteristic of 5 mg/L. Delineation activities included the advancement of soil borings to evaluate the discrete soil sample at 4.5 to 5.5 ft bgs in SB-01A classified as hazardous for lead. One soil boring was advanced at SB-01A (identified as SB-01B) to vertically delineate SB-01A and three borings were advanced on the northern, eastern, and southern sides of SB-01A for horizontal delineation. Four additional soil borings were advanced on the eastern and southern sides of SB-01A for contingent horizontal delineation. A list of hazardous lead delineation samples is provided in Table II. The hazardous lead delineation sampling locations are shown on Figure 3. Hazardous lead delineation sampling documentation is included in Appendix G.

Additional waste characterization soil samples were collected in May 2023 during excavation activities for additional disposal facility approvals for Grid B-5 from 25 to 29 ft bgs (a total of one composite and one discrete sample). A list of supplemental waste characterization samples by area and/or material type is provided in Table II. The supplemental waste characterization sampling locations are shown on Figure 3. The May 2023 waste characterization sampling documentation is included in Appendix G.

4.1.4.2 Soil Screening

Soil was periodically screened for visual and olfactory evidence of contamination as well as instrumentally with a calibrated PID equipped with a 10.6 electron volt (eV) lamp.

On 7 October 2022, visual and olfactory impacted soils were observed in the vicinity of endpoint locations EP-48 and EP-49 at 3.5 to 4 ft bgs. On 19 October and 20 October 2022, test pits were conducted to delineate the area, and soil samples (SS-01) were collected at the most visually and olfactory-impacted test pit at seven intervals (i.e., 4 to 4.5 ft bgs, 6 to 6.5 ft bgs, 8 to 8.5 ft bgs, 10 to 10.5 ft bgs, 12 to 12.5 ft bgs, 14 to 14.5 ft bgs, and 16 to 16.5 ft bgs) to characterize the petroleum-impacted soil. Samples were analyzed for NYSDEC CP-51 volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). Analytical results were below UUSCOs for all samples. Characterization documentation is included in Appendix G.

After the petroleum-impacted soil characterization was conducted on 20 October 2022, additional impacts were observed throughout the Site. To facilitate the Track 1 remediation, field staff collected additional soil samples of observed petroleum-impacted material (PIM). The sampling approach and results are discussed below in Section 4.4.2.

4.1.4.3 Stockpiling

Soils temporarily stockpiled on-Site were covered with 6-mil polyethylene sheeting while disposal options were determined. 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.

In accordance with the RAWP dated August 2022, field personnel screened soil stockpiles at the end of each day with a PID and reported the concentrations to NYSDEC and NYSDOH. PID readings from the soil stockpiles were up to 92 parts per million (ppm).

4.1.4.4 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 three categories:

- Hazardous Contaminated Soil (i.e., TCLP lead greater than 5.0 mg/L):
 - Clean Earth of North Jersey located at 105 Jacobus Avenue, Kearny, New Jersey.
- Non-Hazardous Contaminated Soil (soil greater than UUSCOs):
 - Keystone Trade Center located at 1802 S. Pennsylvania Avenue, Fairless Hills, Pennsylvania.
 - NJ Zinc (managed by Phase III Environmental) located at 1120 Mauch Chunk Road, Palmerton, Pennsylvania.
 - Bayshore Soil Management located at 75 Crows Mill Road, Keasbey, New Jersey.

- Uncontaminated Native Soil (soil less than UUSCOs and met New Jersey Soil Remediation Standards as clean fill):
 - Old Bridge Redevelopment located at 2334 Old Bridge Matawan Road, Old Bridge, New Jersey.

Hazardous contaminated soil was shipped under a hazardous waste manifest system under United States Environmental Protection Agency (USEPA) identification number NYR000258061. 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 G.

Trucks utilized for the transport of hazardous and non-hazardous soil were weighed before and after unloading at the disposal facility. Trucks utilized for the transport of uncontaminated soil to Old Bridge Redevelopment were not weighed since the redevelopment is not equipped with a scale. Waste disposal documentation is included in Appendix G.

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 Mount Materials, LLC concrete recycling facility located in Fairless Hills, Pennsylvania. A Bill of Lading system or equivalent was used for the disposal of C&D materials.

4.1.4.5 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 the route set forth in the RAWP. Vehicles entered the Site through designated points of access along Bruckner Boulevard and East 132nd Street and exited onto Bruckner Boulevard and St. Ann's Avenue from designated points of egress along the northern boundary of the Site. Trucks were not permitted to idle in residential neighborhoods near the Site. Part 364 permits are included in Appendix G.

4.1.4.6 Fluids Management

Construction dewatering was required to reach the final excavation depth. Localized dewatering was performed with a NYCDEP discharge permit (C001862145) to facilitate remedial excavations. The design and construction of the dewatering system including installation of temporary well points and a header pipe along the Site boundary, and a flow meter installed on the effluent/discharge side of a settling tank. Based on flow meter readings, approximately 389,600 gallons of water were discharged to the sewer. The dewatering permit for the Site is included in Appendix N.

4.1.4.7 Materials Reuse

Material was not reused as part of the remedial action.

4.1.5 Storm-Water Pollution Prevention Plan (SWPPP)

The Site is exempt from the NYSDEC State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activity (Permit No. GP-0-15-002) requirement as it is solely serviced by combined sewers. As such, a SWPPP was not required. The erosion and sediment

controls were in conformance with requirements presented in the New York State Guidelines for Urban Erosion and Sediment Control. As necessary, hay bales were placed at locations upgradient of excavation areas to control stormwater runoff and surface water from entering or exiting the excavation. Catch basin inlets immediately adjacent to the work area were protected to prevent disturbed soil from entering.

4.1.6 Community Air Monitoring Plan

Air monitoring was performed in accordance with the Site-specific CAMP, which was included as Section 5.4.11 in the RAWP. The CAMP provided measures for protection for on-Site workers and the downwind community (i.e., offsite 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 28 September 2022 and continued until ground intrusive activities were completed on 22 May 2023.

Monitoring for VOC levels (in ppm) and for PM₁₀ (in micrograms per cubic meter [$\mu\text{g}/\text{m}^3$]) 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 $\mu\text{g}/\text{m}^3$ 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.

Results of the CAMP monitoring are discussed in Section 4.2.5.

4.1.7 Contractors Site Operations Plans

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.

4.1.8 Community 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 Fact Sheet dated 21 June 2022 described the proposed draft RAWP for the Site. A Fact Sheet dated 14 June 2022 announced the start of the remedial action. A Fact Sheet announcing the completion of remedial activities were electronically distributed in October 2023.

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

New York Public Library – Mott Haven Branch

321 E 140th Street
Bronx, New York 10454
718.665.4878

Bronx Community Board 1

3030 3rd Avenue
Bronx, New York, 10455
718.585.7117

4.2 REMEDIAL PROGRAM ELEMENTS

4.2.1 Contractors and Consultants

- Haley & Aldrich of New York – RE consultant responsible for overseeing proper implementation of the RAWP and certification of the FER.
- Prestige Construction – GC responsible for implementing the majority of actions detailed in the RAWP.
- Design N Safety Inc. – Contractor responsible for building demolition.
- Moncon Inc. – Contractor responsible for Site preparation, soil excavation, SOE installation, and subgrade preparation for foundation slab installation.
- Clean Earth – Soil transport and disposal broker responsible for coordinating approvals for disposal of material as stipulated in the RAWP.
- Rock Brokerage - Soil transport and disposal broker responsible for coordinating approvals for disposal of material as stipulated in the RAWP.
- YESS Trucking & Disposal – Soil and C&D transport and disposal and import material broker responsible for coordinating approvals for disposal and import of material as stipulated in the RAWP.
- Eastern Environmental Solutions, Inc. (Eastern Environmental) – Subcontractor responsible for cleaning, removing, and decommissioning of the USTs encountered during implementation of the RAWP.

- 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.
- York Analytical Laboratories, Inc. (York Analytical) – An ELAP-certified laboratory responsible for analyzing confirmatory endpoint samples as required by the RAWP.

4.2.2 Site Preparation

Demolition of the former Site buildings was performed in early 2022, prior to contractor mobilization the week of 28 September 2022. The Remediation Contractor completed the following tasks during mobilization and Site preparation:

- Mobilized necessary remediation personnel, equipment, and materials;
- Constructed four stabilized construction entrances, one located on the northern boundary of the Site along Bruckner Boulevard, one located on the southern boundary of the Site along East 132nd Street, and two located on the eastern boundary of the Site along St. Ann's Avenue;
- Installed erosion and sediment control measures in accordance with the construction specifications; and,
- Obtained agency approvals and permits, including New York City Department of Buildings (NYCDOB), NYCDEP, and NYSDEC permits or permit equivalents.

A pre-construction meeting was held with NYSDEC and all contractors on 1 September 2022.

Documentation of agency approvals required by the RAWP is included in Appendix C.

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.

A NYSDEC-approved project sign was erected at the project entrance and remained in place during all phases of the 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;
- Safe work practices were employed, such as organized work areas, regular health and safety check-ins, proper equipment storage, and
- Soil stockpiles containing petroleum-impacted material were screened daily with a PID and evaluated against the VOC action level of 5 ppm.

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 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 through 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.
- 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 was capable of controlling emissions of nuisance odors offsite and on-Site. Nuisance odors were not identified during the implementation of the RAWP.

4.2.4.4 *Erosion and Sediment Controls & Construction Entrances*

BMP for soil erosion were selected and implemented, as needed, to mitigate erosion and sedimentation offsite. 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.

4.2.5 CAMP Results

CAMP monitoring for VOCs and dust was performed at both upwind and downwind locations during the entire implementation of the RAWP, weather permitting. Monitoring equipment included four Aeroqual AQS Systems. Each CAMP station was linked to the Aeroqual Cloud which recorded air monitoring readings in a cloud-based system. CAMP results were generally within the action limits set forth in the CAMP, included in the CHASP as Appendix D of the RAWP. Exceedances of action levels or errors that occurred are summarized below and in Table III.

Exceedances due to intrusive activities occurred on:

- 01 November 2022;
- 04 November 2022;
- 13 January 2023; and

- 16 January 2023.

Exceedances due to welding SOE components occurred on:

- 09 February 2023;
- 16 February 2023;
- 21 March 2023;
- 27 April 2023; and
- 04 May 2023.

Exceedances due to other Site activities occurred on:

- 23 March 2023;
- 03 April 2023; and
- 26 April 2023.

Errors due to CAMP equipment malfunctions occurred on:

- 03 October 2022;
- 06 October 2022;
- 07 October 2022;
- 19 October 2022 through 21 October 2022;
- 24 October 2022;
- 28 November 2022;
- 24 January 2023;
- 16 May 2023 through 19 May 2023; and
- 22 May 2023.

Data gaps due to no intrusive activities or inclement weather occurred on:

- 03 May 2022;
- 28 September 2022 through 30 September 2022;
- 04 October 2022;
- 24 October 2022;
- 30 November 2022;
- 06 December 2022;
- 07 December 2022;

- 15 December 2022;
- 16 December 2022;
- 22 December 2022;
- 27 December 2022;
- 03 January 2023;
- 06 January 2023;
- 12 January 2023;
- 19 January 2023;
- 23 January 2023;
- 25 January 2023;
- 16 February 2023;
- 17 February 2023;
- 22 February 2023;
- 28 February 2023;
- 13 March 2023;
- 14 March 2023;
- 23 March 2023;
- 05 April 2023;
- 21 April 2023; and
- 02 May 2023.

Copies of all field data sheets relating to the CAMP are provided in electronic format in Appendix D. The upwind and downwind CAMP station locations were contingent upon daily wind directions and the location of construction activities taking place on the Site each day.

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 NYSDEC and NYSDOH by electronic media. The reports generally included the following:

- An update of progress made during the reporting day;
- A summary of 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 E.

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

4.3 CONTAMINATED MATERIALS REMOVAL

The remedial action included the following material removals:

- Demolition of existing Site buildings, structures, and the concrete slab beneath the buildings;
- Removal of two USTs including decommissioning and offsite disposal in accordance with DER-10, 6 NYCRR Part 613.9, NYSDEC CP-51, and other applicable NYSDEC UST closure requirements;
- Excavation and offsite disposal of non-hazardous soil/fill above UUSCOs/PFAS Guidance Values;
- Excavation and offsite disposal of hazardous lead-impacted soil/fill;
- Excavation and offsite disposal of PIM; and
- Excavation and offsite 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 proposed and performed is shown in Figure 4. The excavation depths as-builts for remedial, PIM, and development depths are shown on Figures 5, 7, and 8, respectively.

4.3.1 Building Demolition

In early 2022, the former Site buildings were demolished. This work was performed following approval of the RAWP to facilitate foundation contractor mobilization, SOE installation, and commencement of remedial excavation.

4.3.2 USTs and Contents

Two USTs, one 1,000-gallon (UST-001) and one 3,000-gallon storage tank (UST-002), were encountered during remedial excavation at the Site. The 1,000-gallon UST and 3,000-gallon UST were found along the northern boundary and in the southwest corner of the Site, respectively. A total of approximately 535 gallons of fuel oil/water mixture and approximately 600 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, removed by Eastern Environmental, and recycled at Gershow Recycling in Medford, New York. Table IV summarizes the details of the tanks including volume, contents, date encountered, and date removed from the Site. A total of 23 base soil samples and eight sidewall soil samples were collected from beneath the formerly encountered USTs. An affidavit from Eastern Environmental for tank removal and certificate of destructions is provided in Appendix H. Registration paperwork was submitted to the NYSDDEC Petroleum Bulk Storage program on 15 August 2023. Correspondence is included in Appendix H. Tank and sample locations are shown in Figure 10. Results are provided in Appendix H and Table V.

4.3.2.1 UST-001

On 20 October 2022, a 1,000-gallon fuel oil UST (UST-001) was found in the northern portion of the Site directly below the concrete slab of the former building. The tank appeared partially full of residual fuel oil and noticeable staining was observed beneath the tank, however, no evidence of breaches in the shell of the tank was observed. Since PIM was observed across the Site within the proposed remedial excavation and no breaches were observed in the tank, Haley & Aldrich classified the impacted soil as part of the Sitewide historical impacts. To attain UST closure, Haley & Aldrich excavated and sampled impacted soil under the UST in accordance with DER-10 Section 5.5. On 21 October 2022, approximately 15 cu yd of impacted soil was segregated and placed on plastic sheeting. Impacted material was disposed of from the Site on 24 October 2022 to Bayshore Soil Management of Keasby, New Jersey. On 03 November 2022, an additional 60 cu yd of impacted soil was excavated and transported to Bayshore Soil Management. The impacted material was excavated to 15 ft bgs in the area of the UST, and five endpoint samples were collected. The base soil sample and four sidewall soil samples to the north, east, south, and west were analyzed for VOCs, SVOCs, and metals by York Analytical, a NYSDOH ELAP-certified laboratory (ELAP ID 10854 and 12058). VOCs and metals were detected above the UUSCOs in the base and sidewall samples.

On 05 April 2023, an additional 20 cu yd of impacted soil was excavated and transported to Bayshore Soil Management. The impacted material was excavated to 17 ft bgs in the area of the UST, and endpoint samples were collected. The base soil sample and four sidewall soil samples to the north, east, south, and west were analyzed for VOCs and metals by Alpha Analytical, a NYSDOH ELAP-certified laboratory (ELAP ID 11148). VOCs and metals were not detected above the UUSCOs in the base and sidewall samples.

Results are provided in Appendix H and Table V. Sample locations are shown in Figure 10.

4.3.2.2 UST-002

On 01 November 2022, a 3,000-gallon fuel oil UST (UST-002) was found in the southwestern portion of the Site directly below the concrete slab of the former building. The tank appeared partially full of residual fuel oil, and no staining or evidence of a discharge was observed. To attain UST closure, Haley & Aldrich sampled soil under the UST in accordance with DER-10 Section 5.5. On 07 November 2022, four endpoint samples were collected. The base soil samples were analyzed for VOCs, SVOCs, and metals by York Analytical, a NYSDOH ELAP-certified laboratory (ELAP ID 10854 and 12058). SVOCs and metals were detected above the UUSCOs in the base samples.

On 03 February 2023, an additional 10 cu yd of impacted soil was excavated and transported to Bayshore Soil Management. The impacted material was excavated to 5.5 ft bgs in the area of the UST, and endpoint samples were collected. The base soil samples were analyzed for SVOCs and metals by York Analytical, a NYSDOH ELAP-certified laboratory (ELAP ID 10854 and 12058). Metals were detected above the UUSCOs in the base samples.

On 15 February 2023, an additional 40 cu yd of impacted soil was excavated and transported to Bayshore Soil Management. The impacted material was excavated to 15.5 ft bgs in the area of the UST. Endpoint samples were collected every 2 ft from 7.5 to 15.5 ft bgs. The base soil samples were analyzed for metals by York Analytical, a NYSDOH ELAP-certified laboratory (ELAP ID 10854 and 12058). Metals were not detected above the UUSCOs in the base samples.

Results are provided in Appendix H and Table V. Sample locations are shown in Figure 10.

4.3.3 Soil/Fill Material/Petroleum-Impacted Material

A total of 86,060.94 tons of soil/fill material/PIM were removed from the Site. Remedial excavation to achieve UUSCOs/PFAS Guidance Values included removal of hazardous soil, non-hazardous soil, and uncontaminated soil. A total of 67,018.94 tons of soil/fill/PIM was removed from the remedial excavation area including 66,967.72 tons of non-hazardous soil/urban fill/PIM and 51.22 tons of hazardous soil. Offsite soil/waste disposal volumes and facilities are summarized in Table VI. Waste disposal documentation is included in Appendix G.

The proposed remedial excavation to remove non-hazardous soil extended to a depth of 2 ft bgs in the northeastern portion of the Site (grids represented by EP-41 through EP-46), 4 ft bgs in the southeastern portion of the Site (grids represented by EP-47 through EP-58), and 8 ft bgs in the western portion of the Site (grids represented by EP-01 through EP-40). The following over-excavation areas were required to meet UUSCOs/PFAS Guidance Values including:

- Excavation to a depth of 4 ft bgs in the grids represented by endpoint samples EP-42 and EP-45;
- Excavation to a depth of 6 ft bgs in the grids represented by endpoint samples EP-43, EP-46, EP-49, EP-50, and EP-54 through EP-56;
- Excavation to a depth of 8 ft bgs in the grid represented by endpoint sample EP-44;
- Excavation to a depth of 9 ft bgs in the grid represented by endpoint sample EP-57;
- Excavation to a depth of 10 ft bgs in grids represented by endpoint samples EP-03, EP-06, EP-08, EP-09, EP-14, EP-18, EP-21, EP-32 through EP-34, EP-36, EP-37, EP-39, and EP-40;

- Excavation to a depth of 12 ft bgs in the grids represented by endpoint samples EP-02, EP-12, EP-13, EP-23, EP-26, and EP-30;
- Excavation to a depth of 13.5 ft bgs in the grid represented by endpoint sample EP-58;
- Excavation to a depth of 14 ft bgs in grids represented by endpoint samples EP-11 and EP-27;
- Excavation to a depth of 16 ft bgs in the grid represented by endpoint sample EP-01;
- Excavation to a depth of 18 ft bgs in the grid represented by endpoint sample EP-31; and
- Excavation to a depth of 20 ft bgs in the grid represented by endpoint sample EP-16.

In addition to meeting UUSCOs/PFAS Guidance Values, soils observed with PIM were over-excavated to meet Track 1. Over-excavation areas due to PIM included the following:

- Excavation to a depth of 6 ft bgs in the grid represented by endpoint sample EP-46;
- Excavation to a depth of 6.5 ft bgs in the grid represented by endpoint sample EP-51;
- Excavation to a depth of 8 ft bgs in the grid represented by endpoint sample EP-49;
- Excavation to a depth of 10 ft bgs in the grid represented by endpoint sample EP-48;
- Excavation to a depth of 12 ft bgs in grids represented by endpoint samples EP-44, EP-45, and EP-50;
- Excavation to a depth of 14 ft bgs in grids represented by endpoint samples EP-24 and EP-47;
- Excavation to a depth of 15 ft bgs in grids represented by endpoint samples EP-39 and EP-40;
- Excavation to a depth of 16 ft bgs in the grid represented by endpoint sample EP-22;
- Excavation to a depth of 17 ft bgs in the grid represented by endpoint sample EP-02;
- Excavation to a depth of 18 ft bgs in grids represented by endpoint samples EP-03, EP-29, EP-30, EP-33, and EP-34;
- Excavation to a depth of 19.5 ft bgs in the grid represented by endpoint sample EP-07;
- Excavation to a depth of 20 ft bgs in grids represented by endpoint samples EP-11, EP-16, EP-21, EP-26, EP-28, and EP-31;
- Excavation to a depth of 21 ft bgs in grids represented by endpoint samples EP-08, EP-13, EP-17, EP-18, and EP-32;
- Excavation to a depth of 22 ft bgs in the grid represented by endpoint sample EP-01;
- Excavation to a depth of 23 ft bgs in the grid represented by endpoint sample EP-12;
- Excavation to a depth of 24 ft bgs in grids represented by endpoint samples EP-06, EP-35 through EP-38, and EP-58; and
- Excavation to a depth of 25 ft bgs in grids represented by endpoint samples EP-23 and EP-27.

The Track 1 goals and UUSCOs/PFAS Guidance Values were achieved as shown in Table VII. Figures showing the proposed and completed remedial excavation extents and depths, lateral extent of PIM, and max remedial/PIM excavation depths are presented as Figure 4, 5, 6, 7, and 8, respectively. Remedial and PIM excavation depths are presented as Table IX.

Excavation to achieve development depth included the removal of uncontaminated native soil. Approximately 19,042.00 tons of uncontaminated native soil was removed from the development excavation area. Development excavation generally extended to a depth of 24 ft bgs in the northern and southern portions of the Site, 25 ft bgs in the central portion of the Site, and 29 ft bgs in the eastern portion of the Site. A figure showing the completed development excavation extents and depths is presented as Figure 8. Offsite soil/waste disposal volumes and facilities are summarized in Table VI. Waste disposal documentation is included in Appendix G.

A total of approximately 2,580 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 February and March 2022, supplemental waste characterization sampling was performed by Haley & Aldrich in August 2022 and May 2023, and delineation of lead-impacted hazardous soil was performed by Haley & Aldrich in September 2022 to facilitate approval for soil sent to Clean Earth, Bayshore Soil Management, Old Bridge Redevelopment, and the NJ Zinc site. Waste characterization disposal grids are shown in Figure 3. Soil waste characterization sampling documentation is included in Appendix G.

A total of approximately 86,060.94 tons of soil/fill was removed from the Site including the following:

- 51.22 tons (approximately 30 cu yd) of hazardous soil;
- 66,967.72 tons (approximately 44,600 cu yd) of non-hazardous soil; and
- 19,042.00 tons (approximately 12,700 cu yd) of uncontaminated soil.

A total of approximately 2,580 cu yd of C&D debris was also removed from the remedial excavation area.

Table VI 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 Tables II, V, VII, and VIII.

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

Manifests and bills of lading are included in electronic format in Appendix G.

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

4.3.3.2 Hazardous Soil

A total of 51.22 tons (approximately 30 cu yd) of hazardous soil/fill material was excavated and transported offsite between 08 February and 17 February 2023 to Clean Earth of North Jersey located at 115 Jacobus Avenue, Kearny, New Jersey.

4.3.3.3 *Non-Hazardous Soil*

A total of 66,967.72 tons (approximately 44,600 cu yd) of non-hazardous soil was excavated and transported offsite between 07 October 2022 and 01 May 2023 to the following facilities:

- 1,391.86 tons (approximately 930 cu yd) to Keystone Trade Center, located at 1802 S. Pennsylvania Avenue, Fairless Hills, Pennsylvania.
- 53,416.72 tons (approximately 35,700 cu yd) to Bayshore Soil Management, located at 75 Crows Mill Road, Keasbey, New Jersey.
- 7,621.14 tons (approximately 5,080 cu yd) to NJ Zinc (managed by Phase III Environmental), located at 1120 Mauch Chunk Road, Palmerton, Pennsylvania.
- 4,538.00 tons (approximately 3,040 cu yd) to Old Bridge Redevelopment located at 2334 Old Bridge Matawan Road, Old Bridge, New Jersey.

4.3.3.4 *Uncontaminated Soil*

A total of 19,042.00 tons (approximately 12,700 cu yd) of uncontaminated soil was excavated and transported offsite between 28 February and 22 May 2023 to Old Bridge Redevelopment located at 2334 Old Bridge Matawan Road, Old Bridge, New Jersey.

4.3.3.5 *Miscellaneous Waste/Construction and Demolition Debris Removal*

Approximately 2,580 cu yd of non-impacted concrete, asphalt, and brick were disposed of offsite at Mount Materials, LLC in Fairless Hills, Pennsylvania (NYSDEC Part 360-Registered Facility).

4.3.3.6 *On-Site Reuse*

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

4.3.4 **NYSDEC Spill No. 2207392**

On 02 December 2022, a hydraulic line broke on the ABI Mobilram Rig and released approximately 25 gallons of Chevron Clarity AW-46 hydraulic oil in the northern portion of the Site approximately 3 ft bgs. A spill was called in on 02 December 2022 and assigned Spill No. 2207392. On 02 December 2022, approximately 5 cu yd of impacted soil was segregated and placed on plastic sheeting. Impacted material was disposed of from the Site on 18 January 2023 to Bayshore Soil Management of Keasby, New Jersey. The impacted material was excavated to 3.5 ft bgs and one base sample (SS-02) was collected and analyzed for VOCs and SVOCs by Alpha Analytical, a NYSDOH ELAP-certified laboratory (ELAP ID 11148). VOCs and SVOCs were not detected above the UUSCOs in the base sample. Sample locations and results are provided in Appendix I.

Based on results from the base sample and excavation and removal of impacted material to Bayshore Soil Management of Keasby, New Jersey, this spill case has been addressed and should be closed.

4.4 REMEDIAL PERFORMANCE/CONFIRMATION SAMPLING

4.4.1 Remedial Performance

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 50,625 sq ft, therefore a total of 58 soil bottom endpoint samples are required (EP-1 through EP-58). 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). QA/QC samples (i.e., duplicates, field blanks, and trip blanks) were collected as part of end-point sampling activities. Figure 9 shows the locations of the endpoint soil samples.

Confirmation endpoint samples were collected for NYSDEC Part 375 VOCs, SVOCs, pesticides, metals, PFAS, and 1,4-dioxane. Samples were collected between October 2022 and April 2023 and transported via laboratory-courier to Alpha Analytical, ELAP No. 11148, of Westborough, Massachusetts, and York Analytical, ELAP No. 10854 and 12058, of Stratford, Connecticut.

Analytical results for endpoint sample were compared to the UUSCOs or the proposed Unrestricted Use PFAS Guidance Values. In the event that the confirmation samples collected failed to meet UUSCOs/PFAS Guidance Values at the proposed remedial excavation depth of 2 ft bgs in the northeastern portion of the Site, 4 ft bgs in the southeastern portion of the Site, or 8 ft bgs in the western portion of the Site, the surrounding approximately 30-ft by 30-ft grid area represented by that sample was over excavated by at least 2 ft and resampled for the parameters that failed UUSCOs/PFAS Guidance Values. If the resampled results indicated the previously failed parameters met the UUSCOs/PFAS Guidance Values, no additional remedial excavation was required; if the resampled 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 at least 2 ft and resampled for the failed parameters. Over excavation to achieve Track 1 in soil was required at 37 of the 58 endpoint sample locations, which had concentrations of VOCs, SVOCs (specifically polycyclic aromatic hydrocarbons [PAHs]), pesticides, metals, and/or perfluorooctane sulfonate (PFOS) exceeding UUSCOs/PFAS Guidance Values. Details are provided below regarding the over-excavations:

- Endpoint sample EP-01 did not contain concentrations of any parameter exceeding UUSCOs at 8 to 8.5 ft bgs. However, due to PIM observed at 10 to 10.5 ft bgs, the grid was resampled for all parameters in accordance with the sampling procedures for PIM detailed in Section 4.4.2. Concentrations of mercury and zinc, parameters associated with historic fill and not PIM, exceeded their UUSCOs. The 30 ft by 30 ft grid represented by EP-01 was over-excavated 2 ft, resampled from 12 to 12.5 ft bgs, and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results for zinc were below UUSCOs for the sample collected from 12 to 12.5 ft bgs at EP-01. However, analytical results for mercury exceeded UUSCOs in the sample collected 12 to 12.5 ft bgs. The 30 ft by 30 ft grid represented by EP-01 was again over-excavated 2 ft, resampled from 14 to 14.5 ft bgs, and analyzed for the specific parameter that still exceeded UUSCOs. Analytical results for mercury exceeded UUSCOs for the sample collected from 14 to 14.5 ft bgs at EP-01. The 30 ft by 30 ft grid represented by EP-01 was again over-excavated 2 ft, resampled from 16 to 16.5 ft bgs, and analyzed for the specific parameter that still exceeded UUSCOs. Analytical results for mercury were below UUSCOs for the sample collected from 16 to 16.5 ft bgs at EP-01.

- Endpoint sample EP-02 contained concentrations of four metals exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-02 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 for three metals were below UUSCOs for the sample collected 10 to 10.5 ft bgs at EP-02. However, analytical results for one metal, specifically lead, exceeded UUSCOs in the sample collected 10 to 10.5 ft bgs. The 30 ft by 30 ft grid represented by EP-02 was again over-excavated 2 ft, resampled from 12 to 12.5 ft bgs, and analyzed for the specific parameter that still exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 12 to 12.5 ft bgs at EP-02.
- Endpoint sample EP-03 contained concentrations of one metal and one VOC exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-03 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-03.
- Endpoint sample EP-06 contained concentrations of two VOCs exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-06 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-06.
- Endpoint sample EP-08 contained a concentration of mercury, exceeding the UUSCO at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-08 was over-excavated 2 ft, resampled from 10 to 10.5 ft bgs, and analyzed for the specific parameter that previously exceeded the UUSCO. The analytical result was below the UUSCO for the sample collected from 10 to 10.5 ft bgs at EP-08.
- Endpoint sample EP-09 contained concentrations of one metal and one VOC exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-09 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-09.
- Endpoint sample EP-11 contained concentrations of six VOCs exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-11 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-11. However, due to samples approaching the end of their hold time, the sample collected from 12 to 12.5 ft bgs was analyzed as a contingent sample for the 10 to 10.5 ft bgs sample. The 12 to 12.5 ft bgs sample contained concentrations of two VOCs exceeding UUSCOs. The 30 ft by 30 ft grid represented by EP-11 was again over-excavated 2 ft, resampled from 14 to 14.5 ft bgs, and analyzed for the specific parameter that still exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 14 to 14.5 ft bgs at EP-11.
- Endpoint sample EP-12 contained concentrations of five metals exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-12 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 for three metals were below UUSCOs for the sample collected 10 to 10.5 ft bgs at EP-12. However, analytical results for two metals, specifically lead and mercury, exceeded UUSCOs in the sample collected 10 to 10.5 ft bgs. The 30 ft by 30 ft grid represented by EP-12 was again over-excavated 2 ft, resampled from 12 to 12.5 ft bgs, and analyzed for the specific

parameters that still exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 12 to 12.5 ft bgs at EP-12.

- Endpoint sample EP-13 contained concentrations of two metals exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 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 for one metal were below UUSCOs for the sample collected 10 to 10.5 ft bgs at EP-13. However, analytical results for one metal, specifically lead, exceeded UUSCOs in the sample collected 10 to 10.5 ft bgs. The 30 ft by 30 ft grid represented by EP-13 was again over-excavated 2 ft, resampled from 12 to 12.5 ft bgs, and analyzed for the specific parameter that still exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 12 to 12.5 ft bgs at EP-13.
- Endpoint sample EP-14 contained a concentration of one metal exceeding the UUSCO at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-14 was over-excavated 2 ft, resampled from 10 to 10.5 ft bgs, and analyzed for the specific parameter that previously exceeded the UUSCO. The analytical result was below the UUSCO for the sample collected from 10 to 10.5 ft bgs at EP-14.
- Endpoint sample EP-16 contained concentrations of one VOC exceeding UUSCOs at 8 to 8.5 ft bgs. Due to samples approaching the end of their hold time, the samples collected at 10 to 10.5 ft bgs and 12 to 12.5 ft bgs were analyzed as contingent samples for the 8 to 8.5 ft bgs sample. Analytical results for the 10 to 10.5 ft bgs sample were below UUSCOs at EP-16. However, analytical results for two VOCs, specifically acetone and naphthalene, exceeded the UUSCOs in the 12 to 12.5 ft bgs sample. The 30 ft by 30 ft grid represented by EP-16 was over-excavated 2 ft, resampled from 14 to 14.5 ft bgs, and analyzed for acetone which previously exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 14 to 14.5 ft bgs at EP-16. However, naphthalene was not analyzed due to a data management oversight. A sample collected for CP-51 VOCs and SVOCs to evaluate PIM was below the UUSCOs at 20 to 20.5 ft bgs at EP-16.
- Endpoint sample EP-18 contained concentrations of three metals and seven SVOCs exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-18 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-18.
- Endpoint sample EP-21 contained concentrations of four metals exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-21 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-21.
- Endpoint sample EP-23 contained concentrations of four metals exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-23 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 for three metals were below UUSCOs for the sample collected 10 to 10.5 ft bgs at EP-23. However, analytical results for one metal, specifically mercury, exceeded UUSCOs in the sample collected 10 to 10.5 ft bgs. The 30 ft by 30 ft grid represented by EP-23 was again over-excavated 2 ft, resampled from 12 to 12.5 ft bgs, and analyzed for the specific parameter that still exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 12 to 12.5 ft bgs at EP-23.

- Endpoint sample EP-26 contained concentrations of two metals exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-26 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 for one metal were below UUSCOs for the sample collected 10 to 10.5 ft bgs at EP-26. However, analytical results for one metal, specifically lead, exceeded UUSCOs in the sample collected 10 to 10.5 ft bgs. The 30 ft by 30 ft grid represented by EP-26 was again over-excavated 2 ft, resampled from 12 to 12.5 ft bgs, and analyzed for the specific parameter that still exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 12 to 12.5 ft bgs at EP-26.
- Endpoint sample EP-27 contained concentrations of one metal and one VOC exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-27 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 for one VOC were below UUSCOs for the sample collected 10 to 10.5 ft bgs at EP-27. However, analytical results for one metal, specifically lead, exceeded UUSCOs in the sample collected 10 to 10.5 ft bgs. The 30 ft by 30 ft grid represented by EP-27 was again over-excavated 2 ft, resampled from 12 to 12.5 ft bgs, and analyzed for the specific parameter that still exceeded UUSCOs. Analytical results for lead exceeded UUSCOs in the sample collected from 12 to 12.5 ft bgs. The 30 ft by 30 ft grid represented by EP-27 was again over-excavated 2 ft, resampled from 14 to 14.5 ft bgs, and analyzed for the specific parameter that still exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 14 to 14.5 ft bgs at EP-27.
- Endpoint sample EP-30 contained concentrations of one metal exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-30 was over-excavated 2 ft, resampled from 10 to 10.5 ft bgs, and analyzed for the specific parameter that previously exceeded UUSCOs. Analytical results exceeded UUSCOs for the sample collected 10 to 10.5 ft bgs at EP-30. The 30 ft by 30 ft grid represented by EP-30 was again over-excavated 2 ft, resampled from 12 to 12.5 ft bgs, and analyzed for the specific parameter that still exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 12 to 12.5 ft bgs at EP-30.
- Endpoint sample EP-31 contained concentrations of three metals exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-31 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 for one metal were below UUSCOs for the sample collected 10 to 10.5 ft bgs at EP-31. However, analytical results for two metals, specifically lead and zinc, exceeded UUSCOs in the sample collected 10 to 10.5 ft bgs. The 30 ft by 30 ft grid represented by EP-31 was again over-excavated 2 ft, resampled from 12 to 12.5 ft bgs, and analyzed for the specific parameters that still exceeded UUSCOs. Analytical results for one metal were below UUSCOs for the sample collected 12 to 12.5 ft bgs at EP-31. However, analytical results for one metal, specifically lead, exceeded UUSCOs in the sample collected at 12 to 12.5 ft bgs. The 30 ft by 30 ft grid represented by EP-31 was again over-excavated 2 ft, resampled from 14 to 14.5 ft bgs, and analyzed for the specific parameter that still exceeded UUSCOs. Analytical results exceeded UUSCOs in the sample collected at 14 to 14.5 ft bgs. The 30 ft by 30 ft grid represented by EP-31 was again over-excavated 2 ft, resampled from 16 to 16.5 ft bgs, and analyzed for the specific parameter that still exceeded UUSCOs. Analytical results exceeded UUSCOs in the sample collected at 16 to 16.5 ft bgs. The 30 ft by 30 ft grid represented by EP-31 was again over-excavated 2 ft, resampled from 18 to 18.5 ft bgs, and analyzed for the specific parameter that still exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 18 to 18.5 ft bgs at EP-31.

- Endpoint sample EP-32 contained concentrations of one metal exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-32 was over-excavated 2 ft, resampled from 10 to 10.5 ft bgs, and analyzed for the specific parameter that previously exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 10 to 10.5 ft bgs at EP-32.
- Endpoint sample EP-33 contained concentrations of one VOC, four metals, and seven SVOCs exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-33 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-33.
- Endpoint sample EP-34 contained concentrations of four metals exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-34 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-34.
- Endpoint sample EP-36 contained concentrations of one pesticide and three metals exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-36 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-36.
- Endpoint sample EP-37 contained concentrations of three metals exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-37 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-37.
- Endpoint sample EP-39 contained concentrations of two pesticides and three metals exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-39 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-39.
- Endpoint sample EP-40 contained concentrations of one pesticide and three metals exceeding UUSCOs at 8 to 8.5 ft bgs. The 30 ft by 30 ft grid represented by EP-40 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-40.
- Endpoint sample EP-42 contained concentrations of PFOS, four metals, four pesticides, and seven SVOCs exceeding UUSCOs/PFAS Guidance Values at 2 to 2.5 ft bgs. The 30 ft by 30 ft grid represented by EP-42 was over-excavated 2 ft, resampled from 4 to 4.5 ft bgs, and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 4 to 4.5 ft bgs at EP-42.
- Endpoint sample EP-43 contained concentrations of PFOS, four pesticides, five metals, and seven SVOCs exceeding UUSCOs/PFAS Guidance Values at 2 to 2.5 ft bgs. The 30 ft by 30 ft grid represented by EP-43 was over-excavated 2 ft, resampled from 4 to 4.5 ft bgs and analyzed for the specific parameters that previously exceeded UUSCOs/PFAS Guidance Values. Analytical results exceeded PFAS Guidance Values in the sample collected at 4 to 4.5 ft bgs. The 30 ft by 30 ft grid represented by EP-43 was again over-excavated 2 ft, resampled from 6 to 6.5 ft bgs, and analyzed for the specific parameters that previously exceeded PFAS Guidance Values. Analytical results were below PFAS Guidance Values for the sample collected from 6 to 6.5 ft bgs at EP-43.

- Endpoint sample EP-44 contained concentrations of PFOS, four pesticides, and five metals exceeding UUSCOs/PFAS Guidance Values at 2 to 2.5 ft bgs. The 30 ft by 30 ft grid represented by EP-44 was over-excavated 2 ft, resampled from 4 to 4.5 ft bgs, and analyzed for the specific parameters that previously exceeded UUSCOs/PFAS Guidance Values. Analytical results exceeded UUSCOs in the sample collected at 4 to 4.5 ft bgs. The 30 ft by 30 ft grid represented by EP-44 was again over-excavated 2 ft, resampled from 6 to 6.5 ft bgs, and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results exceeded UUSCOs in the sample collected at 6 to 6.5 ft bgs. The 30 ft by 30 ft grid represented by EP-44 was again over-excavated 2 ft, resampled from 8 to 8.5 ft bgs, and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 8 to 8.5 ft bgs at EP-44.
- Endpoint sample EP-45 contained concentrations of PFOS, four pesticides, five SVOCs, and six metals exceeding UUSCOs/PFAS Guidance Values at 2 to 2.5 ft bgs. The 30 ft by 30 ft grid represented by EP-45 was over-excavated 2 ft, resampled from 4 to 4.5 ft bgs, and analyzed for the specific parameters that previously exceeded UUSCOs/PFAS Guidance Values. Analytical results were below UUSCOs/PFAS Guidance Values for the sample collected from 4 to 4.5 ft bgs at EP-45.
- Endpoint sample EP-46 contained concentrations of PFOS, four pesticides, four metals, and five SVOCs exceeding UUSCOs/PFAS Guidance Values at 2 to 2.5 ft bgs. The 30 ft by 30 ft grid represented by EP-46 was over-excavated 2 ft, resampled from 4 to 4.5 ft bgs. Due to PIM observations, the 4 to 4.5 ft bgs sample was analyzed for all parameters in accordance with the sampling procedures for PIM detailed in Section 4.4.2. Analytical results exceeded UUSCOs in the sample collected at 4 to 4.5 ft bgs. The 30 ft by 30 ft grid represented by EP-46 was again over-excavated 2 ft, resampled from 6 to 6.5 ft bgs and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 6 to 6.5 ft bgs at EP-46.
- Endpoint sample EP-49 contained concentrations of two pesticides exceeding UUSCOs at 4 to 4.5 ft bgs. The 30 ft by 30 ft grid represented by EP-49 was over-excavated 2 ft, resampled from 6 to 6.5 ft bgs, and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 6 to 6.5 ft bgs at EP-49.
- Endpoint sample EP-50 contained concentrations of two pesticides exceeding UUSCOs at 4 to 4.5 ft bgs. The 30 ft by 30 ft grid represented by EP-50 was over-excavated 2 ft, resampled from 6 to 6.5 ft bgs, and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 6 to 6.5 ft bgs at EP-50.
- Endpoint sample EP-54 contained concentrations of PFOS exceeding PFAS Guidance Values at 4 to 4.5 ft bgs. The 30 ft by 30 ft grid represented by EP-54 was over-excavated 2 ft, resampled from 6 to 6.5 ft bgs, and analyzed for the specific parameters that previously exceeded PFAS Guidance Values. Analytical results were below PFAS Guidance Values for the sample collected from 6 to 6.5 ft bgs at EP-54.
- Endpoint sample EP-55 contained concentrations of two metals and seven SVOCs exceeding UUSCOs at 4 to 4.5 ft bgs. The 30 ft by 30 ft grid represented by EP-55 was over-excavated 2 ft, resampled from 6 to 6.5 ft bgs, and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 6 to 6.5 ft bgs at EP-55.

- Endpoint sample EP-56 contained concentrations of two metals exceeding UUSCOs at 4 to 4.5 ft bgs. The 30 ft by 30 ft grid represented by EP-56 was over-excavated 2 ft, resampled from 6 to 6.5 ft bgs, and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 6 to 6.5 ft bgs at EP-56.
- Endpoint sample EP-57 contained concentrations of two metals exceeding UUSCOs at 4 to 4.5 ft bgs. The 30 ft by 30 ft grid represented by EP-57 was over-excavated 2 ft, resampled from 6 to 6.5 ft bgs, and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results exceeded UUSCOs for the sample collected from 6 to 6.5 ft bgs at EP-56. The 30 ft by 30 ft grid represented by EP-57 was over-excavated 3 ft, resampled from 9 to 9.5 ft bgs and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 9 to 9.5 ft bgs at EP-57.
- Endpoint sample EP-58 contained concentrations of three metals and seven SVOCs exceeding UUSCOs at 4 to 4.5 ft bgs. The 30 ft by 30 ft grid represented by EP-58 was over-excavated 5 ft, resampled from 9 to 9.5 ft bgs, and analyzed for all parameters. Analytical results exceeded UUSCOs for the sample collected from 9 to 9.5 ft bgs at EP-58. The 30 ft by 30 ft grid represented by EP-58 was over-excavated 4.5 ft, resampled from 13.5 to 14 ft bgs and analyzed for the specific parameters that previously exceeded UUSCOs. Analytical results were below UUSCOs for the sample collected from 13.5 to 14 ft bgs at EP-58.

The concentrations of all the contaminants listed in this section meet the New York Part 375 Unrestricted Use Soil Cleanup Objectives. A table and figure summarizing all end-point sampling is included in Table VII and Figure 9, respectively.

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 electronically in Appendix J. Validated electronic data deliverables were submitted to the NYSDEC EQUIS database on 01 September 2023, correspondence is included in Appendix K.

4.4.2 Petroleum-Impacted Material Confirmation Sampling

In addition to post-excavation confirmation endpoint soil samples, Haley & Aldrich collected soil samples to characterize PIM encountered throughout the Site. In an email correspondence with NYSDEC Case Managers Michael Sollecito and Sarah Quandt dated 13 February 2023, Haley & Aldrich outlined the sampling procedures if PIM was encountered. When PIM was encountered in an endpoint grid, the entire grid was considered impacted, and the endpoint location was used to collect a PIM sample. If PIM was observed at or above the remedial depth, the post-excavation confirmation endpoint sample was also used as the top of the PIM. If PIM was observed below the proposed remedial depth, an additional sample for the full suite of compounds (Part 375 list of VOCs, SVOCs, pesticides, metals, PFAS, and 1,4-dioxane) was collected at the top of the material. If results from the PIM sample exceeded Track 1 UUSCOs/Unrestricted PFAS Guidance Values, the impacted grid was over-excavated at least 2 ft and a sample was collected and analyzed for the parameters that exceeded UUSCOs/Unrestricted PFAS Guidance Values. Once no exceedances were detected, a confirmation sample, analyzed for CP-51 VOCs and SVOCs, was collected below the observed PIM at each impacted endpoint sample location.

Based on field observations, a total of 40 PIM samples were collected throughout the Site (EP-01 through EP-03, EP-06 through EP-08, EP-11 through EP-13, EP-16 through EP-18, EP-21 through EP-24, EP-26 through EP-40, EP-44 through EP-51, and EP-58). QA/QC samples (i.e., duplicates, field blanks, and

trip blanks) were collected as part of PIM sampling activities. Figure 6 and 11 shows the lateral extent of PIM impacts and locations and results of the PIM soil samples, respectively.

PIM soil samples were collected for NYSDEC Part 375 VOCs, SVOCs, pesticides, metals, PFAS, and 1,4-dioxane, and CP-51 VOCs and SVOCs. Samples were collected between October 2022 and April 2023 and transported via laboratory-courier to Alpha Analytical, ELAP No. 11148, of Westborough, Massachusetts, and York Analytical, ELAP No. 10854 and 12058, of Stratford, Connecticut.

Over excavation to remove PIM was required at 40 of the 58 endpoint sample locations. Details are provided below regarding the over-excavations:

- Endpoint sample EP-01 was sampled for all parameters at 10 to 10.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-01 was over-excavated 12 ft, and a confirmation sample was collected from 22 to 22.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 22 to 22.5 ft bgs at EP-01.
- Endpoint sample EP-02 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-02 was over-excavated 9 ft, and a confirmation sample was collected from 17 to 17.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 17 to 17.5 ft bgs at EP-02.
- Endpoint sample EP-03 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-03 was over-excavated 10 ft, and a confirmation sample was collected from 18 to 18.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 18 to 18.5 ft bgs at EP-03.
- Endpoint sample EP-06 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-06 was over-excavated 16 ft. No visible PIM was observed at 24 ft bgs. However, based on the proposed development depth, a confirmation sample was collected from 25 to 25.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 25 to 25.5 ft bgs at EP-06.
- Endpoint sample EP-07 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-07 was over-excavated 11.5 ft, and a confirmation sample was collected from 19.5 to 20 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 19.5 to 20 ft bgs at EP-07.
- Endpoint sample EP-08 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-08 was over-excavated 13 ft, and a confirmation sample was collected from 21 to 21.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 21 to 21.5 ft bgs at EP-08.
- Endpoint sample EP-11 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-11 was over-excavated 12 ft, and a confirmation sample was collected from 20 to 20.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 20 to 20.5 ft bgs at EP-11.
- Endpoint sample EP-12 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-12 was over-excavated 15 ft, and a confirmation sample was collected from 23 to 23.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 23 to 23.5 ft bgs at EP-12.

- Endpoint sample EP-13 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-13 was over-excavated 13 ft, and a confirmation sample was collected from 21 to 21.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 21 to 21.5 ft bgs at EP-13.
- Endpoint sample EP-16 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-16 was over-excavated 12 ft, and a confirmation sample was collected from 20 to 20.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 20 to 20.5 ft bgs at EP-16.
- Endpoint sample EP-17 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-17 was over-excavated 13 ft, and a confirmation sample was collected from 21 to 21.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 21 to 21.5 ft bgs at EP-17.
- Endpoint sample EP-18 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-18 was over-excavated 13 ft, and a confirmation sample was collected from 21 to 21.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 21 to 21.5 ft bgs at EP-18.
- Endpoint sample EP-21 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-21 was over-excavated 12 ft, and a confirmation sample was collected from 20 to 20.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 20 to 20.5 ft bgs at EP-21.
- Endpoint sample EP-22 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-22 was over-excavated 8 ft, and a confirmation sample was collected from 16 to 16.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 16 to 16.5 ft bgs at EP-22.
- Endpoint sample EP-23 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-23 was over-excavated 17 ft, and a confirmation sample was collected from 25 to 25.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 25 to 25.5 ft bgs at EP-23.
- Endpoint sample EP-24 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-24 was over-excavated 6 ft, and a confirmation sample was collected from 14 to 14.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 14 to 14.5 ft bgs at EP-24.
- Endpoint sample EP-26 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-26 was over-excavated 12 ft, and a confirmation sample was collected from 20 to 20.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 20 to 20.5 ft bgs at EP-26.
- Endpoint sample EP-27 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-27 was over-excavated 17 ft, and a confirmation sample was collected from 25 to 25.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 25 to 25.5 ft bgs at EP-27.
- Endpoint sample EP-28 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-28 was over-excavated 12 ft, and a confirmation sample was collected from 20 to 20.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 20 to 20.5 ft bgs at EP-28.

- Endpoint sample EP-29 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-29 was over-excavated 10 ft, and a confirmation sample was collected from 18 to 18.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 18 to 18.5 ft bgs at EP-29. Due to a data management oversight, a confirmation sample was also collected from 20 to 20.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 20 to 20.5 ft bgs at EP-29.
- Endpoint sample EP-30 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-30 was over-excavated 10 ft, and a confirmation sample was collected from 18 to 18.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 18 to 18.5 ft bgs at EP-30.
- Endpoint sample EP-31 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-31 was over-excavated 12 ft, and a confirmation sample was collected from 20 to 20.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 20 to 20.5 ft bgs at EP-31.
- Endpoint sample EP-32 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-32 was over-excavated 13 ft, and a confirmation sample was collected from 21 to 21.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 21 to 21.5 ft bgs at EP-32.
- Endpoint sample EP-33 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-33 was over-excavated 10 ft, and a confirmation sample was collected from 18 to 18.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 18 to 18.5 ft bgs at EP-33.
- Endpoint sample EP-34 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-34 was over-excavated 10 ft, and a confirmation sample was collected from 18 to 18.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 18 to 18.5 ft bgs at EP-34.
- Endpoint sample EP-35 was sampled for all parameters at 14 to 14.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-35 was over-excavated 10 ft, and a confirmation sample was collected from 24 to 24.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 24 to 24.5 ft bgs at EP-35.
- Endpoint sample EP-36 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-36 was over-excavated 16 ft, and a confirmation sample was collected from 24 to 24.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 24 to 24.5 ft bgs at EP-36.
- Endpoint sample EP-37 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-37 was over-excavated 16 ft, and a confirmation sample was collected from 24 to 24.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 24 to 24.5 ft bgs at EP-37.
- Endpoint sample EP-38 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-38 was over-excavated 16 ft. No visible PIM was observed at 24 ft bgs. However, based on the proposed development depth, a confirmation sample was collected from 25 to 25.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 25 to 25.5 ft bgs at EP-38.

- Endpoint sample EP-39 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-39 was over-excavated 7 ft, and a confirmation sample was collected from 15 to 15.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 15 to 15.5 ft bgs at EP-39.
- Endpoint sample EP-40 was sampled for all parameters at 8 to 8.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-40 was over-excavated 7 ft, and a confirmation sample was collected from 15 to 15.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 15 to 15.5 ft bgs at EP-40.
- Endpoint sample EP-44 was sampled for all parameters at 4 to 4.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-44 was over-excavated 8 ft, and a confirmation sample was collected from 12 to 12.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 12 to 12.5 ft bgs at EP-44.
- Endpoint sample EP-45 was sampled for all parameters at 4 to 4.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-45 was over-excavated 8 ft, and a confirmation sample was collected from 12 to 12.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 12 to 12.5 ft bgs at EP-45.
- Endpoint sample EP-46 was sampled for all parameters at 4 to 4.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-46 was over-excavated 2 ft, and a confirmation sample was collected from 6 to 6.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 6 to 6.5 ft bgs at EP-46.
- Endpoint sample EP-47 was sampled for all parameters at 4 to 4.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-47 was over-excavated 10 ft, and a confirmation sample was collected from 14 to 14.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 14 to 14.5 ft bgs at EP-47.
- Endpoint sample EP-48 was sampled for all parameters at 4 to 4.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-48 was over-excavated 6 ft, and a confirmation sample was collected from 10 to 10.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 10 to 10.5 ft bgs at EP-48.
- Endpoint sample EP-49 was sampled for all parameters at 4 to 4.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-49 was over-excavated 4 ft, and a confirmation sample was collected from 8 to 8.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 8 to 8.5 ft bgs at EP-49.
- Endpoint sample EP-50 was sampled for all parameters at 4 to 4.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-50 was over-excavated 8 ft, and a confirmation sample was collected from 12 to 12.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 12 to 12.5 ft bgs at EP-50.
- Endpoint sample EP-51 was sampled for all parameters at 4.5 to 5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-51 was over-excavated 2 ft, and a confirmation sample was collected from 6.5 to 7 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 6.5 to 7 ft bgs at EP-51.
- Endpoint sample EP-58 was sampled for all parameters at 4 to 4.5 ft bgs for observed PIM. The 30 ft by 30 ft grid represented by EP-58 was over-excavated 20 ft. No visible PIM was observed at 24 ft bgs. However, based on the proposed development depth, a confirmation sample was

collected from 25 to 25.5 ft bgs and analyzed for CP-51 VOCs and SVOCs. Analytical results were below UUSCOs for the sample collected from 25 to 25.5 ft bgs at EP-58.

A table and figure summarizing all end-point sampling is included in Table VIII and Figure 9, respectively, and all exceedances of SCOs are highlighted.

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 electronically in Appendix J. Validated electronic data deliverables were submitted to the NYSDEC EQuIS database on 01 September 2023, correspondence is included in Appendix K.

4.5 IMPORTED BACKFILL

A total of 672.02 tons of clean stone was imported to the Site for use as the construction ramp, construction entrances, and foundation subbase. Imported backfill included 3/4-inch clean stone (422.62 tons) and 2-1/2-inch clean stone (249.4 tons) 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 X. A figure showing the Site locations where backfill was used at the Site is shown in Figure 12. Documentation of imported materials and NYSDEC's approval of this material for use as backfill at the Site is provided in Appendix L.

At the completion of the project, the imported 2-1/2-inch clean stone used for the construction ramp and construction entrances were disposed off-Site as non-hazardous material. The imported 3/4-inch clean stone used for the foundation subbase remains at the Site.

4.6 CONTAMINATION REMAINING AT THE SITE

No contaminated soil remains beneath the Site after the completion of the Remedial Action. Upon completion of the remedy, all remaining soil meets UUSCOs/PFAS Guidance Values.

Figure 9, 10, and 11 summarizes the results of all soil samples remaining at the Site after completion of the remedial action that meet the SCOs for unrestricted use of the Site.

4.7 SOIL COVER SYSTEM

Upon completion of the remedy, all remaining soil meets UUSCOs/PFAS Guidance Values; therefore, no soil cover system is required.

4.8 OTHER ENGINEERING CONTROLS

The remedy for the Site did not require the construction of any other engineering control systems. The remedy required a soil vapor intrusion evaluation, which is discussed below.

4.8.1 Soil Vapor Intrusion Evaluation

A soil vapor evaluation is 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 end point sampling and subsequent removal of all soil to depths between 24 and 29 ft bgs. No monitoring wells were installed post-remediation since none of the pre-remediation sampling indicated VOCs were above applicable standards. Though not part of the remedial action, the Site was dewatered during construction to allow for the excavation down to a depth of 29 ft bgs. The watertight sheet piles installed as the SOE system during construction will remain in place and limit the horizontal migration of groundwater under the building. These three components – no VOCs in soil, no VOCs in groundwater, and the presence of sheet piles which will limit offsite groundwater intrusion – indicate that soil vapor intrusion is not an issue at the Site. No further action, which includes the sampling of indoor air during the heating season, is required regarding soil vapor.

An SVI evaluation letter was submitted to NYSDEC on 8 November 2023 and is provided as Appendix O.

4.9 INSTITUTIONAL CONTROLS

The remedy for the Site did not require institutional controls as UUSCOs/PFAS Guidance Values were achieved.

4.10 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN

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

1. The initial volume of soil to be removed as part of the RAWP was estimated at 12,000 cu yd. The final volume of soil removed was estimated at 44,700 cu yd. The additional excavation was due to endpoint samples not meeting UUSCOs/PFAS Guidance Values and observed PIM as listed below:
 - a. Excavation to a depth of 4 ft bgs in the grid represented by endpoint sample EP-42.
 - b. Excavation to a depth of 6 ft bgs in the grids represented by endpoint samples EP-43, EP-46, and EP-54 through EP-56.
 - c. Excavation to a depth of 6.5 ft bgs in the grid represented by endpoint sample EP-51.
 - d. Excavation to a depth of 8 ft bgs in the grid represented by endpoint sample EP-49.
 - e. Excavation to a depth of 9 ft bgs in the grid represented by endpoint sample EP-57.
 - f. Excavation to a depth of 10 ft bgs in the grids represented by endpoint samples EP-09, EP-14, and EP-48.
 - g. Excavation to a depth of 12 ft bgs in the grids represented by endpoint samples EP-44, EP-45, and EP-50.
 - h. Excavation to a depth of 14 ft bgs in the grids represented by endpoint samples EP-24 and EP-47.

- i. Excavation to a depth of 15 ft bgs in the grids represented by endpoint samples EP-39 and EP-40.
 - j. Excavation to a depth of 16 ft bgs in the grid represented by endpoint sample EP-22.
 - k. Excavation to a depth of 17 ft bgs in the grid represented by endpoint sample EP-02.
 - l. Excavation to a depth of 18 ft bgs in the grids represented by endpoint samples EP-03, EP-29, EP-30, EP-33, and EP-34.
 - m. Excavation to a depth of 19.5 ft bgs in the grid represented by endpoint sample EP-07.
 - n. Excavation to a depth of 20 ft bgs in the grids represented by endpoint samples EP-11, EP-16, EP-21, EP-26, EP-28, and EP-31.
 - o. Excavation to a depth of 21 ft bgs in the grids represented by endpoint samples EP-08, EP-13, EP-17, EP-18, and EP-32.
 - p. Excavation to a depth of 22 ft bgs in the grid represented by endpoint sample EP-01.
 - q. Excavation to a depth of 23 ft bgs in the grid represented by endpoint sample EP-12.
 - r. Excavation to a depth of 24 ft bgs in the grids represented by endpoint samples EP-06, EP-35 through EP-38, and EP-58.
 - s. Excavation to a depth of 25 ft bgs in the grids represented by endpoint samples EP-23 and EP-27.
2. One 1,000-gallon and one 3,000-gallon UST was encountered during the excavation work. These USTs were cleaned, decontaminated, and recycled offsite.
 3. No imported fill was anticipated as part of the RAWP, however, a total of 672.02 tons of clean stone (i.e., 3/4-inch clean stone and 2-1/2-inch clean stone) was brought on-Site to be used for construction ramp, construction entrances, and the foundation subbase. The 2-1/2-inch clean stone for the construction ramp and construction entrances was removed and disposed of as nonhazardous soils. The 3/4-inch clean stone used for the foundation subbase remains on-Site.
 4. The proposed development depth was to 25 ft bgs throughout the Site for a total excavation volume of 47,000 cu yd. Due to changes in the development plans, the development depth was 24 ft bgs in the northern and southern portions of the Site, 25 ft bgs in the central portion of the Site, and 29 ft bgs in the eastern portion of the Site. This increased the total excavation volume to 57,400 cu yd.
 5. As part of the SVI evaluation, the RAWP required collecting an indoor air sample during the heating season prior to occupancy. However, due to achieving Track 1 objectives in soil, no contamination present in groundwater during the remedial investigation, and SOE components limiting the migration of offsite groundwater, no further action, which includes the sampling of indoor air during the heating season, was required regarding the SVI evaluation.

References

1. Brownfield Cleanup Agreement. 138 Bruckner Boulevard Site, 138 Bruckner Boulevard, Bronx, New York. Prepared by New York State Department of Conservation, prepared for Anjost Corp. and 138 Bruckner Boulevard Associates LLC. February 2020.
2. Brownfield Cleanup Agreement Amendment. 138 Bruckner Boulevard Site, 138 Bruckner Boulevard, Bronx, New York. Prepared by New York State Department of Conservation, prepared for 138 Bruckner Realty LLC. January 2022.
3. Brownfield Cleanup Agreement Amendment 2. 138 Bruckner Boulevard Site, 138 Bruckner Boulevard, Bronx, New York. Prepared by New York State Department of Conservation, prepared for 138 Bruckner Realty LLC. August 2023.
4. Citizen Partnership Plan. 138 Bruckner Boulevard Site, 138 Bruckner Boulevard, Bronx, New York. Prepared by New York State Department of Conservation, 138 Bruckner Realty LLC, May 2020.
5. Decision Document. 138 Bruckner Boulevard Site, 138 Bruckner Boulevard, Bronx, New York. Prepared by New York State Department of Conservation, prepared for 138 Bruckner Realty LLC. August 2022.
6. Limited Soil Investigation. 138 Bruckner Boulevard Site, 138 Bruckner Boulevard, Bronx, New York. Prepared by AKRF Inc., prepared for 138 Bruckner Owner LLC. August 2019.
7. Phase I Environmental Site Assessment. 138 Bruckner Boulevard Site, 138 Bruckner Boulevard, Bronx, New York. Prepared by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, prepared for 138 Bruckner Owner LLC. June 2019.
8. Phase I Environmental Site Assessment. 138 Bruckner Boulevard Site, 138 Bruckner Boulevard, Bronx, New York. Prepared by Haley & Aldrich of New York, prepared for 138 Bruckner Realty LLC. October 2021.
9. Program Policy DER-10, "Technical Guidance for Site Investigation and Remediation," New York State Department of Environmental Conservation, May 2010.
10. Remedial Action Work Plan. 138 Bruckner Boulevard Site, 138 Bruckner Boulevard, Bronx, New York. Prepared by Haley & Aldrich of New York, prepared for 138 Bruckner Realty LLC, August 2022.
11. Remedial Investigation Report. 138 Bruckner Boulevard Site, 138 Bruckner Boulevard, Bronx, New York. Prepared by AKRF Inc., prepared for 138 Bruckner Realty LLC. June 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

138 BRUCKNER BOULEVARD SITE

138 BRUCKNER BOULEVARD, BRONX, NEW YORK

PAGE 1 OF 1

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

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 CHARACTERIZATION SAMPLES BY AREA AND/OR MATERIAL TYPE

138 BRUCKNER BOULEVARD SITE

138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Sample Location	Sample ID	Sample Type	Sample Depth (feet bgs)	Sample Date	Analytical Parameters
SOIL SAMPLES					
A-1	A-1 (0-5')	Composite	0-5'	3/1/2022	SVOCs, Total Metals, PCBs, Herbicides, Pesticides, General Chemistry, Total EPH, TCLP Metals, RCRA Characteristics
	A-1 (5-10')	Composite	5-10'	3/1/2022	
	A-1 (10-15')	Composite	10-15'	3/1/2022	
	A-1 (15-20')	Composite	15-20'	3/1/2022	
	A-1 (20-25')	Composite	20-25'	3/1/2022	
A-2	A-2 (0-5)	Composite	0-5'	3/2/2022	
	A-2 (5-10)	Composite	5-10'	3/2/2022	
	A-2 (10-15)	Composite	10-15'	3/2/2022	
	A-2 (15-20)	Composite	15-20'	3/2/2022	
	A-2 (20-25)	Composite	20-25'	3/2/2022	
A-3	A-3 (0-5)	Composite	0-5'	3/1/2022	
	A-3 (5-10)	Composite	5-10'	3/1/2022	
	A-3 (10-15)	Composite	10-15'	3/1/2022	
	A-3 (15-20)	Composite	15-20'	3/1/2022	
	A-3 (20-25)	Composite	20-25'	3/1/2022	
A-4	A-4 (0-5')	Composite	0-5'	3/2/2022	
	A-4 (5-10')	Composite	5-10'	3/2/2022	
	A-4 (10-15')	Composite	10-15'	3/2/2022	
	A-4 (15-20')	Composite	15-20'	3/2/2022	
	A-4 (20-25')	Composite	20-25'	3/2/2022	
A-5	A-5 (0-5)	Composite	0-5'	3/2/2022	
	A-5 (5-10)	Composite	5-10'	3/2/2022	
	A-5 (10-15)	Composite	10-15'	3/2/2022	
	A-5 (15-20)	Composite	15-20'	3/2/2022	
	A-5 (20-25)	Composite	20-25'	3/2/2022	
A-6	A-6 (0-5)	Composite	0-5'	3/3/2022	
	A-6 (5-10)	Composite	5-10'	3/3/2022	
	A-6 (10-15)	Composite	10-15'	3/3/2022	
	A-6 (15-20)	Composite	15-20'	3/3/2022	
	A-6 (20-25)	Composite	20-25'	3/3/2022	
A-7	A-7 (0-5')	Composite	0-5'	3/2/2022	
	A-7 (5-10')	Composite	5-10'	3/2/2022	
	A-7 (10-15')	Composite	10-15'	3/2/2022	
	A-7 (15-20')	Composite	15-20'	3/2/2022	
	A-7 (20-25')	Composite	20-25'	3/2/2022	
A-8	A-8 (0-5')	Composite	0-5'	3/3/2022	
	A-8 (5-10')	Composite	5-10'	3/3/2022	
	A-8 (10-15')	Composite	10-15'	3/3/2022	
	A-8 (15-20')	Composite	15-20'	3/3/2022	
	A-8 (20-25')	Composite	20-25'	3/3/2022	
B-1	B-1 (0-5')	Composite	0-5'	2/28/2022	
	B-1 (5-10')	Composite	5-10'	2/28/2022	
	B-1 (10-15')	Composite	10-15'	2/28/2022	
	B-1 (15-20')	Composite	15-20'	2/28/2022	
	B-1 (20-25')	Composite	20-25'	2/28/2022	
B-2	B-2 (0-5')	Composite	0-5'	3/3/2022	
	B-2 (5-10')	Composite	5-10'	3/3/2022	
	B-2 (10-15')	Composite	10-15'	3/3/2022	
	B-2 (15-20')	Composite	15-20'	3/3/2022	
	B-2 (20-25')	Composite	20-25'	3/3/2022	
B-3	B-3 (0-5')	Composite	0-5'	3/4/2022	
	B-3 (5-10')	Composite	5-10'	3/4/2022	
	B-3 (10-15')	Composite	10-15'	3/4/2022	
	B-3 (15-20')	Composite	15-20'	3/4/2022	
	B-3 (20-25')	Composite	20-25'	3/4/2022	
B-4	B-4 (0-5')	Composite	0-5'	3/4/2022	
	B-4 (5-10')	Composite	5-10'	3/4/2022	
	B-4 (10-15')	Composite	10-15'	3/4/2022	
	B-4 (15-20')	Composite	15-20'	3/4/2022	
	B-4 (20-25')	Composite	20-25'	3/4/2022	
B-5	B-5 (25-29')	Composite	25-29'	5/2/2023	
A-6	PF_20220303	Composite	0-5'	3/3/2022	Paint Filter
A-1	A-1_B1 (3-4')	Grab	3-4'	3/1/2022	
	A-1_B2 (5-6')	Grab	5-6'	3/1/2022	
	A-1_B5 (12-13')	Grab	12-13'	3/1/2022	
	A-1_B3 (17-18')	Grab	17-18'	3/1/2022	
	A-1_B4 (20-21')	Grab	20-21'	3/1/2022	

TABLE II

WASTE CHARACTERIZATION SAMPLES BY AREA AND/OR MATERIAL TYPE

138 BRUCKNER BOULEVARD SITE

138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Sample Location	Sample ID	Sample Type	Sample Depth (feet bgs)	Sample Date	Analytical Parameters
SOIL SAMPLES					
A-2	A-2_B2 (3-4')	Grab	3-4'	3/2/2022	VOCs
	A-2_B4 (8-9')	Grab	8-9'	3/2/2022	
	A-2_B1 (13-14')	Grab	13-14'	3/2/2022	
	A-2_B5 (17-18')	Grab	17-18'	3/2/2022	
	A-2_B3 (24-25')	Grab	24-25'	3/2/2022	
A-3	A-3_B5 (2-3')	Grab	2-3'	3/1/2022	
	A-3_B4 (8-9')	Grab	8-9'	3/1/2022	
	A-3_B1 (14-15')	Grab	14-15'	3/1/2022	
	A-3_B2 (19-20')	Grab	19-20'	3/1/2022	
	A-3_B3 (22-23')	Grab	22-23'	3/1/2022	
A-4	A-4_B4 (1-2')	Grab	1-2'	3/2/2022	
	A-4_B5 (8-9')	Grab	8-9'	3/2/2022	
	A-4_B3 (13-14')	Grab	13-14'	3/2/2022	
	A-4_B2 (18-19')	Grab	18-19'	3/2/2022	
	A-4_B1 (22-23')	Grab	22-23'	3/2/2022	
A-5	A-5_B4 (3-4')	Grab	3-4'	3/2/2022	
	A-5_B2 (9-10')	Grab	9-10'	3/2/2022	
	A-5_B1 (14-15')	Grab	14-15'	3/2/2022	
	A-5_B3 (19-20')	Grab	19-20'	3/2/2022	
	A-5_B5 (24-25')	Grab	24-25'	3/2/2022	
A-6	A-6_B2 (2-3')	Grab	2-3'	3/3/2022	
	A-6_B1 (6-7')	Grab	6-7'	3/3/2022	
	A-6_B3 (14-15')	Grab	14-15'	3/3/2022	
	A-6_B4 (17-18')	Grab	17-18'	3/3/2022	
	A-6_B5 (23-24')	Grab	23-24'	3/3/2022	
A-7	A-7_B4 (1-2')	Grab	1-2'	3/2/2022	
	A-7_B5 (7-8')	Grab	7-8'	3/2/2022	
	A-7_B1 (14-15')	Grab	14-15'	3/2/2022	
	A-7_B3 (18-19')	Grab	18-19'	3/2/2022	
	A-7_B2 (24-25')	Grab	24-25'	3/2/2022	
A-8	A-8_B1 (2-3')	Grab	2-3'	3/3/2022	
	A-8_B2 (9-10')	Grab	9-10'	3/3/2022	
	A-8_B3 (13-14')	Grab	13-14'	3/3/2022	
	A-8_B4 (19-20')	Grab	19-20'	3/3/2022	
	A-8_B5 (23-24')	Grab	23-24'	3/3/2022	
B-1	B-1_B1 (8-9')	Grab	8-9'	2/28/2022	
	B-1_B2 (23-24')	Grab	23-24'	2/28/2022	
	B-1_B3 (3-4')	Grab	3-4'	2/28/2022	
	B-1_B4 (11-12')	Grab	11-12'	2/28/2022	
	B-1_B5 (18-19')	Grab	18-19'	2/28/2022	
B-2	B-2_B3 (3-4')	Grab	3-4'	3/3/2022	
	B-2_B1 (8-9')	Grab	8-9'	3/3/2022	
	B-2_B2 (10-11')	Grab	10-11'	3/3/2022	
	B-2_B4 (17-18')	Grab	17-18'	3/3/2022	
	B-2_B5 (22-23')	Grab	22-23'	3/3/2022	
B-3	B-3_B1 (6-7')	Grab	6-7'	3/4/2022	
	B-3_B2 (2-3')	Grab	2-3'	3/4/2022	
	B-3_B3 (13-14')	Grab	13-14'	3/4/2022	
	B-3_B4 (18-19')	Grab	18-19'	3/4/2022	
	B-3_B5 (22-23')	Grab	22-23'	3/4/2022	
B-4	B-4_B1 (7-8')	Grab	7-8'	3/4/2022	
	B-4_B2 (2-3')	Grab	2-3'	3/4/2022	
	B-4_B3 (13-14')	Grab	13-14'	3/4/2022	
	B-4_B4 (17-18')	Grab	17-18'	3/4/2022	
	B-4_B5 (22-23')	Grab	22-23'	3/4/2022	
B-5	B-5_B4 (25-26')	Grab	25-26'	5/2/2023	
DG-03	DG-03A (6-8')	Grab	6-8'	8/31/2022	Total Mercury & TCLP Mercury, Total Solids
RI-SB-01 (AKRF)	RI-SB-01A (6-8')	Grab	6-8'	8/31/2022	Total Lead & TCLP Lead, Total Solids
RI-SB-02 (AKRF)	RI-SB-02A (0-2')	Grab	0-2'	8/31/2022	
RI-SB-04 (AKRF)	RI-SB-04A (0-2')	Grab	0-2'	8/31/2022	
RI-SB-05 (AKRF)	RI-SB-05A (0-2')	Grab	0-2'	8/31/2022	
RI-SB-06 (AKRF)	RI-SB-06A (8-10')	Grab	8-10'	8/31/2022	
RI-SB-08 (AKRF)	RI-SB-08A (0-2')	Grab	0-2'	8/31/2022	Total Lead & TCLP Lead, Total Solids, PFAS & SPL PFAS

TABLE II

WASTE CHARACTERIZATION SAMPLES BY AREA AND/OR MATERIAL TYPE

138 BRUCKNER BOULEVARD SITE

138 BRUCKNER BOULEVARD, BRONX, NEW YORK

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Sample Location	Sample ID	Sample Type	Sample Depth (feet bgs)	Sample Date	Analytical Parameters
SOIL SAMPLES					
SB-01	SB_01 (0-2')	Grab	0-2'	3/1/2022	Total Lead & TCLP Lead, Total Solids
	SB_01 (6-8')	Grab	6-8'	3/1/2022	
	SB-01(H&A)A (4.5-5.5')	Grab	4.5-5.5'	9/8/2022	
SB-01 (AKRF)	SB-01A (4.5-5.5')	Grab	4.5-5.5'	8/31/2022	
	SB-01B (6.5-7.5')	Grab	6.5-7.5'	9/8/2022	
SB-01E1	SB-01E1 (4.5-5.5')	Grab	4.5-5.5'	9/8/2022	
SB-01S1	SB-01S1 (4.5-5.5')	Grab	4.5-5.5'	9/8/2022	
SB-02	SB-02 (0-2')	Grab	0-2'	2/28/2022	Total Lead & TCLP Lead, Total Barium & TCLP Barium, Total Solids
SB-04	SB-04 (0-2')	Grab	0-2'	2/28/2022	Total Lead & TCLP Lead, Total Solids
SB-05	SB_05 (0-2')	Grab	0-2'	3/1/2022	
SB-06	SB_06 (8-10')	Grab	8-10'	3/1/2022	
SB-06 (AKRF)	SB-06A (4.5-5.5')	Grab	4.5-5.5'	8/31/2022	
SB-08	SB-08 (0-2')	Grab	0-2'	2/28/2022	Total Lead & TCLP Lead, Total Barium & TCLP Barium, Total Solids

Notes:

* See WC Sampling Map for WC locations

1. VOC = Volatile Organic Compound

2. SVOC - Semivolatile Organic Compound

3. PCB - Polychlorinated Biphenyl

4. EPH - Extractable Petroleum Hydrocarbons

5. TCLP - Toxicity Characteristic Leaching Procedure

6. RCRA - Resource Conservation and Recovery Act

7. bgs - below grade surface

8. SB-01 (AKRF) is a location from AKRF's reports

9. SB-01 is a location from Haley & Aldrich's reports

Date	Time	Station Impacted	Impacted Monitoring Equipment	Comments
5/3/2022	All Day	Downwind 1995 & Upwind 2115	PID, DustTrak	Minor intrusive activities conducted; only one upwind and one downwind CAMP station setup for background reading collection; visual and olfactory monitoring conducted.
9/28/2022	1100-1400	Upwind 1996	PID	No intrusive activities conducted; CAMP station 1996 in northwestern corner of site and adjacent to an active gas station reported increasing PID readings throughout the day; visual and olfactory monitoring conducted.
9/29/2022	All Day	Upwind 1996	PID	No intrusive activities conducted; CAMP station 1996 in northwestern corner of site and adjacent to an active gas station reported increasing PID readings throughout the day; visual and olfactory monitoring conducted.
9/30/2022	1030-1630	Upwind 1996	PID	No intrusive activities conducted; CAMP station 1996 in northwestern corner of site and adjacent to an active gas station reported increasing PID readings throughout the day; visual and olfactory monitoring conducted.
10/3/2022	All Day 0715	Upwind 1996	PID, DustTrak	1. Between 0700-1530, CAMP station 1996 in northwestern corner of site and adjacent to an active gas station reported increasing PID readings throughout the day. 2. At 0715, particulate exceedences were reported at Upwind CAMP station 1996, however individual concentration readings were not sustained above action levels for more than 15-minutes. The exceedance was due to the contractor breaking up concrete directly adjacent to the CAMP station.
10/4/2022	All Day (Heavy Rain)	All Stations	PID, DustTrak	CAMP stations were not setup to prevent damage by heavy rain. Visual and olfactory monitoring were conducted for the remainder of the day. No odors or visible dust were observed leaving the Site perimeter.
10/6/2022	0700-1245 (Downwind 1996) 1330-1530 (All Stations)	All Stations	PID, DustTrak	1. Between 0700 and 1245, CAMP station 1996 in northwestern corner of site and adjacent to an active gas station reported increasing PID readings throughout the day. 2. Due to battery issues, CAMP monitoring was ceased at 1330. Visual and olfactory monitoring was performed from 1330 to 1530.
10/7/2022	All Day	Downwind 1996	PID	CAMP station 1996 in northwestern corner of site and adjacent to an active gas station reported increasing PID readings throughout the day; visual and olfactory monitoring conducted.
10/19/2022	0800-0945, 1000-1515	Upwind 1996	PID, DustTrak	1. Due to connectivity issues with Aeroqual, particulate and VOC readings were not collected at upwind CAMP station 1996 between 0800 and 0945. No visible dust was observed leaving the Site perimeter. 2. Between 1000-1515, CAMP station 1996 in northwestern corner of site and adjacent to an active gas station reported increasing PID readings throughout the day; visual and olfactory monitoring conducted.
10/20/2022	0700-1015, 1030-1445	Downwind 1996	PID, DustTrak	1. Between 0700-1015, CAMP station 1996 in northwestern corner of site and adjacent to an active gas station reported increasing PID readings throughout the day; visual and olfactory monitoring conducted. 2. Due to connectivity issues with Aeroqual, particulate and VOC readings were not collected at downwind CAMP station 1996 between 1030 and 1445. No visible dust was observed leaving the Site perimeter.
10/21/2022	0700-0830, 0845-1500	Upwind 1996	PID, DustTrak	1. Due to connectivity issues with Aeroqual, particulate and VOC readings were not collected at upwind CAMP station 1996 between 0700 and 0830. No visible dust was observed leaving the Site perimeter. 2. Between 845-1500, CAMP station 1996 in northwestern corner of site and adjacent to an active gas station reported increasing PID readings throughout the day; visual and olfactory monitoring conducted.
10/24/2022	0700-1130 (Heavy Rain) 1230-1330 (Upwind 1996+86)	All Stations & Upwind 1996	PID, DustTrak	1. CAMP stations were not deployed until 1130 to prevent damage from heavy rain. Visual and olfactory monitoring were performed prior to deploying the CAMP stations. No odors or visible dust were observed leaving the Site perimeter. 2. Due to connectivity issues with northwestern upwind CAMP station 1996, the unit was replaced by CAMP station 2120 between 1230-1330. Particulate and VOC readings were not collected in the northwestern portion of the site between 1230-1330. Visual and olfactory monitoring were performed; no visible dust was observed leaving the Site perimeter.
11/1/2022	0815	Upwind 2114	DustTrak	At 0815, a particulate reading exceeded action levels at upwind CAMP station 2114. The high particulate concentration was likely due to the contractor moving soil directly adjacent to the CAMP station. Potable water was used to wet the work areas during all subsequent intrusive activities.
11/4/2022	1030-1045, 1130-1200 (Downwind 1995) 1445-1515 (Downwind 2114)	Downwind 1995 & Downwind 2114	DustTrak	1. Between 1030-1045 and 1130-1200, particulate readings exceeded action levels at downwind CAMP station 1995. The high particulate concentrations were likely due to the contractor saw cutting the concrete sidewalk adjacent to CAMP station. Potable water was used while saw cutting to minimize particulate release. 2. Between 1445-1515, a particulate reading exceeded action levels at downwind CAMP station 2114. The high particulate concentrations were likely due to the contractor saw cutting the concrete sidewalk adjacent to CAMP station. Potable water was used while saw cutting to minimize particulate release.
11/28/2022	1015-1515 (Downwind 2115) 1415-1515 (Upwind 2120)	Downwind 2115 & Upwind 2120	PID, DustTrak	Due to battery issues, visual and olfactory monitoring was performed at downwind CAMP station 2115 between 1015-1515 and at upwind CAMP station 2120 between 1415-1515. No odors or visible dust was observed leaving the Site perimeter.
11/30/2022	0900-1530	All Stations	PID, DustTrak	CAMP monitoring was ceased at 0900 to prevent damage by heavy rain. Visual and olfactory monitoring were conducted for the remainder of the day. No odors or visible dust were observed leaving the Site perimeter.

Date	Time	Station Impacted	Impacted Monitoring Equipment	Comments
12/6/2022	1315-1530	All Stations	PID, DustTrak	CAMP monitoring was ceased at 1315 to prevent damage by heavy rain. Visual and olfactory monitoring were conducted for the remainder of the day. No odors or visual dust were observed leaving the Site perimeter.
12/7/2022	0700-0745	All Stations	PID, DustTrak	CAMP stations were not deployed until 0745 to prevent damage by heavy rain. Visual and olfactory monitoring were conducted during this time. No odors or visual dust were observed leaving the Site perimeter.
12/15/2022	1400-1530	All Stations	PID, DustTrak	CAMP monitoring was ceased at 1400 to prevent damage by heavy rain. Visual and olfactory monitoring were conducted during this time. No odors or visual dust were observed leaving the Site perimeter.
12/16/2022	All Day	All Stations	PID, DustTrak	CAMP stations were not setup to prevent damage by heavy rain. Visual and olfactory monitoring were conducted for the remainder of the day. No odors or visual dust were observed leaving the Site perimeter.
12/22/2022	1200-1615	All Stations	PID, DustTrak	CAMP monitoring was ceased at 1200 to prevent damage by heavy rain. Visual and olfactory monitoring were conducted for the remainder of the day. No odors or visual dust were observed leaving the Site perimeter.
12/27/2022	715	Downwind 1995	DustTrak	At 0715, a particulate reading exceeded action levels at downwind CAMP station 1995. The high particulate concentration was likely caused by a gust of wind as the contractor had not yet started intrusive activities.
1/3/2023	All Day	All Stations	PID, DustTrak	CAMP stations were not setup to prevent damage by heavy rain. Visual and olfactory monitoring were conducted for the remainder of the day. No odors or visual dust were observed leaving the Site perimeter.
1/6/2023	All Day	All Stations	PID, DustTrak	CAMP stations were not deployed to prevent damage by heavy rain. Visual and olfactory monitoring were conducted throughout the day. No odors or visual dust were observed leaving the Site perimeter.
1/12/2023	All Day	All Stations	PID, DustTrak	CAMP stations were not deployed to prevent damage by heavy rain. Visual and olfactory monitoring were conducted throughout the day. No odors or visual dust were observed leaving the Site perimeter.
1/13/2023	1245	Upwind 2114	DustTrak	At 1245, a particulate reading exceeded action levels at upwind CAMP station 2114. During that time, contractors were cutting asphalt for the dewatering system sewer connection along east 132nd Street directly adjacent to CAMP station 2114 in the southwestern corner of the Site. Potable water was used while saw cutting to minimize particulate release; no visible dust was observed leaving the Site perimeter.
1/16/2023	0915	Downwind 2114	DustTrak	At 0915, a particulate reading exceeded action levels at downwind CAMP station 2114. The high particulate concentration was likely due to the contractors cutting asphalt for the dewatering system sewer connection along east 132nd Street directly adjacent to CAMP station 2114. Potable water was used while saw cutting to minimize particulate release. No visible dust was observed leaving the Site perimeter.
1/19/2023	All Day	All Stations	PID, DustTrak	CAMP stations were not deployed to prevent damage by heavy rain. Visual and olfactory monitoring were conducted throughout the day. No odors or visual dust were observed leaving the Site perimeter.
1/23/2023	All Day	All Stations	PID, DustTrak	CAMP stations were not deployed to prevent damage by heavy rain. Visual and olfactory monitoring were conducted throughout the day. No odors or visual dust were observed leaving the Site perimeter.
1/24/2023	0700-1115	Downwind 2115	PID, DustTrak	Due to battery issues, downwind CAMP station 2115 was offline between 0700 and 1115. No odors or visible dust was observed leaving the Site perimeter.
1/25/2023	1315-1530	All Stations	PID, DustTrak	CAMP monitoring was ceased at 1315 to prevent damage by heavy rain. Visual and olfactory monitoring were conducted for the remainder of the day. No odors or visual dust were observed leaving the Site perimeter.
2/9/2023	0930, 1030-1045	Downwind 1995	DustTrak	At 0930 and between 1030 and 1045, elevated particulate readings were observed at downwind CAMP station 1995. The high particulate concentrations were likely due to welding activities directly adjacent to upwind CAMP station 1995. No visible particulate matter was observed leaving the Site perimeter.
2/16/2023	1130, 1230-1245, 1345-1400, 1430-1445 (Downwind 1995), 1445-1530 (All Stations)	All Stations	PID, DustTrak	1. At 1130, 1230-1245, 1345-1400, and 1430-1445 particulate concentrations exceeded action levels at downwind CAMP station 1995. The high particulate concentrations were likely due to welding activities directly adjacent to downwind CAMP station 1995. No visible particulate matter was observed leaving the Site perimeter. 2. CAMP monitoring was ceased at 1445 to prevent damage by heavy rain. Visual and olfactory monitoring were conducted for the remainder of the day. No odors or visual dust were observed leaving the Site perimeter.
2/17/2023	All Day	All Stations	PID, DustTrak	CAMP stations were not deployed to prevent damage by heavy rain. Visual and olfactory monitoring were conducted throughout the day. No odors or visual dust were observed leaving the Site perimeter.
2/22/2023	1445-1600	All Stations	PID, DustTrak	CAMP was ceased at 1445 to prevent damage by heavy rain. Visual and olfactory monitoring were conducted throughout the remainder of the day. No odors or visual dust were observed leaving the Site perimeter.
2/28/2023	All Day	All Stations	PID, DustTrak	CAMP stations were not deployed to prevent damage by heavy rain. Visual and olfactory monitoring were conducted throughout the day. No odors or visual dust were observed leaving the Site perimeter.
3/13/2023	All Day	All Stations	PID, DustTrak	CAMP stations were not deployed to prevent damage by heavy rain. Visual and olfactory monitoring were conducted throughout the day. No odors or visual dust were observed leaving the Site perimeter.
3/14/2023	All Day	All Stations	PID, DustTrak	CAMP stations were not deployed to prevent damage by heavy rain. Visual and olfactory monitoring were conducted throughout the day. No odors or visual dust were observed leaving the Site perimeter.

Date	Time	Station Impacted	Impacted Monitoring Equipment	Comments
3/21/2023	0745	Upwind 2114	DustTrak	At 0745, elevated particulate readings were observed at upwind CAMP station 2114. The elevated particulate levels were likely due to welding activities directly adjacent to upwind CAMP station 2114. No visible particulate matter was observed leaving the Site perimeter.
3/23/2023	0900 (Downwind 2115), 1100-1530 (All Stations)	All Stations	PID, DustTrak	1. At 0900, an elevated particulate reading was observed at downwind CAMP station 2115. The elevated particulate reading was likely due to a generator starting-up directly adjacent to downwind CAMP station 2115. The generator was subsequently shut off; no visible particulate matter was observed leaving the Site perimeter. 2. CAMP monitoring was ceased at 1100 to prevent damage by heavy rain. Visual and olfactory monitoring were conducted for the remainder of the day. No odors or visual dust were observed leaving the Site perimeter.
4/3/2023	1130	Upwind 2115	DustTrak	At 1130, elevated particulate readings were observed at upwind CAMP station 2115 when the monitoring station was being moved to a more secure area due to contractor activities in the northeastern corner of the Site. No visible particulate matter was observed leaving the Site perimeter.
4/5/2023	1315-1530	All Stations	PID, DustTrak	CAMP monitoring was ceased at 1315 to prevent damage by heavy rain. Visual and olfactory monitoring were conducted for the remainder of the day. No odors or visual dust were observed leaving the Site perimeter.
4/21/2023	1230	Upwind 1995	DustTrak	At 1230, elevated particulate readings were observed at upwind CAMP station 1995. The elevated readings were likely due to a gust of wind as there was no work being conducted in that area of the site at that time. No visible particulate matter was observed leaving the Site perimeter.
4/26/2023	0830	Upwind 2115	DustTrak	At 0830, elevated particulate readings were observed at upwind CAMP station 2115 when a concrete wash station was staged adjacent to the station. No visible particulate matter was observed leaving the Site perimeter.
4/27/2023	0915	Downwind 2115	DustTrak	At 0915, elevated particulate readings were observed at downwind CAMP station 2115 due to welding activities adjacent to the station. No visible particulate matter was observed leaving the Site perimeter.
5/2/2023	1000-1530	All Stations	PID, DustTrak	CAMP monitoring was ceased at 1000 to prevent damage by heavy rain. Visual and olfactory monitoring were conducted for the remainder of the day. No odors or visual dust were observed leaving the Site perimeter.
5/4/2023	1045	Upwind 2115	DustTrak	At 1045, elevated particulate readings were observed at upwind CAMP station 2115 due to welding activities adjacent to the station. No visible particulate matter was observed leaving the Site perimeter.
5/16/2023	All Day	Upwind 2114	PID, DustTrak	CAMP Station 2114 was offline due to a broken connection cable. No visible particulate matter was observed leaving the Site perimeter.
5/17/2023	All Day	Downwind 2114	PID, DustTrak	CAMP Station 2114 was offline due to a broken connection cable. No visible particulate matter was observed leaving the Site perimeter.
5/18/2023	All Day	Downwind 2114	PID, DustTrak	CAMP Station 2114 was offline due to a broken connection cable. No visible particulate matter was observed leaving the Site perimeter.
5/19/2023	All Day	Downwind 2114	PID, DustTrak	CAMP Station 2114 was offline due to a broken connection cable. No visible particulate matter was observed leaving the Site perimeter.
5/22/2023	All Day	Downwind 2114	PID, DustTrak	CAMP Station 2114 was offline due to a broken connection cable. No visible particulate matter was observed leaving the Site perimeter.

TABLE IV**TANK IDENTIFICATION AND WASTE SUMMARY**

138 BRUCKNER BOULEVARD SITE

138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Tank ID	AST/UST	Date Identified	Volume (Gal)	Contents	Liquid Waste Disposed (Gal)	Solid Waste Disposal (lbs)	Date Removed
UST-001	UST	10/19/2022	1,000	Fuel Oil/Water	228	0	10/21/2022
UST-002	UST	11/1/2022	3,000	Fuel Oil/Water	307	600	11/9/2022

TABLE V
TANK ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	New York Part 375 Unrestricted Use Soil Cleanup Objectives	UST-01 UST-01_15-15.5 22K0264-01 11/03/2022 N 15 - 15.5 (ft) UST	UST-01 UST-01_17-17.5 L2317800-01 04/05/2023 N 17 - 17.5 (ft) UST	UST-01E UST-01E_15-15.5 22K0264-04 11/03/2022 N 15 - 15.5 (ft) UST	UST-01E UST-01E_17-17.5 L2317800-07 04/05/2023 N 17 - 17.5 (ft) UST	UST-01N UST-01N_15-15.5 22K0264-02 11/03/2022 N 15 - 15.5 (ft) UST	UST-01N UST-01N_17-17.5 L2317800-03 04/05/2023 N 17 - 17.5 (ft) UST	UST-01S UST-01S_15-15.5 22K0264-03 11/03/2022 N 15 - 15.5 (ft) UST	UST-01S UST-01S_17-17.5 L2317800-05 04/05/2023 N 17 - 17.5 (ft) UST	UST-01W UST-01W_15-15.5 22K0264-05 11/03/2022 N 15 - 15.5 (ft) UST	UST-01W UST-01W_17-17.5 L2317800-09 04/05/2023 N 17 - 17.5 (ft) UST	UST-02-1 UST-02-1_3.5-4 22K0371-01 11/07/2022 N 3.5 - 4 (ft) UST	UST-02-1 UST-02-1_5.5-6 23B0189-08 02/03/2023 N 5.5 - 6 (ft) UST	
Inorganic Compounds (mg/kg)														
Arsenic	13	2.22	--	3.08	--	3.2	--	7.24	--	3.63	--	5.91	--	
Barium	350	89.7	--	67.6	--	53	--	142	--	125	--	190	--	
Beryllium	7.2	ND (0.048)	--	ND (0.05)	--	ND (0.049)	--	ND (0.049)	--	ND (0.048)	--	0.155	--	
Cadmium	2.5	ND (0.284)	--	ND (0.296)	--	ND (0.29)	--	0.63	--	ND (0.284)	--	0.343	--	
Chromium	NA	42.9	--	21.2	--	14.7	--	22.1	--	17.3	--	18.2	--	
Copper	50	35.7	--	29.4	15.8	19.9	--	55 ^[A]	12.7	41.4	--	48.2	--	
Lead	63	15.1	--	59.1	4.23	10.1	--	189 ^[A]	4.03	92.2 ^[A]	5.14	280 ^[A]	316 ^[A]	
Manganese	1600	970	--	454	--	689	--	382	--	375	--	526	--	
Mercury	0.18	ND (0.0341)	--	0.304 ^[A]	ND (0.075) J	ND (0.0347)	--	0.614 ^[A]	ND (0.074) J	0.278 ^[A]	ND (0.073) J	0.797 ^[A]	0.387 J+ ^[A]	
Nickel	30	33.4 ^[A]	9.83	19	--	14.2	--	20.8	--	17.9	--	17.6	--	
Selenium	3.9	ND (2.36)	--	ND (2.46)	--	7.14 ^[A]	ND (0.87)	ND (2.41)	--	2.93	--	ND (2.36)	--	
Silver	2	ND (0.477)	--	ND (0.497)	--	ND (0.486)	--	ND (0.487)	--	ND (0.477)	--	ND (0.477)	--	
Zinc	109	123 ^[A]	42.4	63.9	55.3	53	--	292 ^[A]	44.3	100	--	327 ^[A]	232 ^[A]	
Other (%)														
Percent Solids, weight		88.1	91.7	84.5	88.3	86.3	87.3	86.3	91.2	88.1	90.1	88.1	88	
Semi-Volatile Organic Compounds (mg/kg)														
1,2,4,5-Tetrachlorobenzene	NA	ND (0.0923)	--	ND (0.0977)	--	ND (0.138)	--	ND (0.0961)	--	ND (0.0926)	--	ND (0.0945)	--	
1,2,4-Trichlorobenzene	NA	--	--	--	--	--	--	--	--	--	--	ND (0.0473)	--	
1,2-Dichlorobenzene	1.1	--	--	--	--	--	--	--	--	--	--	ND (0.0473)	--	
1,2-Diphenylhydrazine	NA	--	--	--	--	--	--	--	--	--	--	ND (0.0473)	--	
1,3-Dichlorobenzene	2.4	--	--	--	--	--	--	--	--	--	--	ND (0.0473)	--	
1,4-Dichlorobenzene	1.8	--	--	--	--	--	--	--	--	--	--	ND (0.0473)	--	
1-Methylnaphthalene	NA	--	--	--	--	--	--	--	--	--	--	ND (0.0945)	--	
2,2'-oxybis(2-Chloropropane)	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--	
2,3,4,6-Tetrachlorophenol	NA	ND (0.0923)	--	ND (0.0977)	--	ND (0.138)	--	ND (0.0961)	--	ND (0.0926)	--	ND (0.0945)	--	
2,4,5-Trichlorophenol	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--	
2,4,6-Trichlorophenol	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--	
2,4-Dichlorophenol	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--	
2,4-Dimethylphenol	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--	
2,4-Dinitrophenol	NA	ND (0.0923)	--	ND (0.0977)	--	ND (0.138)	--	ND (0.0961)	--	ND (0.0926)	--	ND (0.0945)	--	
2,4-Dinitrotoluene	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--	
2,6-Dinitrotoluene	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--	
2-Chloronaphthalene	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--	
2-Chlorophenol	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--	
2-Methylnaphthalene	NA	ND (0.0463)	--	ND (0.049)	--	2.38	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--	
2-Methylphenol (o-Cresol)	0.33	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--	
2-Nitroaniline	NA	ND (0.0923)	--	ND (0.0977)	--	ND (0.138)	--	ND (0.0961)	--	ND (0.0926)	--	ND (0.0945)	--	
2-Nitrophenol	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--	
3&4-Methylphenol	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--	
3,3'-Dichlorobenzidine	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--	
3-Nitroaniline	NA	ND (0.0923)	--	ND (0.0977)	--	ND (0.138)	--	ND (0.0961)	--	ND (0.0926)	--	ND (0.0945)	--	
4,6-Dinitro-2-methylphenol	NA	ND (0.0923)	--	ND (0.0977)	--	ND (0.138)	--	ND (0.0961)	--	ND (0.0926)	--	ND (0.0945)	--	
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--	
4-Chloro-3-methylphenol	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--	
4-Chloroaniline	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--	

TABLE V
TANK ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	New York Part 375 Unrestricted Use Soil Cleanup Objectives	UST-01 UST-01_15-15.5 22K0264-01 11/03/2022 N 15 - 15.5 (ft) UST	UST-01 UST-01_17-17.5 L2317800-01 04/05/2023 N 17 - 17.5 (ft) UST	UST-01E UST-01E_15-15.5 22K0264-04 11/03/2022 N 15 - 15.5 (ft) UST	UST-01E UST-01E_17-17.5 L2317800-07 04/05/2023 N 17 - 17.5 (ft) UST	UST-01N UST-01N_15-15.5 22K0264-02 11/03/2022 N 15 - 15.5 (ft) UST	UST-01N UST-01N_17-17.5 L2317800-03 04/05/2023 N 17 - 17.5 (ft) UST	UST-01S UST-01S_15-15.5 22K0264-03 11/03/2022 N 15 - 15.5 (ft) UST	UST-01S UST-01S_17-17.5 L2317800-05 04/05/2023 N 17 - 17.5 (ft) UST	UST-01W UST-01W_15-15.5 22K0264-05 11/03/2022 N 15 - 15.5 (ft) UST	UST-01W UST-01W_17-17.5 L2317800-09 04/05/2023 N 17 - 17.5 (ft) UST	UST-02-1 UST-02-1_3.5-4 22K0371-01 11/07/2022 N 3.5 - 4 (ft) UST	UST-02-1 UST-02-1_5.5-6 23B0189-08 02/03/2023 N 5.5 - 6 (ft) UST
4-Chlorophenyl phenyl ether	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
4-Nitroaniline	NA	ND (0.0923)	--	ND (0.0977)	--	ND (0.138)	--	ND (0.0961)	--	ND (0.0926)	--	ND (0.0945)	--
4-Nitrophenol	NA	ND (0.0923)	--	ND (0.0977)	--	ND (0.138)	--	ND (0.0961)	--	ND (0.0926)	--	ND (0.0945)	--
Acenaphthene	20	ND (0.0463)	--	0.0672 J	--	0.326	--	ND (0.0482)	--	ND (0.0464)	--	0.0498 J	ND (0.0473)
Acenaphthylene	100	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	0.0725 J	0.0559 J
Acetophenone	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
Aniline	NA	--	--	--	--	--	--	--	--	--	--	ND (0.189)	--
Anthracene	100	ND (0.0463)	--	0.181	--	0.129 J	--	ND (0.0482)	--	ND (0.0464)	--	0.166	0.0846 J
Atrazine	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
Benzaldehyde	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
Benzidine	NA	--	--	--	--	--	--	--	--	--	--	ND (0.189)	--
Benzo(a)anthracene	1	ND (0.0463)	--	0.483	--	ND (0.0692)	--	0.063 J	--	0.057 J	--	0.661	0.384
Benzo(a)pyrene	1	ND (0.0463)	--	0.534	--	ND (0.0692)	--	0.0676 J	--	0.0525 J	--	0.668	0.418
Benzo(b)fluoranthene	1	ND (0.0463)	--	0.458	--	ND (0.0692)	--	0.0553 J	--	0.0473 J	--	0.607	0.337
Benzo(g,h,i)perylene	100	ND (0.0463)	--	0.366	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	0.423	0.31
Benzo(k)fluoranthene	0.8	ND (0.0463)	--	0.432	--	ND (0.0692)	--	0.053 J	--	0.0473 J	--	0.538	0.35
Benzoic acid	NA	--	--	--	--	--	--	--	--	--	--	0.0473 R	--
Benzyl Alcohol	NA	--	--	--	--	--	--	--	--	--	--	ND (0.0473)	--
Biphenyl	NA	ND (0.0463)	--	ND (0.049)	--	0.233	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
bis(2-Chloroethoxy)methane	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
bis(2-Chloroethyl)ether	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
bis(2-Ethylhexyl)phthalate	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
Butyl benzylphthalate (BBP)	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
Caprolactam	NA	ND (0.0923)	--	ND (0.0977)	--	ND (0.138)	--	ND (0.0961)	--	ND (0.0926)	--	ND (0.0945)	--
Carbazole	NA	ND (0.0463)	--	0.0805 J	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
Chrysene	1	ND (0.0463)	--	0.488	--	ND (0.0692)	--	0.0707 J	--	0.0607 J	--	0.676	0.402
Dibenz(a,h)anthracene	0.33	ND (0.0463)	--	0.0719 J	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	0.128	0.0966
Dibenzofuran	7	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
Diethyl phthalate	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
Dimethyl phthalate	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
Di-n-butylphthalate (DBP)	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
Di-n-octyl phthalate (DnOP)	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
Diphenylamine	NA	--	--	--	--	--	--	--	--	--	--	ND (0.0945)	--
Ethyl Parathion	NA	--	--	--	--	--	--	--	--	--	--	ND (0.0473)	--
Fluoranthene	100	ND (0.0463)	--	0.959	--	ND (0.0692)	--	0.116	--	0.102	--	1.12	0.705
Fluorene	30	ND (0.0463)	--	ND (0.049)	--	0.523	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	ND (0.0473)
Hexachlorobenzene	0.33	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
Hexachlorobutadiene	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
Hexachlorocyclopentadiene	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
Hexachloroethane	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
Indeno(1,2,3-cd)pyrene	0.5	ND (0.0463)	--	0.379	--	ND (0.0692)	--	0.0507 J	--	ND (0.0464)	--	0.457	0.249
Isophorone	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
Methylphenol (Cresol)	NA	--	--	--	--	--	--	--	--	--	--	ND (0.0945)	--
Naphthalene	12	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	ND (0.0473)
Nitrobenzene	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
N-Nitrosodimethylamine	NA	--	--	--	--	--	--	--	--	--	--	ND (0.0473)	--
N-Nitrosodi-n-propylamine	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
N-Nitrosodiphenylamine	NA	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--

TABLE V
TANK ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	New York Part 375 Unrestricted Use Soil Cleanup Objectives	UST-01 UST-01_15-15.5 22K0264-01 11/03/2022 N 15 - 15.5 (ft) UST	UST-01 UST-01_17-17.5 L2317800-01 04/05/2023 N 17 - 17.5 (ft) UST	UST-01E UST-01E_15-15.5 22K0264-04 11/03/2022 N 15 - 15.5 (ft) UST	UST-01E UST-01E_17-17.5 L2317800-07 04/05/2023 N 17 - 17.5 (ft) UST	UST-01N UST-01N_15-15.5 22K0264-02 11/03/2022 N 15 - 15.5 (ft) UST	UST-01N UST-01N_17-17.5 L2317800-03 04/05/2023 N 17 - 17.5 (ft) UST	UST-01S UST-01S_15-15.5 22K0264-03 11/03/2022 N 15 - 15.5 (ft) UST	UST-01S UST-01S_17-17.5 L2317800-05 04/05/2023 N 17 - 17.5 (ft) UST	UST-01W UST-01W_15-15.5 22K0264-05 11/03/2022 N 15 - 15.5 (ft) UST	UST-01W UST-01W_17-17.5 L2317800-09 04/05/2023 N 17 - 17.5 (ft) UST	UST-02-1 UST-02-1_3.5-4 22K0371-01 11/07/2022 N 3.5 - 4 (ft) UST	UST-02-1 UST-02-1_5.5-6 23B0189-08 02/03/2023 N 5.5 - 6 (ft) UST
Pentachloronitrobenzene	NA	--	--	--	--	--	--	--	--	--	--	ND (0.0945)	--
Pentachlorophenol	0.8	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
Phenanthrene	100	ND (0.0463)	--	0.757	--	1.19	--	0.0676 J	--	0.0769 J	--	0.9	0.35
Phenol	0.33	ND (0.0463)	--	ND (0.049)	--	ND (0.0692)	--	ND (0.0482)	--	ND (0.0464)	--	ND (0.0473)	--
Propargite	NA	--	--	--	--	--	--	--	--	--	--	ND (0.189)	--
Pyrene	100	ND (0.0463)	--	0.973	--	0.0861 J	--	0.11	--	0.0969	--	1.3	0.62
Pyridine	NA	--	--	--	--	--	--	--	--	--	--	ND (0.189)	--
Resorcinol	NA	--	--	--	--	--	--	--	--	--	--	ND (0.189)	--
Volatile Organic Compounds (mg/kg)													
1,2,4-Trimethylbenzene	3.6	ND (0.0029)	--	ND (0.0027)	--	1.9	--	ND (0.003)	--	ND (0.0026)	--	ND (0.0028)	--
1,3,5-Trimethylbenzene	8.4	ND (0.0029)	--	ND (0.0027)	--	0.89	--	ND (0.003)	--	ND (0.0026)	--	ND (0.0028)	--
2-Phenylbutane (sec-Butylbenzene)	11	ND (0.0029)	--	ND (0.0027)	--	ND (0.27)	--	ND (0.003)	--	ND (0.0026)	--	ND (0.0028)	--
Benzene	0.06	ND (0.0029)	--	ND (0.0027)	--	ND (0.27) ^[A]	ND (0.00054)	ND (0.003)	--	ND (0.0026)	--	ND (0.0028)	--
Cymene (p-Isopropyltoluene)	NA	ND (0.0029)	--	ND (0.0027)	--	ND (0.27)	--	ND (0.003)	--	ND (0.0026)	--	ND (0.0028)	--
Ethylbenzene	1	ND (0.0029)	--	ND (0.0027)	--	ND (0.27)	--	ND (0.003)	--	ND (0.0026)	--	ND (0.0028)	--
Isopropylbenzene (Cumene)	NA	ND (0.0029)	--	ND (0.0027)	--	ND (0.27)	--	ND (0.003)	--	ND (0.0026)	--	ND (0.0028)	--
m,p-Xylenes	NA	ND (0.0059)	--	ND (0.0055)	--	0.78 J	ND (0.0022)	ND (0.0059)	--	ND (0.0053)	--	ND (0.0057)	--
Methyl Tert Butyl Ether (MTBE)	0.93	ND (0.0029)	--	ND (0.0027)	--	ND (0.27)	--	ND (0.003)	--	ND (0.0026)	--	ND (0.0028)	--
Naphthalene	12	ND (0.0029)	--	ND (0.0027)	--	1.6	--	ND (0.003)	--	ND (0.0026)	--	ND (0.0028)	--
n-Butylbenzene	12	ND (0.0029)	--	ND (0.0027)	--	ND (0.27)	--	ND (0.003)	--	ND (0.0026)	--	ND (0.0028)	--
n-Propylbenzene	3.9	ND (0.0029)	--	ND (0.0027)	--	ND (0.27)	--	ND (0.003)	--	ND (0.0026)	--	ND (0.0028)	--
o-Xylene	NA	ND (0.0029)	--	ND (0.0027)	--	0.46 J	ND (0.0011)	ND (0.003)	--	ND (0.0026)	--	ND (0.0028)	--
tert-Butylbenzene	5.9	ND (0.0029)	--	ND (0.0027)	--	ND (0.27)	--	ND (0.003)	--	ND (0.0026)	--	ND (0.0028)	--
Toluene	0.7	ND (0.0029)	--	ND (0.0027)	--	ND (0.27)	--	ND (0.003)	--	ND (0.0026)	--	ND (0.0028)	--
Xylene (Total)	0.26	ND (0.0088)	--	ND (0.0082)	--	1.2 J ^[A]	ND (0.0011)	ND (0.0089)	--	ND (0.0079)	--	ND (0.0085)	--

Notes:
A - Concentration exceeds the New York Unrestricted Use Soil Cleanup Objectives
mg/kg: milligram per kilogram
--: 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.
- Shaded values indicate an exceedance of the Unrestricted Use Soil Cleanup Objectives

TABLE V
TANK ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	New York Part 375 Unrestricted Use Soil Cleanup Objectives	UST-02-1 UST-02-1_7.5-8 23B0849-25 02/15/2023 N 7.5 - 8 (ft) UST	UST-02-1 UST-02-1_9.5-10 23B0849-29 02/15/2023 N 9.5 - 10 (ft) UST	UST-02-2 UST-02-2_3.5-4 22K0371-02 11/07/2022 N 3.5 - 4 (ft) UST	UST-02-2 UST-02-2_3.5-4 22K0371-02RE1 11/07/2022 N 3.5 - 4 (ft) UST	UST-02-2 UST-02-2_5.5-6 23B0189-09 02/03/2023 N 5.5 - 6 (ft) UST	UST-02-2 UST-02-2_7.5-8 23B0849-26 02/15/2023 N 7.5 - 8 (ft) UST	UST-02-2 UST-02-2_9.5-10 23B0849-30 02/15/2023 N 9.5 - 10 (ft) UST	UST-02-2 UST-02-2_11.5-12 23B0849-34 02/15/2023 N 11.5 - 12 (ft) UST	UST-02-2 UST-02-2_13.5-14 23B0849-38 02/15/2023 N 13.5 - 14 (ft) UST	UST-02-2 UST-02-2_15.5-16 23B0849-42 02/15/2023 N 15.5 - 16 (ft) UST	UST-02-3 UST-02-3_3.5-4 22K0371-03 11/07/2022 N 3.5 - 4 (ft) UST	UST-02-3 UST-02-3_5.5-6 23B0189-10 02/03/2023 N 5.5 - 6 (ft) UST	
Inorganic Compounds (mg/kg)														
Arsenic	13	--	--	8.16	--	--	--	--	--	--	--	--	6.42	--
Barium	350	--	--	277	--	--	--	--	--	--	--	--	254	--
Beryllium	7.2	--	--	0.227	--	--	--	--	--	--	--	--	ND (0.048)	--
Cadmium	2.5	--	--	0.756	--	--	--	--	--	--	--	--	0.542	--
Chromium	NA	--	--	22.8	--	--	--	--	--	--	--	--	21.1	--
Copper	50	--	--	69.5 ^[A]	--	43.2	--	--	--	--	--	--	66.2 ^[A]	42.8
Lead	63	52.7 J	--	563 ^[A]	--	64.6 ^[A]	114 J ^[A]	99.6 ^[A]	110 ^[A]	16.3	41.6	353 ^[A]	108 ^[A]	
Manganese	1600	--	--	414	--	--	--	--	--	--	--	--	360	--
Mercury	0.18	0.0497	--	0.635 ^[A]	--	0.0544	--	--	--	--	--	--	0.47 ^[A]	0.208 ^[A]
Nickel	30	--	--	21.4	--	--	--	--	--	--	--	--	18.5	--
Selenium	3.9	--	--	ND (2.4)	--	--	--	--	--	--	--	--	ND (2.37)	--
Silver	2	--	--	ND (0.483)	--	--	--	--	--	--	--	--	ND (0.478)	--
Zinc	109	118 J ^[A]	59.8	797 ^[A]	--	109	--	--	--	--	--	--	313 ^[A]	159 ^[A]
Other (%)														
Percent Solids, weight		87.6	87.2 J	86.9	--	88.6	88.3	85.9 J	83.8 J	84.7 J	86.1 J	87.8	88.1	
Semi-Volatile Organic Compounds (mg/kg)														
1,2,4,5-Tetrachlorobenzene	NA	--	--	ND (0.0937)	--	--	--	--	--	--	--	--	ND (0.0939)	--
1,2,4-Trichlorobenzene	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
1,2-Dichlorobenzene	1.1	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
1,2-Diphenylhydrazine	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
1,3-Dichlorobenzene	2.4	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
1,4-Dichlorobenzene	1.8	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
1-Methylnaphthalene	NA	--	--	ND (0.0937)	--	--	--	--	--	--	--	--	ND (0.0939)	--
2,2'-oxybis(2-Chloropropane)	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
2,3,4,6-Tetrachlorophenol	NA	--	--	ND (0.0937)	--	--	--	--	--	--	--	--	ND (0.0939)	--
2,4,5-Trichlorophenol	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
2,4,6-Trichlorophenol	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
2,4-Dichlorophenol	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
2,4-Dimethylphenol	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
2,4-Dinitrophenol	NA	--	--	ND (0.0937)	--	--	--	--	--	--	--	--	ND (0.0939)	--
2,4-Dinitrotoluene	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
2,6-Dinitrotoluene	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
2-Chloronaphthalene	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
2-Chlorophenol	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
2-Methylnaphthalene	NA	--	--	0.0779 J	--	--	--	--	--	--	--	--	0.0608 J	--
2-Methylphenol (o-Cresol)	0.33	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
2-Nitroaniline	NA	--	--	ND (0.0937)	--	--	--	--	--	--	--	--	ND (0.0939)	--
2-Nitrophenol	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
3&4-Methylphenol	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
3,3'-Dichlorobenzidine	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
3-Nitroaniline	NA	--	--	ND (0.0937)	--	--	--	--	--	--	--	--	ND (0.0939)	--
4,6-Dinitro-2-methylphenol	NA	--	--	ND (0.0937)	--	--	--	--	--	--	--	--	ND (0.0939)	--
4-Bromophenyl phenyl ether (BDE-3)	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
4-Chloro-3-methylphenol	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--
4-Chloroaniline	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	--	ND (0.0471)	--

TABLE V
TANK ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	New York Part 375 Unrestricted Use Soil Cleanup Objectives	UST-02-1 UST-02-1_7.5-8 23B0849-25 02/15/2023 N 7.5 - 8 (ft) UST	UST-02-1 UST-02-1_9.5-10 23B0849-29 02/15/2023 N 9.5 - 10 (ft) UST	UST-02-2 UST-02-2_3.5-4 22K0371-02 11/07/2022 N 3.5 - 4 (ft) UST	UST-02-2 UST-02-2_3.5-4 22K0371-02RE1 11/07/2022 N 3.5 - 4 (ft) UST	UST-02-2 UST-02-2_5.5-6 23B0189-09 02/03/2023 N 5.5 - 6 (ft) UST	UST-02-2 UST-02-2_7.5-8 23B0849-26 02/15/2023 N 7.5 - 8 (ft) UST	UST-02-2 UST-02-2_9.5-10 23B0849-30 02/15/2023 N 9.5 - 10 (ft) UST	UST-02-2 UST-02-2_11.5-12 23B0849-34 02/15/2023 N 11.5 - 12 (ft) UST	UST-02-2 UST-02-2_13.5-14 23B0849-38 02/15/2023 N 13.5 - 14 (ft) UST	UST-02-2 UST-02-2_15.5-16 23B0849-42 02/15/2023 N 15.5 - 16 (ft) UST	UST-02-3 UST-02-3_3.5-4 22K0371-03 11/07/2022 N 3.5 - 4 (ft) UST	UST-02-3 UST-02-3_5.5-6 23B0189-10 02/03/2023 N 5.5 - 6 (ft) UST
4-Chlorophenyl phenyl ether	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
4-Nitroaniline	NA	--	--	ND (0.0937)	--	--	--	--	--	--	--	ND (0.0939)	--
4-Nitrophenol	NA	--	--	ND (0.0937)	--	--	--	--	--	--	--	ND (0.0939)	--
Acenaphthene	20	--	--	0.18	--	ND (0.047)	--	--	--	--	--	0.126	ND (0.0471)
Acenaphthylene	100	--	--	0.243	--	ND (0.047)	--	--	--	--	--	0.252	ND (0.0471)
Acetophenone	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
Aniline	NA	--	--	ND (0.188)	--	--	--	--	--	--	--	ND (0.188)	--
Anthracene	100	--	--	0.763	--	ND (0.047)	--	--	--	--	--	0.4	0.0474 J+
Atrazine	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
Benzaldehyde	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
Benzidine	NA	--	--	ND (0.188)	--	--	--	--	--	--	--	ND (0.188)	--
Benzo(a)anthracene	1	--	--	2.55 ^[A]	--	0.154	--	--	--	--	--	1.19 ^[A]	0.213 J+
Benzo(a)pyrene	1	--	--	2.54 ^[A]	--	0.16	--	--	--	--	--	1.11 ^[A]	0.207 J+
Benzo(b)fluoranthene	1	--	--	2.15 ^[A]	--	0.127	--	--	--	--	--	0.966	0.164 J+
Benzo(g,h,i)perylene	100	--	--	1.5	--	0.105	--	--	--	--	--	0.689	0.14 J+
Benzo(k)fluoranthene	0.8	--	--	1.91 ^[A]	--	0.136	--	--	--	--	--	0.956 ^[A]	0.17 J+
Benzoic acid	NA	--	--	0.0469 R	--	--	--	--	--	--	--	0.0471 R	--
Benzyl Alcohol	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
Biphenyl	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
bis(2-Chloroethoxy)methane	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
bis(2-Chloroethyl)ether	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
bis(2-Ethylhexyl)phthalate	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
Butyl benzylphthalate (BBP)	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
Caprolactam	NA	--	--	ND (0.0937)	--	--	--	--	--	--	--	ND (0.0939)	--
Carbazole	NA	--	--	0.324	--	--	--	--	--	--	--	0.158	--
Chrysene	1	--	--	2.62 ^[A]	--	0.149	--	--	--	--	--	1.23 ^[A]	0.23 J+
Dibenz(a,h)anthracene	0.33	--	--	0.301	--	ND (0.047)	--	--	--	--	--	0.14	ND (0.0471)
Dibenzofuran	7	--	--	0.172	--	--	--	--	--	--	--	0.101	--
Diethyl phthalate	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
Dimethyl phthalate	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
Di-n-butylphthalate (DBP)	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
Di-n-octyl phthalate (DnOP)	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
Diphenylamine	NA	--	--	ND (0.0937)	--	--	--	--	--	--	--	ND (0.0939)	--
Ethyl Parathion	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
Fluoranthene	100	--	--	--	5.57	0.251	--	--	--	--	--	2.26	0.372 J+
Fluorene	30	--	--	0.234	--	ND (0.047)	--	--	--	--	--	0.132	ND (0.0471)
Hexachlorobenzene	0.33	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
Hexachlorobutadiene	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
Hexachlorocyclopentadiene	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
Hexachloroethane	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
Indeno(1,2,3-cd)pyrene	0.5	--	--	1.72 ^[A]	--	0.0938 J	--	--	--	--	--	0.724 ^[A]	0.117 J+
Isophorone	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
Methylphenol (Cresol)	NA	--	--	ND (0.0937)	--	--	--	--	--	--	--	ND (0.0939)	--
Naphthalene	12	--	--	0.106	--	ND (0.047)	--	--	--	--	--	0.0766 J	ND (0.0471)
Nitrobenzene	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
N-Nitrosodimethylamine	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
N-Nitrosodi-n-propylamine	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
N-Nitrosodiphenylamine	NA	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--

TABLE V
TANK ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	New York Part 375 Unrestricted Use Soil Cleanup Objectives	UST-02-1 UST-02-1_7.5-8 23B0849-25 02/15/2023 N 7.5 - 8 (ft) UST	UST-02-1 UST-02-1_9.5-10 23B0849-29 02/15/2023 N 9.5 - 10 (ft) UST	UST-02-2 UST-02-2_3.5-4 22K0371-02 11/07/2022 N 3.5 - 4 (ft) UST	UST-02-2 UST-02-2_3.5-4 22K0371-02RE1 11/07/2022 N 3.5 - 4 (ft) UST	UST-02-2 UST-02-2_5.5-6 23B0189-09 02/03/2023 N 5.5 - 6 (ft) UST	UST-02-2 UST-02-2_7.5-8 23B0849-26 02/15/2023 N 7.5 - 8 (ft) UST	UST-02-2 UST-02-2_9.5-10 23B0849-30 02/15/2023 N 9.5 - 10 (ft) UST	UST-02-2 UST-02-2_11.5-12 23B0849-34 02/15/2023 N 11.5 - 12 (ft) UST	UST-02-2 UST-02-2_13.5-14 23B0849-38 02/15/2023 N 13.5 - 14 (ft) UST	UST-02-2 UST-02-2_15.5-16 23B0849-42 02/15/2023 N 15.5 - 16 (ft) UST	UST-02-3 UST-02-3_3.5-4 22K0371-03 11/07/2022 N 3.5 - 4 (ft) UST	UST-02-3 UST-02-3_5.5-6 23B0189-10 02/03/2023 N 5.5 - 6 (ft) UST
Pentachloronitrobenzene	NA	--	--	ND (0.0937)	--	--	--	--	--	--	--	ND (0.0939)	--
Pentachlorophenol	0.8	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
Phenanthrene	100	--	--	--	3.75	0.108	--	--	--	--	--	1.73	0.251 J+
Phenol	0.33	--	--	ND (0.0469)	--	--	--	--	--	--	--	ND (0.0471)	--
Propargite	NA	--	--	ND (0.188)	--	--	--	--	--	--	--	ND (0.188)	--
Pyrene	100	--	--	--	5.33	0.217	--	--	--	--	--	2.19	0.367 J+
Pyridine	NA	--	--	ND (0.188)	--	--	--	--	--	--	--	ND (0.188)	--
Resorcinol	NA	--	--	ND (0.188)	--	--	--	--	--	--	--	ND (0.188)	--
Volatile Organic Compounds (mg/kg)													
1,2,4-Trimethylbenzene	3.6	--	--	ND (0.0028)	--	--	--	--	--	--	--	ND (0.0038)	--
1,3,5-Trimethylbenzene	8.4	--	--	ND (0.0028)	--	--	--	--	--	--	--	ND (0.0038)	--
2-Phenylbutane (sec-Butylbenzene)	11	--	--	ND (0.0028)	--	--	--	--	--	--	--	ND (0.0038)	--
Benzene	0.06	--	--	ND (0.0028)	--	--	--	--	--	--	--	ND (0.0038)	--
Cymene (p-Isopropyltoluene)	NA	--	--	ND (0.0028)	--	--	--	--	--	--	--	ND (0.0038)	--
Ethylbenzene	1	--	--	ND (0.0028)	--	--	--	--	--	--	--	ND (0.0038)	--
Isopropylbenzene (Cumene)	NA	--	--	ND (0.0028)	--	--	--	--	--	--	--	ND (0.0038)	--
m,p-Xylenes	NA	--	--	ND (0.0056)	--	--	--	--	--	--	--	ND (0.0076)	--
Methyl Tert Butyl Ether (MTBE)	0.93	--	--	ND (0.0028)	--	--	--	--	--	--	--	ND (0.0038)	--
Naphthalene	12	--	--	ND (0.0028)	--	--	--	--	--	--	--	ND (0.0038)	--
n-Butylbenzene	12	--	--	ND (0.0028)	--	--	--	--	--	--	--	ND (0.0038)	--
n-Propylbenzene	3.9	--	--	ND (0.0028)	--	--	--	--	--	--	--	ND (0.0038)	--
o-Xylene	NA	--	--	ND (0.0028)	--	--	--	--	--	--	--	ND (0.0038)	--
tert-Butylbenzene	5.9	--	--	ND (0.0028)	--	--	--	--	--	--	--	ND (0.0038)	--
Toluene	0.7	--	--	ND (0.0028)	--	--	--	--	--	--	--	ND (0.0038)	--
Xylene (Total)	0.26	--	--	ND (0.0084)	--	--	--	--	--	--	--	ND (0.011)	--

Notes:
A - Concentration exceeds the New York Unrestricted Use Soil Cleanup Objective
mg/kg: milligram per kilogram
--: 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 replicate
- For test methods used, see the laboratory data sheets.
- Shaded values indicate an exceedance of the Unrestricted Use Soil Cleanup Objective

TABLE V
TANK ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	New York Part 375 Unrestricted Use Soil Cleanup Objectives	UST-02-3 UST-02-3_7.5-8 23B0849-27 02/15/2023 N 7.5 - 8 (ft) UST	UST-02-3 UST-02-3_9.5-10 23B0849-31 02/15/2023 N 9.5 - 10 (ft) UST	UST-02-3 UST-02-3_11.5-12 23B0849-35 02/15/2023 N 11.5 - 12 (ft) UST	UST-02-4 UST-02-4_3.5-4 22K0371-04 11/07/2022 N 3.5 - 4 (ft) UST	UST-02-4 UST-02-4_3.5-4 22K0371-04RE1 11/07/2022 N 3.5 - 4 (ft) UST	UST-02-4 UST-02-4_5.5-6 23B0189-11 02/03/2023 N 5.5 - 6 (ft) UST	UST-02-4 UST-02-4_7.5-8 23B0849-28 02/15/2023 N 7.5 - 8 (ft) UST	UST-02-4 UST-02-4_9.5-10 23B0849-32 02/15/2023 N 9.5 - 10 (ft) UST	UST-02-4 UST-02-4_11.5-12 23B0849-36 02/15/2023 N 11.5 - 12 (ft) UST
Inorganic Compounds (mg/kg)										
Arsenic	13	--	--	--	10.1	--	--	--	--	--
Barium	350	--	--	--	250	--	--	--	--	--
Beryllium	7.2	--	--	--	0.166	--	--	--	--	--
Cadmium	2.5	--	--	--	0.522	--	--	--	--	--
Chromium	NA	--	--	--	17.9	--	--	--	--	--
Copper	50	--	--	--	87.9 ^[A]	--	52.9 ^[A]	97.9 J ^[A]	27.8	--
Lead	63	189 J ^[A]	112 ^[A]	28.4	767 ^[A]	--	105 ^[A]	603 J ^[A]	490 ^[A]	38.6
Manganese	1600	--	--	--	347	--	--	--	--	--
Mercury	0.18	--	0.447 ^[A]	0.171 J	0.705 ^[A]	--	0.44 ^[A]	0.282 ^[A]	0.359 ^[A]	0.0683 J
Nickel	30	--	--	--	16.5	--	--	--	--	--
Selenium	3.9	--	--	--	ND (2.47)	--	--	--	--	--
Silver	2	--	--	--	ND (0.498)	--	--	--	--	--
Zinc	109	229 J ^[A]	137 ^[A]	91.2	364 ^[A]	--	151 ^[A]	501 J ^[A]	104	--
Other (%)										
Percent Solids, weight		87.8	85.9 J	85.8 J	84.4	--	88.9	87.4	86.3 J	84.3 J
Semi-Volatile Organic Compounds (mg/kg)										
1,2,4,5-Tetrachlorobenzene	NA	--	--	--	ND (0.097)	--	--	--	--	--
1,2,4-Trichlorobenzene	NA	--	--	--	ND (0.0486)	--	--	--	--	--
1,2-Dichlorobenzene	1.1	--	--	--	ND (0.0486)	--	--	--	--	--
1,2-Diphenylhydrazine	NA	--	--	--	ND (0.0486)	--	--	--	--	--
1,3-Dichlorobenzene	2.4	--	--	--	ND (0.0486)	--	--	--	--	--
1,4-Dichlorobenzene	1.8	--	--	--	ND (0.0486)	--	--	--	--	--
1-Methylnaphthalene	NA	--	--	--	0.207	--	--	--	--	--
2,2'-oxybis(2-Chloropropane)	NA	--	--	--	ND (0.0486)	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	NA	--	--	--	ND (0.097)	--	--	--	--	--
2,4,5-Trichlorophenol	NA	--	--	--	ND (0.0486)	--	--	--	--	--
2,4,6-Trichlorophenol	NA	--	--	--	ND (0.0486)	--	--	--	--	--
2,4-Dichlorophenol	NA	--	--	--	ND (0.0486)	--	--	--	--	--
2,4-Dimethylphenol	NA	--	--	--	0.0504 J	--	--	--	--	--
2,4-Dinitrophenol	NA	--	--	--	ND (0.097)	--	--	--	--	--
2,4-Dinitrotoluene	NA	--	--	--	ND (0.0486)	--	--	--	--	--
2,6-Dinitrotoluene	NA	--	--	--	ND (0.0486)	--	--	--	--	--
2-Chloronaphthalene	NA	--	--	--	ND (0.0486)	--	--	--	--	--
2-Chlorophenol	NA	--	--	--	ND (0.0486)	--	--	--	--	--
2-Methylnaphthalene	NA	--	--	--	0.244	--	--	--	--	--
2-Methylphenol (o-Cresol)	0.33	--	--	--	ND (0.0486)	--	--	--	--	--
2-Nitroaniline	NA	--	--	--	ND (0.097)	--	--	--	--	--
2-Nitrophenol	NA	--	--	--	ND (0.0486)	--	--	--	--	--
3&4-Methylphenol	NA	--	--	--	0.0845 J	--	--	--	--	--
3,3'-Dichlorobenzidine	NA	--	--	--	ND (0.0486)	--	--	--	--	--
3-Nitroaniline	NA	--	--	--	ND (0.097)	--	--	--	--	--
4,6-Dinitro-2-methylphenol	NA	--	--	--	ND (0.097)	--	--	--	--	--
4-Bromophenyl phenyl ether (BDE-3)	NA	--	--	--	ND (0.0486)	--	--	--	--	--
4-Chloro-3-methylphenol	NA	--	--	--	ND (0.0486)	--	--	--	--	--
4-Chloroaniline	NA	--	--	--	ND (0.0486)	--	--	--	--	--

TABLE V
TANK ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	New York Part 375 Unrestricted Use Soil Cleanup Objectives	UST-02-3 UST-02-3_7.5-8 23B0849-27 02/15/2023 N 7.5 - 8 (ft) UST	UST-02-3 UST-02-3_9.5-10 23B0849-31 02/15/2023 N 9.5 - 10 (ft) UST	UST-02-3 UST-02-3_11.5-12 23B0849-35 02/15/2023 N 11.5 - 12 (ft) UST	UST-02-4 UST-02-4_3.5-4 22K0371-04 11/07/2022 N 3.5 - 4 (ft) UST	UST-02-4 UST-02-4_3.5-4 22K0371-04RE1 11/07/2022 N 3.5 - 4 (ft) UST	UST-02-4 UST-02-4_5.5-6 23B0189-11 02/03/2023 N 5.5 - 6 (ft) UST	UST-02-4 UST-02-4_7.5-8 23B0849-28 02/15/2023 N 7.5 - 8 (ft) UST	UST-02-4 UST-02-4_9.5-10 23B0849-32 02/15/2023 N 9.5 - 10 (ft) UST	UST-02-4 UST-02-4_11.5-12 23B0849-36 02/15/2023 N 11.5 - 12 (ft) UST
4-Chlorophenyl phenyl ether	NA	--	--	--	ND (0.0486)	--	--	--	--	--
4-Nitroaniline	NA	--	--	--	ND (0.097)	--	--	--	--	--
4-Nitrophenol	NA	--	--	--	ND (0.097)	--	--	--	--	--
Acenaphthene	20	--	--	--	0.37	--	ND (0.0467)	--	--	--
Acenaphthylene	100	--	--	--	--	5.71	0.21	--	--	--
Acetophenone	NA	--	--	--	ND (0.0486)	--	--	--	--	--
Aniline	NA	--	--	--	ND (0.194)	--	--	--	--	--
Anthracene	100	--	--	--	--	3.31	0.226	--	--	--
Atrazine	NA	--	--	--	ND (0.0486)	--	--	--	--	--
Benzaldehyde	NA	--	--	--	ND (0.0486)	--	--	--	--	--
Benzidine	NA	--	--	--	ND (0.194)	--	--	--	--	--
Benzo(a)anthracene	1	--	--	--	--	14.4 [A]	0.848	--	--	--
Benzo(a)pyrene	1	--	--	--	--	13.2 [A]	0.811	--	--	--
Benzo(b)fluoranthene	1	--	--	--	--	12.6 [A]	0.673	--	--	--
Benzo(g,h,i)perylene	100	--	--	--	--	6.2	0.583	--	--	--
Benzo(k)fluoranthene	0.8	--	--	--	--	13.6 [A]	0.728	--	--	--
Benzoic acid	NA	--	--	--	0.0486 R	--	--	--	--	--
Benzyl Alcohol	NA	--	--	--	ND (0.0486)	--	--	--	--	--
Biphenyl	NA	--	--	--	0.0706 J	--	--	--	--	--
bis(2-Chloroethoxy)methane	NA	--	--	--	ND (0.0486)	--	--	--	--	--
bis(2-Chloroethyl)ether	NA	--	--	--	ND (0.0486)	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	NA	--	--	--	ND (0.0486)	--	--	--	--	--
Butyl benzylphthalate (BBP)	NA	--	--	--	ND (0.0486)	--	--	--	--	--
Caprolactam	NA	--	--	--	ND (0.097)	--	--	--	--	--
Carbazole	NA	--	--	--	0.698	--	--	--	--	--
Chrysene	1	--	--	--	--	12.2 [A]	0.835	--	--	--
Dibenz(a,h)anthracene	0.33	--	--	--	--	2.66 [A]	0.19	--	--	--
Dibenzofuran	7	--	--	--	0.51	--	--	--	--	--
Diethyl phthalate	NA	--	--	--	ND (0.0486)	--	--	--	--	--
Dimethyl phthalate	NA	--	--	--	ND (0.0486)	--	--	--	--	--
Di-n-butylphthalate (DBP)	NA	--	--	--	ND (0.0486)	--	--	--	--	--
Di-n-octyl phthalate (DnOP)	NA	--	--	--	ND (0.0486)	--	--	--	--	--
Diphenylamine	NA	--	--	--	ND (0.097)	--	--	--	--	--
Ethyl Parathion	NA	--	--	--	ND (0.0486)	--	--	--	--	--
Fluoranthene	100	--	--	--	--	24.3	1.73	--	--	--
Fluorene	30	--	--	--	0.682	--	0.0626 J	--	--	--
Hexachlorobenzene	0.33	--	--	--	ND (0.0486)	--	--	--	--	--
Hexachlorobutadiene	NA	--	--	--	ND (0.0486)	--	--	--	--	--
Hexachlorocyclopentadiene	NA	--	--	--	ND (0.0486)	--	--	--	--	--
Hexachloroethane	NA	--	--	--	ND (0.0486)	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	0.5	--	--	--	--	6.26 [A]	0.496	--	--	--
Isophorone	NA	--	--	--	ND (0.0486)	--	--	--	--	--
Methylphenol (Cresol)	NA	--	--	--	0.116 J	--	--	--	--	--
Naphthalene	12	--	--	--	0.638	--	ND (0.0467)	--	--	--
Nitrobenzene	NA	--	--	--	ND (0.0486)	--	--	--	--	--
N-Nitrosodimethylamine	NA	--	--	--	ND (0.0486)	--	--	--	--	--
N-Nitrosodi-n-propylamine	NA	--	--	--	ND (0.0486)	--	--	--	--	--
N-Nitrosodiphenylamine	NA	--	--	--	ND (0.0486)	--	--	--	--	--

TABLE V
TANK ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	New York Part 375 Unrestricted Use Soil Cleanup Objectives	UST-02-3 UST-02-3_7.5-8 23B0849-27 02/15/2023 N 7.5 - 8 (ft) UST	UST-02-3 UST-02-3_9.5-10 23B0849-31 02/15/2023 N 9.5 - 10 (ft) UST	UST-02-3 UST-02-3_11.5-12 23B0849-35 02/15/2023 N 11.5 - 12 (ft) UST	UST-02-4 UST-02-4_3.5-4 22K0371-04 11/07/2022 N 3.5 - 4 (ft) UST	UST-02-4 UST-02-4_3.5-4 22K0371-04RE1 11/07/2022 N 3.5 - 4 (ft) UST	UST-02-4 UST-02-4_5.5-6 23B0189-11 02/03/2023 N 5.5 - 6 (ft) UST	UST-02-4 UST-02-4_7.5-8 23B0849-28 02/15/2023 N 7.5 - 8 (ft) UST	UST-02-4 UST-02-4_9.5-10 23B0849-32 02/15/2023 N 9.5 - 10 (ft) UST	UST-02-4 UST-02-4_11.5-12 23B0849-36 02/15/2023 N 11.5 - 12 (ft) UST
Pentachloronitrobenzene	NA	--	--	--	ND (0.097)	--	--	--	--	--
Pentachlorophenol	0.8	--	--	--	ND (0.0486)	--	--	--	--	--
Phenanthrene	100	--	--	--	--	7.85	1.04	--	--	--
Phenol	0.33	--	--	--	0.0535 J	--	--	--	--	--
Propargite	NA	--	--	--	ND (0.194)	--	--	--	--	--
Pyrene	100	--	--	--	--	18.8	1.49	--	--	--
Pyridine	NA	--	--	--	ND (0.194)	--	--	--	--	--
Resorcinol	NA	--	--	--	ND (0.194)	--	--	--	--	--
Volatile Organic Compounds (mg/kg)										
1,2,4-Trimethylbenzene	3.6	--	--	--	ND (0.0028)	--	--	--	--	--
1,3,5-Trimethylbenzene	8.4	--	--	--	ND (0.0028)	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	11	--	--	--	ND (0.0028)	--	--	--	--	--
Benzene	0.06	--	--	--	ND (0.0028)	--	--	--	--	--
Cymene (p-Isopropyltoluene)	NA	--	--	--	ND (0.0028)	--	--	--	--	--
Ethylbenzene	1	--	--	--	ND (0.0028)	--	--	--	--	--
Isopropylbenzene (Cumene)	NA	--	--	--	ND (0.0028)	--	--	--	--	--
m,p-Xylenes	NA	--	--	--	ND (0.0056)	--	--	--	--	--
Methyl Tert Butyl Ether (MTBE)	0.93	--	--	--	ND (0.0028)	--	--	--	--	--
Naphthalene	12	--	--	--	ND (0.0028)	--	--	--	--	--
n-Butylbenzene	12	--	--	--	ND (0.0028)	--	--	--	--	--
n-Propylbenzene	3.9	--	--	--	ND (0.0028)	--	--	--	--	--
o-Xylene	NA	--	--	--	ND (0.0028)	--	--	--	--	--
tert-Butylbenzene	5.9	--	--	--	ND (0.0028)	--	--	--	--	--
Toluene	0.7	--	--	--	ND (0.0028)	--	--	--	--	--
Xylene (Total)	0.26	--	--	--	ND (0.0084)	--	--	--	--	--

Notes:
A - Concentration exceeds the New York Unrestricted Use Soil Cleanup Objective
mg/kg: milligram per kilogram
--: 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 report
- For test methods used, see the laboratory data sheets.
- Shaded values indicate an exceedance of the Unrestricted Use Soil Cleanup Objective

TABLE VI
OFFSITE SOIL/WASTE DISPOSAL VOLUMES AND FACILITIES
 138 BRUCKNER BOULEVARD SITE
 138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Facility	Grid	Soil Classification	Tonnage	Total Tonnage	Estimated Cubic Yards	Estimated Total Cubic Yards
Keystone Trading Center Fairless Hills, PA	A-1	-	0	0	0	0
	A-2	-	0	0	0	0
	A-3	-	0	0	0	0
	A-4	-	0	0	0	0
	A-5	-	0	0	0	0
	A-6	-	0	0	0	0
	A-7	-	0	0	0	0
	A-8	-	0	0	0	0
	B-1	Non-Hazardous Contaminated	320.78	320.78	210	210
	B-2	Non-Hazardous Contaminated	228.51	228.51	150	150
	B-3	Non-Hazardous Contaminated	563.76	563.76	380	380
	B-4	Non-Hazardous Contaminated	278.81	278.81	190	190
	B-5	-	0	0	0	0
Bayshore Soil Management Keasbey, NJ	A-1	Non-Hazardous Contaminated	4,688.02	4,688.02	3,100	3,100
	A-2	Non-Hazardous Contaminated	2,555.58	2,555.58	1,700	1,700
	A-3	Non-Hazardous Contaminated	5,076.47	5,076.47	3,400	3,400
	A-4	Non-Hazardous Contaminated	3,847.91	3,847.91	2,600	2,600
	A-5	Non-Hazardous Contaminated	4,751.30	4,751.30	3,200	3,200
	A-6	Non-Hazardous Contaminated	4,745.85	4,745.85	3,200	3,200
	A-7	Non-Hazardous Contaminated	5,001.57	5,001.57	3,300	3,300
	A-8	Non-Hazardous Contaminated	7,179.55	7,179.55	4,800	4,800
	B-1	Non-Hazardous Contaminated	769.40	769.40	500	500
	B-2	Non-Hazardous Contaminated	3,876.27	3,876.27	2,600	2,600
	B-3	Non-Hazardous Contaminated	6,007.49	6,007.49	4,000	4,000
	B-4	Non-Hazardous Contaminated	4,917.31	4,917.31	3,300	3,300
	B-5	-	0	0	0	0

TABLE VI
OFFSITE SOIL/WASTE DISPOSAL VOLUMES AND FACILITIES
 138 BRUCKNER BOULEVARD SITE
 138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Facility	Grid	Soil Classification	Tonnage	Total Tonnage	Estimated Cubic Yards	Estimated Total Cubic Yards
NJ Zinc (West Plant Site) Palmerton, PA	A-1	Non-Hazardous Contaminated	528.27	528.27	350	350
	A-2	Non-Hazardous Contaminated	1,942.62	1,942.62	1,300	1,300
	A-3	Non-Hazardous Contaminated	203.53	203.53	140	140
	A-4	Non-Hazardous Contaminated	1,497.00	1,497.00	1,000	1,000
	A-5	Non-Hazardous Contaminated	173.36	173.36	120	120
	A-6	Non-Hazardous Contaminated	109.77	109.77	70	70
	A-7	Non-Hazardous Contaminated	850.43	850.43	570	570
	A-8	Non-Hazardous Contaminated	170.50	170.50	110	110
	B-1	Non-Hazardous Contaminated	135.56	135.56	90	90
	B-2	Non-Hazardous Contaminated	247.29	247.29	160	160
	B-3	Non-Hazardous Contaminated	1,006.10	1,006.10	670	670
	B-4	Non-Hazardous Contaminated	756.71	756.71	500	500
Old Bridge Redevelopment Old Bridge, NJ	B-5	-	0	0	0	0
	A-1	Non-Hazardous Contaminated	519.75	1,170.00	350	780
		Uncontaminated Native Soil	650.25		430	
	A-2	Non-Hazardous Contaminated	781.50	3,780.00	520	2,500
		Uncontaminated Native Soil	2,998.50		2,000	
	A-3	Non-Hazardous Contaminated	760.88	1,470.00	510	1,000
		Uncontaminated Native Soil	709.13		470	
	A-4	Non-Hazardous Contaminated	729.50	2,700.00	490	1,800
		Uncontaminated Native Soil	1,970.50		1,300	
	A-5	Non-Hazardous Contaminated	75.00	300.00	50	200
		Uncontaminated Native Soil	225.00		150	
	A-6	Non-Hazardous Contaminated	160.00	960.00	110	640
		Uncontaminated Native Soil	800.00		530	
	A-7	Non-Hazardous Contaminated	151.88	270.00	100	180
		Uncontaminated Native Soil	118.13		80	
	A-8	-	0	0	0	0
		-	0		0	
	B-1	Non-Hazardous Contaminated	422.00	4,590.00	280	3,100
		Uncontaminated Native Soil	4,168.00		2,800	
	B-2	Non-Hazardous Contaminated	180.00	3,330.00	120	2,200
		Uncontaminated Native Soil	3,150.00		2,100	
	B-3	-	0	0	0	0
		-	0		0	
	B-4	Non-Hazardous Contaminated	757.50	3,030.00	510	2,000
		Uncontaminated Native Soil	2,272.50		1,500	
	B-5	Non-Hazardous Contaminated	0	1,980.00	0	1,300
		Uncontaminated Native Soil	1,980.00		1,300	

TABLE VI
OFFSITE SOIL/WASTE DISPOSAL VOLUMES AND FACILITIES
 138 BRUCKNER BOULEVARD SITE
 138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Facility	Grid	Soil Classification	Tonnage	Total Tonnage	Estimated Cubic Yards	Estimated Total Cubic Yards
Clean Earth of North Jersey Kearny, NJ	A-1	Hazardous Contaminated Soil	51.22	51.22	30	30
	A-2	-	0	0	0	0
	A-3	-	0	0	0	0
	A-4	-	0	0	0	0
	A-5	-	0	0	0	0
	A-6	-	0	0	0	0
	A-7	-	0	0	0	0
	A-8	-	0	0	0	0
	B-1	-	0	0	0	0
	B-2	-	0	0	0	0
	B-3	-	0	0	0	0
	B-4	-	0	0	0	0
	B-5	-	0	0	0	0
			Tons		Cubic Yards	
Total Non-Hazardous Contaminated:			66,967.72		44,600	
Total Hazardous Contaminated Soil:			51.22		30	
Total Remedial:			67,018.94		44,700	
Total Uncontaminated Native Soil:			19,042.00		12,700	
Total:			86,060.94		57,400	

Notes:

1. See Figures 5 and 8 for remedial excavation depths and development excavation depths.
2. Old Bridge Redevelopment did not have a weight scale, each load assumed to have 30 tons based on 20 cubic yards and a conversion factor of 1.5 tons/cubic yard is assumed for all volumes.
3. Due to rounding, individual estimated cubic yards may not add up to total cubic yards.

TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location	Sample Name	NY Part 375	EP-01	EP-01	EP-01	EP-01	EP-01	EP-01	EP-01	EP-02	EP-02	EP-02	EP-03	EP-03	EP-03	EP-04	EP-05
Sample Name	Lab Sample ID	Unrestricted Use	EP-01_8-8.5	EP-01_10-10.5	EP-01_12-12.5	EP-01_14-14.5	DUP-12-031323	EP-01_16-16.5	EP-01_16-16.5	EP-02_8-8.5	EP-02_10-10.5	EP-02_12-12.5	EP-03_8-8.5	EP-03_8-8.5	EP-03_10-10.5	EP-04_8-8.5	EP-05_8-8.5
Sample Date	Soil Cleanup	Soil Cleanup	23B0299-01	23B0299-02	23B0299-03	23C0750-01	23C0750-04	23C0750-02	23C0750-03	23B0299-04	23B0299-05	23B0299-06	23C1774-01	23C1774-01RE1	23C1774-02	23C1293-01	23C1293-04
Sample Type	Objectives	Objectives - PFAS	Primary	Primary	Primary	Primary	Duplicate	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Sample Depth (bgs)			8 - 8.5 (ft)	10 - 10.5 (ft)	12 - 12.5 (ft)	14 - 14.5 (ft)	14 - 14.5 (ft)	16 - 16.5 (ft)	16 - 16.5 (ft)	8 - 8.5 (ft)	10 - 10.5 (ft)	12 - 12.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	10 - 10.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)
Description			FILL	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL	FILL
Inorganic Compounds (mg/kg)																	
Aluminum			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Antimony			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	13		2.78	4.67	--	--	--	--	--	6.59	--	--	ND (1.47)	--	--	2.52	2.22
Barium	350		69.2	78.4	--	--	--	--	--	152	--	--	19.7	--	--	42.3	49.4
Beryllium	7.2		0.798	1.12	--	--	--	--	--	1.07	--	--	0.674	--	--	0.52	0.484
Cadmium	2.5		ND (0.31)	1.61	--	--	--	--	--	0.606	--	--	0.345	--	--	ND (0.32)	ND (0.289)
Calcium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium			17.1	25.8	--	--	--	--	--	26.8	--	--	11.2	--	--	16.6	17.8
Cobalt			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	50		17	42.6	--	--	--	--	--	99.5	35.5	--	3.73 J	--	--	11.2	16.9
Iron			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	63		30.8	48.5	--	--	--	--	--	140	179	11.9	4.54	--	--	11	8.06
Magnesium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	1600		486	757	--	--	--	--	--	633	--	--	214 J+	--	--	284 J-	324 J-
Mercury	0.18		0.123 J	0.288 J+	0.344 J-	0.198 J	0.122 J	0.18	0.244 J	0.0958 J+	--	--	ND (0.0353)	--	--	ND (0.0384)	ND (0.0346)
Nickel	30		17	23.7	--	--	--	--	29	--	--	--	4.92	--	--	16.1	16.4
Potassium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	3.9		ND (2.58) J	ND (2.32) J	--	--	--	--	ND (2.86) J	--	--	--	18.1	--	ND (1.96)	ND (2.67) J	ND (2.41) J
Silver	2		ND (0.521)	ND (0.467)	--	--	--	--	ND (0.576)	--	--	--	ND (0.494)	--	--	ND (0.538)	ND (0.485)
Sodium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	109		51.6	314	68.2	--	--	--	198	93.9	--	--	11.4	--	--	32.5	36.3
Other (%)																	
Percent Solids, weight			80.6	90 J	86.8	42.4	52.8	52.7 J	72.9	77.2 J	90.1 J	85	--	88.6 J	78.1	86.6	
Pesticides (mg/kg)																	
4,4'-DDD	0.0033		ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	ND (0.00214)	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
4,4'-DDE	0.0033		ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	ND (0.00214)	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
4,4'-DDT	0.0033		ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	ND (0.00214)	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
Aldrin	0.005		ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	--	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
alpha-BHC	0.02		ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	--	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
alpha-Chlordane (cis)	0.094		ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	--	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
beta-BHC	0.036		ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	--	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	0.04		ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	--	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
Dieldrin	0.005		ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	--	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
Endosulfan I	2.4		ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	--	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
Endosulfan II	2.4		ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	--	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
Endosulfan sulfate	2.4		ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	--	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
Endrin	0.014		ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	--	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
Endrin aldehyde			ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	--	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
Endrin ketone			ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	--	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
gamma-BHC (Lindane)	0.1		ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	--	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
gamma-Chlordane (trans)			ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	--	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
Heptachlor	0.042		ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	--	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
Heptachlor epoxide			ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	--	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
Methoxychlor			ND (0.002)	ND (0.00183)	--	--	--	--	ND (0.00447)	--	--	--	ND (0.0019)	--	--	ND (0.00209)	ND (0.00188)
Toxaphene			ND (0.2)	ND (0.183)	--	--	--	--	ND (0.447)	--	--	--	ND (0.19)	--	--	ND (0.209)	ND (0.188)
PFAS (mg/kg)																	
6:2 Fluorotelomer sulfonic acid (6:2 FTS)			ND (0.000309)	ND (0.000275) J	--	--	--	--	ND (0.000321) J	--	--	--	ND (0.000287) J	--	--	ND (0.000307)	ND (0.000272)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)			ND (0.000309)	ND (0.000275) J	--	--	--	--	ND (0.000321) J	--	--	--	ND (0.000287) J	--	--	ND (0.000307)	ND (0.000272)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)			ND (0.000309)	ND (0.000275) J	--	--	--	--	ND (0.000321)	--	--	--	ND (0.000287) J	--	--	ND (0.000307)	ND (0.000272)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)			ND (0.000309)	ND (0.000275) J	--	--	--	--	ND (0.000321)	--	--	--	ND (0.000287) J	--	--	ND (0.000307)	ND (0.000272)
Perfluorobutanesulfonic acid (PFBS)			ND (0.000309)	ND (0.000275) J	--	--	--	--	ND (0.000321)	--	--	--	ND (0.000287) J	--	--	ND (0.000307)	ND (0.000272)
Perfluorobutanoic acid (PFBA)			ND (0.000309)	ND (0.000275) J	--	--	--	--	ND (0.000321)	--	--	--	ND (0.000287) J	--	--	ND (0.000307)	ND (0.000272)
Perfluorodecanesulfonic acid (PFDS)			ND (0.000309) J	ND (0.000275) J	--	--	--	--	ND (0.000321) J	--	--	--	ND (0.000287) J	--	--	ND (0.000307)	ND (0.000272)
Perfluorodecanoic acid (PFDA)			ND (0.000309)	ND (0.000275) J	--	--	--	--	ND (0.000321)	--	--	--	ND (0.000287) J	--	--	ND (0.000307) J	ND (0.000272) J
Perfluorododecanoic acid (PFDoDA)			ND (0.000309)	ND (0.000275) J	--	--	--	--	ND (0.000321)	--	--	--	ND (0.000287) J	--	--	ND (0.000307)	ND (0.000272)
Perfluoroheptanesulfonic acid (PFHpS)			ND (0.000309)	ND (0.000275)	--	--	--	--	ND (0.000321)	--	--	--	ND (0.000287) J	--	--	ND (0.000307) J	ND (0.000272) J
Perfluoroheptanoic acid (PFHpA)			ND (0.000309)	ND (0.000275) J	--	--	--	--	ND (0.000321)	--	--	--	ND (0.000287) J	--	--	ND (0.000307) J	ND (0.000272) J
Perfluorohexanesulfonic acid (PFHxS)			ND (0.000309)	ND (0.000275) J	--	--	--	--	ND (0.000321)	--	--	--	ND (0.000287) J	--	--	ND (0.000307) J	ND (0.000272) J
Perfluorohexanoic acid (PFHxA)			ND (0.000309)	ND (0.000275) J	--	--	--	--	ND (0.000321)	--	--	--	ND (0.000287) J	--	--	ND (0.000307)	ND (0.000272)
Perfluorononanoic acid (PFNA)			ND (0.000309)	ND (0.000275) J	--	--	--	--	ND (0.000321)	--	--	--	ND (0.000287) J	--	--	ND (0.000307)	ND (0.000272)
Perfluorooctane sulfonamide (PFOSA)			ND (0.000309)	ND (0.000275) J	--	--	--	--	ND (0.000321)	--	--	--	ND (0.000287) J	--	--	ND (0.000307)	ND (0.000272)
Perfluorooctanesulfonic acid (PFOS)		0.00088	ND (0.000309)	ND (0.000275) J	--	--	--	--	ND (0.000321)	--	--	--	ND (0.000287) J	--	--	ND (0.000307)	ND (0.000272)
Perfluorooctanoic acid (PFOA)		0.00066	ND (0.000309)	ND (0.000275) J	--	--	--	--	ND (0.000321) J	--	--	--	ND (0.000287)	--	--	ND (0.000307)	ND (0.000272)
Perfluoropentanoic acid (PFPeA)																	

TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location	NY Part 375	NY Part 375	EP-01	EP-01	EP-01	EP-01	EP-01	EP-01	EP-02	EP-02	EP-02	EP-03	EP-03	EP-03	EP-04	EP-05
Sample Name	Unrestricted Use	Unrestricted Use	EP-01_8-8.5	EP-01_10-10.5	EP-01_12-12.5	EP-01_14-14.5	DUP-12-031323	EP-01_16-16.5	EP-02_8-8.5	EP-02_10-10.5	EP-02_12-12.5	EP-03_8-8.5	EP-03_8-8.5	EP-03_10-10.5	EP-04_8-8.5	EP-05_8-8.5
Lab Sample ID	Soil Cleanup	Soil Cleanup	23B0299-01	23B0299-02	23B0299-03	23C0750-01	23C0750-04	23C0750-02	23B0299-04	23B0299-05	23B0299-06	23C1774-01	23C1774-01RE1	23C1774-02	23C1293-01	23C1293-04
Sample Date	Objectives	Objectives - PFAS	02/06/2023	02/06/2023	02/06/2023	03/13/2023	03/13/2023	03/13/2023	02/06/2023	02/06/2023	02/06/2023	03/29/2023	03/29/2023	03/29/2023	03/22/2023	03/22/2023
Sample Type			Primary	Primary	Primary	Primary	Duplicate	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Sample Depth (bgs)			8 - 8.5 (ft)	10 - 10.5 (ft)	12 - 12.5 (ft)	14 - 14.5 (ft)	14 - 14.5 (ft)	16 - 16.5 (ft)	8 - 8.5 (ft)	10 - 10.5 (ft)	12 - 12.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	10 - 10.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)
Description			FILL	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL	FILL
Semi-Volatile Organic Compounds (mg/kg)																
1,2,4,5-Tetrachlorobenzene	1.1		ND (0.101)	ND (0.0924)	--	--	--	--	ND (0.113)	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
1,2-Dichlorobenzene			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
1,2-Diphenylhydrazine			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
1,3-Dichlorobenzene	2.4		ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1.8		ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
1,4-Dioxane	0.1		ND (0.0185)	ND (0.0185)	--	--	--	--	ND (0.0196)	--	--	ND (0.0196)	--	--	ND (0.0192)	ND (0.0198)
1-Methylnaphthalene			ND (0.101)	ND (0.0924)	--	--	--	--	ND (0.113)	--	--	--	--	--	--	--
2,2'-oxybis(1-Chloropropane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2'-oxybis(2-Chloropropane)			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol			ND (0.101)	ND (0.0924)	--	--	--	--	ND (0.113)	--	--	--	--	--	--	--
2,4,5-Trichlorophenol			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
2,4,6-Trichlorophenol			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
2,4-Dichlorophenol			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
2,4-Dimethylphenol			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
2,4-Dinitrophenol			ND (0.101)	ND (0.0924)	--	--	--	--	ND (0.113)	--	--	--	--	--	--	--
2,4-Dinitrotoluene			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
2,6-Dinitrotoluene			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
2-Chloronaphthalene			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
2-Chlorophenol			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
2-Methylnaphthalene			ND (0.0507)	0.0547 J	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	0.33		ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	ND (0.0241)	--	--	ND (0.0522)	ND (0.0473)
2-Nitroaniline			ND (0.101)	ND (0.0924)	--	--	--	--	ND (0.113)	--	--	--	--	--	--	--
2-Nitrophenol			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
3&4-Methylphenol			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	ND (0.0241)	--	--	ND (0.0522)	ND (0.0473)
3,3'-Dichlorobenzidine			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
3-Nitroaniline			ND (0.101)	ND (0.0924)	--	--	--	--	ND (0.113)	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol			ND (0.101)	ND (0.0924)	--	--	--	--	ND (0.113)	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether (BDE-3)			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
4-Chloro-3-methylphenol			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
4-Chloroaniline			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
4-Nitroaniline			ND (0.101)	ND (0.0924)	--	--	--	--	ND (0.113)	--	--	--	--	--	--	--
4-Nitrophenol			ND (0.101)	ND (0.0924)	--	--	--	--	ND (0.113)	--	--	--	--	--	--	--
Acenaphthene	20		ND (0.0507)	0.0473 J	--	--	--	--	ND (0.0564)	--	--	ND (0.0241)	--	--	ND (0.0522)	ND (0.0473)
Acenaphthylene	100		ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	ND (0.0241)	--	--	ND (0.0522)	ND (0.0473)
Acetophenone			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
Aniline			ND (0.202)	ND (0.185)	--	--	--	--	ND (0.225)	--	--	--	--	--	--	--
Anthracene	100		ND (0.0507)	0.0864 J	--	--	--	--	ND (0.0564)	--	--	ND (0.0241)	--	--	ND (0.0522)	ND (0.0473)
Atrazine			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
Benzaldehyde			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
Benzidine			ND (0.202)	ND (0.185)	--	--	--	--	ND (0.225)	--	--	--	--	--	--	--
Benzo(a)anthracene	1		ND (0.0507)	0.369	--	--	--	--	0.218	--	--	ND (0.0241)	--	--	ND (0.0522)	ND (0.0473)
Benzo(a)pyrene	1		ND (0.0507)	0.272	--	--	--	--	0.187	--	--	ND (0.0241)	--	--	ND (0.0522)	ND (0.0473)
Benzo(b)fluoranthene	1		ND (0.0507)	0.221	--	--	--	--	0.169	--	--	ND (0.0241)	--	--	ND (0.0522)	ND (0.0473)
Benzo(g,h,i)perylene	100		ND (0.0507)	0.165	--	--	--	--	0.115	--	--	ND (0.0241)	--	--	ND (0.0522)	ND (0.0473)
Benzo(k)fluoranthene	0.8		ND (0.0507)	0.194	--	--	--	--	0.149	--	--	ND (0.0241)	--	--	ND (0.0522)	ND (0.0473)
Benzoic acid			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
Benzyl Alcohol			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
Biphenyl			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
Butyl benzylphthalate (BBP)			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
Caprolactam			ND (0.101)	ND (0.0924)	--	--	--	--	ND (0.113)	--	--	--	--	--	--	--
Carbazole			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
Chrysene	1		ND (0.0507)	0.426	--	--	--	--	0.219	--	--	ND (0.0241)	--	--	ND (0.0522)	ND (0.0473)
Dibenz(a,h)anthracene	0.33		ND (0.0507)	0.0465 J	--	--	--	--	ND (0.0564)	--	--	ND (0.0241)	--	--	ND (0.0522)	ND (0.0473)
Dibenzofuran	7		ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	ND (0.0241)	--	--	ND (0.0522)	ND (0.0473)
Diethyl phthalate			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
Dimethyl phthalate			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
Di-n-butylphthalate (DBP)			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
Di-n-octyl phthalate (DnOP)			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
Diphenylamine			ND (0.101)	ND (0.0924)	--	--	--	--	ND (0.113)	--	--	--	--	--	--	--
Ethyl Parathion			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
Fluoranthene	100		ND (0.0507)	0.522	--	--	--	--	0.425	--	--	ND (0.0241)	--	--	ND (0.0522)	ND (0.0473)
Fluorene	30		ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	ND (0.0241)	--	--	ND (0.0522)	ND (0.0473)
Hexachlorobenzene	0.33		ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	ND (0.0241)	--	--	ND (0.0522)	ND (0.0473)
Hexachlorobutadiene			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
Hexachlorocyclopentadiene			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
Hexachloroethane			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	0.5		ND (0.0507)	0.168	--	--	--	--	0.127	--	--	ND (0.0241)	--	--	ND (0.0522)	ND (0.0473)
Isophorone			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--
Methylphenol (Cresol)			ND (0.101)	ND (0.0924)	--	--										

TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	NY Part 375 Unrestricted Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives - PFAS	EP-01 EP-01_8-8.5 23B0299-01 02/06/2023 Primary 8 - 8.5 (ft) FILL	EP-01 EP-01_10-10.5 23B0299-02 02/06/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-01 EP-01_12-12.5 23B0299-03 02/06/2023 Primary 12 - 12.5 (ft) FILL/PIM	EP-01 EP-01_14-14.5 23C0750-01 03/13/2023 Primary 14 - 14.5 (ft) FILL/PIM	EP-01 DUP-12-031323 23C0750-04 03/13/2023 Duplicate 14 - 14.5 (ft) FILL/PIM	EP-01 EP-01_16-16.5 23C0750-02 03/13/2023 Primary 16 - 16.5 (ft) FILL/PIM	EP-02 EP-02_8-8.5 23B0299-04 02/06/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-02 EP-02_10-10.5 23B0299-05 02/06/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-02 EP-02_12-12.5 23B0299-06 02/06/2023 Primary 12 - 12.5 (ft) FILL/PIM	EP-03 EP-03_8-8.5 23C1774-01 03/29/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-03 EP-03_8-8.5 23C1774-01RE1 03/29/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-03 EP-03_10-10.5 23C1774-02 03/29/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-04 EP-04_8-8.5 23C1293-01 03/22/2023 Primary 8 - 8.5 (ft) FILL	EP-05 EP-05_8-8.5 23C1293-04 03/22/2023 Primary 8 - 8.5 (ft) FILL	
Nitrobenzene			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--	--
N-Nitrosodimethylamine			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine			ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	--	--	--	--	--	--
Pentachloronitrobenzene			ND (0.101)	ND (0.0924)	--	--	--	--	ND (0.113)	--	--	--	--	--	--	--	--
Pentachlorophenol	0.8		ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	ND (0.0241)	--	--	--	ND (0.0522)	ND (0.0473)
Phenanthrene	100		ND (0.0507)	0.648	--	--	--	--	0.292	--	--	ND (0.0241)	--	--	--	ND (0.0522)	ND (0.0473)
Phenol	0.33		ND (0.0507)	ND (0.0463)	--	--	--	--	ND (0.0564)	--	--	ND (0.0241)	--	--	--	ND (0.0522)	ND (0.0473)
Propargite			ND (0.202)	ND (0.185)	--	--	--	--	ND (0.225)	--	--	--	--	--	--	--	--
Pyrene	100		ND (0.0507)	0.835	--	--	--	--	0.415	--	--	ND (0.0241)	--	--	--	ND (0.0522)	ND (0.0473)
Pyridine			ND (0.202)	ND (0.185)	--	--	--	--	ND (0.225)	--	--	--	--	--	--	--	--
Resorcinol			ND (0.202)	ND (0.185)	--	--	--	--	ND (0.225)	--	--	--	--	--	--	--	--
Volatile Organic Compounds (mg/kg)																	
1,1,1-Trichloroethane	0.68		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003) J	--	--	--	ND (0.0025)	ND (0.0031)
1,1-Dichloroethane	0.27		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003) J	--	--	--	ND (0.0025)	ND (0.0031)
1,1-Dichloroethene	0.33		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003) J	--	--	--	ND (0.0025)	ND (0.0031)
1,2,4-Trimethylbenzene	3.6		ND (0.0031)	ND (0.0024) J	--	--	--	--	ND (0.0033)	--	--	ND (0.003)	--	--	--	ND (0.0025)	ND (0.0031)
1,2-Dichlorobenzene	1.1		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003) J	--	--	--	ND (0.0025)	ND (0.0031)
1,2-Dichloroethane	0.02		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003)	--	--	--	ND (0.0025)	ND (0.0031)
1,3,5-Trimethylbenzene	8.4		ND (0.0031)	ND (0.0024) J	--	--	--	--	ND (0.0033)	--	--	ND (0.003)	--	--	--	ND (0.0025)	ND (0.0031)
1,3-Dichlorobenzene	2.4		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003) J	--	--	--	ND (0.0025)	ND (0.0031)
1,4-Dichlorobenzene	1.8		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003) J	--	--	--	ND (0.0025)	ND (0.0031)
1,4-Dioxane	0.1		ND (0.062)	ND (0.048)	--	--	--	--	ND (0.067)	--	--	ND (0.059)	--	--	--	ND (0.05)	ND (0.061)
2-Butanone (Methyl Ethyl Ketone)	0.12		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003)	--	--	--	0.0041 J	ND (0.0031)
2-Phenylbutane (sec-Butylbenzene)	11		ND (0.0031)	ND (0.0024) J	--	--	--	--	ND (0.0033)	--	--	ND (0.003)	--	--	--	ND (0.0025)	ND (0.0031)
Acetone	0.05		ND (0.0062)	0.012	--	--	--	--	ND (0.0067)	--	--	ND (0.012)	--	--	--	0.035	ND (0.0061)
Benzene	0.06		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003) J	--	--	--	ND (0.0025)	ND (0.0031)
Carbon tetrachloride	0.76		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003) J	--	--	--	ND (0.0025)	ND (0.0031)
Chlorobenzene	1.1		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003) J	--	--	--	ND (0.0025)	ND (0.0031)
Chloroform (Trichloromethane)	0.37		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003) J	--	--	--	ND (0.0025)	ND (0.0031)
cis-1,2-Dichloroethene	0.25		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003) J	--	--	--	ND (0.0025)	ND (0.0031)
Cymene (p-Isopropyltoluene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	1		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003) J	--	--	--	ND (0.0025)	ND (0.0031)
Isopropylbenzene (Cumene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylenes			ND (0.0062)	ND (0.0048)	--	--	--	--	ND (0.0067)	--	--	ND (0.0059) J	--	--	--	ND (0.005)	ND (0.0061)
Methyl Tert Butyl Ether (MTBE)	0.93		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003)	--	--	--	ND (0.0025)	ND (0.0031)
Methylene chloride (Dichloromethane)	0.05		ND (0.0062)	0.0048 J	--	--	--	--	ND (0.0067)	--	--	--	2	ND (0.0055)	--	ND (0.005)	ND (0.0061)
Naphthalene	12		ND (0.0031) J	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003)	--	--	--	0.039	ND (0.0031)
n-Butylbenzene	12		ND (0.0031)	ND (0.0024) J	--	--	--	--	ND (0.0033)	--	--	ND (0.003)	--	--	--	ND (0.0025)	ND (0.0031)
n-Propylbenzene	3.9		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003)	--	--	--	ND (0.0025)	ND (0.0031)
o-Xylene			ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003) J	--	--	--	ND (0.0025)	ND (0.0031)
tert-Butylbenzene	5.9		ND (0.0031)	ND (0.0024) J	--	--	--	--	ND (0.0033)	--	--	ND (0.003)	--	--	--	ND (0.0025)	ND (0.0031)
Tetrachloroethene	1.3		ND (0.0031)	ND (0.0024) J	--	--	--	--	ND (0.0033)	--	--	ND (0.003) J	--	--	--	ND (0.0025)	ND (0.0031)
Toluene	0.7		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003) J	--	--	--	ND (0.0025)	ND (0.0031)
trans-1,2-Dichloroethene	0.19		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003) J	--	--	--	ND (0.0025)	ND (0.0031)
Trichloroethene	0.47		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003) J	--	--	--	ND (0.0025)	ND (0.0031)
Vinyl chloride	0.02		ND (0.0031)	ND (0.0024)	--	--	--	--	ND (0.0033)	--	--	ND (0.003) J	--	--	--	ND (0.0025)	ND (0.0031)
Xylene (Total)	0.26		ND (0.0092)	ND (0.0072)	--	--	--	--	ND (0.01)	--	--	ND (0.0089)	--	--	--	ND (0.0075)	ND (0.0092)

Notes:
mg/kg: milligram per kilogram
--: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated
J+: Value is estimated, biased high
J-: Value is estimated, biased low
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.
- Shaded values indicate an exceedance of the Unrestricted Use Soil Cleanup Objectives

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TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	NY Part 375 Unrestricted Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives - PFAS	EP-06 EP-06_8-8.5 23B0576-06 02/09/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-06 EP-06_10-10.5 23B0576-07 02/09/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-07 EP-07_8-8.5 23B0299-07 02/06/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-08 EP-08_8-8.5 23C1293-07 03/22/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-08 EP-08_10-10.5 23C1293-08 03/22/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-09 EP-09_8-8.5 23C1187-01 03/21/2023 Primary 8 - 8.5 (ft) FILL	EP-09 DUP-15-032123 23C1187-08 03/21/2023 Duplicate 8 - 8.5 (ft) FILL	EP-09 EP-09_10-10.5 23C1187-02 03/21/2023 Primary 10 - 10.5 (ft) FILL	EP-10 EP-10_8-8.5 23C1187-04 03/21/2023 Primary 8 - 8.5 (ft) FILL	EP-11 EP-11_8-8.5 23B0299-10 02/06/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-11 EP-11_8-8.5 23B0299-10RE1 02/06/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-11 EP-11_8-8.5 23B0299-10RE2 02/06/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-11 EP-11_10-10.5 23B0299-11 02/06/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-11 EP-11_12-12.5 23B0299-12 02/06/2023 Primary 12 - 12.5 (ft) FILL/PIM	EP-11 EP-11_14-14.5 23B0709-13 02/13/2023 Primary 14 - 14.5 (ft) FILL/PIM	EP-12 EP-12_8-8.5 23B0609-01 02/09/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-12 EP-12_10-10.5 23B0609-02 02/09/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-12 EP-12_12-12.5 23B0609-03 02/09/2023 Primary 12 - 12.5 (ft) FILL/PIM	EP-13 EP-13_8-8.5 23C1043-01 03/16/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-13 DUP-14-031723 23C1043-07 03/17/2023 Duplicate 8 - 8.5 (ft) FILL/PIM		
Semi-Volatile Organic Compounds (mg/kg)																								
1,2,4,5-Tetrachlorobenzene	1.1		ND (0.102)	--	ND (0.0929)	--	--	--	--	--	--	ND (0.0958)	--	--	--	--	--	--	ND (0.0968)	--	--	--	--	
1,2,4-Trichlorobenzene			ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--	
1,2-Dichlorobenzene			ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--	
1,2-Diphenylhydrazine			ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--	
1,3-Dichlorobenzene	2.4		ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--	
1,4-Dichlorobenzene	1.8		ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--	
1,4-Dioxane	0.1		ND (0.0185)	--	ND (0.0194)	ND (0.0185)	--	ND (0.0198)	--	--	ND (0.019)	ND (0.0185)	--	--	--	--	--	--	ND (0.0194)	--	--	ND (0.0196)	ND (0.0194)	
1-Methylnaphthalene	0.33		0.503 J+	--	ND (0.0929)	--	--	--	--	--	--	--	28	--	--	--	--	--	ND (0.0968)	--	--	--	--	
2,2'-oxybis(1-Chloropropane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
2,2'-oxybis(2-Chloropropane)			ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
2,3,4,6-Tetrachlorophenol			ND (0.102)	--	ND (0.0929)	--	--	--	--	--	--	--	ND (0.0958)	--	--	--	--	--	--	ND (0.0968)	--	--	--	--
2,4,5-Trichlorophenol			ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
2,4,6-Trichlorophenol			ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
2,4-Dichlorophenol			ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
2,4-Dimethylphenol			ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	--	0.0605 J	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
2,4-Dinitrophenol			ND (0.102)	--	ND (0.0929)	--	--	--	--	--	--	--	ND (0.0958)	--	--	--	--	--	--	ND (0.0968)	--	--	--	--
2,4-Dinitrotoluene			ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
2,6-Dinitrotoluene			ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
2-Chloronaphthalene			ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
2-Chlorophenol			ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
2-Methylnaphthalene			1.08 J+	--	ND (0.0466)	--	--	--	--	--	--	--	--	50.7	--	--	--	--	--	ND (0.0485)	--	--	--	--
2-Methylphenol (o-Cresol)			ND (0.0511)	--	ND (0.0466)	ND (0.0462)	--	ND (0.0594)	--	--	ND (0.0534)	ND (0.048)	--	--	--	--	--	--	--	ND (0.0485)	--	--	ND (0.0466)	ND (0.048)
2-Nitroaniline			ND (0.102)	--	ND (0.0929)	--	--	--	--	--	--	--	ND (0.0958)	--	--	--	--	--	--	ND (0.0968)	--	--	--	--
2-Nitrophenol			ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
3&4-Methylphenol			ND (0.0511)	--	ND (0.0466)	ND (0.0462)	--	ND (0.0594)	--	--	ND (0.0534)	ND (0.048)	--	--	--	--	--	--	--	ND (0.0485)	--	--	ND (0.0466)	ND (0.048)
3,3'-Dichlorobenzidine			ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
3-Nitroaniline			ND (0.102)	--	ND (0.0929)	--	--	--	--	--	--	--	ND (0.0958)	--	--	--	--	--	--	ND (0.0968)	--	--	--	--
4,6-Dinitro-2-methylphenol			ND (0.102)	--	ND (0.0929)	--	--	--	--	--	--	--	ND (0.0958)	--	--	--	--	--	--	ND (0.0968)	--	--	--	--
4-Bromophenyl phenyl ether (BDE-3)			ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
4-Chloro-3-methylphenol			ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
4-Chloroaniline			ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
4-Chlorophenyl phenyl ether			ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
4-Nitroaniline			ND (0.102)	--	ND (0.0929)	--	--	--	--	--	--	--	ND (0.0958)	--	--	--	--	--	--	ND (0.0968)	--	--	--	--
4-Nitrophenol			ND (0.102)	--	ND (0.0929)	--	--	--	--	--	--	--	ND (0.0958)	--	--	--	--	--	--	ND (0.0968)	--	--	--	--
Acenaphthene	20		0.89 J+	--	ND (0.0466)	ND (0.0462)	--	ND (0.0594)	--	--	ND (0.0534)	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	ND (0.0466)	ND (0.048)	
Acenaphthylene	100		ND (0.0511)	--	ND (0.0466)	ND (0.0462)	--	ND (0.0594)	--	--	ND (0.0534)	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	ND (0.0466)	ND (0.048)	
Acetophenone	ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	--	ND (0.0485)	--	--	--	--	
Aniline	ND (0.204)	--	ND (0.186)	--	--	--	--	--	--	--	ND (0.192)	--	--	--	--	--	--	--	ND (0.194)	--	--	--	--	
Anthracene	100		0.474 J+	--	ND (0.0466)	ND (0.0462)	--	ND (0.0594)	--	--	ND (0.0534)	1.1	--	--	--	--	--	--	ND (0.0485)	--	--	ND (0.0466)	ND (0.048)	
Atrazine	ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	--	ND (0.0485)	--	--	--	--	
Benzaldehyde	ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	--	ND (0.0485)	--	--	--	--	
Benzidine	ND (0.204)	--	ND (0.186)	--	--	--	--	--	--	--	ND (0.192)	--	--	--	--	--	--	--	ND (0.194)	--	--	--	--	
Benzo(a)anthracene	1		0.324 J+	--	ND (0.0466)	0.0479 J	--	ND (0.0594)	--	--	ND (0.0534)	0.599	--	--	--	--	--	--	ND (0.0485)	--	--	ND (0.0466)	ND (0.048)	
Benzo(a)pyrene	1		0.264 J+	--	ND (0.0466)	ND (0.0462)	--	ND (0.0594)	--	--	ND (0.0534)	0.409	--	--	--	--	--	--	ND (0.0485)	--	--	ND (0.0466)	ND (0.048)	
Benzo(b)fluoranthene																								

TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location		NY Part 375	NY Part 375	EP-06	EP-06	EP-07	EP-08	EP-08	EP-09	EP-09	EP-09	EP-10	EP-11	EP-11	EP-11	EP-11	EP-11	EP-11	EP-12	EP-12	EP-12	EP-13	EP-13	
Sample Name	Lab Sample ID	NY Part 375	NY Part 375	EP-06_8-8.5	EP-06_10-10.5	EP-07_8-8.5	EP-08_8-8.5	EP-08_10-10.5	EP-09_8-8.5	DUP-15-032123	EP-09_10-10.5	EP-10_8-8.5	EP-11_8-8.5	EP-11_8-8.5	EP-11_8-8.5	EP-11_8-8.5	EP-11_10-10.5	EP-11_12-12.5	EP-11_14-14.5	EP-12_8-8.5	EP-12_10-10.5	EP-12_12-12.5	EP-13_8-8.5	DUP-14-031723
Sample Date	Sample Type	Unrestricted Use	Soil Cleanup Objectives	02/09/2023	02/09/2023	02/06/2023	03/22/2023	03/22/2023	03/21/2023	03/21/2023	03/21/2023	03/21/2023	02/06/2023	02/06/2023	02/06/2023	02/06/2023	02/06/2023	02/06/2023	02/13/2023	02/09/2023	02/09/2023	02/09/2023	03/16/2023	03/17/2023
Sample Depth (bgs)	Description	Objectives	Objectives - PFAS	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate
				8 - 8.5 (ft)	10 - 10.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	10 - 10.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	10 - 10.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	10 - 10.5 (ft)	12 - 12.5 (ft)	14 - 14.5 (ft)	8 - 8.5 (ft)	10 - 10.5 (ft)	12 - 12.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)
				FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL	FILL	FILL	FILL	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	
Nitrobenzene				ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
N-Nitrosodimethylamine				ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
N-Nitrosodi-n-propylamine				ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
N-Nitrosodiphenylamine				ND (0.0511)	--	ND (0.0466)	--	--	--	--	--	--	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	--	--
Pentachloronitrobenzene				ND (0.102)	--	ND (0.0929)	--	--	--	--	--	--	ND (0.0958)	--	--	--	--	--	--	ND (0.0968)	--	--	--	--
Pentachlorophenol	0.8			ND (0.0511)	--	ND (0.0466)	ND (0.0462)	--	ND (0.0594)	--	--	ND (0.0534)	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	ND (0.0466)	ND (0.048)
Phenanthrene	100			1.99 J+	--	0.0758 J	ND (0.0462)	--	ND (0.0594)	--	--	ND (0.0534)	--	8.26	--	--	--	--	--	ND (0.0485)	--	--	ND (0.0466)	ND (0.048)
Phenol	0.33			ND (0.0511)	--	ND (0.0466)	ND (0.0462)	--	ND (0.0594)	--	--	ND (0.0534)	ND (0.048)	--	--	--	--	--	--	ND (0.0485)	--	--	ND (0.0466)	ND (0.048)
Propargite				ND (0.204)	--	ND (0.186)	--	--	--	--	--	--	ND (0.192)	--	--	--	--	--	--	ND (0.194)	--	--	--	--
Pyrene	100			1.42 J+	--	0.0854 J	0.0825 J	--	ND (0.0594)	--	--	ND (0.0534)	2.92	--	--	--	--	--	--	0.065 J	--	--	ND (0.0466)	ND (0.048)
Pyridine				ND (0.204)	--	ND (0.186)	--	--	--	--	--	--	ND (0.192)	--	--	--	--	--	--	ND (0.194)	--	--	--	--
Resorcinol				ND (0.204)	--	ND (0.186)	--	--	--	--	--	--	ND (0.192)	--	--	--	--	--	--	ND (0.194)	--	--	--	--
Volatile Organic Compounds (mg/kg)																								
1,1,1-Trichloroethane	0.68			ND (0.22)	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	ND (0.5)	--	--	--	ND (0.0024)	ND (0.58)	ND (0.0032)	ND (0.003)	--	--	ND (0.0023)	ND (0.0028)
1,1-Dichloroethane	0.27			ND (0.22)	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	ND (0.5)	--	--	--	ND (0.0024)	ND (0.58)	ND (0.0032)	ND (0.003)	--	--	ND (0.0023)	ND (0.0028)
1,1-Dichloroethene	0.33			ND (0.22)	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	ND (0.5)	--	--	--	ND (0.0024)	ND (0.58)	ND (0.0032)	ND (0.003)	--	--	ND (0.0023)	ND (0.0028)
1,2,4-Trimethylbenzene	3.6			ND (0.22)	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	73	--	--	--	0.057 J	1.3 J	ND (0.0032)	ND (0.003)	--	--	ND (0.0023)	ND (0.0028)
1,2-Dichlorobenzene	1.1			ND (0.22)	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	ND (0.5)	--	--	--	ND (0.0024)	ND (0.58)	ND (0.0032)	ND (0.003)	--	--	ND (0.0023) J	ND (0.0028)
1,2-Dichloroethane	0.02			ND (0.22)	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	ND (0.5)	--	--	--	ND (0.0024)	ND (0.58)	ND (0.0032)	ND (0.003)	--	--	ND (0.0023)	ND (0.0028)
1,3,5-Trimethylbenzene	8.4			ND (0.22)	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	6.8	--	--	--	0.0042 J	ND (0.58) J	ND (0.0032)	ND (0.003)	--	--	ND (0.0023)	ND (0.0028)
1,3-Dichlorobenzene	2.4			ND (0.22)	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	ND (0.5)	--	--	--	ND (0.0024)	ND (0.58)	ND (0.0032)	ND (0.003)	--	--	ND (0.0023) J	ND (0.0028)
1,4-Dichlorobenzene	1.8			ND (0.22)	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	ND (0.5)	--	--	--	ND (0.0024)	ND (0.58)	ND (0.0032)	ND (0.003)	--	--	ND (0.0023) J	ND (0.0028)
1,4-Dioxane	0.1			ND (4.4)	ND (0.062)	ND (0.054)	ND (0.053)	--	ND (0.062)	--	--	ND (0.073)	ND (10)	--	--	--	ND (0.048)	ND (12)	ND (0.064)	ND (0.06)	--	--	ND (0.046)	ND (0.057)
2-Butanone (Methyl Ethyl Ketone)	0.12			ND (0.22)	0.0079	ND (0.0027)	0.0043 J	--	0.032	--	--	ND (0.0036)	ND (0.5)	--	--	--	0.006	ND (0.58)	ND (0.0032)	0.0037 J	--	--	ND (0.0023)	ND (0.0028)
2-Phenylbutane (sec-Butylbenzene)	11			1.1	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	14	--	--	--	0.011 J	3.7 J	ND (0.0032)	ND (0.003)	--	--	ND (0.0023)	ND (0.0028)
Acetone	0.05			ND (0.44)	0.027	0.016	0.026 J+	--	0.077	--	ND (0.011)	ND (0.015)	ND (1)	--	--	--	0.026	ND (1.2)	0.023	0.034	--	--	0.033 J	0.029
Benzene	0.06			0.27 J	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	ND (0.5)	--	--	--	ND (0.0024)	ND (0.58)	ND (0.0032)	ND (0.003)	--	--	ND (0.0023)	ND (0.0028)
Carbon tetrachloride	0.76			ND (0.22)	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	ND (0.5)	--	--	--	ND (0.0024)	ND (0.58)	ND (0.0032)	ND (0.003)	--	--	ND (0.0023)	ND (0.0028)
Chlorobenzene	1.1			ND (0.22)	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	ND (0.5)	--	--	--	ND (0.0024)	ND (0.58)	ND (0.0032)	ND (0.003)	--	--	ND (0.0023)	ND (0.0028)
Chloroform (Trichloromethane)	0.37			ND (0.22)	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	ND (0.5)	--	--	--	ND (0.0024)	ND (0.58)	ND (0.0032)	ND (0.003)	--	--	ND (0.0023)	ND (0.0028)
cis-1,2-Dichloroethene	0.25			ND (0.22)	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	ND (0.5)	--	--	--	ND (0.0024)	ND (0.58)	ND (0.0032)	ND (0.003)	--	--	ND (0.0023)	ND (0.0028)
Cymene (p-Isopropyltoluene)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	1			ND (0.22)	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	8.3	--	--	--	0.0043 J	0.69 J	ND (0.0032)	ND (0.003)	--	--	ND (0.0023) J	ND (0.0028)
Isopropylbenzene (Cumene)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylenes				ND (0.44)	ND (0.0062)	ND (0.0054)	ND (0.0053)	--	ND (0.0062)	--	--	ND (0.0073)	5.8	--	--	--	ND (0.0048)	ND (1.2)	ND (0.0064)	ND (0.006)	--	--	ND (0.0046) J	ND (0.0057)
Methyl Tert Butyl Ether (MTBE)	0.93			ND (0.22)	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	ND (0.5)	--	--	--	ND (0.0024)	ND (0.58)	ND (0.0032)	ND (0.003)	--	--	ND (0.0023)	ND (0.0028)
Methylene chloride (Dichloromethane)	0.05			0.48 J	ND (0.012)	0.0076 J	ND (0.0053)	--	ND (0.0062) J	--	--	ND (0.0073) J	1.5 J	--	--	--	0.0077 J	1.4 J	ND (0.0064)	ND (0.006)	--	--	ND (0.0046) J	ND (0.0057) J
Naphthalene	12			ND (0.22)	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	57	--	--	--	0.066	20	ND (0.0032)	ND (0.003)	--	--	ND (0.0023)	ND (0.0028)
n-Butylbenzene	12			0.94	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	9.2	--	--	--	0.011 J	2.6 J	ND (0.0032)	ND (0.003)	--	--	ND (0.0023) J	ND (0.0028) J
n-Propylbenzene	3.9			1.4	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	15	--	--	--	0.0092	3	ND (0.0032)	ND (0.003)	--	--	ND (0.0023)	ND (0.0028)
o-Xylene				ND (0.22)	ND (0.0031)	ND (0.0027)	ND (0.0026)	--	ND (0.0031)	--	--	ND (0.0036)	ND (0.5)	--	--	--	ND (0.0024)</							

Notes:
mg/kg: milligram per kilogram
--: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated
J+: Value is estimated, biased high
J-: Value is estimated, biased low
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.
- Shaded values indicate an exceedance of the Unrestricted Use Soil Cleanup Objectives

TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location	Sample Name	NY Part 375	EP-13	EP-13	EP-14	EP-14	EP-15	EP-16	EP-16	EP-16	EP-16	EP-16	EP-17	EP-18	EP-18	EP-18	EP-19	EP-20	EP-20	EP-21	EP-21	EP-22
	Lab Sample ID	Unrestricted Use	EP-13_10-10.5	EP-13_12-12.5	EP-14_8-8.5	EP-14_10-10.5	EP-15_8-8.5	EP-16_8-8.5	EP-16_10-10.5	EP-16_12-12.5	EP-16_12-12.5	EP-16_12-12.5	EP-17_8-8.5	EP-18_8-8.5	EP-18_8-8.5	EP-18_10-10.5	EP-19_8-8.5	EP-20_8-8.5	DUP-10_030723	EP-21_8-8.5	EP-21_10-10.5	EP-22_8-8.5
	Sample Date	Soil Cleanup	03/16/2023	03/16/2023	03/17/2023	03/17/2023	03/08/2023	02/06/2023	02/06/2023	02/06/2023	02/06/2023	02/06/2023	02/13/2023	02/14/2023	02/14/2023	02/14/2023	03/17/2023	03/07/2023	03/07/2023	02/03/2023	02/14/2023	02/13/2023
	Sample Type	Objectives	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate	Primary	Primary	Primary
	Sample Depth (bgs)		10 - 10.5 (ft)	12 - 12.5 (ft)	8 - 8.5 (ft)	10 - 10.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	10 - 10.5 (ft)	12 - 12.5 (ft)	12 - 12.5 (ft)	14 - 14.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	10 - 10.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	10 - 10.5 (ft)	8 - 8.5 (ft)
	Description		FILL/PIM	FILL/PIM	FILL	FILL	FILL	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL	FILL	FILL	FILL/PIM	FILL/PIM	FILL/PIM
Inorganic Compounds (mg/kg)																						
Aluminum			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Antimony			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	13		--	--	2.95	--	4.92	4.7 J	--	--	--	--	8.34	7.13	--	--	1.75	4.6 J	2.47 J	5.8	--	ND (1.42)
Barium	350		--	--	65.4	--	52.6	78	--	--	--	--	49.4	119	--	--	75.4	70.7	73.8	166	--	69
Beryllium	7.2		--	--	0.671	--	0.663	1.87	--	--	--	--	ND (0.048)	ND (0.049)	--	--	1.25	2.09	2.03	1.5	--	ND (0.048)
Cadmium	2.5		--	--	ND (0.288)	--	ND (0.299)	ND (0.293)	--	--	--	--	ND (0.286)	0.449 J	--	--	0.33	ND (0.326)	0.599	0.38	--	0.472
Calcium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium			--	--	16.3	--	13.4	36	--	--	--	--	13.5	16.2	--	--	17.1	31.1	23.4	19.2	--	18.5
Cobalt			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	50		--	--	22	--	16.1	31.5	--	--	--	--	14.5	66.3 J	--	25.1	17.3	42.2	28.1	77.7	24.4 J	28.6
Iron			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	63		215	19.7	58 J	10.7	20.6	23.9	--	--	--	--	13.4	123 J	--	58.3	11.3 J	9.71	8.65	177	38 J	37.6
Magnesium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	1600		--	--	260 J+	--	310	619	--	--	--	--	184	338	--	--	623 J+	613 J+	433	414	--	344
Mercury	0.18		0.175 J	--	0.339	ND (0.0332)	ND (0.0359)	0.0743 J	--	--	--	--	ND (0.0343)	0.112	--	--	ND (0.0343)	ND (0.0391)	ND (0.0318)	0.459	0.161	ND (0.0341)
Nickel	30		--	--	13.6	--	15.6	28.9	--	--	--	--	15.8	15.9	--	--	16.5	25.7	26.2	20	--	17.4
Potassium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	3.9		--	--	ND (2.4) J	--	ND (2.5)	ND (2.44) J	--	--	--	--	3.29	ND (2.41)	--	--	ND (2.38) J	ND (2.72) J	ND (2.21)	ND (2.4)	--	ND (2.37)
Silver	2		--	--	ND (0.484)	--	ND (0.503)	ND (0.492)	--	--	--	--	ND (0.48)	ND (0.485)	--	--	ND (0.48)	ND (0.548)	ND (0.446)	ND (0.484)	--	ND (0.478)
Sodium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	109		--	--	75.3 J+	--	52	76.6	--	--	--	--	44.7	163 J	--	57.9	71.5 J+	56.4	57.9	157	58.7 J	57.3
Other (%)																						
Percent Solids, weight			88.4 J	80.9 J	86.7	90.4 J	83.5	85.3	85.9	79.6 J	--	79.5	87.5	86.5	--	87.9 J	87.5	76.6	94.2	86.8	77.3	87.9
Pesticides (mg/kg)																						
4,4'-DDD	0.0033		--	--	ND (0.00188)	--	ND (0.00196)	ND (0.00193)	--	--	--	--	ND (0.00186)	ND (0.00189) J	--	--	ND (0.00185)	ND (0.0021)	ND (0.00175)	ND (0.00189)	--	ND (0.00186)
4,4'-DDE	0.0033		--	--	ND (0.00188)	--	ND (0.00196)	ND (0.00193)	--	--	--	--	ND (0.00186)	ND (0.00189) J	--	--	ND (0.00185)	ND (0.0021)	ND (0.00175)	ND (0.00189)	--	ND (0.00186)
4,4'-DDT	0.0033		--	--	ND (0.00188)	--	ND (0.00196)	ND (0.00193)	--	--	--	--	ND (0.00186)	ND (0.00189) J	--	--	ND (0.00185)	ND (0.0021)	ND (0.00175)	ND (0.00189)	--	ND (0.00186)
Aldrin	0.005		--	--	ND (0.00188)	--	ND (0.00196)	ND (0.00193)	--	--	--	--	ND (0.00186)	ND (0.00189) J	--	--	ND (0.00185)	ND (0.0021)	ND (0.00175)	ND (0.00189)	--	ND (0.00186)
alpha-BHC	0.02		--	--	ND (0.00188)	--	ND (0.00196)	ND (0.00193)	--	--	--	--	ND (0.00186)	ND (0.00189) J	--	--	ND (0.00185)	ND (0.0021)	ND (0.00175)	ND (0.00189)	--	ND (0.00186)
alpha-Chlordane (cis)	0.094		--	--	ND (0.00188)	--	ND (0.00196)	ND (0.00193)	--	--	--	--	ND (0.00186)	ND (0.00189) J	--	--	ND (0.00185)	ND (0.0021)	ND (0.00175)	ND (0.00189)	--	ND (0.00186)
beta-BHC	0.036		--	--	ND (0.00188)	--	ND (0.00196)	ND (0.00193)	--	--	--	--	ND (0.00186)	ND (0.00189) J	--	--	ND (0.00185)	ND (0.0021)	ND (0.00175)	ND (0.00189)	--	ND (0.00186)
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	0.04		--	--	ND (0.00188)	--	ND (0.00196)	ND (0.00193)	--	--	--	--	ND (0.00186)	ND (0.00189) J	--	--	ND (0.00185)	ND (0.0021)	ND (0.00175)	ND (0.00189)	--	ND (0.00186)
Dieldrin	0.005		--	--	ND (0.00188)	--	ND (0.00196)	ND (0.00193)	--	--	--	--	ND (0.00186)	ND (0.00189) J	--	--	ND (0.00185)	ND (0.0021)	ND (0.00175)	ND (0.00189)	--	ND (0.00186)
Endosulfan I	2.4		--	--	ND (0.00188)	--	ND (0.00196)	ND (0.00193)	--	--	--	--	ND (0.00186)	ND (0.00189) J	--	--	ND (0.00185)	ND (0.0021)	ND (0.00175)	ND (0.00189)	--	ND (0.00186)
Endosulfan II	2.4		--	--	ND (0.00188)	--	ND (0.00196)	ND (0.00193)	--	--	--	--	ND (0.00186)	ND (0.00189) J	--	--	ND (0.00185)	ND (0.0021)	ND (0.00175)	ND (0.00189)	--	ND (0.00186)
Endosulfan sulfate	2.4		--	--	ND (0.00188)	--	ND (0.00196)	ND (0.00193)	--	--	--	--	ND (0.00186)	ND (0.00189) J	--	--	ND (0.00185)	ND (0.0021)	ND (0.00175)	ND (0.00189)	--	ND (0.00186)
Endrin	0.014		--	--	ND (0.00188)	--	ND (0.00196)	ND (0.00193)	--	--	--	--	ND (0.00186)	ND (0.00189) J	--	--	ND (0.00185)	ND (0.0021)	ND (0.00175)	ND (0.00189)	--	ND (0.00186)
Endrin aldehyde			--	--	ND (0.001																	

TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	NY Part 375 Unrestricted Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives - PFAS	EP-13 EP-13_10-10.5 23C1043-02 03/16/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-13 EP-13_12-12.5 23C1043-03 03/16/2023 Primary 12 - 12.5 (ft) FILL/PIM	EP-14 EP-14_8-8.5 23C1043-13 03/17/2023 Primary 8 - 8.5 (ft) FILL	EP-14 EP-14_10-10.5 23C1043-14 03/17/2023 Primary 10 - 10.5 (ft) FILL	EP-15 EP-15_8-8.5 23C0546-01 03/08/2023 Primary 8 - 8.5 (ft) FILL	EP-16 EP-16_8-8.5 23B0299-13 02/06/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-16 EP-16_10-10.5 23B0299-14 02/06/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-16 EP-16_12-12.5 23B0299-15 02/06/2023 Primary 12 - 12.5 (ft) FILL/PIM	EP-16 EP-16_12-12.5 23B0299-15RE1 02/06/2023 Primary 12 - 12.5 (ft) FILL/PIM	EP-16 EP-16_14-14.5 23B1228-01 02/23/2023 Primary 14 - 14.5 (ft) FILL/PIM	EP-17 EP-17_8-8.5 23B0709-01 02/13/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-18 EP-18_8-8.5 23B0849-20 02/14/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-18 EP-18_8-8.5 23B0849-20RE1 02/14/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-18 EP-18_10-10.5 23B0849-21 02/14/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-19 EP-19_8-8.5 23C1043-09 03/17/2023 Primary 8 - 8.5 (ft) FILL	EP-20 EP-20_8-8.5 23C0373-01 03/07/2023 Primary 8 - 8.5 (ft) FILL	EP-20 DUP-10_030723 23C0373-05 03/07/2023 Duplicate 8 - 8.5 (ft) FILL	EP-21 EP-21_8-8.5 23B0189-06 02/03/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-21 EP-21_10-10.5 23B0849-01 02/14/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-22 EP-22_8-8.5 23B0709-04 02/13/2023 Primary 8 - 8.5 (ft) FILL/PIM		
Nitrobenzene			--	--	--	--	--	ND (0.0488)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
N-Nitrosodimethylamine			--	--	--	--	--	ND (0.0488)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
N-Nitrosodi-n-propylamine			--	--	--	--	--	ND (0.0488)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
N-Nitrosodiphenylamine			--	--	--	--	--	ND (0.0488)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pentachloronitrobenzene			--	--	--	--	--	ND (0.0974)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pentachlorophenol	0.8		--	--	ND (0.0476)	--	0.0496 R	ND (0.0488)	--	--	--	--	ND (0.0464)	ND (0.0472)	--	ND (0.0472)	ND (0.0474)	ND (0.053)	ND (0.0442)	ND (0.0475)	--	ND (0.0471)		
Phenanthrene	100		--	--	ND (0.0476)	--	ND (0.0496)	0.125	ND (0.0464)	--	--	--	ND (0.0464)	--	8.48	0.0995	ND (0.0474)	ND (0.053)	ND (0.0442)	0.674	--	ND (0.0471)		
Phenol	0.33		--	--	ND (0.0476)	--	ND (0.0496)	ND (0.0488)	--	--	--	--	ND (0.0464)	ND (0.0472)	--	ND (0.0472)	ND (0.0474)	ND (0.053)	ND (0.0442)	ND (0.0475)	--	ND (0.0471)		
Propargite			--	--	--	--	--	ND (0.195)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pyrene	100		--	--	ND (0.0476)	--	ND (0.0496)	0.108	--	--	--	--	ND (0.0464)	--	7.76	0.173	ND (0.0474)	ND (0.053)	ND (0.0442)	0.708	--	ND (0.0471)		
Pyridine			--	--	--	--	--	ND (0.195)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Resorcinol			--	--	--	--	--	ND (0.195)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Volatile Organic Compounds (mg/kg)																								
1,1,1-Trichloroethane	0.68		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027)	--	ND (0.0029)	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024)		
1,1-Dichloroethane	0.27		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027)	--	ND (0.0029)	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024)		
1,1-Dichloroethene	0.33		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027)	--	ND (0.0029)	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034) J	--	ND (0.0031)	--	ND (0.0024)		
1,2,4-Trimethylbenzene	3.6		--	--	ND (0.0042)	--	0.0034 J	0.063 J	--	0.15 J+	--	--	ND (0.0029) J	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024) J		
1,2-Dichlorobenzene	1.1		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027) J	--	ND (0.0029)	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024)		
1,2-Dichloroethane	0.02		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027)	--	ND (0.0029)	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024)		
1,3,5-Trimethylbenzene	8.4		--	--	ND (0.0042)	--	ND (0.003)	0.023 J	--	ND (0.0029) J	--	--	ND (0.0029) J	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024) J		
1,3-Dichlorobenzene	2.4		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027) J	--	ND (0.0029)	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024)		
1,4-Dichlorobenzene	1.8		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027) J	--	ND (0.0029)	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024)		
1,4-Dioxane	0.1		--	--	ND (0.084)	--	ND (0.06)	ND (0.055)	--	ND (0.058)	--	--	ND (0.059)	ND (0.048)	--	--	ND (0.054)	ND (0.068)	--	ND (0.062)	--	ND (0.048)		
2-Butanone (Methyl Ethyl Ketone)	0.12		--	--	ND (0.0042)	--	ND (0.003)	0.013	--	0.036	--	--	0.0067	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024)		
2-Phenylbutane (sec-Butylbenzene)	11		--	--	ND (0.0042)	--	ND (0.003)	0.012 J	--	0.24 J+	--	--	ND (0.0029) J	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	0.0083	--	ND (0.0024) J		
Acetone	0.05		--	--	ND (0.017)	--	0.039	0.055 J	0.05	0.094	--	ND (0.016)	0.044	0.0067 J	--	--	ND (0.011)	ND (0.0068)	--	ND (0.0062)	--	0.022		
Benzene	0.06		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027)	--	0.0029 J	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	0.0028 J		
Carbon tetrachloride	0.76		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027)	--	ND (0.0029)	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034) J	--	ND (0.0031)	--	ND (0.0024)		
Chlorobenzene	1.1		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027)	--	ND (0.0029)	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024)		
Chloroform (Trichloromethane)	0.37		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027)	--	ND (0.0029)	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024)		
cis-1,2-Dichloroethene	0.25		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027)	--	ND (0.0029)	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024)		
Cymene (p-Isopropyltoluene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Ethylbenzene	1		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027)	--	0.096 J+	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024)		
Isopropylbenzene (Cumene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
m,p-Xylenes			--	--	ND (0.0084)	--	ND (0.006)	0.0071 J	--	ND (0.0058)	--	--	ND (0.0059)	ND (0.0048)	--	--	ND (0.0054)	ND (0.0068)	--	ND (0.0062)	--	ND (0.0048)		
Methyl Tert Butyl Ether (MTBE)	0.93		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027)	--	ND (0.0029)	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024)		
Methylene chloride (Dichloromethane)	0.05		--	--	ND (0.0084) J	--	ND (0.006)	ND (0.0055)	--	ND (0.0058)	--	--	ND (0.0059)	ND (0.0048)	--	--	ND (0.0054) J	ND (0.0068) J	--	ND (0.0062)	--	ND (0.0048)		
Naphthalene	12		--	--	ND (0.0042)	--	ND (0.003)	0.044 J	--	--	21 J+	--	ND (0.0029) J	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024) J		
n-Butylbenzene	12		--	--	ND (0.0042)	--	ND (0.003)	0.003 J	--	0.14 J+	--	--	ND (0.0029) J	ND (0.0024)	--	--	ND (0.0027) J	ND (0.0034)	--	0.0051 J	--	ND (0.0024) J		
n-Propylbenzene	3.9		--	--	ND (0.0042)	--	ND (0.003)	0.0033 J	--	0.22 J+	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	0.0033 J	--	ND (0.0024)		
o-Xylene			--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027)	--	ND (0.0029)	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024)		
tert-Butylbenzene	5.9		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027)	--	0.012 J+	--	--	ND (0.0029) J	ND (0.0024)	--	--	ND (0.0027) J	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024) J		
Tetrachloroethene	1.3		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027)	--	ND (0.0029) J	--	--	ND (0.0029) J	ND (0.0024) J	--	--	ND (0.0027)	ND (0.0034) J	--	ND (0.0031)	--	ND (0.0024) J		
Toluene	0.7		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027)	--	ND (0.0029)	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	0.0061 J	--	ND (0.0031)	--	0.014		
trans-1,2-Dichloroethene	0.19		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027)	--	ND (0.0029)	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024)		
Trichloroethene	0.47		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027)	--	ND (0.0029)	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034)	--	ND (0.0031)	--	ND (0.0024)		
Vinyl chloride	0.02		--	--	ND (0.0042)	--	ND (0.003)	ND (0.0027)	--	ND (0.0029)	--	--	ND (0.0029)	ND (0.0024)	--	--	ND (0.0027)	ND (0.0034) J	--	ND (0.0031)	--	ND (0.0024)		
Xylene (Total)	0.26		--	--	ND (0.013)	--	ND (0.0089)	ND (0.0082)	--	ND (0.0086)	--	--	ND (0.0088)	ND (0.0072)	--	--	ND (0.0081)	ND (0.01)	--	ND (0.0094)	--	ND (0.0072)		

Notes:
mg/kg: milligram per kilogram
--: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated
J+: Value is estimated, biased high
J-: Value is estimated, biased low
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.
- Shaded values indicate an exceedance of the Unrestricted Use Soil Cleanup Objectives

TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

	Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	NY Part 375 Unrestricted Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives - PFAS	EP-23 EP-23_8-8.5 23B0849-09 02/14/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-23 EP-23_10-10.5 23B0849-10 02/14/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-23 EP-23_12-12.5 23B0849-11 02/14/2023 Primary 12 - 12.5 (ft) FILL/PIM	EP-24 EP-24_8-8.5 23B1073-01 02/20/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-24 EP-24_8-8.5 23B1073-01RE1 02/20/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-25 EP-25_8-8.5 23B1073-06 02/20/2023 Primary 8 - 8.5 (ft) FILL	EP-26 EP-26_8-8.5 23B0189-07 02/03/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-26 EP-26_10-10.5 23B0849-05 02/14/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-26 EP-26_12-12.5 23B0849-06 02/14/2023 Primary 12 - 12.5 (ft) FILL/PIM	EP-27 EP-27_8-8.5 23B0709-07 02/13/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-27 EP-27_10-10.5 23B0709-08 02/13/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-27 EP-27_12-12.5 23B0709-09 02/13/2023 Primary 12 - 12.5 (ft) FILL/PIM	EP-27 EP-27_14-14.5 23B0709-14 02/13/2023 Primary 14 - 14.5 (ft) FILL/PIM	EP-28 EP-28_8-8.5 23B0849-14 02/14/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-29 EP-29_8-8.5 23B0135-10 02/02/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-30 EP-30_8-8.5 23B0135-01 02/01/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-30 EP-30_10-10.5 23B0135-02 02/01/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-30 EP-30_12-12.5 23B0135-03 02/01/2023 Primary 12 - 12.5 (ft) FILL/PIM	EP-31 EP-31_8-8.5 23B0790-07 02/14/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-31 EP-31_10-10.5 23B0790-08 02/14/2023 Primary 10 - 10.5 (ft) FILL/PIM		
Inorganic Compounds (mg/kg)																									
Aluminum				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Antimony				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Arsenic	13			5.87	--	--	ND (1.52)	--	4.21	6.72	--	--	ND (1.51)	--	--	--	--	6.06	2.67	2.03	--	--	--	7.36	--
Barium	350			116	--	--	68.3	--	63.4	317	--	--	106	--	--	--	--	100	56.6	99.6	--	--	--	523	167
Beryllium	7.2			ND (0.055)	--	--	1.21	--	0.793	1.03	--	--	ND (0.051)	--	--	--	--	ND (0.048)	0.863	1.55	--	--	--	0.459	--
Cadmium	2.5			0.362 J	--	--	0.362	--	ND (0.301)	ND (0.303)	--	--	0.397	--	--	--	--	ND (0.288) J	ND (0.285)	ND (0.31)	--	--	--	ND (0.329)	--
Calcium				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Chromium				18.9	--	--	26.9	--	16.6	16.7	--	--	19.6	--	--	--	--	21.2	17.1	23.1	--	--	--	12.4	--
Cobalt				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Copper	50			64.9 J	30.2	--	27	--	17	35.6	--	--	30	--	--	--	--	22.3 J	17	26.1	--	--	--	17.5	--
Iron				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Lead	63			167 J	53.3	--	23.5	--	19.5	150	180 J	16.3	549	435	8480	6.98	31 J	16.9	20.5	--	--	--	154	3920	
Magnesium				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Manganese	1600			377	--	--	552	--	458	326	--	--	433	--	--	--	--	692	383	707	--	--	--	289	--
Mercury	0.18			0.186	0.318	0.0577 J	0.0674	--	ND (0.0361)	0.254	0.118	--	0.158	--	--	--	--	0.0589	ND (0.0342)	ND (0.0372)	--	--	--	0.103	--
Nickel	30			21	--	--	22	--	18.8	18.5	--	--	17.1	--	--	--	--	22	17.9	21.1	--	--	--	13.1	--
Potassium				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Selenium	3.9			ND (2.74) J	--	--	ND (2.53)	--	ND (2.5)	ND (2.52)	--	--	ND (2.52)	--	--	--	--	ND (2.4) J	ND (2.37)	ND (2.58)	--	--	--	ND (2.74) J	--
Silver	2			ND (0.553)	--	--	ND (0.51)	--	ND (0.505)	ND (0.509)	--	--	ND (0.508)	--	--	--	--	ND (0.483)	ND (0.479)	ND (0.52)	--	--	--	ND (0.553)	--
Sodium				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Thallium				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Vanadium				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Zinc	109			200 J	66.4	--	74.7	--	56.8	76.3	--	--	102	--	--	--	--	64.7 J	50.1	129	145	41.1	827	186	
Other (%)																									
Percent Solids, weight				76	80.4 J	81.8 J	82.3	--	83.2	82.5	84.6	84.3 J	82.7	83.3 J	73 J	88.7 J	86.9	87.7	80.7	84.3 J	91.4 J	--	76	84.2 J	
Pesticides (mg/kg)																									
4,4'-DDD	0.0033			ND (0.00216)	--	--	ND (0.00199)	--	ND (0.00197)	ND (0.00199)	--	--	ND (0.00194)	--	--	--	--	ND (0.00189)	ND (0.00186)	ND (0.00202)	--	--	--	ND (0.00215)	--
4,4'-DDE	0.0033			ND (0.00216)	--	--	ND (0.00199)	--	ND (0.00197)	ND (0.00199)	--	--	ND (0.00194)	--	--	--	--	ND (0.00189)	ND (0.00186)	ND (0.00202)	--	--	--	ND (0.00215)	--
4,4'-DDT	0.0033			ND (0.00216)	--	--	ND (0.00199)	--	ND (0.00197)	ND (0.00199)	--	--	ND (0.00194)	--	--	--	--	ND (0.00189)	ND (0.00186)	ND (0.00202)	--	--	--	ND (0.00215)	--
Aldrin	0.005			ND (0.00216)	--	--	ND (0.00199)	--	ND (0.00197)	ND (0.00199)	--	--	ND (0.00194)	--	--	--	--	ND (0.00189)	ND (0.00186)	ND (0.00202)	--	--	--	ND (0.00215)	--
alpha-BHC	0.02			ND (0.00216)	--	--	ND (0.00199)	--	ND (0.00197)	ND (0.00199)	--	--	ND (0.00194)	--	--	--	--	ND (0.00189)	ND (0.00186)	ND (0.00202)	--	--	--	ND (0.00215)	--
alpha-Chlordane (cis)	0.094			ND (0.00216)	--	--	ND (0.00199)	--	ND (0.00197)	ND (0.00199)	--	--	ND (0.00194)	--	--	--	--	ND (0.00189)	ND (0.00186)	ND (0.00202)	--	--	--	ND (0.00215)	--
beta-BHC	0.036			ND (0.00216)	--	--	ND (0.00199)	--	ND (0.00197)	ND (0.00199)	--	--	ND (0.00194)	--	--	--	--	ND (0.00189)	ND (0.00186)	ND (0.00202)	--	--	--	ND (0.00215)	--
Chlordane				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
delta-BHC	0.04			ND (0.00216)	--	--	ND (0.00199)	--	ND (0.00197)	ND (0.00199)	--	--	ND (0.00194)	--	--	--	--	ND (0.00189)	ND (0.00186)	ND (0.00202)	--	--	--	ND (0.00215)	--
Dieldrin	0.005			ND (0.00216)	--	--	ND (0.00199)	--	ND (0.00197)	ND (0.00199)	--	--	ND (0.00194)	--	--	--	--	ND (0.00189)	ND (0.00186)	ND (0.00202)	--	--	--	ND (0.00215)	--
Endosulfan I	2.4			ND (0.00216)	--	--	ND (0.00199)	--	ND (0.00197)	ND (0.00199)	--	--	ND (0.00194)	--	--	--	--	ND (0.00189)	ND (0.00186)	ND (0.00202)	--	--	--	ND (0.00215)	--
Endosulfan II	2.4			ND (0.00216)	--	--	ND (0.00199)	--	ND (0.00197)	ND (0.00199)	--	--	ND (0.00194)	--	--	--	--	ND (0.00189)	ND (0.00186)	ND (0.00202)	--	--	--	ND (0.00215)	--
Endosulfan sulfate	2.4			ND (0.00216)	--	--	ND (0.00199)	--	ND (0.00197)	ND (0.00199)	--	--	ND (0.00194)	--	--	--	--	ND (0.00189)	ND (0.00186)	ND (0.00202)	--	--	--	ND (0.00215)	--
Endrin	0.014			ND (0.00216)	--	--	ND (0.00199)	--	ND (0.00197)	ND (0.00199)	--	--	ND (0.00194)	--	--	--	--	ND (0.00189)	ND (0.00186)	ND (0.00202)	--	--	--	ND (0.00215)	--
Endrin aldehyde				ND (0.00216)	--	--	ND (0.00199)	--	ND (0.00197)	ND (0.00199)	--	--	ND (0.00194)	--	--	--	--	ND (0.00189)	ND (0.00186)	ND (0.00202)	--	--	--	ND (0.00215)	--
Endrin><																									

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	NY Part 375 Unrestricted Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives - PFAS	EP-23 EP-23_8-8.5 23B0849-09 02/14/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-23 EP-23_10-10.5 23B0849-10 02/14/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-23 EP-23_12-12.5 23B0849-11 02/14/2023 Primary 12 - 12.5 (ft) FILL/PIM	EP-24 EP-24_8-8.5 23B1073-01 02/20/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-24 EP-24_8-8.5 23B1073-01RE1 02/20/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-25 EP-25_8-8.5 23B1073-06 02/20/2023 Primary 8 - 8.5 (ft) FILL	EP-26 EP-26_8-8.5 23B0189-07 02/03/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-26 EP-26_10-10.5 23B0849-05 02/14/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-26 EP-26_12-12.5 23B0849-06 02/14/2023 Primary 12 - 12.5 (ft) FILL/PIM	EP-27 EP-27_8-8.5 23B0709-07 02/13/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-27 EP-27_10-10.5 23B0709-08 02/13/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-27 EP-27_12-12.5 23B0709-09 02/13/2023 Primary 12 - 12.5 (ft) FILL/PIM	EP-27 EP-27_14-14.5 23B0709-14 02/13/2023 Primary 14 - 14.5 (ft) FILL/PIM	EP-28 EP-28_8-8.5 23B0849-14 02/14/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-29 EP-29_8-8.5 23B0135-10 02/02/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-30 EP-30_8-8.5 23B0135-01 02/01/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-30 EP-30_10-10.5 23B0135-02 02/01/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-30 EP-30_12-12.5 23B0135-03 02/01/2023 Primary 12 - 12.5 (ft) FILL/PIM	EP-31 EP-31_8-8.5 23B0790-07 02/14/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-31 EP-31_10-10.5 23B0790-08 02/14/2023 Primary 10 - 10.5 (ft) FILL/PIM		
Semi-Volatile Organic Compounds (mg/kg)																								
1,2,4,5-Tetrachlorobenzene	1.1		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Diphenylhydrazine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane			ND (0.0198)	--	--	ND (0.0198)	--	ND (0.0198)	ND (0.0194)	--	--	ND (0.0183)	--	--	--	--	ND (0.0198)	ND (0.0196)	ND (0.0196)	--	--	ND (0.0187)	--	--
1-Methylnaphthalene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2'-oxybis(1-Chloropropane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2'-oxybis(2-Chloropropane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	0.33		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4,5-Trichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4,6-Trichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4-Dichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4-Dimethylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4-Dinitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	20		ND (0.0534)	--	--	ND (0.0506)	--	ND (0.0499)	ND (0.0505)	--	--	ND (0.0491)	--	--	--	ND (0.0475)	ND (0.047)	ND (0.0516)	--	--	ND (0.0546)	--	--	
2-Methylphenol (o-Cresol)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
2-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
3&4-Methylphenol			ND (0.0534)	--	--	ND (0.0506)	--	ND (0.0499)	ND (0.0505)	--	--	ND (0.0491)	--	--	--	ND (0.0475)	ND (0.047)	ND (0.0516)	--	--	ND (0.0546)	--	--	
3,3'-Dichlorobenzidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
3-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4,6-Dinitro-2-methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Bromophenyl phenyl ether (BDE-3)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Chloro-3-methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Chloroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Chlorophenyl phenyl ether	100		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
4-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
4-Nitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Acenaphthene			ND (0.0534)	--	--	ND (0.0506)	--	ND (0.0499)	ND (0.0505)	--	--	ND (0.0491)	--	--	--	ND (0.0475)	ND (0.047)	ND (0.0516)	--	--	ND (0.0546)	--	--	
Acenaphthylene			ND (0.0534)	--	--	ND (0.0506)	--	ND (0.0499)	ND (0.0505)	--	--	ND (0.0491)	--	--	--	ND (0.0475)	ND (0.047)	ND (0.0516)	--	--	ND (0.0546)	--	--	
Acetophenone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Anthracene			ND (0.0534)	--	--	ND (0.0506)	--	0.0533 J	0.0563 J+	--	--	ND (0.0491)	--	--	--	--	ND (0.0475)	ND (0.047)	ND (0.0516)	--	--	ND (0.0546)	--	--
Atrazine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Benzaldehyde			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Benzidine	1		0.0681 J	--	--	ND (0.0506)	--	0.0995 J	0.0853 J+	--	--	0.0673 J	--	--	--	ND (0.0475)	ND (0.047)	0.0634 J	--	--	ND (0.0546)	--	--	
Benzo(a)anthracene			ND (0.0534)	--	--	ND (0.0506)	--	0.0589 J	0.0837 J+	--	--	0.0571 J	--	--	--	ND (0.0475)	ND (0.047)	0.0535 J	--	--	ND (0.0546)	--	--	
Benzo(b)fluoranthene			ND (0.0534)	--	--	ND (0.0506)	--	ND (0.0499)	0.0668 J+	--	--	ND (0.0491)	--	--	--	ND (0.0475)	ND (0.047)	ND (0.0516)	--	--	ND (0.0546)	--	--	
Benzo(g,h,i)perylene			ND (0.0534)	--	--	ND (0.0506)	--	0.0533 J	0.0539 J+	--	--	ND (0.0491)	--	--	--	ND (0.0475)	ND (0.047)	ND (0.0516)	--	--	ND (0.0546)	--	--	
Benzo(k)fluoranthene			ND (0.0534)	--	--	ND (0.0506)	--	ND (0.0499)	0.0724 J+	--	--	ND (0.0491)	--	--	--	ND (0.0475)	ND (0.047)	ND (0.0516)	--	--	ND (0.0546)	--	--	
Benzoic acid			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Benzyl Alcohol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Biphenyl			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
bis(2-Chloroethoxy)methane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
bis(2-Chloroethyl)ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
bis(2-Ethylhexyl)phthalate	0.33		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Butyl benzylphthalate (BBP)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Caprolactam			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			

TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location		NY Part 375	NY Part 375	EP-23	EP-23	EP-23	EP-24	EP-24	EP-25	EP-26	EP-26	EP-26	EP-26	EP-27	EP-27	EP-27	EP-27	EP-28	EP-29	EP-30	EP-30	EP-30	EP-31	EP-31
Sample Name	Lab Sample ID	NY Part 375	NY Part 375	EP-23	EP-23	EP-23	EP-24	EP-24	EP-25	EP-26	EP-26	EP-26	EP-26	EP-27	EP-27	EP-27	EP-27	EP-28	EP-29	EP-30	EP-30	EP-30	EP-31	EP-31
Sample Date	Sample Type	Unrestricted Use	Soil Cleanup	23B0849-09	23B0849-10	23B0849-11	23B1073-01	23B1073-01RE1	23B1073-06	23B0189-07	23B0849-05	23B0849-06	23B0709-07	23B0709-08	23B0709-09	23B0709-14	23B0849-14	23B0135-10	23B0135-01	23B0135-02	23B0135-03	23B0790-07	23B0790-08	
Sample Depth (bgs)	Description	Objectives	Objectives - PFAS	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Sample Depth (bgs)	Description	Objectives	Objectives - PFAS	8 - 8.5 (ft)	10 - 10.5 (ft)	12 - 12.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	10 - 10.5 (ft)	12 - 12.5 (ft)	8 - 8.5 (ft)	10 - 10.5 (ft)	12 - 12.5 (ft)	14 - 14.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	10 - 10.5 (ft)	12 - 12.5 (ft)	8 - 8.5 (ft)	10 - 10.5 (ft)	
Sample Depth (bgs)	Description	Objectives	Objectives - PFAS	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	
Nitrobenzene				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
N-Nitrosodimethylamine				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
N-Nitrosodi-n-propylamine				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
N-Nitrosodiphenylamine				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pentachloronitrobenzene				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pentachlorophenol	0.8			ND (0.0534)	--	--	ND (0.0506)	--	ND (0.0499) J	ND (0.0505)	--	--	ND (0.0491)	--	--	--	ND (0.0475)	ND (0.047)	ND (0.0516)	--	--	ND (0.0546)	--	
Phenanthrene	100			0.12	--	--	0.0702 J	--	0.228 J	0.137 J+	--	--	0.0986	--	--	--	ND (0.0475)	ND (0.047)	0.162	--	--	ND (0.0546)	--	
Phenol	0.33			ND (0.0534)	--	--	ND (0.0506)	--	ND (0.0499)	ND (0.0505)	--	--	ND (0.0491)	--	--	--	ND (0.0475)	ND (0.047)	ND (0.0516)	--	--	ND (0.0546)	--	
Propargite				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pyrene	100			0.137	--	--	0.0807 J	--	0.265 J	0.151 J+	--	--	0.125	--	--	--	ND (0.0475)	ND (0.047)	0.13	--	--	ND (0.0546)	--	
Pyridine				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Resorcinol				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Volatile Organic Compounds (mg/kg)																								
1,1,1-Trichloroethane	0.68			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025)	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
1,1-Dichloroethane	0.27			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025)	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
1,1-Dichloroethene	0.33			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025)	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
1,2,4-Trimethylbenzene	3.6			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025) J	--	--	--	ND (0.0024)	0.005 J	ND (0.0023)	--	--	ND (0.0025)	--	
1,2-Dichlorobenzene	1.1			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025)	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
1,2-Dichloroethane	0.02			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025)	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
1,3,5-Trimethylbenzene	8.4			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025) J	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
1,3-Dichlorobenzene	2.4			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025)	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
1,4-Dichlorobenzene	1.8			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025)	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
1,4-Dioxane	0.1			ND (0.065)	--	--	ND (0.049)	--	ND (0.047)	ND (0.052)	--	--	ND (0.05) J	--	--	--	ND (0.048)	ND (0.055)	ND (0.047)	--	--	ND (0.05)	--	
2-Butanone (Methyl Ethyl Ketone)	0.12			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025)	--	--	--	0.0074	ND (0.0028)	ND (0.0023)	--	--	0.011	--	
2-Phenylbutane (sec-Butylbenzene)	11			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	0.088	--	--	ND (0.0025) J	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
Acetone	0.05			0.039	--	--	0.022	--	0.022	0.014	--	--	0.078	0.015	--	--	0.03	0.0093 J	0.012	--	--	0.043	--	
Benzene	0.06			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025)	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
Carbon tetrachloride	0.76			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025)	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
Chlorobenzene	1.1			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025)	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
Chloroform (Trichloromethane)	0.37			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025)	--	--	--	ND (0.0024)	ND (0.0028)	0.0045 J	--	--	ND (0.0025)	--	
cis-1,2-Dichloroethene	0.25			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025)	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
Cymene (p-Isopropyltoluene)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Ethylbenzene	1			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025)	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
Isopropylbenzene (Cumene)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
m,p-Xylenes				ND (0.0065)	--	--	ND (0.0049)	--	ND (0.0047)	ND (0.0052)	--	--	ND (0.005) J	--	--	--	ND (0.0048)	ND (0.0055)	ND (0.0047)	--	--	ND (0.005)	--	
Methyl Tert Butyl Ether (MTBE)	0.93			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025)	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
Methylene chloride (Dichloromethane)	0.05			ND (0.0065)	--	--	ND (0.0049)	--	ND (0.0047)	ND (0.0052)	--	--	0.029 J+	--	--	--	0.0099	ND (0.0055)	ND (0.0047)	--	--	0.0077 J	--	
Naphthalene	12			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025) J	--	--	--	ND (0.0024)	0.0076 J	ND (0.0023)	--	--	ND (0.0025)	--	
n-Butylbenzene	12			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	0.083	--	--	ND (0.0025) J	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
n-Propylbenzene	3.9			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	0.057	--	--	ND (0.0025)	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
o-Xylene				ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025) J	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
tert-Butylbenzene	5.9			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025) J	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
Tetrachloroethene	1.3			ND (0.0032) J	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025) J	--	--	--	ND (0.0024) J	ND (0.0028) J	ND (0.0023) J	--	--	ND (0.0025) J	--	
Toluene	0.7			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025) J	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
trans-1,2-Dichloroethene	0.19			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025)	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
Trichloroethene	0.47			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025)	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
Vinyl chloride	0.02			ND (0.0032)	--	--	ND (0.0024)	--	ND (0.0024)	ND (0.0026)	--	--	ND (0.0025)	--	--	--	ND (0.0024)	ND (0.0028)	ND (0.0023)	--	--	ND (0.0025)	--	
Xylene (Total)	0.26			ND (0.0097)	--	--	ND (0.0073)	--	ND (0.0071)	ND (0.0077)	--	--	ND (0.0076) J	--	--	--	ND (0.0072)	ND (0.0083)	ND (0.007)	--	--	ND (0.0075)	--	

Notes:
mg/kg: milligram per kilogram
--: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated
J+: Value is estimated, biased high
J-: Value is estimated, biased low
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.
- Shaded values indicate an exceedance of the Unrestricted Use Soil Cleanup Objectives

TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	NY Part 375 Unrestricted Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives - PFAS	EP-31 EP-31_12-12.5 23B0790-09 02/14/2023 Primary 12 - 12.5 (ft) FILL/PIM	EP-31 EP-31_14-14.5 23B0790-10 02/14/2023 Primary 14 - 14.5 (ft) FILL/PIM	EP-31 EP-31_16-16.5 23B0790-11 02/14/2023 Primary 16 - 16.5 (ft) FILL/PIM	EP-31 EP-31_18-18.5 23B0790-12 02/14/2023 Primary 18 - 18.5 (ft) FILL/PIM	EP-32 EP-32_8-8.5 23B0790-13 02/14/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-32 EP-32_10-10.5 23B0790-14 02/14/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-33 EP-33_8-8.5 23B0790-19 02/14/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-33 EP-33_8-8.5 23B0790-19RE1 02/14/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-33 DUP-09_021423 23B0790-25 02/14/2023 Duplicate 8 - 8.5 (ft) FILL/PIM	EP-33 EP-33_10-10.5 23B0790-20 02/14/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-34 EP-34_8-8.5 23B0135-04 02/01/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-34 EP-34_10-10.5 23B0135-05 02/01/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-35 EP-35_8-8.5 23B0135-07 02/01/2023 Primary 8 - 8.5 (ft) FILL	EP-35 EP-35_14-14.5 23B0299-29 02/06/2023 Primary 14 - 14.5 (ft) PIM	EP-36 EP-36_8-8.5 23B0189-04 02/02/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-36 EP-36_10-10.5 23B1422-01 02/24/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-37 EP-37_8-8.5_R 23B0849-47 02/15/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-37 EP-37_10-10.5 23B0849-48 02/15/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-38 EP-38_8-8.5 23B0790-01 02/13/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-39 EP-39_8-8.5 23A1448-13 01/31/2023 Primary 8 - 8.5 (ft) FILL/PIM	
Inorganic Compounds (mg/kg)																							
Aluminum			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Antimony			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	13		--	--	--	--	ND (1.67)	--	8.63	--	13.8	2.15	65	1.52	2.59	2.19	6.54	--	5.32	--	2.78	6.71	
Barium	350		--	--	--	--	113	--	123 J	--	60.3 J	--	51.9	--	89	47.5	117	--	106	--	107	317	
Beryllium	7.2		--	--	--	--	0.586	--	0.618	--	ND (0.052) J	--	0.792	--	0.917	0.881	1.42	--	ND (0.049)	--	0.662	0.577	
Cadmium	2.5		--	--	--	--	0.682	--	0.522	--	ND (0.31)	--	1.96	--	ND (0.317)	ND (0.29)	ND (0.337)	--	0.4 J	--	0.592	0.405	
Calcium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Chromium			--	--	--	--	29.7	--	19.4	--	20.3	--	23.8	--	19.5	11.9	22.1	--	21.5	--	21.9	22.5	
Cobalt			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Copper	50		--	--	--	--	35.8	--	46.8 J	--	21.6 J	--	118	39.5	34.7	15.8	36.2	--	41.4 J	--	22.8	39.9	
Iron			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Lead	63		76.4	188	72.3	50.1	48.1	--	122 J	--	29.2 J+	9.28	104	44.5	59.5	7.67	110	12.3	84.2 J	50	38.3 J	154	
Magnesium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Manganese	1600		--	--	--	--	341	--	342 J	--	689 J	--	632	--	305	428	359	--	441	--	435	440	
Mercury	0.18		--	--	--	--	0.372	0.102	0.266	--	0.198	ND (0.0384)	0.712	0.172 J	0.0887	ND (0.0348)	0.257	ND (0.0335)	0.221 J	0.113	ND (0.0338)	0.407	
Nickel	30		--	--	--	--	26.2	--	18.8	--	19.2	--	30	--	18.6	12.9	18.9	--	19.3	--	19.6	20.9	
Potassium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Selenium	3.9		--	--	--	--	ND (2.78) J	--	ND (2.48) J	--	6.67 J	ND (2.22) J	ND (2.33)	--	ND (2.64)	ND (2.41) J	ND (2.81)	--	ND (2.42) J	--	ND (2.35) J	ND (2.46) J	
Silver	2		--	--	--	--	ND (0.56)	--	ND (0.501)	--	ND (0.521)	--	ND (0.469)	--	ND (0.533)	ND (0.487)	ND (0.566)	--	ND (0.489)	--	ND (0.474)	ND (0.496)	
Sodium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Thallium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Vanadium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Zinc	109		60.9	--	--	--	108	--	130 J	--	56.4 J	67	94.7	--	75.6	30.2	112	67.3	139 J	56.1	81	179	
Other (%)																							
Percent Solids, weight			86.2 J	79.6 J	73.6 J	79.6 J	75	74.6 J	83.9	--	80.7	78.2 J	89.5	91.1 J	78.8	86.3	74.2	89.7	86	81 J	88.7	84.7	
Pesticides (mg/kg)																							
4,4'-DDD	0.0033		--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207)	ND (0.00191)	ND (0.0022)	--	ND (0.00191)	--	ND (0.00182)	ND (0.00191)	
4,4'-DDE	0.0033		--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207) J	ND (0.00191)	0.00262	--	ND (0.00191)	--	ND (0.00182)	0.00485	
4,4'-DDT	0.0033		--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	0.00271	ND (0.00191)	0.0109	ND (0.00183)	ND (0.00191)	--	ND (0.00182)	0.0218	
Aldrin	0.005		--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207)	ND (0.00191)	ND (0.0022)	--	ND (0.00191)	--	ND (0.00182)	ND (0.00191)	
alpha-BHC	0.02		--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207)	ND (0.00191)	ND (0.0022)	--	ND (0.00191)	--	ND (0.00182)	ND (0.00191)	
alpha-Chlordane (cis)	0.094		--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207)	ND (0.00191)	ND (0.0022)	--	ND (0.00191)	--	ND (0.00182)	ND (0.00191)	
beta-BHC	0.036		--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207)	ND (0.00191)	ND (0.0022)	--	ND (0.00191)	--	ND (0.00182)	ND (0.00191)	
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
delta-BHC	0.04		--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207)	ND (0.00191)	ND (0.0022)	--	ND (0.00191)	--	ND (0.00182)	ND (0.00191)	
Dieldrin	0.005		--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207)	ND (0.00191)	ND (0.0022)	--	ND (0.00191)	--	ND (0.00182)	ND (0.00191)	
Endosulfan I	2.4		--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207)	ND (0.00191)	ND (0.0022)	--	ND (0.00191)	--	ND (0.00182)	ND (0.00191)	
Endosulfan II	2.4		--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207)	ND (0.00191)	ND (0.0022)	--	ND (0.00191)	--	ND (0.00182)	ND (0.00191)	
Endosulfan sulfate	2.4		--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207)	ND (0.00191)	ND (0.0022)	--	ND (0.00191)	--	ND (0.00182)	ND (0.00191)	
Endrin	0.014		--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207)	ND (0.00191)	ND (0.0022)	--	ND (0.00191)	--	ND (0.00182)	ND (0.00191)	
Endrin aldehyde			--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207)	ND (0.00191)	ND (0.0022)	--	ND (0.00191)	--	ND (0.00182)	ND (0.00191)	
Endrin ketone			--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207)	ND (0.00191)	ND (0.0022)	--	ND (0.00191)	--	ND (0.00182)	ND (0.00191)	
gamma-BHC (Lindane)	0.1		--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207)	ND (0.00191)	ND (0.0022)	--	ND (0.00191)	--	ND (0.00182)	ND (0.00191)	
gamma-Chlordane (trans)			--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207)	ND (0.00191)	ND (0.0022)	--	ND (0.00191)	--	ND (0.00182)	ND (0.00191) J	
Heptachlor	0.042		--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207)	ND (0.00191)	ND (0.0022)	--	ND (0.00191)	--	ND (0.00182)	ND (0.00191)	
Heptachlor epoxide			--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207)	ND (0.00191)	ND (0.0022)	--	ND (0.00191)	--	ND (0.00182)	ND (0.00191)	
Methoxychlor			--	--	--	--	ND (0.00216)	--	ND (0.00191)	--	ND (0.00204)	--	ND (0.00183)	--	ND (0.00207)	ND (0.00191)	ND (0.0022)	--	ND (0.00191)	--	ND (0.00182)	ND (0.00191)	
Toxaphene			--	--	--	--	ND (0.216)	--	ND (0.191)	--	ND (0.204)	--	ND (0.183)	--	ND (0.207)	ND (0.191)	ND (0.22)	--	ND (0.191)	--	ND (0.182)	ND (0.191)	
PFAS (mg/kg)																							
6:2 Fluorotelomer sulfonic acid (6:2 FTS)			--	--	--	--	ND (0.000307) J	--	ND (0.000292) J	--	ND (0.000307) J	--	ND (0.000278)	--	ND (0.000308) J	ND (0.000265)	ND (0.00033)	--	ND (0.000284) J	--	ND (0.00028) J	ND (0.000276)	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)			--	--	--	--	ND (0.000307) J	--	ND (0.000292) J	--	ND (0.000307) J	--	ND (0.000278)	--	ND (0.000308) J	ND (0.000265)	ND (0.00033)	--	ND (0.000284) J	--	ND (0.00028) J	ND (0.000276) J	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NeTFOSAA)			--	--	--	--	ND (0.000307)	--	ND (0.000292)	--	ND (0.000307)	--	ND (0.000278)	--	ND (0.000308)	ND (0.000265)	ND (0.00033)	--	ND (0.000284) J	--	ND (0.00028)	ND (0.000276)	
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)			--	--	--	--	ND (0.000307)	--	ND (0.000292)	--	ND (0.000307)	--	ND (0.000278)	--	ND (0.000308)	ND (0.000265)	ND (0.00033)	--	ND (0.000284)	--	ND (0.00028)	ND (0.000276)	
Perfluorobutanesulfonic acid (PFBS)			--	--	--	--	ND (0.000307)	--	ND (0.000292)	--	ND (0.000307)	--	ND (0.000278)	--	ND (0.000308)	ND (0.000265)	ND (0.00033)	--	ND (0.000284)	--	ND (0.00028)	ND (0.000276)	
Perfluorobutanoic acid (PFBA)			--	--	--	--	ND (0.000307)	--	ND (0.000292)	--	ND (0.000307)	--	ND (0.000278)	--	ND (0.000308)	ND (0.000265)	ND (0.00033)	--	ND (0.000284)	--	ND (0.00028)	ND (0.000276)	
Perfluorodecanesulfonic acid (PFDS)			--	--	--	--	ND (0.000307)	--	ND (0.000292)	--	ND (0.000307)	--	ND (0.000278)	--	ND (0.000308)	ND (0.000265)	ND (0.00033)	--	ND (0.000284)	--	ND (0.00028)	ND (0.000276)	
Perfluorodecanoic acid (PFDA)			--	--	--	--	ND (0.000307)	--	ND (0.000292)	--	ND (0.000307)	--	ND (0.000278)	--	ND (0.000308)	ND (0.000265)	ND (0.00033)	--	ND (0.000284)	--	ND (0.00028)	ND (0.000276)	
Perfluorododecanoic acid (PFDoDA)			--	--	--	--	ND (0.000307)	--	ND (0.000292)	--	ND (0.000307)	--	ND (0.000278)	--	ND (0.000308)	ND							

TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location	Sample Name	Lab Sample ID	Sample Date	Sample Type	Sample Depth (bgs)	Description	NY Part 375 Unrestricted Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives - PFAS	EP-31 EP-31_12-12.5 23B0790-09 02/14/2023 Primary 12 - 12.5 (ft) FILL/PIM	EP-31 EP-31_14-14.5 23B0790-10 02/14/2023 Primary 14 - 14.5 (ft) FILL/PIM	EP-31 EP-31_16-16.5 23B0790-11 02/14/2023 Primary 16 - 16.5 (ft) FILL/PIM	EP-31 EP-31_18-18.5 23B0790-12 02/14/2023 Primary 18 - 18.5 (ft) FILL/PIM	EP-32 EP-32_8-8.5 23B0790-13 02/14/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-32 EP-32_10-10.5 23B0790-14 02/14/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-33 EP-33_8-8.5 23B0790-19 02/14/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-33 EP-33_8-8.5 23B0790-19RE1 02/14/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-33 DUP-09_021423 23B0790-25 02/14/2023 Duplicate 8 - 8.5 (ft) FILL/PIM	EP-33 EP-33_10-10.5 23B0790-20 02/14/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-34 EP-34_8-8.5 23B0135-04 02/01/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-34 EP-34_10-10.5 23B0135-05 02/01/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-35 EP-35_8-8.5 23B0135-07 02/01/2023 Primary 8 - 8.5 (ft) FILL	EP-35 EP-35_14-14.5 23B0299-29 02/06/2023 Primary 14 - 14.5 (ft) PIM	EP-36 EP-36_8-8.5 23B0189-04 02/02/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-36 EP-36_10-10.5 23B1422-01 02/24/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-37 EP-37_8-8.5_R 23B0849-47 02/15/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-37 EP-37_10-10.5 23B0849-48 02/15/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-38 EP-38_8-8.5 23B0790-01 02/13/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-39 EP-39_8-8.5 23A1448-13 01/31/2023 Primary 8 - 8.5 (ft) FILL/PIM		
Semi-Volatile Organic Compounds (mg/kg)																														
1,2,4,5-Tetrachlorobenzene																														
1,2,4-Trichlorobenzene																														
1,2-Dichlorobenzene																														
1,2-Diphenylhydrazine																														
1,3-Dichlorobenzene																														
1,4-Dichlorobenzene																														
1,4-Dioxane																														
1-Methylnaphthalene																														
2,2'-oxybis(1-Chloropropane)																														
2,2'-oxybis(2-Chloropropane)																														
2,3,4,6-Tetrachlorophenol																														
2,4,5-Trichlorophenol																														
2,4,6-Trichlorophenol																														
2,4-Dichlorophenol																														
2,4-Dimethylphenol																														
2,4-Dinitrophenol																														
2,4-Dinitrotoluene																														
2,6-Dinitrotoluene																														
2-Chloronaphthalene																														
2-Chlorophenol																														
2-Methylnaphthalene																														
2-Methylphenol (o-Cresol)																														
2-Nitroaniline																														
2-Nitrophenol																														
3&4-Methylphenol																														
3,3'-Dichlorobenzidine																														
3-Nitroaniline																														
4,6-Dinitro-2-methylphenol																														
4-Bromophenyl phenyl ether (BDE-3)																														
4-Chloro-3-methylphenol																														
4-Chloroaniline																														
4-Chlorophenyl phenyl ether																														
4-Nitroaniline																														
4-Nitrophenol																														
Acenaphthene																														
Acenaphthylene																														
Acetophenone																														
Aniline																														
Anthracene																														
Atrazine																														
Benzaldehyde																														
Benzidine																														
Benzo(a)anthracene																														
Benzo(a)pyrene																														
Benzo(b)fluoranthene																														
Benzo(g,h,i)perylene																														
Benzo(k)fluoranthene																														
Benzoic acid																														
Benzyl Alcohol																														
Biphenyl																														
bis(2-Chloroethoxy)methane																														
bis(2-Chloroethyl)ether																														
bis(2-Ethylhexyl)phthalate																														
Butyl benzylphthalate (BBP)																														
Caprolactam																														
Carbazole																														
Chrysene																														
Dibenz(a,h)anthracene																														
Dibenzofuran																														
Diethyl phthalate																														
Dimethyl phthalate																														
Di-n-butylphthalate (DBP)																														
Di-n-octyl phthalate (DnOP)																														
Diphenylamine																														
Ethyl Parathion																														
Fluoranthene																														
Fluorene																														
Hexachlorobenzene																														
Hexachlorobutadiene																														
Hexachlorocyclopentadiene																														
Hexachloroethane																														
Indeno(1,2,3-cd)pyrene																														
Isophorone																														
Methylphenol (Cresol)																														
Naphthalene																														

TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location	Sample Name	Lab Sample ID	Sample Date	Sample Type	Sample Depth (bgs)	Description	NY Part 375 Unrestricted Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives - PFAS	EP-31 EP-31_12-12.5 23B0790-09 02/14/2023 Primary 12 - 12.5 (ft) FILL/PIM	EP-31 EP-31_14-14.5 23B0790-10 02/14/2023 Primary 14 - 14.5 (ft) FILL/PIM	EP-31 EP-31_16-16.5 23B0790-11 02/14/2023 Primary 16 - 16.5 (ft) FILL/PIM	EP-31 EP-31_18-18.5 23B0790-12 02/14/2023 Primary 18 - 18.5 (ft) FILL/PIM	EP-32 EP-32_8-8.5 23B0790-13 02/14/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-32 EP-32_10-10.5 23B0790-14 02/14/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-33 EP-33_8-8.5 23B0790-19 02/14/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-33 EP-33_8-8.5 23B0790-19RE1 02/14/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-33 DUP-09_021423 23B0790-25 02/14/2023 Duplicate 8 - 8.5 (ft) FILL/PIM	EP-33 EP-33_10-10.5 23B0790-20 02/14/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-34 EP-34_8-8.5 23B0135-04 02/01/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-34 EP-34_10-10.5 23B0135-05 02/01/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-35 EP-35_8-8.5 23B0135-07 02/01/2023 Primary 8 - 8.5 (ft) FILL	EP-35 EP-35_14-14.5 23B0299-29 02/06/2023 Primary 14 - 14.5 (ft) PIM	EP-36 EP-36_8-8.5 23B0189-04 02/02/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-36 EP-36_10-10.5 23B1422-01 02/24/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-37 EP-37_8-8.5_R 23B0849-47 02/15/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-37 EP-37_10-10.5 23B0849-48 02/15/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-38 EP-38_8-8.5 23B0790-01 02/13/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-39 EP-39_8-8.5 23A1448-13 01/31/2023 Primary 8 - 8.5 (ft) FILL/PIM		
Nitrobenzene									--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.0481)	--	--	--	--	--	--	ND (0.0485)	
N-Nitrosodimethylamine									--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.0481)	--	--	--	--	--	--	ND (0.0485)	
N-Nitrosodi-n-propylamine									--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.0481)	--	--	--	--	--	--	ND (0.0485)	
N-Nitrosodiphenylamine									--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.0481)	--	--	--	--	--	--	ND (0.0485)	
Pentachloronitrobenzene									--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.096)	--	--	--	--	--	--	ND (0.0969)	
Pentachlorophenol	0.8								--	--	--	--	ND (0.0553)	--	ND (0.0495)	--	ND (0.0516)	ND (0.0523)	ND (0.0461)	--	ND (0.0521)	ND (0.0481)	ND (0.0558)	--	ND (0.0478)	--	ND (0.0468)	--	ND (0.0485)	
Phenanthrene	100								--	--	--	--	0.146	--	--	15.5 J	0.194 J	ND (0.0523)	0.226	--	0.335	ND (0.0481)	0.0694 J+	--	0.0992 J	--	1.05 J	0.48		
Phenol	0.33								--	--	--	--	ND (0.0553)	--	ND (0.0495)	--	ND (0.0516)	ND (0.0523)	ND (0.0461)	--	ND (0.0521)	ND (0.0481)	ND (0.0558)	--	ND (0.0478)	--	ND (0.0468)	ND (0.0485)		
Propargite									--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.192)	--	--	--	--	--	--	ND (0.194)	
Pyrene	100								--	--	--	--	0.209	--	--	11.4 J	0.422 J	ND (0.0523)	0.227	--	0.237	ND (0.0481)	0.0898 J+	--	0.209 J	--	0.969 J	0.607		
Pyridine									--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.192)	--	--	--	--	--	--	ND (0.194)	
Resorcinol									--	--	--	--	--	--	--	--	--	--	--	--	--	ND (0.192)	--	--	--	--	--	--	ND (0.194)	
Volatile Organic Compounds (mg/kg)																														
1,1,1-Trichloroethane	0.68								--	--	--	--	ND (0.0024)	--	ND (0.0026)	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028)	ND (0.0027)	--	ND (0.0026)	--	ND (0.002) J	ND (0.0023)		
1,1-Dichloroethane	0.27								--	--	--	--	ND (0.0024)	--	ND (0.0026)	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028)	ND (0.0027)	--	ND (0.0026)	--	ND (0.002) J	ND (0.0023)		
1,1-Dichloroethene	0.33								--	--	--	--	ND (0.0024)	--	ND (0.0026)	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028)	ND (0.0027)	--	ND (0.0026)	--	ND (0.002) J	ND (0.0023)		
1,2,4-Trimethylbenzene	3.6								--	--	--	--	ND (0.0024) J	--	ND (0.0026) J	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028) J	ND (0.0027)	--	ND (0.0026)	--	ND (0.002) J	ND (0.0023)		
1,2-Dichlorobenzene	1.1								--	--	--	--	ND (0.0024)	--	ND (0.0026)	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028)	ND (0.0027)	--	ND (0.0026) J	--	ND (0.002) J	ND (0.0023)		
1,2-Dichloroethane	0.02								--	--	--	--	ND (0.0024)	--	ND (0.0026)	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028)	ND (0.0027)	--	ND (0.0026)	--	ND (0.002) J	ND (0.0023)		
1,3,5-Trimethylbenzene	8.4								--	--	--	--	ND (0.0024) J	--	ND (0.0026) J	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028) J	ND (0.0027)	--	ND (0.0026)	--	ND (0.002) J	ND (0.0023)		
1,3-Dichlorobenzene	2.4								--	--	--	--	ND (0.0024)	--	ND (0.0026)	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028)	ND (0.0027)	--	ND (0.0026) J	--	ND (0.002) J	ND (0.0023)		
1,4-Dichlorobenzene	1.8								--	--	--	--	ND (0.0024)	--	ND (0.0026)	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028)	ND (0.0027)	--	ND (0.0026) J	--	ND (0.002) J	ND (0.0023)		
1,4-Dioxane	0.1								--	--	--	--	ND (0.048)	--	ND (0.053)	--	ND (0.062)	--	ND (0.046)	--	ND (0.061)	ND (0.057)	ND (0.054)	--	ND (0.052)	--	ND (0.039)	ND (0.045)		
2-Butanone (Methyl Ethyl Ketone)	0.12								--	--	--	--	ND (0.0024)	--	0.0097 J	--	0.021 J	--	0.0027 J	--	ND (0.003)	ND (0.0028)	0.005 J	--	ND (0.0026)	--	ND (0.002)	ND (0.0023)		
2-Phenylbutane (sec-Butylbenzene)	11								--	--	--	--	ND (0.0024) J	--	ND (0.0026) J	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028) J	ND (0.0027)	--	ND (0.0026)	--	ND (0.002)	ND (0.0023)		
Acetone	0.05								--	--	--	--	0.018	--	--	0.054	--	0.063	0.022	--	0.013	ND (0.0057)	0.027	--	ND (0.0052)	--	ND (0.0039)	ND (0.0045)		
Benzene	0.06								--	--	--	--	ND (0.0024)	--	ND (0.0026)	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028)	ND (0.0027)	--	ND (0.0026)	--	ND (0.002) J	ND (0.0023)		
Carbon tetrachloride	0.76								--	--	--	--	ND (0.0024)	--	ND (0.0026)	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028)	ND (0.0027)	--	ND (0.0026)	--	ND (0.002) J	ND (0.0023)		
Chlorobenzene	1.1								--	--	--	--	ND (0.0024)	--	ND (0.0026)	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028)	ND (0.0027)	--	ND (0.0026)	--	ND (0.002) J	ND (0.0023)		
Chloroform (Trichloromethane)	0.37								--	--	--	--	ND (0.0024)	--	ND (0.0026)	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028)	ND (0.0027)	--	ND (0.0026)	--	ND (0.002) J	ND (0.0023)		
cis-1,2-Dichloroethene	0.25								--	--	--	--	ND (0.0024)	--	ND (0.0026)	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028)	ND (0.0027)	--	ND (0.0026)	--	ND (0.002) J	ND (0.0023)		
Cymene (p-Isopropyltoluene)									--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Ethylbenzene	1								--	--	--	--	ND (0.0024)	--	ND (0.0026)	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028)	ND (0.0027)	--	ND (0.0026) J	--	ND (0.002) J	ND (0.0023)		
Isopropylbenzene (Cumene)									--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
m,p-Xylenes									--	--	--	--	ND (0.0048)	--	ND (0.0053)	--	ND (0.0062)	--	ND (0.0046)	--	ND (0.0061)	ND (0.0057)	ND (0.0054)	--	ND (0.0052)	--	ND (0.0039) J	ND (0.0045)		
Methyl Tert Butyl Ether (MTBE)	0.93								--	--	--	--	ND (0.0024)	--	ND (0.0026)	--	ND (0.0031)	--	0.0041 J	--	ND (0.003)	ND (0.0028)	ND (0.0027)	--	ND (0.0026)	--	ND (0.002)	ND (0.0023)		
Methylene chloride (Dichloromethane)	0.05								--	--	--	--	ND (0.0097)	--	ND (0.011)	--	0.012	--	ND (0.0046)	--	ND (0.0061)	0.0079 J	ND (0.0054)	--	ND (0.0052)	--	ND (0.0078)	ND (0.0045)		
Naphthalene	12								--	--	--	--	ND (0.0024) J	--	ND (0.0026) J	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	0.0033 J	ND (0.0027)	--	ND (0.0026)	--	ND (0.002)	ND (0.0023)		
n-Butylbenzene	12								--	--	--	--	ND (0.0024) J	--	ND (0.0026) J	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028) J	ND (0.0027)	--	ND (0.0026)	--	ND (0.002)	ND (0.0023)		
n-Propylbenzene	3.9								--	--	--	--	ND (0.0024)	--	ND (0.0026)	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028)	ND (0.0027)	--	ND (0.0026)	--	ND (0.002)	ND (0.0023)		
o-Xylene									--	--	--	--	ND (0.0024)	--	ND (0.0026)	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028)	ND (0.0027)	--	ND (0.0026)	--	ND (0.002) J	ND (0.0023)		
tert-Butylbenzene	5.9								--	--	--	--	ND (0.0024) J	--	ND (0.0026) J	--	ND (0.0031)	--	ND (0.0023)	--	ND (0.003)	ND (0.0028) J	ND (0.0027)	--	ND (0.0026)	--	ND (0.002)	ND (0.0023)		
Tetrachloroethene	1.3								--	--	--	--	ND (0.0024) J	--	ND (0.0026) J	--	ND (0.0031) J	--	ND (0.0023) J	--	ND (0.003) J	ND (0.0028) J	ND (0.0027)	--						

Notes:
mg/kg: milligram per kilogram
--: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated
J+: Value is estimated, biased high
J-: Value is estimated, biased low
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.
- Shaded values indicate an exceedance of the Unrestricted Use Soil Cleanup Objectives

TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location	Sample Name	Lab Sample ID	Sample Date	Sample Type	Sample Depth (bgs)	Description	NY Part 375 Unrestricted Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives - PFAS	EP-39 10-10.5 23A1448-16 01/31/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-40 8-8.5 23A1448-12 01/31/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-40 DUP-05_013123 23A1448-18 01/31/2023 Duplicate 8 - 8.5 (ft) FILL/PIM	EP-40 10-10.5 23A1448-15 01/31/2023 Primary 10 - 10.5 (ft) FILL/PIM	EP-41 2-2.5 L2255968-01 10/07/2022 Primary 2 - 2.5 (ft) FILL	EP-42 2-2.5 L2255968-02 10/07/2022 Primary 2 - 2.5 (ft) FILL	EP-42 4-4.5 22K0264-06 11/03/2022 Primary 4 - 4.5 (ft) FILL	EP-43 2-2.5 L2255968-03 10/07/2022 Primary 2 - 2.5 (ft) FILL	EP-43 4-4.5 22K0264-07 11/03/2022 Primary 4 - 4.5 (ft) FILL	EP-43 6-6.5 23B0048-03 02/01/2023 Primary 6 - 6.5 (ft) FILL	EP-44 2-2.5 22K0010-01 11/01/2022 Primary 2 - 2.5 (ft) FILL	EP-44 4-4.5 23A1448-01 01/30/2023 Primary 4 - 4.5 (ft) FILL/PIM	EP-44 6-6.5 23B0368-05 02/07/2023 Primary 6 - 6.5 (ft) FILL/PIM	EP-44 8-8.5 23B0368-06 02/07/2023 Primary 8 - 8.5 (ft) FILL/PIM	EP-45 2-2.5 L2255968-04 10/07/2022 Primary 2 - 2.5 (ft) FILL	EP-45 4-4.5 23B0368-01 02/07/2023 Primary 4 - 4.5 (ft) FILL/PIM	EP-45 DUP-06_020723 23B0368-03 02/07/2023 Duplicate 4 - 4.5 (ft) FILL/PIM	EP-46 2-2.5 L2255968-05 10/07/2022 Primary 2 - 2.5 (ft) FILL	EP-46 4-4.5 23B0368-02 02/07/2023 Primary 4 - 4.5 (ft) FILL/PIM	EP-46 DUP-07_020723 23B0368-04 02/07/2023 Duplicate 4 - 4.5 (ft) FILL/PIM
Semi-Volatile Organic Compounds (mg/kg)																												
							1.1		--	ND (0.0981)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	0.0936 R	--	ND (0.0947)	--	ND (0.21)	ND (0.0902)	ND (0.0929)	ND (0.22)	ND (0.0921)	ND (0.0912)
									--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	--	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)
									--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	--	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)
							2.4		--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	--	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)
							1.8		--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	--	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)
							0.1		--	ND (0.0196)	--	--	ND (0.029)	ND (0.38)	--	ND (0.31)	--	--	ND (0.0196)	--	ND (0.0185)	--	ND (0.032)	ND (0.0187)	ND (0.0196)	ND (0.033)	ND (0.0196)	ND (0.0198)
									--	ND (0.0981)	--	--	--	--	--	--	--	--	--	--	ND (0.0947)	--	--	ND (0.0902)	ND (0.0929)	--	ND (0.0921)	ND (0.0912)
									--	--	--	--	ND (0.23)	ND (3.1)	--	ND (2.5)	--	--	--	--	--	--	ND (0.26)	--	--	ND (0.26)	--	--
									--	ND (0.0492)	--	--	--	--	--	--	--	--	0.0469 R	--	ND (0.0475)	--	--	ND (0.0452)	ND (0.0466)	--	ND (0.0462)	ND (0.0457)
									--	ND (0.0981)	--	--	--	--	--	--	--	--	0.0936 R	--	ND (0.0947)	--	--	ND (0.0902)	ND (0.0929)	--	ND (0.0921)	ND (0.0912)
									--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	0.0469 R	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)
									--	ND (0.0492)	--	--	ND (0.12)	ND (1.5)	--	ND (1.2)	--	--	0.0469 R	--	ND (0.0475)	--	ND (0.13)	ND (0.0452)	ND (0.0466)	ND (0.13)	ND (0.0462)	ND (0.0457)
									--	ND (0.0492)	--	--	ND (0.18)	ND (2.3)	--	ND (1.9)	--	--	0.0469 R	--	ND (0.0475)	--	ND (0.19)	ND (0.0452)	ND (0.0466)	ND (0.2)	ND (0.0462)	ND (0.0457)
									--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	ND (0.0469)	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)
									--	ND (0.0981)	--	--	ND (0.94)	ND (12)	--	ND (9.9)	--	--	0.0936 R	--	ND (0.0947)	--	ND (1)	ND (0.0902)	ND (0.0929)	ND (1)	ND (0.0921)	ND (0.0912)
									--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	0.0469 R	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)
									--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	0.0469 R	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)
									--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	0.0469 R	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)
									--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	0.0469 R	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)
									--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	0.0469 R	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)
									--	ND (0.0492)	--	--	ND (0.23)	0.43 J	--	0.36 J	--	--	0.0469 R	--	ND (0.0475)	--	0.04 J	ND (0.0452)	ND (0.0466)	0.046 J	ND (0.0462)	ND (0.0457)
									--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	0.0469 R	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)
									--	ND (0.0981)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	0.0936 R	--	ND (0.0947)	--	ND (0.21)	ND (0.0902)	ND (0.0929)	ND (0.22)	ND (0.0921)	ND (0.0912)
									--	ND (0.0492)	--	--	ND (0.42)	ND (5.5)	--	ND (4.5)	--	--	0.0469 R	--	ND (0.0475)	--	ND (0.46)	ND (0.0452)	ND (0.0466)	ND (0.47)	ND (0.0462)	ND (0.0457)
									--	ND (0.0492)	--	--	ND (0.28)	ND (3.7)	--	ND (3)	--	--	ND (0.0469)	--	ND (0.0475)	--	ND (0.31)	ND (0.0452)	ND (0.0466)	ND (0.32)	ND (0.0462)	ND (0.0457)
									--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	0.0469 R	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)
									--	ND (0.0981)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	0.0936 R	--	ND (0.0947)	--	ND (0.21)	ND (0.0902)	ND (0.0929)	ND (0.22)	ND (0.0921)	ND (0.0912)
									--	ND (0.0981)	--	--	ND (0.51)	ND (6.6)	--	ND (5.4)	--	--	0.0936 R	--	ND (0.0947)	--	ND (0.56)	ND (0.0902)	ND (0.0929)	ND (0.57)	ND (0.0921)	ND (0.0912)
									--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	ND (0.0469)	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)
									--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	0.0469 R	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)
									--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	ND (0.0469)	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)
									--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	ND (0.0469)	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)
									--	ND (0.0981)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	ND (0.0936)	--	ND (0.0947)	--	ND (0.21)	ND (0.0902)	ND (0.0929)	0.26	ND (0.0921)	ND (0.0912)
									--	ND (0.0981)	--	--	ND (0.27)	ND (3.6)	--	ND (2.9)	--	--	ND (0.0936)	--	ND (0.0947)	--	ND (0.3)	ND (0.0902)	ND (0.0929)	ND (0.31)	ND (0.0921)	ND (0.0912)
							20		--	0.0761 J	--	--	ND (0.16)	0.83 J	ND (0.048)	0.73 J												

Location		NY Part 375 Unrestricted Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives - PFAS	EP-39	EP-40	EP-40	EP-40	EP-41	EP-42	EP-42	EP-43	EP-43	EP-43	EP-44	EP-44	EP-44	EP-44	EP-45	EP-45	EP-45	EP-46	EP-46	EP-46						
Sample Name	Lab Sample ID			Sample Date	Sample Type	Sample Depth (bgs)	Description	EP-39_10-10.5	EP-40_8-8.5	DUP-05_013123	EP-40_10-10.5	EP-41_2-2.5	EP-42_2-2.5	EP-42_4-4.5	EP-43_2-2.5	EP-43_4-4.5	EP-43_6-6.5	EP-44_2-2.5	EP-44_4-4.5	EP-44_6-6.5	EP-44_8-8.5	EP-45_2-2.5	EP-45_4-4.5	DUP-06_020723	EP-46_2-2.5	EP-46_4-4.5	DUP-07_020723		
Sample Date	Soil Cleanup			Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Sample Type	Objectives			10 - 10.5 (ft)	8 - 8.5 (ft)	8 - 8.5 (ft)	10 - 10.5 (ft)	2 - 2.5 (ft)	2 - 2.5 (ft)	4 - 4.5 (ft)	2 - 2.5 (ft)	4 - 4.5 (ft)	6 - 6.5 (ft)	4 - 4.5 (ft)	6 - 6.5 (ft)	2 - 2.5 (ft)	4 - 4.5 (ft)	6 - 6.5 (ft)	8 - 8.5 (ft)	2 - 2.5 (ft)	4 - 4.5 (ft)	4 - 4.5 (ft)	2 - 2.5 (ft)	4 - 4.5 (ft)	4 - 4.5 (ft)	2 - 2.5 (ft)	4 - 4.5 (ft)	4 - 4.5 (ft)	
Description	Objectives			FILL/PIM	FILL/PIM	FILL/PIM	FILL/PIM	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL	FILL/PIM	FILL/PIM	FILL	FILL/PIM	FILL/PIM	FILL	FILL	FILL/PIM	FILL	FILL	FILL/PIM	FILL/PIM
Nitrobenzene				--	ND (0.0492)	--	--	ND (0.18)	ND (2.3)	--	ND (1.9)	--	--	0.0469 R	--	ND (0.0475)	--	ND (0.19)	ND (0.0452)	ND (0.0466)	ND (0.2)	ND (0.0462)	ND (0.0457)						
N-Nitrosodimethylamine				--	ND (0.0492)	--	--	--	--	--	--	--	--	--	--	ND (0.0475)	--	--	ND (0.0452)	ND (0.0466)	--	ND (0.0462)	ND (0.0457)						
N-Nitrosodi-n-propylamine				--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	0.0469 R	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)						
N-Nitrosodiphenylamine				--	ND (0.0492)	--	--	ND (0.16)	ND (2)	--	ND (1.6)	--	--	0.0469 R	--	ND (0.0475)	--	ND (0.17)	ND (0.0452)	ND (0.0466)	ND (0.18)	ND (0.0462)	ND (0.0457)						
Pentachloronitrobenzene				--	ND (0.0981)	--	--	--	--	--	--	--	--	--	--	ND (0.0947)	--	--	ND (0.0902)	ND (0.0929)	--	ND (0.0921)	ND (0.0912)						
Pentachlorophenol	0.8			--	ND (0.0492)	--	--	ND (0.16)	ND (2)	--	ND (1.6)	--	--	ND (0.0469)	--	ND (0.0475)	--	ND (0.17)	ND (0.0452)	ND (0.0466)	ND (0.18)	ND (0.0462)	ND (0.0457)						
Phenanthrene	100			--	0.944	--	--	0.068 J	33	ND (0.048)	24	ND (0.0467)	--	0.28 J-	--	ND (0.0475)	--	1.4	ND (0.0452)	ND (0.0466)	1.5	ND (0.0462) J	0.211 J						
Phenol	0.33			--	ND (0.0492)	--	--	ND (0.2)	ND (2.6)	--	ND (2.1)	--	--	ND (0.0469)	--	ND (0.0475)	--	ND (0.21)	ND (0.0452)	ND (0.0466)	ND (0.22)	ND (0.0462)	ND (0.0457)						
Propargite				--	ND (0.196)	--	--	--	--	--	--	--	--	--	--	ND (0.19)	--	--	ND (0.181)	ND (0.186)	--	ND (0.185)	ND (0.183)						
Pyrene	100			--	0.793	--	--	0.041 J	46	ND (0.048)	31	ND (0.0467)	--	0.669 J-	--	0.156	--	3.4	0.0995	ND (0.0466)	2.8	ND (0.0462) J	0.284 J						
Pyridine				--	ND (0.196)	--	--	--	--	--	--	--	--	--	--	ND (0.19)	--	--	ND (0.181)	ND (0.186)	--	ND (0.185)	ND (0.183)						
Resorcinol				--	ND (0.196)	--	--	--	--	--	--	--	--	--	--	ND (0.19)	--	--	ND (0.181)	ND (0.186)	--	ND (0.185)	ND (0.183)						
Volatile Organic Compounds (mg/kg)																													
1,1,1-Trichloroethane	0.68			--	ND (0.0028)	--	--	ND (0.0005)	ND (0.00085)	--	ND (0.00082)	--	--	ND (0.0023)	--	--	ND (0.0026)	ND (0.00056)	ND (0.0026)	ND (0.0024)	ND (0.00078)	ND (0.0039)	ND (0.0021)						
1,1-Dichloroethane	0.27			--	ND (0.0028)	--	--	ND (0.001)	ND (0.0017)	--	ND (0.0016)	--	--	ND (0.0023)	--	--	ND (0.0026)	ND (0.0011)	ND (0.0026)	ND (0.0024)	ND (0.0016)	ND (0.0039)	ND (0.0021)						
1,1-Dichloroethene	0.33			--	ND (0.0028)	--	--	ND (0.001)	ND (0.0017)	--	ND (0.0016)	--	--	ND (0.0023)	--	--	ND (0.0026)	ND (0.0011)	ND (0.0026)	ND (0.0024)	ND (0.0016)	ND (0.0039)	ND (0.0021)						
1,2,4-Trimethylbenzene	3.6			--	ND (0.0028)	--	--	ND (0.002)	ND (0.0034)	--	ND (0.0033)	--	--	ND (0.0023)	--	--	ND (0.0026) J	ND (0.0022)	ND (0.0026)	ND (0.0024)	ND (0.0031)	ND (0.0039)	ND (0.0021)						
1,2-Dichlorobenzene	1.1			--	ND (0.0028)	--	--	ND (0.002)	ND (0.0034)	--	ND (0.0033)	--	--	ND (0.0023)	--	--	ND (0.0026)	ND (0.0022)	ND (0.0026) J	ND (0.0024)	ND (0.0031)	ND (0.0039)	ND (0.0021)						
1,2-Dichloroethane	0.02			--	ND (0.0028)	--	--	ND (0.001)	ND (0.0017)	--	ND (0.0016)	--	--	ND (0.0023)	--	--	ND (0.0026)	ND (0.0011)	ND (0.0026)	ND (0.0024)	ND (0.0016)	ND (0.0039)	ND (0.0021)						
1,3,5-Trimethylbenzene	8.4			--	ND (0.0028)	--	--	ND (0.002)	ND (0.0034)	--	ND (0.0033)	--	--	ND (0.0023)	--	--	ND (0.0026) J	ND (0.0022)	ND (0.0026)	ND (0.0024)	ND (0.0031)	ND (0.0039)	ND (0.0021)						
1,3-Dichlorobenzene	2.4			--	ND (0.0028)	--	--	ND (0.002)	ND (0.0034)	--	ND (0.0033)	--	--	ND (0.0023)	--	--	ND (0.0026)	ND (0.0022)	ND (0.0026) J	ND (0.0024)	ND (0.0031)	ND (0.0039)	ND (0.0021)						
1,4-Dichlorobenzene	1.8			--	ND (0.0028)	--	--	ND (0.002)	ND (0.0034)	--	ND (0.0033)	--	--	ND (0.0023)	--	--	ND (0.0026)	ND (0.0022)	ND (0.0026) J	ND (0.0024)	ND (0.0031)	ND (0.0039)	ND (0.0021)						
1,4-Dioxane	0.1			--	ND (0.055)	--	--	ND (0.08)	ND (0.14)	--	ND (0.13)	--	--	ND (0.046)	--	--	ND (0.052)	ND (0.089)	ND (0.051)	ND (0.049)	ND (0.12)	ND (0.077)	ND (0.042)						
2-Butanone (Methyl Ethyl Ketone)	0.12			--	ND (0.0028)	--	--	ND (0.01)	ND (0.017)	--	ND (0.016)	--	--	ND (0.0023)	--	--	ND (0.0026)	ND (0.011)	ND (0.0026)	ND (0.0024)	ND (0.016)	ND (0.0039)	ND (0.0021)						
2-Phenylbutane (sec-Butylbenzene)	11			--	ND (0.0028)	--	--	ND (0.001)	ND (0.0017)	--	ND (0.0016)	--	--	ND (0.0023)	--	--	ND (0.0026) J	ND (0.0011)	ND (0.0026)	ND (0.0024)	ND (0.0016)	ND (0.0039)	ND (0.0021)						
Acetone	0.05			--	0.015	--	--	ND (0.01)	ND (0.017)	--	ND (0.016)	--	--	ND (0.0046)	--	--	ND (0.0052)	0.011	ND (0.0051)	ND (0.0049)	ND (0.016)	ND (0.0077) J	0.1 J						
Benzene	0.06			--	ND (0.0028)	--	--	ND (0.0005)	ND (0.00085)	--	ND (0.00082)	--	--	ND (0.0023)	--	--	ND (0.0026)	ND (0.00056)	ND (0.0026)	ND (0.0024)	ND (0.00078)	ND (0.0039)	ND (0.0021)						
Carbon tetrachloride	0.76			--	ND (0.0028)	--	--	ND (0.001)	ND (0.0017)	--	ND (0.0016)	--	--	ND (0.0023)	--	--	ND (0.0026)	ND (0.0011)	ND (0.0026)	ND (0.0024)	ND (0.0016)	ND (0.0039)	ND (0.0021)						
Chlorobenzene	1.1			--	ND (0.0028)	--	--	ND (0.0005)	ND (0.00085)	--	ND (0.00082)	--	--	ND (0.0023)	--	--	ND (0.0026)	ND (0.00056)	ND (0.0026)	ND (0.0024)	ND (0.00078)	ND (0.0039)	ND (0.0021)						
Chloroform (Trichloromethane)	0.37			--	ND (0.0028)	--	--	ND (0.0015)	ND (0.0025)	--	0.00024 J	--	--	ND (0.0023)	--	--	ND (0.0026)	ND (0.0017)	ND (0.0026)	ND (0.0024)	ND (0.0023)	ND (0.0039)	ND (0.0021)						
cis-1,2-Dichloroethene	0.25			--	ND (0.0028)	--	--	ND (0.001)	ND (0.0017)	--	ND (0.0016)	--	--	ND (0.0023)	--	--	ND (0.0026)	ND (0.0011)	ND (0.0026)	ND (0.0024)	ND (0.0016)	ND (0.0039)	ND (0.0021)						
Cymene (p-Isopropyltoluene)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
Ethylbenzene	1			--	ND (0.0028)	--	--	ND (0.001)	ND (0.0017)	--	ND (0.0016)	--	--	ND (0.0023)	--	--	ND (0.0026)	ND (0.0011)	ND (0.0026)	ND (0.0024)	ND (0.0016)	ND (0.0039)	ND (0.0021)						
Isopropylbenzene (Cumene)				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
m,p-Xylenes				--	ND (0.0055)	--	--	ND (0.002)	ND (0.0034)	--	ND (0.0033)	--	--	ND (0.0046)	--	--	ND (0.0052)	ND (0.0022)	ND (0.0051)	ND (0.0049)	ND (0.0031)	ND (0.0077)	ND (0.0042)						
Methyl Tert Butyl Ether (MTBE)	0.93			--	ND (0.0028)	--	--	ND (0.002)	ND (0.0034)	--	ND (0.0033)	--	--	ND (0.0023)	--	--	ND (0.0026)	ND (0.0022)	ND (0.0026)	ND (0.0024)	ND (0.0031)	ND (0.0039)	ND (0.0021)						
Methylene chloride (Dichloromethane)	0.05			--	ND (0.011)	--	--	ND (0.005)	ND (0.0085)	--	ND (0.0082)	--	--	ND (0.0046)	--	--	ND (0.0052)	ND (0.0056)	ND (0.0051)	ND (0.0049)	ND (0.0078)	ND (0.0077)	ND (0.0042)						
Naphthalene	12			--	ND (0.0028)	--	--	--	--	--	--	--	--	ND (0.0023)	--	--	ND (0.0026) J	--	ND (0.0026)	ND (0.0024)	--	ND (0.0039)	ND (0.0021)						
n-Butylbenzene	12			--	ND (0.0028)	--	--	ND (0.001)	ND (0.0017)	--	ND (0.0016)	--	--	ND (0.0023)	--	--	ND (0.0026) J	ND (0.0011)	ND (0.0026)	ND (0.0024)	ND (0.0016)	ND (0.0039)	ND (0.0021)						
n-Propylbenzene	3.9			--	ND (0.0028)	--	--	ND (0.001)	ND (0.0017)	--	ND (0.0016)	--	--	ND (0.0023)	--	--	ND (0.0026)	ND (0.0011)	ND (0.0026)	ND (0.0024)	ND (0.0016)	ND (0.0039)	ND (0.0021)						
o-Xylene				--	ND (0.0028)	--	--	ND (0.001)	ND (0.0017)	--	ND (0.0016)	--	--	ND (0.0023)	--	--	ND (0.0026)	ND (0.0011)	ND (0.0026)	ND (0.0024)	ND (0.0016)	ND (0.0039)	ND (0.0021)						
tert-Butylbenzene	5.9			--	ND (0.0028)	--	--	ND (0.002)	ND (0.0034)	--	ND (0.0033)	--	--	ND (0.0023)	--	--	ND (0.0026) J	ND (0.0022)	ND (0.0026)										

Notes:
mg/kg: milligram per kilogram
--: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated
J+: Value is estimated, biased high
J-: Value is estimated, biased low
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.
- Shaded values indicate an exceedance of the Unrestricted Use Soil Cleanup Objectives

TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	NY Part 375 Unrestricted Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives - PFAS	EP-46 EP-46_6-6.5 23B0368-29 02/07/2023 Primary 6 - 6.5 (ft) FILL/CP-51	EP-47 EP-47_4-4.5 22J1359-01 10/26/2022 Primary 4 - 4.5 (ft) FILL/PIM	EP-48 EP-48_4-4.5 L2255968-06 10/07/2022 Primary 4 - 4.5 (ft) FILL/PIM	EP-49 EP-49_4-4.5 L2255968-07 10/07/2022 Primary 4 - 4.5 (ft) FILL/PIM	EP-49 EP-49_6-6.5 23B0368-19 02/07/2023 Primary 6 - 6.5 (ft) FILL/PIM	EP-50 EP-50_4-4.5 L2255968-08 10/07/2022 Primary 4 - 4.5 (ft) FILL/PIM	EP-50 EP-50_6-6.5 23B0368-21 02/07/2023 Primary 6 - 6.5 (ft) FILL/PIM	EP-51 EP-51_4-4.5 22J1359-02 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-51 EP-51_4.5-5 23B0189-02 02/02/2023 Primary 4.5 - 5 (ft) PIM	EP-52 EP-52_4-4.5 22J1359-03 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-53 EP-53_4-4.5 22J1359-04 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-53 DUP-01_102622 22J1359-11 10/26/2022 Duplicate 4 - 4.5 (ft) FILL	EP-54 EP-54_4-4.5 22J1359-05 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-54 EP-54_6-6.5 23A1448-05 01/30/2023 Primary 6 - 6.5 (ft) FILL	EP-54 DUP-03_013023 23A1448-08 01/30/2023 Duplicate 6 - 6.5 (ft) FILL	EP-55 EP-55_4-4.5 22J1359-06 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-55 EP-55_4-4.5 22J1359-06RE1 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-55 EP-55_6-6.5 23A1448-06 01/30/2023 Primary 6 - 6.5 (ft) FILL	EP-55 DUP-02_013023 23A1448-07 01/30/2023 Duplicate 6 - 6.5 (ft) FILL	EP-56 EP-56_4-4.5 22J1359-07 10/26/2022 Primary 4 - 4.5 (ft) FILL	
Inorganic Compounds (mg/kg)																							
Aluminum			--	--	12100	7430	--	7070	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Antimony			--	--	0.36 J	ND (4.52)	--	ND (4.4)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	13		--	3.8	4.25	2.74	--	1.57	--	4.13	2.74	2.19	2.37	2.92	ND (1.53)	--	--	--	3.19	--	--	--	2.79
Barium	350		--	54.4 J	33.6	24.6	--	30	--	38.5 J	30.4	72.1 J	51.2 J	258 J	85.6 J	--	--	--	152 J	--	--	--	61.3
Beryllium	7.2		--	ND (0.051)	0.426 J	0.298 J	--	0.264 J	--	ND (0.051)	0.577	ND (0.049)	ND (0.05)	ND (0.05)	ND (0.052)	--	--	--	ND (0.048)	--	--	--	ND (0.052)
Cadmium	2.5		--	ND (0.301)	0.294 J	0.208 J	--	0.185 J	--	ND (0.303)	0.321	ND (0.295)	ND (0.295)	ND (0.295)	ND (0.307)	--	--	--	ND (0.288)	--	--	--	ND (0.307)
Calcium			--	--	1200	900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium			--	17.1 J	16	8.48	--	11.5	--	18.2 J	13.7	16.7 J	12.3 J	12.9	17.9 J	--	--	--	19 J	--	--	--	20.1
Cobalt			--	--	7.23	5.53	--	5.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper	50		--	16.9 J	11.7	9.11	--	6.92	--	18.1 J	15.1	19.5 J	14.9 J	14.7	13 J	--	--	--	26.7 J	--	--	--	22.3
Iron			--	--	19500	12500	--	11600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	63		--	21.6 J	10.7	4.29 J	--	2.83 J	--	22 J	12.4	21.9 J	13.3 J	31.7 J	10.9 J	--	--	--	88.9 J	--	--	14.2	15
Magnesium			--	--	2840	2580	--	2720	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	1600		--	269	243	427	--	239	--	402	402	398	500	550	426	--	--	--	376	--	--	--	314
Mercury	0.18		--	0.0377 J-	ND (0.076)	ND (0.075)	--	ND (0.073)	--	ND (0.0363) J	ND (0.0354)	0.0582 J-	ND (0.0354) J	ND (0.0354)	ND (0.0368) J	--	--	--	0.134 J-	--	--	--	0.216
Nickel	30		--	16.4	12.9	9.68	--	10.3	--	16.9	18.6	14.7	13.5	11.7	15.7	--	--	--	16.7	--	--	--	16.2
Potassium			--	--	489	372	--	505	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	3.9		--	ND (2.51)	ND (1.89)	ND (1.81)	--	ND (1.76)	--	ND (2.52)	ND (2.46)	ND (2.45)	ND (2.46)	ND (2.46)	ND (2.56)	--	--	--	ND (2.4)	--	--	--	ND (2.56)
Silver	2		--	ND (0.506) J	ND (0.947)	ND (0.905)	--	ND (0.879)	--	ND (0.509) J	ND (0.496)	ND (0.495) J	ND (0.495) J	ND (0.496)	ND (0.515) J	--	--	--	ND (0.484) J	--	--	--	ND (0.516)
Sodium			--	--	ND (189)	ND (176)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium			--	--	ND (1.89)	ND (1.81)	--	ND (1.76)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium			--	--	20.6	12	--	18.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	109		--	48.1 J	33.8	25.7	--	20.2	--	53.6 J	47.2	58.4 J	35.3 J	62.4 J	50.1 J	--	--	--	118 J	--	--	42	46.4
Other (%)																							
Percent Solids, weight			89.6 J	83.1	82.5	84.9	92.3 J	87.2	91.3 J	82.5	84.7 J	84.8	84.8	84.7	81.5	90.4	90.3		86.7	--	84.1	83.2	81.5
Pesticides (mg/kg)																							
4,4'-DDD	0.0033		--	ND (0.00198)	ND (0.00185)	0.0304	ND (0.00179)	0.00816	ND (0.0018) J	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
4,4'-DDE	0.0033		--	ND (0.00198)	ND (0.00185)	0.0251	ND (0.00179)	0.00348	ND (0.0018) J	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
4,4'-DDT	0.0033		ND (0.00181)	ND (0.00198)	ND (0.00185)	0.00321	--	ND (0.00182)	--	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
Aldrin	0.005		--	ND (0.00198)	ND (0.00185)	ND (0.00187)	--	ND (0.00182)	--	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
alpha-BHC	0.02		--	ND (0.00198)	ND (0.000772)	ND (0.000778)	--	ND (0.00182)	--	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
alpha-Chlordane (cis)	0.094		--	ND (0.00198)	ND (0.00232)	ND (0.00234)	--	ND (0.00228)	--	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
beta-BHC	0.036		--	ND (0.00198)	ND (0.00185)	ND (0.00187)	--	ND (0.00182)	--	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
Chlordane			--	--	ND (0.0154)	ND (0.0156)	--	ND (0.0152)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	0.04		--	ND (0.00198)	ND (0.00185)	ND (0.00187)	--	ND (0.00182)	--	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
Dieldrin	0.005		--	ND (0.00198)	ND (0.00116)	ND (0.00117)	--	ND (0.00114)	--	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
Endosulfan I	2.4		--	ND (0.00198)	ND (0.00185)	ND (0.00187)	--	ND (0.00182)	--	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
Endosulfan II	2.4		--	ND (0.00198)	ND (0.00185)	ND (0.00187)	--	ND (0.00182)	--	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
Endosulfan sulfate	2.4		--	ND (0.00198)	ND (0.000772)	ND (0.000778)	--	ND (0.00076)	--	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
Endrin	0.014		--	ND (0.00198)	ND (0.000772)	ND (0.000778)	--	ND (0.00076)	--	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
Endrin aldehyde			--	ND (0.00198)	ND (0.00232)	ND (0.00234)	--	ND (0.00228)	--	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
Endrin ketone			--	ND (0.00198)	ND (0.00185)	ND (0.00187)	--	ND (0.00182)	--	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
gamma-BHC (Lindane)	0.1		--	ND (0.00198)	ND (0.000772)	ND (0.000778)	--	ND (0.00076)	--	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
gamma-Chlordane (trans)			--	ND (0.00198)	ND (0.00232)	ND (0.00234)	--	ND (0.00228)	--	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
Heptachlor	0.042		--	ND (0.00198)	ND (0.000927)	ND (0.000934)	--	ND (0.000912)	--	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
Heptachlor epoxide			--	ND (0.00198)	ND (0.00348)	ND (0.0035)	--	ND (0.00342)	--	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
Methoxychlor			--	ND (0.00198)	ND (0.00348)	ND (0.0035)	--	ND (0.00342)	--	ND (0.00197)	ND (0.0019)	ND (0.00192)	ND (0.00193)	ND (0.0019)	ND (0.00198)	--	--	--	ND (0.00188)	--	--	--	ND (0.00199)
Toxaphene			--	ND (0.198)	ND (0.0348)	ND (0.035)	--	ND (0.0342)	--	ND (0.197)	ND (0.19)	ND (0.192)	ND (0.193)	ND (0.19)	ND (0.198)	--	--	--	ND (0.188)	--	--	--	ND (0.199)
PFAS (mg/kg)																							
6:2 Fluorotelomer sulfonic acid (6:2 FTS)			--	ND (0.000295) J	ND (0.00058)	ND (0.000539)	--	ND (0.000513)	--	ND (0.000287)	ND (0.00027) J	ND (0.000278)	ND (0.000289) J	ND (0.000269) J	ND (0.000303)	--	--	--	ND (0.000275) J	--	--	--	ND (0.000287)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)			--	ND (0.000295)	ND (0.00058) J	ND (0.000539)	--	ND (0.000513)	--	ND (0.000287)	ND (0.00027) J	ND (0.000278)	ND (0.000289) J	ND (0.000269) J	ND (0.000303) J	--	--	--	ND (0.000275) J	--	--	--	ND (0.000287)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NeTFOSAA)			--	ND (0.000295)	--	ND (0.000539)	--	ND (0.000513)	--	ND (0.000287)	ND (0.00027)	ND (0.000278)	ND (0.000289) J	ND (0.000269)	ND (0.000303)	--	--	--	ND (0.000275)	--	--	--	ND (0.000287)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)			--	ND (0.000295)	0.00058 R	ND (0.000539)	--	ND (0.000513)	--	ND (0.000287)	ND (0.00027)	ND (0.000278)	ND (0.000289)	ND (0.000269)	ND (0.000303)	--	--	--	ND (0.000275)	--	--	--	ND (0.000287)
Perfluorobutanesulfonic acid (PFBS)			--	ND (0.000295)	ND (0.00029)	ND (0.00027)	--	ND (0.000256)	--	ND (0.000287)	ND (0.00027)	ND (0.000278)	ND (0.0002										

TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	NY Part 375 Unrestricted Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives - PFAS	EP-46 EP-46_6-6.5 23B0368-29 02/07/2023 Primary 6 - 6.5 (ft) FILL/CP-51	EP-47 EP-47_4-4.5 22J1359-01 10/26/2022 Primary 4 - 4.5 (ft) FILL/PIM	EP-48 EP-48_4-4.5 L2255968-06 10/07/2022 Primary 4 - 4.5 (ft) FILL/PIM	EP-49 EP-49_4-4.5 L2255968-07 10/07/2022 Primary 4 - 4.5 (ft) FILL/PIM	EP-49 EP-49_6-6.5 23B0368-19 02/07/2023 Primary 6 - 6.5 (ft) FILL/PIM	EP-50 EP-50_4-4.5 L2255968-08 10/07/2022 Primary 4 - 4.5 (ft) FILL/PIM	EP-50 EP-50_6-6.5 23B0368-21 02/07/2023 Primary 6 - 6.5 (ft) FILL/PIM	EP-51 EP-51_4-4.5 22J1359-02 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-51 EP-51_4.5-5 23B0189-02 02/02/2023 Primary 4.5 - 5 (ft) PIM	EP-52 EP-52_4-4.5 22J1359-03 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-53 EP-53_4-4.5 22J1359-04 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-53 DUP-01_102622 22J1359-11 10/26/2022 Duplicate 4 - 4.5 (ft) FILL	EP-54 EP-54_4-4.5 22J1359-05 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-54 EP-54_6-6.5 23A1448-05 01/30/2023 Primary 6 - 6.5 (ft) FILL	EP-54 DUP-03_013023 23A1448-08 01/30/2023 Duplicate 6 - 6.5 (ft) FILL	EP-55 EP-55_4-4.5 22J1359-06 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-55 EP-55_4-4.5 22J1359-06RE1 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-55 EP-55_6-6.5 23A1448-06 01/30/2023 Primary 6 - 6.5 (ft) FILL	EP-55 DUP-02_013023 23A1448-07 01/30/2023 Duplicate 6 - 6.5 (ft) FILL	EP-56 EP-56_4-4.5 22J1359-07 10/26/2022 Primary 4 - 4.5 (ft) FILL		
Semi-Volatile Organic Compounds (mg/kg)																								
1,2,4,5-Tetrachlorobenzene	1.1		ND (0.0925)	ND (0.0994)	ND (0.2)	ND (0.96)	--	ND (0.19)	--	ND (0.101)	--	ND (0.0976)	ND (0.0971)	ND (0.0975)	ND (0.102)	--	--	ND (0.0952)	--	--	--	--	ND (0.102)	
1,2,4-Trichlorobenzene			ND (0.0464)	--	ND (0.2)	ND (0.96)	--	ND (0.19)	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
1,2-Dichlorobenzene			ND (0.0464)	--	ND (0.2)	ND (0.96)	--	ND (0.19)	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
1,2-Diphenylhydrazine			ND (0.0464)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
1,3-Dichlorobenzene			ND (0.0464)	--	ND (0.2)	ND (0.96)	--	ND (0.19)	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
1,4-Dichlorobenzene			ND (0.0464)	--	ND (0.2)	ND (0.96)	--	ND (0.19)	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
1,4-Dioxane			--	ND (0.0189)	ND (0.03)	ND (0.14)	--	ND (0.029)	--	ND (0.0194)	ND (0.0185)	ND (0.019)	ND (0.0196)	ND (0.0196)	ND (0.0194)	--	--	ND (0.0194)	--	--	--	--	ND (0.0198)	
1-Methylnaphthalene			ND (0.0925)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,2'-oxybis(1-Chloropropane)			--	--	ND (0.24)	ND (1.2)	--	ND (0.23)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,2'-oxybis(2-Chloropropane)			ND (0.0464)	0.0498 R	--	--	--	--	--	0.0505 R	--	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	0.0477 R	--	--	--	--	0.0511 R	
2,3,4,6-Tetrachlorophenol	ND (0.0925)	0.0994 R	--	--	--	--	--	0.101 R	--	0.0976 R	0.0971 R	0.0975 R	0.102 R	--	--	0.0952 R	--	--	--	--	0.102 R			
2,4,5-Trichlorophenol	ND (0.0464)	0.0498 R	ND (0.2)	ND (0.96)	--	ND (0.19)	--	0.0505 R	--	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	0.0477 R	--	--	--	--	0.0511 R			
2,4,6-Trichlorophenol	ND (0.0464)	0.0498 R	ND (0.12)	ND (0.58)	Primary	ND (0.11)	--	0.0505 R	--	0.0489 R	0.0487 R	0.0489 R	0.0509 R	Primary	--	0.0477 R	--	--	--	--	0.0511 R			
2,4-Dichlorophenol	ND (0.0464)	0.0498 R	ND (0.18)	ND (0.87)	--	ND (0.17)	--	0.0505 R	--	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	0.0477 R	--	--	--	--	0.0511 R			
2,4-Dimethylphenol	ND (0.0464)	0.0498 R	ND (0.2)	ND (0.96)	--	ND (0.19)	--	0.0505 R	--	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	0.0477 R	--	--	--	--	0.0511 R			
2,4-Dinitrophenol	ND (0.0925)	ND (0.0994)	ND (0.95)	ND (4.6)	--	ND (0.92)	--	ND (0.101)	--	ND (0.0976)	ND (0.0971)	ND (0.0975)	ND (0.102)	--	--	ND (0.0952)	--	--	--	--	ND (0.102)			
2,4-Dinitrotoluene	ND (0.0464)	0.0498 R	ND (0.2)	ND (0.96)	--	ND (0.19)	--	0.0505 R	--	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	0.0477 R	--	--	--	--	0.0511 R			
2,6-Dinitrotoluene	ND (0.0464)	0.0498 R	ND (0.2)	ND (0.96)	--	ND (0.19)	--	0.0505 R	--	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	0.0477 R	--	--	--	--	0.0511 R			
2-Chloronaphthalene	ND (0.0464)	0.0498 R	ND (0.2)	ND (0.96)	--	ND (0.19)	--	0.0505 R	--	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	0.0477 R	--	--	--	--	0.0511 R			
2-Chlorophenol	ND (0.0464)	0.0498 R	ND (0.2)	ND (0.96)	--	ND (0.19)	--	0.0505 R	--	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	0.0477 R	--	--	--	--	0.0511 R			
2-Methylnaphthalene	ND (0.0464)	0.0498 R	ND (0.24)	ND (1.2)	--	ND (0.23)	--	0.0505 R	--	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	0.859 J-	--	--	--	--	0.0511 R			
2-Methylphenol (o-Cresol)	ND (0.0464)	0.0498 R	ND (0.2)	ND (0.96)	--	ND (0.19)	--	0.0505 R	ND (0.0482)	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	0.0477 R	--	--	--	--	0.0511 R			
2-Nitroaniline	ND (0.0925)	0.0994 R	ND (0.2)	ND (0.96)	--	ND (0.19)	--	0.101 R	--	0.0976 R	0.0971 R	0.0975 R	0.102 R	--	--	0.0952 R	--	--	--	--	0.102 R			
2-Nitrophenol	ND (0.0464)	0.0498 R	ND (0.42)	ND (2.1)	--	ND (0.487)	--	0.0505 R	--	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	0.0477 R	--	--	--	--	0.0511 R			
3&4-Methylphenol	ND (0.0464)	ND (0.0498)	ND (0.28)	ND (1.4)	--	ND (0.28)	--	ND (0.0505)	ND (0.0482)	ND (0.0489)	ND (0.0487)	ND (0.0489)	ND (0.0509)	--	--	ND (0.0477)	--	--	--	--	ND (0.0511)			
3,3'-Dichlorobenzidine	ND (0.0464)	ND (0.0498)	ND (0.2)	ND (0.96)	--	ND (0.19)	--	ND (0.19)	--	ND (0.0505)	--	ND (0.0489)	ND (0.0487) J	ND (0.0489)	ND (0.0509)	--	--	ND (0.0477)	--	--	--	ND (0.0511)		
3-Nitroaniline	ND (0.0925)	0.0994 R	ND (0.2)	ND (0.96)	--	ND (0.19)	--	0.101 R	--	0.0976 R	0.0971 R	0.0975 R	0.102 R	--	--	0.0952 R	--	--	--	--	0.102 R			
4,6-Dinitro-2-methylphenol	ND (0.0925)	0.0994 R	ND (0.51)	ND (2.5)	--	ND (0.5)	--	0.101 R	--	0.0976 R	0.0971 R	0.0975 R	0.102 R	--	--	0.0952 R	--	--	--	--	0.102 R			
4-Bromophenyl phenyl ether (BDE-3)	ND (0.0464)	0.0498 R	ND (0.2)	ND (0.96)	--	ND (0.19)	--	0.0505 R	--	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	0.0477 R	--	--	--	--	0.0511 R			
4-Chloro-3-methylphenol	ND (0.0464)	0.0498 R	ND (0.2)	ND (0.96)	--	ND (0.19)	--	0.0505 R	--	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	0.0477 R	--	--	--	--	0.0511 R			
4-Chloroaniline	ND (0.0464)	0.0498 R	ND (0.2)	ND (0.96)	--	ND (0.19)	--	0.0505 R	--	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	0.0477 R	--	--	--	--	0.0511 R			
4-Chlorophenyl phenyl ether	ND (0.0464)	0.0498 R	ND (0.2)	ND (0.96)	--	ND (0.19)	--	0.0505 R	--	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	0.0477 R	--	--	--	--	0.0511 R			
4-Nitroaniline	ND (0.0925)	0.0994 R	ND (0.2)	ND (0.96)	--	ND (0.19)	--	0.101 R	--	0.0976 R	0.0971 R	0.0975 R	0.102 R	--	--	0.0952 R	--	--	--	--	0.102 R			
4-Nitrophenol	ND (0.0925)	ND (0.0994)	ND (0.28)	ND (1.4)	--	ND (0.27)	--	ND (0.101)	--	ND (0.0976)	ND (0.0971) J	ND (0.0975)	ND (0.102)	--	--	ND (0.0952)	--	--	--	--	ND (0.102)			
Acenaphthene	20		ND (0.0464)	0.0498 R	ND (0.16)	0.55 J	--	0.95	--	0.0505 R	ND (0.0482)	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	1.14 J-	--	ND (0.0486)	ND (0.0501)	0.0511 R		
Acenaphthylene			ND (0.0464)	0.0498 R	ND (0.16)	ND (0.77)	--	ND (0.15)	--	0.0505 R	ND (0.0482)	0.05 J-	0.0487 R	0.0489 R	0.0509 R	--	--	0.0944 J-	--	ND (0.0486)	ND (0.0501)	0.0511 R		
Acetophenone	100		ND (0.0464)	0.0498 R	ND (0.2)	ND (0.96)	--	ND (0.19)	--	0.0505 R	--	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	0.0477 R	--	--	--	0.0511 R		
Aniline			ND (0.185)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--						

TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	NY Part 375 Unrestricted Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives - PFAS	EP-46 6-6.5 23B0368-29 02/07/2023 Primary 6 - 6.5 (ft) FILL/CP-51	EP-47 4-4.5 22J1359-01 10/26/2022 Primary 4 - 4.5 (ft) FILL/PIM	EP-48 4-4.5 L2255968-06 10/07/2022 Primary 4 - 4.5 (ft) FILL/PIM	EP-49 4-4.5 L2255968-07 10/07/2022 Primary 4 - 4.5 (ft) FILL/PIM	EP-49 6-6.5 23B0368-19 02/07/2023 Primary 6 - 6.5 (ft) FILL/PIM	EP-50 4-4.5 L2255968-08 10/07/2022 Primary 4 - 4.5 (ft) FILL/PIM	EP-50 6-6.5 23B0368-21 02/07/2023 Primary 6 - 6.5 (ft) FILL/PIM	EP-51 4-4.5 22J1359-02 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-51 4.5-5 (ft) 23B0189-02 02/02/2023 Primary 4.5 - 5 (ft) PIM	EP-52 4-4.5 22J1359-03 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-53 4-4.5 22J1359-04 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-53 DUP-01_102622 22J1359-11 10/26/2022 Duplicate 4 - 4.5 (ft) FILL	EP-54 4-4.5 22J1359-05 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-54 6-6.5 23A1448-05 01/30/2023 Primary 6 - 6.5 (ft) FILL	EP-54 DUP-03_013023 23A1448-08 01/30/2023 Duplicate 6 - 6.5 (ft) FILL	EP-55 4-4.5 22J1359-06 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-55 4-4.5 22J1359-06RE1 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-55 6-6.5 23A1448-06 01/30/2023 Primary 6 - 6.5 (ft) FILL	EP-55 DUP-02_013023 23A1448-07 01/30/2023 Duplicate 6 - 6.5 (ft) FILL	EP-56 4-4.5 22J1359-07 10/26/2022 Primary 4 - 4.5 (ft) FILL		
Nitrobenzene			ND (0.0464)	0.0498 R	ND (0.18)	ND (0.87)	--	ND (0.17)	--	0.0505 R	--	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	--	0.0477 R	--	--	--	0.0511 R	
N-Nitrosodimethylamine			ND (0.0464)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
N-Nitrosodi-n-propylamine			ND (0.0464)	0.0498 R	ND (0.2)	ND (0.96)	--	ND (0.19)	--	0.0505 R	--	0.0489 R	0.0487 R	0.0489 R	0.0509 R	--	--	--	0.0477 R	--	--	--	0.0511 R	
N-Nitrosodiphenylamine			ND (0.0464)	0.0498 R	ND (0.16)	3.4	--	ND (0.15)	--	0.0505 R	--	0.0489 R	0.0487 R	ND (0.0489)	0.0509 R	--	--	--	0.0477 R	--	--	--	0.0511 R	
Pentachloronitrobenzene			ND (0.0925)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pentachlorophenol	0.8		ND (0.0464)	ND (0.0498)	ND (0.16)	ND (0.77)	--	ND (0.15)	--	ND (0.0505)	ND (0.0482)	ND (0.0489)	ND (0.0487) J	ND (0.0489)	ND (0.0509)	--	--	--	ND (0.0477)	--	--	--	ND (0.0511)	
Phenanthrene	100		ND (0.0464)	0.0498 R	ND (0.12)	ND (0.58)	--	ND (0.11)	--	0.0505 R	ND (0.0482)	0.0812 J-	0.0877 J-	0.0489 R	--	--	--	--	12.7 J-	ND (0.0486)	ND (0.0501)	--	0.0587 J-	
Phenol	0.33		ND (0.0464)	ND (0.0498)	ND (0.2)	ND (0.96)	--	ND (0.19)	--	ND (0.0505)	ND (0.0482)	ND (0.0489)	ND (0.0487) J	ND (0.0489)	ND (0.0509)	--	--	--	ND (0.0477)	--	--	--	ND (0.0511)	
Propargite			ND (0.185)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pyrene	100		ND (0.0464)	0.0683 J-	ND (0.12)	0.42 J	--	0.23	--	0.0505 R	ND (0.0482)	0.0898 J-	0.0753 J-	0.0489 R	0.0853 J-	--	--	--	--	6.94 J-	ND (0.0486)	ND (0.0501)	0.0767 J-	
Pyridine			ND (0.185)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Resorcinol			ND (0.185)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Volatile Organic Compounds (mg/kg)																								
1,1,1-Trichloroethane	0.68		--	ND (0.0024)	ND (0.00048)	ND (0.00049)	--	ND (0.00048)	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
1,1-Dichloroethane	0.27		--	ND (0.0024)	ND (0.00097)	ND (0.00099)	--	ND (0.00096)	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
1,1-Dichloroethene	0.33		--	ND (0.0024)	ND (0.00097)	ND (0.00099)	--	ND (0.00096)	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
1,2,4-Trimethylbenzene	3.6		ND (0.0025)	ND (0.0024)	ND (0.0019)	0.0037	--	0.00059 J	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
1,2-Dichlorobenzene	1.1		--	ND (0.0024)	ND (0.0019)	ND (0.002)	--	ND (0.0019)	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021) J	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
1,2-Dichloroethane	0.02		--	ND (0.0024)	ND (0.00097)	ND (0.00099)	--	ND (0.00096)	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
1,3,5-Trimethylbenzene	8.4		ND (0.0025)	ND (0.0024)	ND (0.0019)	0.00062 J	--	ND (0.0019)	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
1,3-Dichlorobenzene	2.4		--	ND (0.0024)	ND (0.0019)	ND (0.002)	--	ND (0.0019)	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021) J	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
1,4-Dichlorobenzene	1.8		--	ND (0.0024)	ND (0.0019)	ND (0.002)	--	ND (0.0019)	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021) J	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
1,4-Dioxane	0.1		--	ND (0.048)	ND (0.077)	ND (0.079)	--	ND (0.077)	--	ND (0.058)	ND (0.06)	ND (0.042)	ND (0.043)	ND (0.043)	ND (0.046)	--	--	--	ND (0.047)	--	--	--	ND (0.045)	
2-Butanone (Methyl Ethyl Ketone)	0.12		--	0.0055 J+	ND (0.0097)	0.0022 J	--	ND (0.0096)	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
2-Phenylbutane (sec-Butylbenzene)	11		ND (0.0025)	ND (0.0024)	ND (0.00097)	0.22	--	0.12	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
Acetone	0.05		ND (0.0049)	ND (0.022)	ND (0.0097)	ND (0.59)	--	ND (0.62)	--	ND (0.0058)	0.0099 J	ND (0.0042)	ND (0.0043) J	ND (0.0043)	ND (0.0046)	--	--	--	ND (0.0064)	--	--	--	ND (0.0045)	
Benzene	0.06		ND (0.0025)	ND (0.0024)	ND (0.00048)	ND (0.00049)	--	ND (0.00048)	--	ND (0.0029)	0.003 J	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
Carbon tetrachloride	0.76		--	ND (0.0024)	ND (0.00097)	ND (0.00099)	--	ND (0.00096)	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021) J	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
Chlorobenzene	1.1		--	ND (0.0024)	ND (0.00048)	ND (0.00049)	--	ND (0.00048)	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
Chloroform (Trichloromethane)	0.37		--	ND (0.0024)	ND (0.0014)	ND (0.0015)	--	ND (0.0014)	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
cis-1,2-Dichloroethene	0.25		--	ND (0.0024)	ND (0.00097)	ND (0.00099)	--	ND (0.00096)	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
Cymene (p-Isopropyltoluene)			ND (0.0025)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Ethylbenzene	1		ND (0.0025)	ND (0.0024)	ND (0.00097)	ND (0.00099)	--	ND (0.00096)	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
Isopropylbenzene (Cumene)			ND (0.0025)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
m,p-Xylenes			ND (0.0049)	ND (0.0048)	ND (0.0019)	ND (0.002)	--	ND (0.0019)	--	ND (0.0058)	ND (0.006)	ND (0.0042)	ND (0.0043)	ND (0.0043)	ND (0.0046)	--	--	--	ND (0.0047)	--	--	--	ND (0.0045)	
Methyl Tert Butyl Ether (MTBE)	0.93		ND (0.0025)	ND (0.0024)	ND (0.0019)	ND (0.002)	--	ND (0.0019)	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
Methylene chloride (Dichloromethane)	0.05		--	ND (0.0048)	ND (0.0048)	ND (0.0049)	--	ND (0.0048)	--	ND (0.0058)	ND (0.006)	ND (0.0042)	ND (0.0043)	ND (0.0043)	ND (0.0046)	--	--	--	ND (0.0047)	--	--	--	ND (0.0045)	
Naphthalene	12		ND (0.0025)	ND (0.0024)	--	--	--	--	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
n-Butylbenzene	12		ND (0.0025)	ND (0.0024)	ND (0.00097)	ND (0.00099)	--	ND (0.00096)	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
n-Propylbenzene	3.9		ND (0.0025)	ND (0.0024)	ND (0.00097)	ND (0.00099)	--	ND (0.00096)	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
o-Xylene			ND (0.0025)	ND (0.0024)	ND (0.00097)	0.00041 J	--	ND (0.00096)	--	ND (0.0029)	ND (0.003)	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
tert-Butylbenzene	5.9		ND (0.0025)	ND (0.0024)	ND (0.0019)	0.13	--	0.11 J	--	ND (0.0029)	ND (0.003) J	ND (0.0021)	ND (0.0021)	ND (0.0022)	ND (0.0023)	--	--	--	ND (0.0024)	--	--	--	ND (0.0022)	
Tetrachloroethene	1.3		--	ND (0.0024)	ND (0.00048)	ND (0.00049)	--	ND (0.000																

Notes:
mg/kg: milligram per kilogram
--: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated
J+: Value is estimated, biased high
J-: Value is estimated, biased low
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.
- Shaded values indicate an exceedance of the Unrestricted Use Soil Cleanup Objectives

TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	NY Part 375 Unrestricted Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives - PFAS	EP-56 EP-56_6-6.5 23A1448-02 01/30/2023 Primary 6 - 6.5 (ft) FILL	EP-57 EP-57_4-4.5 22J1359-08 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-57 EP-57_6-6.5 23A1448-03 01/30/2023 Primary 6 - 6.5 (ft) FILL	EP-57 EP-57_9-9.5 23B0048-09 02/01/2023 Primary 9 - 9.5 (ft) FILL	EP-58 EP-58_4-4.5 22J1359-09 10/26/2022 Primary 4 - 4.5 (ft) FILL/PIM	EP-58 EP-58_4-4.5 22J1359-09RE1 10/26/2022 Primary 4 - 4.5 (ft) FILL/PIM	EP-58 EP-58_9-9.5 23A1448-09 01/31/2023 Primary 9 - 9.5 (ft) FILL/PIM	EP-58 DUP-04_013123 23A1448-11 01/31/2023 Duplicate 9 - 9.5 (ft) FILL/PIM	EP-58 EP-58_13.5-14 23B0299-24 02/06/2023 Primary 13.5 - 14 (ft) FILL/PIM
Inorganic Compounds (mg/kg)											
Aluminum			--	--	--	--	--	--	--	--	--
Antimony			--	--	--	--	--	--	--	--	--
Arsenic	13		--	3.84	--	--	4.12	--	4.75	--	--
Barium	350		--	277	--	--	360	--	169	--	--
Beryllium	7.2		--	ND (0.055)	--	--	ND (0.051)	--	0.574	--	--
Cadmium	2.5		--	ND (0.327)	--	--	0.416	--	ND (0.295)	--	--
Calcium			--	--	--	--	--	--	--	--	--
Chromium			--	16.9	--	--	17.1	--	22.4	--	--
Cobalt			--	--	--	--	--	--	--	--	--
Copper	50		--	30.9	--	--	22.5	--	26.3	--	--
Iron			--	--	--	--	--	--	--	--	--
Lead	63		28.8	77.6	164	9.4 J+	99.2	--	58.4	--	--
Magnesium			--	--	--	--	--	--	--	--	--
Manganese	1600		--	387	--	--	507	--	392	--	--
Mercury	0.18		0.084	0.133	--	--	0.166	--	0.0853	--	--
Nickel	30		--	16.4	--	--	13.2	--	18.9	--	--
Potassium			--	--	--	--	--	--	--	--	--
Selenium	3.9		--	ND (2.73)	--	--	ND (2.54)	--	ND (2.46) J	--	--
Silver	2		--	ND (0.55)	--	--	ND (0.512)	--	ND (0.496)	--	--
Sodium			--	--	--	--	--	--	--	--	--
Thallium			--	--	--	--	--	--	--	--	--
Vanadium			--	--	--	--	--	--	--	--	--
Zinc	109		--	113	234	48.7	222	--	119	--	90.5
Other (%)											
Percent Solids, weight			86.3	76.4	86.7	77.7 J	82	--	84.7	85.7	84.5
Pesticides (mg/kg)											
4,4'-DDD	0.0033		--	ND (0.00215)	--	--	ND (0.002)	--	ND (0.00194)	--	--
4,4'-DDE	0.0033		--	ND (0.00215)	--	--	ND (0.002)	--	0.00345	--	ND (0.00195)
4,4'-DDT	0.0033		--	ND (0.00215)	--	--	0.00205	--	0.00888	--	ND (0.00195)
Aldrin	0.005		--	ND (0.00215)	--	--	ND (0.002)	--	ND (0.00194)	--	--
alpha-BHC	0.02		--	ND (0.00215)	--	--	ND (0.002)	--	ND (0.00194)	--	--
alpha-Chlordane (cis)	0.094		--	ND (0.00215)	--	--	ND (0.002)	--	ND (0.00194)	--	--
beta-BHC	0.036		--	ND (0.00215)	--	--	ND (0.002)	--	ND (0.00194)	--	--
Chlordane			--	--	--	--	--	--	--	--	--
delta-BHC	0.04		--	ND (0.00215)	--	--	ND (0.002)	--	ND (0.00194)	--	--
Dieldrin	0.005		--	ND (0.00215)	--	--	ND (0.002)	--	ND (0.00194)	--	--
Endosulfan I	2.4		--	ND (0.00215)	--	--	ND (0.002)	--	ND (0.00194)	--	--
Endosulfan II	2.4		--	ND (0.00215)	--	--	ND (0.002)	--	ND (0.00194)	--	--
Endosulfan sulfate	2.4		--	ND (0.00215)	--	--	ND (0.002)	--	ND (0.00194)	--	--
Endrin	0.014		--	ND (0.00215)	--	--	ND (0.002)	--	ND (0.00194)	--	--
Endrin aldehyde			--	ND (0.00215)	--	--	ND (0.002)	--	ND (0.00194)	--	--
Endrin ketone			--	ND (0.00215)	--	--	ND (0.002)	--	ND (0.00194)	--	--
gamma-BHC (Lindane)	0.1		--	ND (0.00215)	--	--	ND (0.002)	--	ND (0.00194)	--	--
gamma-Chlordane (trans)			--	ND (0.00215)	--	--	ND (0.002)	--	ND (0.00194) J	--	--
Heptachlor	0.042		--	ND (0.00215)	--	--	ND (0.002)	--	ND (0.00194)	--	--
Heptachlor epoxide			--	ND (0.00215)	--	--	ND (0.002)	--	ND (0.00194)	--	--
Methoxychlor			--	ND (0.00215)	--	--	ND (0.002)	--	ND (0.00194)	--	--
Toxaphene			--	ND (0.215)	--	--	ND (0.2)	--	ND (0.194)	--	--
PFAS (mg/kg)											
6:2 Fluorotelomer sulfonic acid (6:2 FTS)			--	ND (0.000313) J	--	--	ND (0.000288)	--	--	--	--
8:2 Fluorotelomer sulfonic acid (8:2 FTS)			--	ND (0.000313) J	--	--	ND (0.000288)	--	--	--	--
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)			--	ND (0.000313)	--	--	ND (0.000288)	--	--	--	--
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)			--	ND (0.000313)	--	--	ND (0.000288)	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)			--	ND (0.000313)	--	--	ND (0.000288)	--	--	--	--
Perfluorobutanoic acid (PFBA)			--	ND (0.000313)	--	--	ND (0.000288)	--	--	--	--
Perfluorodecanesulfonic acid (PFDS)			--	ND (0.000313)	--	--	ND (0.000288)	--	--	--	--
Perfluorodecanoic acid (PFDA)			--	ND (0.000313)	--	--	ND (0.000288)	--	--	--	--
Perfluorododecanoic acid (PFDoDA)			--	ND (0.000313)	--	--	ND (0.000288) J	--	--	--	--
Perfluoroheptanesulfonic acid (PFHpS)			--	ND (0.000313)	--	--	ND (0.000288)	--	--	--	--
Perfluoroheptanoic acid (PFHpA)			--	ND (0.000313)	--	--	ND (0.000288)	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)			--	ND (0.000313)	--	--	ND (0.000288)	--	--	--	--
Perfluorohexanoic acid (PFHxA)			--	ND (0.000313)	--	--	ND (0.000288)	--	--	--	--
Perfluorononanoic acid (PFNA)			--	ND (0.000313)	--	--	ND (0.000288)	--	--	--	--
Perfluorooctane sulfonamide (PFOSA)			--	ND (0.000313)	--	--	ND (0.000288)	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)		0.00088	--	0.000458	--	--	ND (0.000288)	--	--	--	--
Perfluorooctanoic acid (PFOA)		0.00066	--	ND (0.000313)	--	--	ND (0.000288)	--	--	--	--
Perfluoropentanoic acid (PFPeA)			--	ND (0.000313)	--	--	ND (0.000288)	--	--	--	--
Perfluorotetradecanoic acid (PFTeDA)			--	ND (0.000313) J	--	--	ND (0.000288) J	--	--	--	--
Perfluorotridecanoic acid (PFTTrDA)			--	ND (0.000313)	--	--	ND (0.000288)	--	--	--	--
Perfluoroundecanoic acid (PFUnDA)			--	ND (0.000313)	--	--	ND (0.000288)	--	--	--	--
US EPA PFAS (PFOS + PFOA)			--	--	--	--	--	--	--	--	--

TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	NY Part 375 Unrestricted Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives - PFAS	EP-56 EP-56_6-6.5 23A1448-02 01/30/2023 Primary 6 - 6.5 (ft) FILL	EP-57 EP-57_4-4.5 22J1359-08 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-57 EP-57_6-6.5 23A1448-03 01/30/2023 Primary 6 - 6.5 (ft) FILL	EP-57 EP-57_9-9.5 23B0048-09 02/01/2023 Primary 9 - 9.5 (ft) FILL	EP-58 EP-58_4-4.5 22J1359-09 10/26/2022 Primary 4 - 4.5 (ft) FILL/PIM	EP-58 EP-58_4-4.5 22J1359-09RE1 10/26/2022 Primary 4 - 4.5 (ft) FILL/PIM	EP-58 EP-58_9-9.5 23A1448-09 01/31/2023 Primary 9 - 9.5 (ft) FILL/PIM	EP-58 DUP-04_013123 23A1448-11 01/31/2023 Duplicate 9 - 9.5 (ft) FILL/PIM	EP-58 EP-58_13.5-14 23B0299-24 02/06/2023 Primary 13.5 - 14 (ft) FILL/PIM	
Semi-Volatile Organic Compounds (mg/kg)												
1,2,4,5-Tetrachlorobenzene	1.1		--	ND (0.109)	--	--	ND (0.101)	--	ND (0.0965)	--	--	
1,2,4-Trichlorobenzene			--	--	--	--	--	ND (0.0484)	--	--		
1,2-Dichlorobenzene			--	--	--	--	--	ND (0.0484)	--	--		
1,2-Diphenylhydrazine			--	--	--	--	--	ND (0.0484)	--	--		
1,3-Dichlorobenzene	2.4		--	--	--	--	--	--	ND (0.0484)	--	--	
1,4-Dichlorobenzene	1.8		--	--	--	--	--	--	ND (0.0484)	--	--	
1,4-Dioxane	0.1		--	ND (0.0183)	--	--	ND (0.0198)	--	ND (0.0183)	--	--	
1-Methylnaphthalene			--	--	--	--	--	--	0.122 J	--	--	
2,2'-oxybis(1-Chloropropane)			--	--	--	--	--	--	--	--		
2,2'-oxybis(2-Chloropropane)			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
2,3,4,6-Tetrachlorophenol			--	0.109 R	--	--	0.101 R	--	ND (0.0965)	--	--	
2,4,5-Trichlorophenol			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
2,4,6-Trichlorophenol			--	0.0544 R	--	Primary	0.0508 R	--	ND (0.0484)	--	Primary	
2,4-Dichlorophenol			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
2,4-Dimethylphenol			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
2,4-Dinitrophenol			--	ND (0.109)	--	--	ND (0.101)	--	ND (0.0965)	--	--	
2,4-Dinitrotoluene			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
2,6-Dinitrotoluene			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
2-Chloronaphthalene			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
2-Chlorophenol			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
2-Methylnaphthalene			--	0.0937 J-	--	--	0.908 J-	--	0.0679 J	--	--	
2-Methylphenol (o-Cresol)			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
2-Nitroaniline			--	0.109 R	--	--	0.101 R	--	ND (0.0965)	--	--	
2-Nitrophenol			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
3&4-Methylphenol			--	ND (0.0544)	--	--	ND (0.0508)	--	ND (0.0484)	--	--	
3,3'-Dichlorobenzidine			--	ND (0.0544)	--	--	ND (0.0508)	--	ND (0.0484)	--	--	
3-Nitroaniline			--	0.109 R	--	--	0.101 R	--	ND (0.0965)	--	--	
4,6-Dinitro-2-methylphenol			--	0.109 R	--	--	0.101 R	--	ND (0.0965)	--	--	
4-Bromophenyl phenyl ether (BDE-3)			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
4-Chloro-3-methylphenol			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
4-Chloroaniline			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
4-Chlorophenyl phenyl ether			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
4-Nitroaniline			--	0.109 R	--	--	0.101 R	--	ND (0.0965)	--	--	
4-Nitrophenol			--	ND (0.109)	--	--	ND (0.101)	--	ND (0.0965)	--	--	
Acenaphthene			20		--	0.135 J-	--	--	1.56 J-	--	0.0525 J	--
Acenaphthylene	100		--	0.0544 R	--	--	0.0543 J-	--	0.0602 J	--	--	
Acetophenone			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
Aniline			--	--	--	--	--	--	ND (0.193)	--	--	
Anthracene			100		--	0.258 J-	--	--	3.54 J-	0.128	--	--
Atrazine			--	ND (0.0544)	--	--	ND (0.0508)	--	ND (0.0484)	--	--	
Benzaldehyde			--	ND (0.0544)	--	--	ND (0.0508)	--	ND (0.0484)	--	--	
Benzidine			--	--	--	--	--	--	ND (0.193)	--	--	
Benzo(a)anthracene	1		--	0.341 J-	--	--	--	5.18 J-	0.202	--	--	
Benzo(a)pyrene	1		--	0.246 J-	--	--	--	3.84 J-	0.175	--	--	
Benzo(b)fluoranthene	1		--	0.188 J-	--	--	--	3.19 J-	0.155	--	--	
Benzo(g,h,i)perylene	100		--	0.143 J-	--	--	1.93 J-	--	0.119	--	--	
Benzo(k)fluoranthene	0.8		--	0.163 J-	--	--	2.36 J-	--	0.15	--	--	
Benzoic acid			--	--	--	--	--	--	ND (0.0484)	--	--	
Benzyl Alcohol			--	--	--	--	--	--	ND (0.0484)	--	--	
Biphenyl			--	0.0544 R	--	--	0.21 J-	--	ND (0.0484)	--	--	
bis(2-Chloroethoxy)methane			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
bis(2-Chloroethyl)ether			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
bis(2-Ethylhexyl)phthalate			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
Butyl benzylphthalate (BBP)			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
Caprolactam			--	ND (0.109)	--	--	ND (0.101)	--	ND (0.0965)	--	--	
Carbazole			--	0.118 J-	--	--	1.66 J-	--	0.054 J	--	--	
Chrysene			--	0.302 J-	--	--	--	5.19 J-	0.208	--	--	
Dibenz(a,h)anthracene	0.33		--	0.0544 R	--	--	0.796 J-	--	ND (0.0484)	--	--	
Dibenzofuran	7		--	0.0544 R	--	--	1.51 J-	--	ND (0.0484)	--	--	
Diethyl phthalate			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
Dimethyl phthalate			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
Di-n-butylphthalate (DBP)			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
Di-n-octyl phthalate (DnOP)			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
Diphenylamine			--	--	--	--	--	--	ND (0.0965)	--	--	
Ethyl Parathion			--	--	--	--	--	--	ND (0.0484)	--	--	
Fluoranthene	100		--	0.751 J-	--	--	--	11.4 J-	0.454	--	--	
Fluorene	30		--	0.0544 R	--	--	2 J-	--	0.081 J	--	--	
Hexachlorobenzene	0.33		--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
Hexachlorobutadiene			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
Hexachlorocyclopentadiene			--	ND (0.0544)	--	--	ND (0.0508)	--	ND (0.0484)	--	--	
Hexachloroethane			--	ND (0.0544)	--	--	ND (0.0508)	--	ND (0.0484)	--	--	
Indeno(1,2,3-cd)pyrene	0.5		--	0.156 J-	--	--	2.21 J-	--	0.126	--	--	
Isophorone			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--	
Methylphenol (Cresol)			--	--	--	--	--	ND (0.0965)	--	--		
Naphthalene			12		--	0.37 J-	--	--	3.99 J-	ND (0.0484)	--	--

TABLE VII
REMEDIAL PERFORMANCE/DOCUMENTATION ENDPOINT SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	NY Part 375 Unrestricted Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives - PFAS	EP-56 EP-56_6-6.5 23A1448-02 01/30/2023 Primary 6 - 6.5 (ft) FILL	EP-57 EP-57_4-4.5 22J1359-08 10/26/2022 Primary 4 - 4.5 (ft) FILL	EP-57 EP-57_6-6.5 23A1448-03 01/30/2023 Primary 6 - 6.5 (ft) FILL	EP-57 EP-57_9-9.5 23B0048-09 02/01/2023 Primary 9 - 9.5 (ft) FILL	EP-58 EP-58_4-4.5 22J1359-09 10/26/2022 Primary 4 - 4.5 (ft) FILL/PIM	EP-58 EP-58_4-4.5 22J1359-09RE1 10/26/2022 Primary 4 - 4.5 (ft) FILL/PIM	EP-58 EP-58_9-9.5 23A1448-09 01/31/2023 Primary 9 - 9.5 (ft) FILL/PIM	EP-58 DUP-04_013123 23A1448-11 01/31/2023 Duplicate 9 - 9.5 (ft) FILL/PIM	EP-58 EP-58_13.5-14 23B0299-24 02/06/2023 Primary 13.5 - 14 (ft) FILL/PIM
Nitrobenzene			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--
N-Nitrosodimethylamine			--	--	--	--	--	--	ND (0.0484)	--	--
N-Nitrosodi-n-propylamine			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--
N-Nitrosodiphenylamine			--	0.0544 R	--	--	0.0508 R	--	ND (0.0484)	--	--
Pentachloronitrobenzene			--	--	--	--	--	--	ND (0.0965)	--	--
Pentachlorophenol	0.8		--	ND (0.0544)	--	--	ND (0.0508)	--	ND (0.0484)	--	--
Phenanthrene	100		--	1.1 J-	--	--	--	16.1 J-	0.49	--	--
Phenol	0.33		--	ND (0.0544)	--	--	ND (0.0508)	--	ND (0.0484)	--	--
Propargite			--	--	--	--	--	--	ND (0.193)	--	--
Pyrene	100		--	0.643 J-	--	--	--	9.57 J-	0.427	--	--
Pyridine			--	--	--	--	--	--	ND (0.193)	--	--
Resorcinol			--	--	--	--	--	--	ND (0.193)	--	--
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	0.68		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
1,1-Dichloroethane	0.27		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
1,1-Dichloroethene	0.33		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
1,2,4-Trimethylbenzene	3.6		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
1,2-Dichlorobenzene	1.1		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
1,2-Dichloroethane	0.02		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
1,3,5-Trimethylbenzene	8.4		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
1,3-Dichlorobenzene	2.4		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
1,4-Dichlorobenzene	1.8		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
1,4-Dioxane	0.1		--	ND (0.05)	--	--	ND (0.045)	--	ND (0.057)	ND (0.046)	--
2-Butanone (Methyl Ethyl Ketone)	0.12		--	ND (0.0025)	--	--	ND (0.0022)	--	0.0032 J	ND (0.0023)	--
2-Phenylbutane (sec-Butylbenzene)	11		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
Acetone	0.05		--	ND (0.005)	--	--	ND (0.0045)	--	0.013	0.0091 J	--
Benzene	0.06		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
Carbon tetrachloride	0.76		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
Chlorobenzene	1.1		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
Chloroform (Trichloromethane)	0.37		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
cis-1,2-Dichloroethene	0.25		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
Cymene (p-Isopropyltoluene)			--	--	--	--	--	--	--	--	--
Ethylbenzene	1		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
Isopropylbenzene (Cumene)			--	--	--	--	--	--	--	--	--
m,p-Xylenes			--	ND (0.005)	--	--	ND (0.0045)	--	ND (0.0057)	ND (0.0046)	--
Methyl Tert Butyl Ether (MTBE)	0.93		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
Methylene chloride (Dichloromethane)	0.05		--	ND (0.005)	--	--	ND (0.0045)	--	ND (0.0057)	ND (0.0046)	--
Naphthalene	12		--	0.0057 J	--	--	ND (0.0022)	--	0.0097 J	0.013	--
n-Butylbenzene	12		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
n-Propylbenzene	3.9		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
o-Xylene			--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
tert-Butylbenzene	5.9		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
Tetrachloroethene	1.3		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029) J	ND (0.0023) J	--
Toluene	0.7		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
trans-1,2-Dichloroethene	0.19		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
Trichloroethene	0.47		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
Vinyl chloride	0.02		--	ND (0.0025)	--	--	ND (0.0022)	--	ND (0.0029)	ND (0.0023)	--
Xylene (Total)	0.26		--	ND (0.0075)	--	--	ND (0.0067)	--	ND (0.0086)	ND (0.007)	--

Notes:
mg/kg: milligram per kilogram
--: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated
J+: Value is estimated, biased high
J-: Value is estimated, biased low
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.
- Shaded values indicate an exceedance of the Unrestricted Use Soil Cleanup Objectives

TABLE VIII
PETROLEUM-IMPACTED MATERIAL CONFIRMATION SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	New York Part 375 Unrestricted Use Soil Cleanup Objectives	EP-01 EP-01_22-22.5 23C0070-03 03/01/2023 Primary 22 - 22.5 (ft) CP-51	EP-02 EP-02_17-17.5 23C0070-01 03/01/2023 Primary 17 - 17.5 (ft) CP-51	EP-03 EP-03_18-18.5 23C1774-06 03/29/2023 Primary 18 - 18.5 (ft) CP-51	EP-06 EP-06_25-25.5 23C0821-01 03/15/2023 Primary 25 - 25.5 (ft) CP-51	EP-07 EP-07_19.5-20 23C0070-02 03/01/2023 Primary 19.5 - 20 (ft) CP-51	EP-08 EP-08_21-21.5 23C1774-08 03/29/2023 Primary 21 - 21.5 (ft) CP-51	EP-11 EP-11_20-20.5 23C0546-06 03/09/2023 Primary 20 - 20.5 (ft) CP-51	EP-12 EP-12_23-23.5 23C0070-05 03/01/2023 Primary 23 - 23.5 (ft) CP-51	EP-13 EP-13_21-21.5 23C1774-09 03/29/2023 Primary 21 - 21.5 (ft) CP-51	EP-16 EP-16_20-20.5 23C0546-07 03/09/2023 Primary 20 - 20.5 (ft) CP-51	EP-16 DUP-11_030923 23C0546-08 03/09/2023 Duplicate 20 - 20.5 (ft) CP-51	EP-17 EP-17_21-21.5 23C0070-06 03/01/2023 Primary 21 - 21.5 (ft) CP-51	EP-18 EP-18_21-21.5 23C1043-08 03/17/2023 Primary 21 - 21.5 (ft) CP-51	EP-21 EP-21_20-20.5 23C0675-05 03/10/2023 Primary 20 - 20.5 (ft) CP-51	EP-22 EP-22_16-16.5 23C0070-07 03/01/2023 Primary 16 - 16.5 (ft) CP-51	EP-23 EP-23_25-25.5 23C0821-04 03/15/2023 Primary 25 - 25.5 (ft) CP-51	
Other (%)																		
Percent Solids, weight		79.8	89	90.5	89.6	85.5	90.4	83.5	89.7	85.5	84.5	83.9	78.6	81.8	86.3	82.4	85.4	
Semi-Volatile Organic Compounds (mg/kg)																		
Acenaphthene	20	ND (0.0515)	ND (0.0467)	ND (0.0228)	ND (0.0459)	ND (0.0475)	ND (0.0227)	ND (0.0491)	ND (0.0461)	ND (0.0243)	ND (0.0491)	ND (0.0492)	ND (0.0528)	ND (0.0496)	ND (0.047)	ND (0.0504)	ND (0.0488)	J
Acenaphthylene	100	ND (0.0515)	ND (0.0467)	ND (0.0228)	ND (0.0459)	ND (0.0475)	ND (0.0227)	ND (0.0491)	ND (0.0461)	ND (0.0243)	ND (0.0491)	ND (0.0492)	ND (0.0528)	ND (0.0496)	ND (0.047)	ND (0.0504)	ND (0.0488)	J
Anthracene	100	ND (0.0515)	ND (0.0467)	ND (0.0228)	ND (0.0459)	ND (0.0475)	ND (0.0227)	ND (0.0491)	ND (0.0461)	ND (0.0243)	ND (0.0491)	ND (0.0492)	ND (0.0528)	ND (0.0496)	ND (0.047)	ND (0.0504)	ND (0.0488)	
Benzo(a)anthracene	1	ND (0.0515)	ND (0.0467)	ND (0.0228)	ND (0.0459)	ND (0.0475)	ND (0.0227)	ND (0.0491)	ND (0.0461)	ND (0.0243)	ND (0.0491)	ND (0.0492)	ND (0.0528)	ND (0.0496)	ND (0.047)	ND (0.0504)	ND (0.0488)	
Benzo(a)pyrene	1	ND (0.0515)	ND (0.0467)	ND (0.0228)	ND (0.0459)	ND (0.0475)	ND (0.0227)	ND (0.0491)	ND (0.0461)	ND (0.0243)	ND (0.0491)	ND (0.0492)	ND (0.0528)	ND (0.0496)	ND (0.047)	ND (0.0504)	ND (0.0488)	
Benzo(b)fluoranthene	1	ND (0.0515)	ND (0.0467)	ND (0.0228)	ND (0.0459)	ND (0.0475)	ND (0.0227)	ND (0.0491)	ND (0.0461)	ND (0.0243)	ND (0.0491)	ND (0.0492)	ND (0.0528)	ND (0.0496)	ND (0.047)	ND (0.0504)	ND (0.0488)	
Benzo(g,h,i)perylene	100	ND (0.0515)	ND (0.0467)	ND (0.0228)	ND (0.0459)	ND (0.0475)	ND (0.0227)	ND (0.0491)	ND (0.0461)	ND (0.0243)	ND (0.0491)	ND (0.0492)	ND (0.0528)	ND (0.0496)	ND (0.047)	ND (0.0504)	ND (0.0488)	
Benzo(k)fluoranthene	0.8	ND (0.0515)	ND (0.0467)	ND (0.0228)	ND (0.0459)	ND (0.0475)	ND (0.0227)	ND (0.0491)	ND (0.0461)	ND (0.0243)	ND (0.0491)	ND (0.0492)	ND (0.0528)	ND (0.0496)	ND (0.047)	ND (0.0504)	ND (0.0488)	
Chrysene	1	ND (0.0515)	ND (0.0467)	ND (0.0228)	ND (0.0459)	ND (0.0475)	ND (0.0227)	ND (0.0491)	ND (0.0461)	ND (0.0243)	ND (0.0491)	ND (0.0492)	ND (0.0528)	ND (0.0496)	ND (0.047)	ND (0.0504)	ND (0.0488)	
Dibenz(a,h)anthracene	0.33	ND (0.0515)	ND (0.0467)	ND (0.0228)	ND (0.0459)	ND (0.0475)	ND (0.0227)	ND (0.0491)	ND (0.0461)	ND (0.0243)	ND (0.0491)	ND (0.0492)	ND (0.0528)	ND (0.0496)	ND (0.047)	ND (0.0504)	ND (0.0488)	
Fluoranthene	100	ND (0.0515)	ND (0.0467)	ND (0.0228)	ND (0.0459)	ND (0.0475)	ND (0.0227)	ND (0.0491)	ND (0.0461)	ND (0.0243)	ND (0.0491)	ND (0.0492)	ND (0.0528)	ND (0.0496)	ND (0.047)	ND (0.0504)	ND (0.0488)	
Fluorene	30	ND (0.0515)	ND (0.0467)	ND (0.0228)	ND (0.0459)	ND (0.0475)	ND (0.0227)	ND (0.0491)	ND (0.0461)	ND (0.0243)	ND (0.0491)	ND (0.0492)	ND (0.0528)	ND (0.0496)	ND (0.047)	ND (0.0504)	ND (0.0488)	J
Indeno(1,2,3-cd)pyrene	0.5	ND (0.0515)	ND (0.0467)	ND (0.0228)	ND (0.0459)	ND (0.0475)	ND (0.0227)	ND (0.0491)	ND (0.0461)	ND (0.0243)	ND (0.0491)	ND (0.0492)	ND (0.0528)	ND (0.0496)	ND (0.047)	ND (0.0504)	ND (0.0488)	
Naphthalene	12	ND (0.0515)	ND (0.0467)	ND (0.0228)	ND (0.0459)	ND (0.0475)	ND (0.0227)	ND (0.0491)	ND (0.0461)	ND (0.0243)	ND (0.0491)	ND (0.0492)	ND (0.0528)	ND (0.0496)	ND (0.047)	ND (0.0504)	ND (0.0488)	J
Phenanthrene	100	ND (0.0515)	ND (0.0467)	ND (0.0228)	ND (0.0459)	ND (0.0475)	ND (0.0227)	ND (0.0491)	ND (0.0461)	ND (0.0243)	ND (0.0491)	ND (0.0492)	ND (0.0528)	ND (0.0496)	ND (0.047)	ND (0.0504)	ND (0.0488)	
Pyrene	100	ND (0.0515)	ND (0.0467)	ND (0.0228)	ND (0.0459)	ND (0.0475)	ND (0.0227)	ND (0.0491)	ND (0.0461)	ND (0.0243)	ND (0.0491)	ND (0.0492)	ND (0.0528)	ND (0.0496)	ND (0.047)	ND (0.0504)	ND (0.0488)	
Volatile Organic Compounds (mg/kg)																		
1,2,4-Trimethylbenzene	3.6	ND (0.0024)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0024)	ND (0.0027)	ND (0.003)	ND (0.0026)	ND (0.0029)	ND (0.0021)	ND (0.0025)	ND (0.0032)	
1,3,5-Trimethylbenzene	8.4	ND (0.0024)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0024)	ND (0.0027)	ND (0.003)	ND (0.0026)	ND (0.0029)	ND (0.0021)	ND (0.0025)	ND (0.0032)	
2-Phenylbutane (sec-Butylbenzene)	11	ND (0.0024)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0024)	ND (0.0027)	ND (0.003)	ND (0.0026)	ND (0.0029)	ND (0.0021)	ND (0.0025)	ND (0.0032)	
Benzene	0.06	ND (0.0024)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0024)	ND (0.0027)	ND (0.003)	ND (0.0026)	ND (0.0029)	ND (0.0021)	ND (0.0025)	ND (0.0032)	
Cymene (p-Isopropyltoluene)	NA	ND (0.0024)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0024)	ND (0.0027)	ND (0.003)	ND (0.0026)	ND (0.0029) J	ND (0.0021)	ND (0.0025)	ND (0.0032)	
Ethylbenzene	1	ND (0.0024)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0024)	ND (0.0027)	ND (0.003)	ND (0.0026)	ND (0.0029)	ND (0.0021)	ND (0.0025)	ND (0.0032)	
Isopropylbenzene (Cumene)	NA	ND (0.0024)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0024)	ND (0.0027)	ND (0.003)	ND (0.0026)	ND (0.0029)	ND (0.0021)	ND (0.0025)	ND (0.0032)	
m,p-Xylenes	NA	ND (0.0047)	ND (0.006)	ND (0.004)	ND (0.0039)	ND (0.0043)	ND (0.0044)	ND (0.0043)	ND (0.0042)	ND (0.0047)	ND (0.0054)	ND (0.006)	ND (0.0052)	ND (0.0057)	ND (0.0042)	ND (0.0051)	ND (0.0065)	
Methyl Tert Butyl Ether (MTBE)	0.93	ND (0.0024)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0021)	0.0023 J	ND (0.0024)	ND (0.0027)	ND (0.003)	0.0028 J	ND (0.0029)	ND (0.0021) J	ND (0.0025)	ND (0.0032)	
Naphthalene	12	ND (0.0024)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0024)	ND (0.0027)	ND (0.003)	ND (0.0026)	ND (0.0029)	ND (0.0021)	ND (0.0025)	ND (0.0032)	
n-Butylbenzene	12	ND (0.0024)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0024)	ND (0.0027)	ND (0.003)	ND (0.0026)	ND (0.0029) J	ND (0.0021)	ND (0.0025)	ND (0.0032)	
n-Propylbenzene	3.9	ND (0.0024)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0024)	ND (0.0027)	ND (0.003)	ND (0.0026)	ND (0.0029)	ND (0.0021)	ND (0.0025)	ND (0.0032)	
o-Xylene	NA	ND (0.0024)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0024)	ND (0.0027)	ND (0.003)	ND (0.0026)	ND (0.0029)	ND (0.0021)	ND (0.0025)	ND (0.0032)	
tert-Butylbenzene	5.9	ND (0.0024)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0024)	ND (0.0027)	ND (0.003)	ND (0.0026)	ND (0.0029) J	ND (0.0021)	ND (0.0025)	ND (0.0032)	
Toluene	0.7	ND (0.0024)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0021)	ND (0.0021)	ND (0.0024)	ND (0.0027)	ND (0.003)	ND (0.0026)	ND (0.0029)	ND (0.0021)	ND (0.0025)	ND (0.0032)	
Xylene (Total)	0.26	ND (0.0071)	ND (0.0089)	ND (0.0059)	ND (0.0059)	ND (0.0064)	ND (0.0067)	ND (0.0064)	ND (0.0063)	ND (0.0071)	ND (0.0082)	ND (0.009)	ND (0.0078)	ND (0.0086)	ND (0.0062)	ND (0.0076)	ND (0.0097)	

Notes:

mg/kg: milligram per kilogram

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.

- Shaded values indicate an exceedance of the Unrestricted Use Soil Cleanup Objectives

- EP-46_6-6.5, EP-48_10-10.5, EP-49_8-8.5, and EP-50_12-12.5 were analyzed for Part 375

TABLE VIII
PETROLEUM-IMPACTED MATERIAL CONFIRMATION SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	New York Part 375 Unrestricted Use Soil Cleanup Objectives	EP-23 DUP-13_031523 23C0821-03 03/15/2023 Duplicate 25 - 25.5 (ft) CP-51	EP-24 EP-24_14-14.5 23B1073-04 02/20/2023 Primary 14 - 14.5 (ft) CP-51	EP-26 EP-26_20-20.5 23C0675-06 03/10/2023 Primary 20 - 20.5 (ft) CP-51	EP-27 EP-27_25-25.5 23C0289-06 03/06/2023 Primary 25 - 25.5 (ft) CP-51	EP-28 EP-28_20-20.5 23C0289-07 03/06/2023 Primary 20 - 20.5 (ft) CP-51	EP-29 EP-29_18-18.5 23B1073-12 02/20/2023 Primary 18 - 18.5 (ft) CP-51	EP-29 EP-29_20-20.5 23C0289-08 03/06/2023 Primary 20 - 20.5 (ft) CP-51	EP-30 EP-30_18-18.5 23B1073-13 02/20/2023 Primary 18 - 18.5 (ft) CP-51	EP-31 EP-31_20-20.5 23C0675-10 03/10/2023 Primary 20 - 20.5 (ft) CP-51	EP-32 EP-32_21-21.5 23C0289-11 03/06/2023 Primary 21 - 21.5 (ft) CP-51	EP-33 EP-33_18-18.5 23C0289-10 03/06/2023 Primary 18 - 18.5 (ft) CP-51	EP-34 EP-34_18-18.5 23C0289-09 03/06/2023 Primary 18 - 18.5 (ft) CP-51	EP-35 EP-35_24-24.5 23C1043-12 03/17/2023 Primary 24 - 24.5 (ft) CP-51	EP-36 EP-36_24-24.5 23C0675-08 03/10/2023 Primary 24 - 24.5 (ft) CP-51	EP-37 EP-37_24-24.5 23C0675-09 03/10/2023 Primary 24 - 24.5 (ft) CP-51	EP-38 EP-38_25-25.5 23C0289-12 03/06/2023 Primary 25 - 25.5 (ft) CP-51	
Other (%)																		
Percent Solids, weight		85.3	82.2	83.3	85.1	86.3	83.3	88	81.4	82.8	85.3	83.9	85.4	84.6	82.2	90.3	72.4	
Semi-Volatile Organic Compounds (mg/kg)																		
Acenaphthene	20	ND (0.0485)	ND (0.0505)	ND (0.0492)	ND (0.0477)	ND (0.0483)	ND (0.0499)	ND (0.0469)	ND (0.0503)	ND (0.0501)	ND (0.0476)	ND (0.0497)	ND (0.0478)	ND (0.0493)	ND (0.0495)	ND (0.0457)	ND (0.0562)	
Acenaphthylene	100	ND (0.0485)	ND (0.0505)	ND (0.0492)	ND (0.0477)	ND (0.0483)	ND (0.0499)	ND (0.0469)	ND (0.0503)	ND (0.0501)	ND (0.0476)	ND (0.0497)	ND (0.0478)	ND (0.0493)	ND (0.0495)	ND (0.0457)	ND (0.0562)	
Anthracene	100	ND (0.0485)	ND (0.0505)	ND (0.0492)	ND (0.0477)	ND (0.0483)	ND (0.0499)	ND (0.0469)	ND (0.0503)	ND (0.0501)	ND (0.0476)	ND (0.0497)	ND (0.0478)	ND (0.0493)	ND (0.0495)	ND (0.0457)	ND (0.0562)	
Benzo(a)anthracene	1	ND (0.0485)	ND (0.0505)	ND (0.0492)	ND (0.0477)	ND (0.0483)	ND (0.0499)	ND (0.0469)	ND (0.0503)	ND (0.0501)	ND (0.0476)	ND (0.0497)	ND (0.0478)	ND (0.0493)	ND (0.0495)	ND (0.0457)	ND (0.0562)	
Benzo(a)pyrene	1	ND (0.0485)	ND (0.0505)	ND (0.0492)	ND (0.0477)	ND (0.0483)	ND (0.0499)	ND (0.0469)	ND (0.0503)	ND (0.0501)	ND (0.0476)	ND (0.0497)	ND (0.0478)	ND (0.0493)	ND (0.0495)	ND (0.0457)	ND (0.0562)	
Benzo(b)fluoranthene	1	ND (0.0485)	ND (0.0505)	ND (0.0492)	ND (0.0477)	ND (0.0483)	ND (0.0499)	ND (0.0469)	ND (0.0503)	ND (0.0501)	ND (0.0476)	ND (0.0497)	ND (0.0478)	ND (0.0493)	ND (0.0495)	ND (0.0457)	ND (0.0562)	
Benzo(g,h,i)perylene	100	ND (0.0485)	ND (0.0505)	ND (0.0492)	ND (0.0477)	ND (0.0483)	ND (0.0499)	ND (0.0469)	ND (0.0503)	ND (0.0501)	ND (0.0476)	ND (0.0497)	ND (0.0478)	ND (0.0493)	ND (0.0495)	ND (0.0457)	ND (0.0562)	
Benzo(k)fluoranthene	0.8	ND (0.0485)	ND (0.0505)	ND (0.0492)	ND (0.0477)	ND (0.0483)	ND (0.0499)	ND (0.0469)	ND (0.0503)	ND (0.0501)	ND (0.0476)	ND (0.0497)	ND (0.0478)	ND (0.0493)	ND (0.0495)	ND (0.0457)	ND (0.0562)	
Chrysene	1	ND (0.0485)	ND (0.0505)	ND (0.0492)	ND (0.0477)	ND (0.0483)	ND (0.0499)	ND (0.0469)	ND (0.0503)	ND (0.0501)	ND (0.0476)	ND (0.0497)	ND (0.0478)	ND (0.0493)	ND (0.0495)	ND (0.0457)	ND (0.0562)	
Dibenz(a,h)anthracene	0.33	ND (0.0485)	ND (0.0505)	ND (0.0492)	ND (0.0477)	ND (0.0483)	ND (0.0499)	ND (0.0469)	ND (0.0503)	ND (0.0501)	ND (0.0476)	ND (0.0497)	ND (0.0478)	ND (0.0493)	ND (0.0495)	ND (0.0457)	ND (0.0562)	
Fluoranthene	100	ND (0.0485)	ND (0.0505)	ND (0.0492)	ND (0.0477)	ND (0.0483)	ND (0.0499)	ND (0.0469)	ND (0.0503)	ND (0.0501)	ND (0.0476)	ND (0.0497)	ND (0.0478)	ND (0.0493)	ND (0.0495)	ND (0.0457)	ND (0.0562)	
Fluorene	30	ND (0.0485)	ND (0.0505)	ND (0.0492)	ND (0.0477)	ND (0.0483)	ND (0.0499)	ND (0.0469)	ND (0.0503)	ND (0.0501)	ND (0.0476)	ND (0.0497)	ND (0.0478)	ND (0.0493)	ND (0.0495)	ND (0.0457)	ND (0.0562)	
Indeno(1,2,3-cd)pyrene	0.5	ND (0.0485)	ND (0.0505)	ND (0.0492)	ND (0.0477)	ND (0.0483)	ND (0.0499)	ND (0.0469)	ND (0.0503)	ND (0.0501)	ND (0.0476)	ND (0.0497)	ND (0.0478)	ND (0.0493)	ND (0.0495)	ND (0.0457)	ND (0.0562)	
Naphthalene	12	ND (0.0485)	ND (0.0505)	ND (0.0492)	ND (0.0477)	ND (0.0483)	ND (0.0499)	ND (0.0469)	ND (0.0503)	ND (0.0501)	ND (0.0476)	ND (0.0497)	ND (0.0478)	ND (0.0493)	ND (0.0495)	ND (0.0457)	ND (0.0562)	
Phenanthrene	100	ND (0.0485)	ND (0.0505)	ND (0.0492)	ND (0.0477)	ND (0.0483)	ND (0.0499)	ND (0.0469)	ND (0.0503)	ND (0.0501)	ND (0.0476)	ND (0.0497)	ND (0.0478)	ND (0.0493)	ND (0.0495)	ND (0.0457)	ND (0.0562)	
Pyrene	100	ND (0.0485)	ND (0.0505)	ND (0.0492)	ND (0.0477)	ND (0.0483)	ND (0.0499)	ND (0.0469)	ND (0.0503)	ND (0.0501)	ND (0.0476)	ND (0.0497)	ND (0.0478)	ND (0.0493)	ND (0.0495)	ND (0.0457)	ND (0.0562)	
Volatile Organic Compounds (mg/kg)																		
1,2,4-Trimethylbenzene	3.6	ND (0.003)	ND (0.0027)	ND (0.0027)	ND (0.0024)	ND (0.002)	ND (0.0034)	ND (0.0025)	ND (0.0023)	ND (0.003)	ND (0.0031)	ND (0.0019)	ND (0.003)	ND (0.0022)	ND (0.0026)	ND (0.0021)	ND (0.0031)	
1,3,5-Trimethylbenzene	8.4	ND (0.003)	ND (0.0027)	ND (0.0027)	ND (0.0024)	ND (0.002)	ND (0.0034)	ND (0.0025)	ND (0.0023)	ND (0.003)	ND (0.0031)	ND (0.0019)	ND (0.003)	ND (0.0022)	ND (0.0026)	ND (0.0021)	ND (0.0031)	
2-Phenylbutane (sec-Butylbenzene)	11	ND (0.003)	ND (0.0027)	ND (0.0027)	ND (0.0024)	ND (0.002)	ND (0.0034)	0.0033 J	ND (0.0023)	ND (0.003)	ND (0.0031)	ND (0.0019)	ND (0.003)	ND (0.0022)	ND (0.0026)	ND (0.0021)	ND (0.0031)	
Benzene	0.06	ND (0.003)	ND (0.0027)	ND (0.0027)	ND (0.0024)	ND (0.002)	ND (0.0034)	ND (0.0025)	ND (0.0023)	ND (0.003)	ND (0.0031)	ND (0.0019)	ND (0.003)	ND (0.0022)	ND (0.0026)	ND (0.0021)	ND (0.0031)	
Cymene (p-Isopropyltoluene)	NA	ND (0.003)	ND (0.0027)	ND (0.0027)	ND (0.0024)	ND (0.002)	ND (0.0034)	ND (0.0025)	ND (0.0023)	ND (0.003)	ND (0.0031)	ND (0.0019)	ND (0.003)	ND (0.0022) J	ND (0.0026)	ND (0.0021)	ND (0.0031)	
Ethylbenzene	1	ND (0.003)	ND (0.0027)	ND (0.0027)	ND (0.0024)	ND (0.002)	ND (0.0034)	ND (0.0025)	ND (0.0023)	ND (0.003)	ND (0.0031)	ND (0.0019)	ND (0.003)	ND (0.0022)	ND (0.0026)	ND (0.0021)	ND (0.0031)	
Isopropylbenzene (Cumene)	NA	ND (0.003)	ND (0.0027)	ND (0.0027)	ND (0.0024)	ND (0.002)	ND (0.0034)	ND (0.0025)	ND (0.0023)	ND (0.003)	ND (0.0031)	ND (0.0019)	ND (0.003) J	ND (0.0022)	ND (0.0026)	ND (0.0021)	ND (0.0031)	
m,p-Xylenes	NA	ND (0.0061)	ND (0.0054)	ND (0.0054)	ND (0.0047)	ND (0.0041)	ND (0.0067)	ND (0.0051)	ND (0.0047)	ND (0.0061)	ND (0.0063)	ND (0.0039)	ND (0.006) J	ND (0.0045)	ND (0.0053)	ND (0.0043)	ND (0.0063)	
Methyl Tert Butyl Ether (MTBE)	0.93	ND (0.003)	ND (0.0027)	ND (0.0027) J	ND (0.0024)	ND (0.002)	ND (0.0034)	ND (0.0025)	ND (0.0023)	ND (0.003)	ND (0.0031)	ND (0.0019)	ND (0.003)	ND (0.0022)	ND (0.0026) J	ND (0.0021) J	ND (0.0031)	
Naphthalene	12	ND (0.003)	ND (0.0027)	ND (0.0027)	ND (0.0024)	ND (0.002)	ND (0.0034)	ND (0.0025)	ND (0.0023)	ND (0.003)	ND (0.0031)	ND (0.0019)	ND (0.003)	ND (0.0022)	ND (0.0026)	ND (0.0021)	ND (0.0031)	
n-Butylbenzene	12	ND (0.003)	ND (0.0027)	ND (0.0027)	ND (0.0024)	ND (0.002)	ND (0.0034)	0.0026 J	ND (0.0023)	ND (0.003)	ND (0.0031)	ND (0.0019)	ND (0.003)	ND (0.0022) J	ND (0.0026)	ND (0.0021)	ND (0.0031)	
n-Propylbenzene	3.9	ND (0.003)	ND (0.0027)	ND (0.0027)	ND (0.0024)	ND (0.002)	ND (0.0034)	0.003 J	ND (0.0023)	ND (0.003)	ND (0.0031)	ND (0.0019)	ND (0.003)	ND (0.0022)	ND (0.0026)	ND (0.0021)	ND (0.0031)	
o-Xylene	NA	ND (0.003)	ND (0.0027)	ND (0.0027)	ND (0.0024)	ND (0.002)	ND (0.0034)	ND (0.0025)	ND (0.0023)	ND (0.003)	ND (0.0031)	ND (0.0019)	ND (0.003) J	ND (0.0022)	ND (0.0026)	ND (0.0021)	ND (0.0031)	
tert-Butylbenzene	5.9	ND (0.003)	ND (0.0027)	ND (0.0027)	ND (0.0024)	ND (0.002)	ND (0.0034)	ND (0.0025)	ND (0.0023)	ND (0.003)	ND (0.0031)	ND (0.0019)	ND (0.003)	ND (0.0022) J	ND (0.0026)	ND (0.0021)	ND (0.0031)	
Toluene	0.7	ND (0.003)	ND (0.0027)	ND (0.0027)	ND (0.0024)	ND (0.002)	ND (0.0034)	ND (0.0025)	ND (0.0023)	ND (0.003)	ND (0.0031)	ND (0.0019)	ND (0.003) J	ND (0.0022)	ND (0.0026)	0.0021 J	ND (0.0031)	
Xylene (Total)	0.26	ND (0.0091)	ND (0.0081)	ND (0.0081)	ND (0.0071)	ND (0.0061)	ND (0.01)	ND (0.0076)	ND (0.007)	ND (0.0091)	ND (0.0094)	ND (0.0058)	ND (0.009) J	ND (0.0067)	ND (0.0079)	ND (0.0064)	ND (0.0094)	

Notes:

mg/kg: milligram per kilogram

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.

- Shaded values indicate an exceedance of the Unrestricted Use Soil Cleanup Objectives

- EP-46_6-6.5, EP-48_10-10.5, EP-49_8-8.5, and EP-50_12-12.5 were analyzed for Part 375

TABLE VIII
PETROLEUM-IMPACTED MATERIAL CONFIRMATION SAMPLING RESULTS
138 BRUCKNER BOULEVARD SITE
138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Location Sample Name Lab Sample ID Sample Date Sample Type Sample Depth (bgs) Description	New York Part 375 Unrestricted Use Soil Cleanup Objectives	EP-39 EP-39_15-15.5 23C0289-01 03/06/2023 Primary 15 - 15.5 (ft) CP-51	EP-40 EP-40_15-15.5 23C0070-04 03/01/2023 Primary 15 - 15.5 (ft) CP-51	EP-44 EP-44_12-12.5 23D1213-01 04/19/2023 Primary 12 - 12.5 (ft) CP-51	EP-45 EP-45_12-12.5 23D1213-02 04/19/2023 Primary 12 - 12.5 (ft) CP-51	EP-46 EP-46_6-6.5 23B0368-29 02/07/2023 Primary 6 - 6.5 (ft) FILL/CP-51	EP-47 EP-47_14-14.5 23B1422-05 02/27/2023 Primary 14 - 14.5 (ft) CP-51	EP-48 EP-48_10-10.5 23B0368-18 02/07/2023 Primary 10 - 10.5 (ft) CP-51	EP-49 EP-49_8-8.5 23B0368-20 02/07/2023 Primary 8 - 8.5 (ft) CP-51	EP-50 EP-50_12-12.5 23B0368-24 02/07/2023 Primary 12 - 12.5 (ft) CP-51	EP-51 EP-51_6.5-7 23B0189-03 02/02/2023 Primary 6.5 - 7 (ft) CP-51	EP-58 EP-58_25-25.5 23C0373-07 03/06/2023 Primary 25 - 25.5 (ft) CP-51
Other (%)												
Percent Solids, weight		90.6	80.3	92.3	94.9	89.6 J	90.3	90.8 J	89.4 J	85.7 J	80.5 J	76.3
Semi-Volatile Organic Compounds (mg/kg)												
Acenaphthene	20	ND (0.0451)	ND (0.0517)	ND (0.0451)	ND (0.0436)	ND (0.0464)	ND (0.046)	ND (0.045)	ND (0.0454)	ND (0.0478)	ND (0.0504)	ND (0.0797)
Acenaphthylene	100	ND (0.0451)	ND (0.0517)	ND (0.0451)	ND (0.0436)	ND (0.0464)	ND (0.046)	ND (0.045)	ND (0.0454)	ND (0.0478)	ND (0.0504)	ND (0.0797)
Anthracene	100	ND (0.0451)	ND (0.0517)	ND (0.0451)	0.0863 J	ND (0.0464)	ND (0.046)	ND (0.045)	ND (0.0454)	ND (0.0478)	ND (0.0504)	ND (0.0797)
Benzo(a)anthracene	1	ND (0.0451)	ND (0.0517)	ND (0.0451)	ND (0.0436)	ND (0.0464)	ND (0.046)	ND (0.045)	ND (0.0454)	ND (0.0478)	ND (0.0504)	ND (0.0797)
Benzo(a)pyrene	1	ND (0.0451)	ND (0.0517)	ND (0.0451)	ND (0.0436)	ND (0.0464)	ND (0.046)	ND (0.045)	ND (0.0454)	ND (0.0478)	ND (0.0504)	ND (0.0797)
Benzo(b)fluoranthene	1	ND (0.0451)	ND (0.0517)	ND (0.0451)	0.0438 J	ND (0.0464)	ND (0.046)	ND (0.045)	ND (0.0454)	ND (0.0478)	ND (0.0504)	ND (0.0797)
Benzo(g,h,i)perylene	100	ND (0.0451)	ND (0.0517)	ND (0.0451)	ND (0.0436)	ND (0.0464)	ND (0.046)	ND (0.045)	ND (0.0454)	ND (0.0478)	ND (0.0504)	ND (0.0797)
Benzo(k)fluoranthene	0.8	ND (0.0451)	ND (0.0517)	ND (0.0451)	ND (0.0436)	ND (0.0464)	ND (0.046)	ND (0.045)	ND (0.0454)	ND (0.0478)	ND (0.0504)	ND (0.0797)
Chrysene	1	ND (0.0451)	ND (0.0517)	ND (0.0451)	0.0438 J	ND (0.0464)	ND (0.046)	ND (0.045)	ND (0.0454)	ND (0.0478)	ND (0.0504)	ND (0.0797)
Dibenz(a,h)anthracene	0.33	ND (0.0451)	ND (0.0517)	ND (0.0451)	ND (0.0436)	ND (0.0464)	ND (0.046)	ND (0.045)	ND (0.0454)	ND (0.0478)	ND (0.0504)	ND (0.0797)
Fluoranthene	100	ND (0.0451)	ND (0.0517)	ND (0.0451)	0.0654 J	ND (0.0464)	ND (0.046)	ND (0.045)	ND (0.0454)	ND (0.0478)	ND (0.0504)	ND (0.0797)
Fluorene	30	ND (0.0451)	ND (0.0517)	ND (0.0451)	ND (0.0436)	ND (0.0464)	ND (0.046)	ND (0.045)	ND (0.0454)	ND (0.0478)	ND (0.0504)	ND (0.0797)
Indeno(1,2,3-cd)pyrene	0.5	ND (0.0451)	ND (0.0517)	ND (0.0451)	ND (0.0436)	ND (0.0464)	ND (0.046)	ND (0.045)	ND (0.0454)	ND (0.0478)	ND (0.0504)	ND (0.0797)
Naphthalene	12	ND (0.0451)	ND (0.0517)	ND (0.0451)	ND (0.0436)	ND (0.0464)	ND (0.046)	ND (0.045)	ND (0.0454)	ND (0.0478)	ND (0.0504)	ND (0.0797)
Phenanthrene	100	ND (0.0451)	ND (0.0517)	ND (0.0451)	0.0932	ND (0.0464)	ND (0.046)	ND (0.045)	ND (0.0454)	ND (0.0478)	ND (0.0504)	ND (0.0797)
Pyrene	100	ND (0.0451)	ND (0.0517)	ND (0.0451)	0.15	ND (0.0464)	ND (0.046)	ND (0.045)	ND (0.0454)	ND (0.0478)	ND (0.0504)	ND (0.0797)
Volatile Organic Compounds (mg/kg)												
1,2,4-Trimethylbenzene	3.6	ND (0.0021)	ND (0.0031)	ND (0.0026)	ND (0.0024)	ND (0.0025)	ND (0.0023)	ND (0.0022)	ND (0.0021)	ND (0.0024)	ND (0.0026)	ND (0.0034)
1,3,5-Trimethylbenzene	8.4	ND (0.0021)	ND (0.0031)	ND (0.0026)	ND (0.0024)	ND (0.0025)	ND (0.0023)	ND (0.0022)	ND (0.0021)	ND (0.0024)	ND (0.0026)	ND (0.0034)
2-Phenylbutane (sec-Butylbenzene)	11	ND (0.0021)	ND (0.0031)	ND (0.0026)	ND (0.0024)	ND (0.0025)	ND (0.0023)	ND (0.0022)	ND (0.0021)	ND (0.0024)	ND (0.0026)	ND (0.0034)
Benzene	0.06	ND (0.0021)	ND (0.0031)	ND (0.0026)	ND (0.0024)	ND (0.0025)	ND (0.0023)	ND (0.0022)	ND (0.0021)	ND (0.0024)	ND (0.0026)	ND (0.0034)
Cymene (p-Isopropyltoluene)	NA	ND (0.0021)	ND (0.0031)	ND (0.0026)	ND (0.0024)	ND (0.0025)	ND (0.0023)	ND (0.0022)	ND (0.0021)	ND (0.0024)	ND (0.0026)	ND (0.0034)
Ethylbenzene	1	ND (0.0021)	ND (0.0031)	ND (0.0026)	ND (0.0024)	ND (0.0025)	ND (0.0023)	ND (0.0022)	ND (0.0021)	ND (0.0024)	ND (0.0026)	ND (0.0034)
Isopropylbenzene (Cumene)	NA	ND (0.0021)	ND (0.0031)	ND (0.0026)	ND (0.0024)	ND (0.0025)	ND (0.0023)	ND (0.0022)	ND (0.0021)	ND (0.0024)	ND (0.0026)	ND (0.0034)
m,p-Xylenes	NA	ND (0.0041)	ND (0.0062)	ND (0.0052)	ND (0.0049)	ND (0.0049)	ND (0.0046)	ND (0.0045)	ND (0.0042)	ND (0.0049)	ND (0.0052)	ND (0.0068)
Methyl Tert Butyl Ether (MTBE)	0.93	ND (0.0021)	ND (0.0031)	ND (0.0026)	ND (0.0024)	ND (0.0025)	ND (0.0023)	ND (0.0022)	ND (0.0021)	ND (0.0024)	ND (0.0026)	ND (0.0034)
Naphthalene	12	ND (0.0021)	ND (0.0031)	ND (0.0026)	ND (0.0024)	ND (0.0025)	ND (0.0023)	ND (0.0022)	ND (0.0021)	ND (0.0024)	ND (0.0026)	ND (0.0034)
n-Butylbenzene	12	ND (0.0021)	ND (0.0031)	ND (0.0026)	ND (0.0024)	ND (0.0025)	ND (0.0023)	ND (0.0022)	ND (0.0021)	ND (0.0024)	ND (0.0026)	ND (0.0034)
n-Propylbenzene	3.9	ND (0.0021)	ND (0.0031)	ND (0.0026)	ND (0.0024)	ND (0.0025)	ND (0.0023)	ND (0.0022)	ND (0.0021)	ND (0.0024)	ND (0.0026)	ND (0.0034)
o-Xylene	NA	ND (0.0021)	ND (0.0031)	ND (0.0026)	ND (0.0024)	ND (0.0025)	ND (0.0023)	ND (0.0022)	ND (0.0021)	ND (0.0024)	ND (0.0026)	ND (0.0034)
tert-Butylbenzene	5.9	ND (0.0021)	ND (0.0031)	ND (0.0026)	ND (0.0024)	ND (0.0025)	ND (0.0023)	ND (0.0022)	ND (0.0021)	ND (0.0024)	ND (0.0026) J	ND (0.0034)
Toluene	0.7	ND (0.0021)	ND (0.0031)	ND (0.0026)	ND (0.0024)	ND (0.0025)	ND (0.0023)	ND (0.0022)	ND (0.0021)	ND (0.0024)	ND (0.0026)	ND (0.0034)
Xylene (Total)	0.26	ND (0.0062)	ND (0.0094)	ND (0.0078)	ND (0.0073)	ND (0.0074)	ND (0.0069)	ND (0.0067)	ND (0.0063)	ND (0.0073)	ND (0.0078)	ND (0.01)

Notes:

mg/kg: milligram per kilogram

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.

- Shaded values indicate an exceedance of the Unrestricted Use Soil Cleanup Objectives

- EP-46_6-6.5, EP-48_10-10.5, EP-49_8-8.5, and EP-50_12-12.5 were analyzed for Part 375

TABLE IX

REMEDIAL AND PIM EXCAVATION DEPTHS

138 BRUCKNER BOULEVARD SITE

138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Sample ID	Proposed Remedial Depth (ft bgs)	As-Built Remedial Depth (ft bgs)	PIM Top (ft bgs)	As-Built PIM Depth (ft bgs)	As-Built Max Excavation Depth (ft bgs)
EP-01	8	16	10	22	22
EP-02	8	12	8	17	17
EP-03	8	10	8	18	18
EP-04	8	8	--	--	8
EP-05	8	8	--	--	8
EP-06	8	10	8	24 ⁽¹⁾	10
EP-07	8	8	8	19.5	19.5
EP-08	8	10	8	21	21
EP-09	8	10	--	--	10
EP-10	8	8	--	--	8
EP-11	8	14	8	20	20
EP-12	8	12	8	23	23
EP-13	8	12	8	21	21
EP-14	8	10	--	--	10
EP-15	8	8	--	--	8
EP-16	8	20	8	20	20
EP-17	8	8	8	21	21
EP-18	8	10	8	21	21
EP-19	8	8	--	--	8
EP-20	8	8	--	--	8
EP-21	8	10	8	20	20
EP-22	8	8	8	16	16
EP-23	8	12	8	25	25
EP-24	8	8	8	14	14
EP-25	8	8	--	--	8
EP-26	8	12	8	20	20
EP-27	8	14	8	25	25
EP-28	8	8	8	20	20
EP-29	8	8	8	18	18
EP-30	8	12	8	18	18
EP-31	8	18	8	20	20
EP-32	8	10	8	21	21
EP-33	8	10	8	18	18
EP-34	8	10	8	18	18
EP-35	8	8	14	24	24
EP-36	8	10	8	24	24
EP-37	8	10	8	24	24
EP-38	8	8	8	24 ⁽¹⁾	8
EP-39	8	10	8	15	15
EP-40	8	10	8	15	15
EP-41	2	2	--	--	2
EP-42	2	4	--	--	4
EP-43	2	6	--	--	6
EP-44	2	8	4	12	12
EP-45	2	4	4	12	12
EP-46	2	6	4	6	6
EP-47	4	4	4	14	14
EP-48	4	4	4	10	10

TABLE IX

REMEDIAL AND PIM EXCAVATION DEPTHS

138 BRUCKNER BOULEVARD SITE

138 BRUCKNER BOULEVARD, BRONX, NEW YORK

Sample ID	Proposed Remedial Depth (ft bgs)	As-Built Remedial Depth (ft bgs)	PIM Top (ft bgs)	As-Built PIM Depth (ft bgs)	As-Built Max Excavation Depth (ft bgs)
EP-49	4	6	4	8	8
EP-50	4	6	4	12	12
EP-51	4	4	4.5	6.5	6.5
EP-52	4	4	--	--	4
EP-53	4	4	--	--	4
EP-54	4	6	--	--	6
EP-55	4	6	--	--	6
EP-56	4	6	--	--	6
EP-57	4	9	--	--	9
EP-58	4	13.5	4	24 ⁽¹⁾	13.5

Notes:*ft bgs = feet below ground surface**PIM = Petroleum-Impacted Material**-- = no PIM observed**⁽¹⁾ Excavation depth was 24 ft bgs; PIM sample collected at 25 ft bgs*

TABLE X**IMPORTED MATERIAL QUANTITIES AND SOURCES**

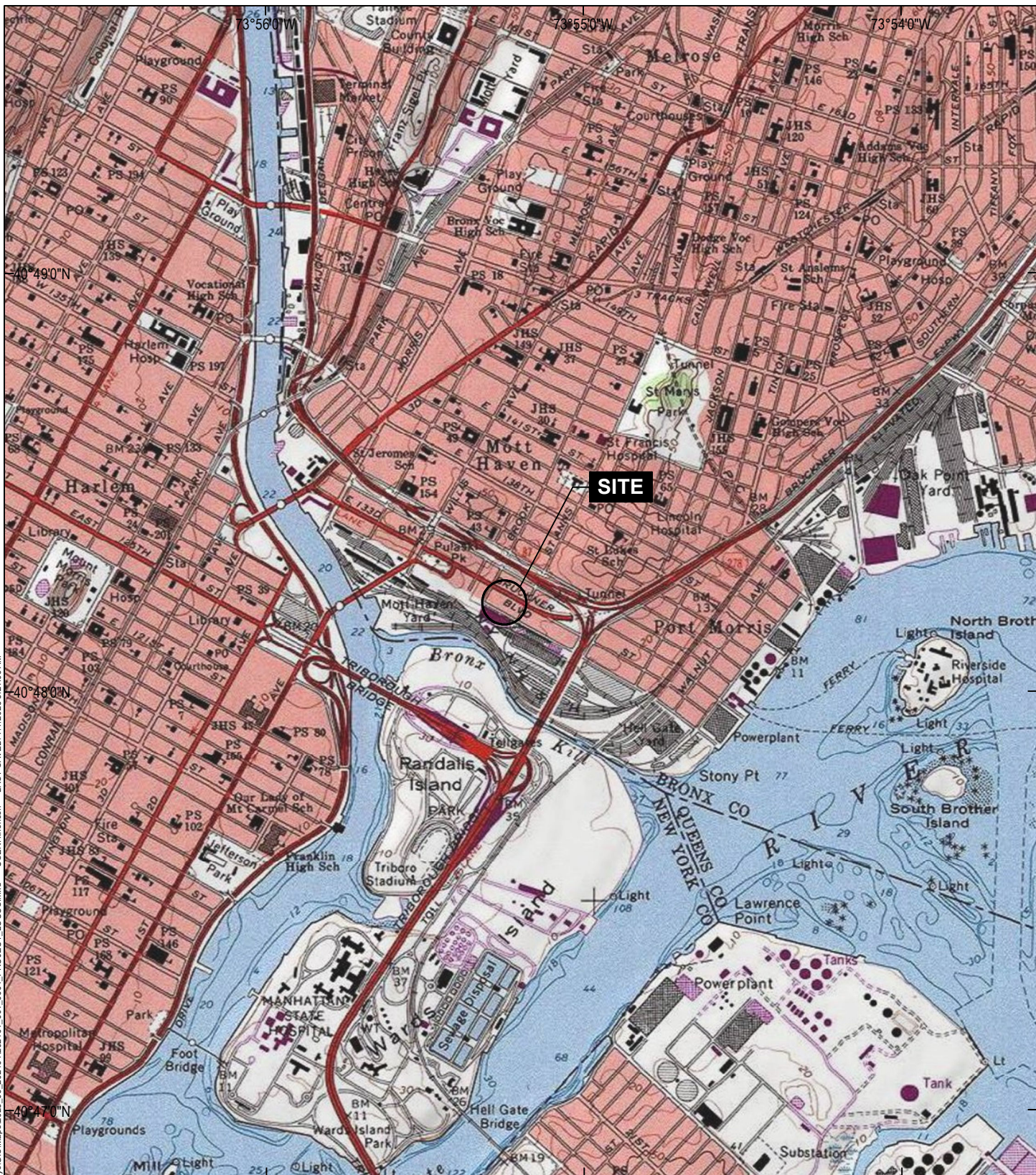
138 BRUCKNER BOULEVARD SITE

138 BRUCKNER BOULEVARD, BRONX, 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.	2 1/2" clean stone	249.40
			3/4" clean stone	422.62
			Total	672.02

FIGURES

GIS FILE PATH: \\haleyaldrich.com\share\CF\Groups\tyc\GIS\Maps\2023_06_20\2164\2164_001_0001_PROJECT_LOCUS.mxd — USER: kienan — LAST SAVED: 7/7/2023 5:21:06 AM



MAP SOURCE: USGS
SITE COORDINATES: 70°55'14\"N, 40°48'12\"W

**HALEY
ALDRICH**

138 BRUCKNER BOULEVARD
BRONX, NEW YORK

PROJECT LOCUS

APPROXIMATE SCALE: 1 IN = 2000 FT
AUGUST 2023

FIGURE 1

GIS FILE PATH: \\haleyaldrich.com\share\CF\GIS\group\haleynyc\GIS\Maps\2023_06_202164\202164_001_0002_SITE_PLAN.mxd — USER: khansen — LAST SAVED: 7/7/2023 5:16:37 AM

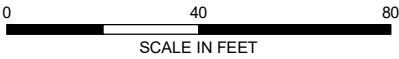


LEGEND

-  SITE BOUNDARY
-  PARCEL BOUNDARY

NOTES

1. ALL LOCATIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
3. AERIAL IMAGERY SOURCE: NEARMAP, 28 MAY 2023



HALEY
ALDRICH

138 BRUCKNER BOULEVARD
BRONX, NEW YORK

SITE PLAN

AUGUST 2023

FIGURE 2

NOTES

-

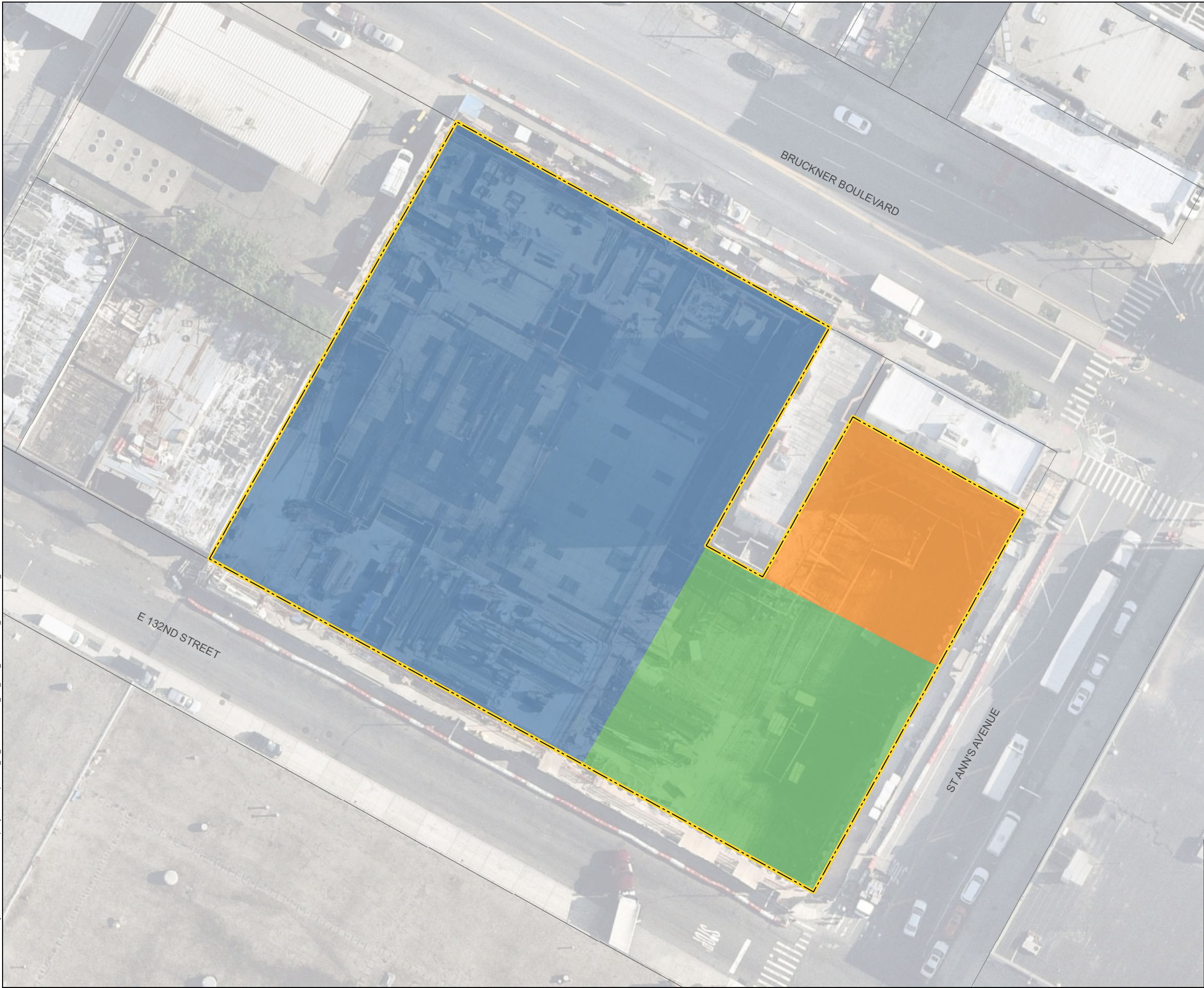


**HALEY
ALDRICH** 138 BRUCKNER BOULEVARD
BRONX, NEW YORK

NOVEMBER 2023

FIGURE 3

GIS FILE PATH: \\haleyaldrich.com\share\CF\GIS\group\haleynyc\GIS\Maps\2023_06_202164\202164_001_0004_PROPOSED_EXCAVATION_PLAN.mxd — USER: khensen — LAST SAVED: 7/7/2023 9:23:01 AM



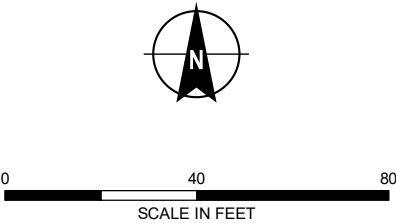
LEGEND

PROPOSED REMEDIATION EXCAVATION BY DEPTH IN FEET BELOW GROUND SURFACE (BGS)

- 2' EXCAVATION
- 4' EXCAVATION
- 8' EXCAVATION
- PARCEL BOUNDARY
- SITE BOUNDARY

NOTES

- 1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
- 2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
- 3. AERIAL IMAGERY SOURCE: NEARMAP, 28 MAY 2023



HALEY
ALDRICH

138 BRUCKNER BOULEVARD
BRONX, NEW YORK

PROPOSED REMEDIATION
EXCAVATION PLAN

AUGUST 2023

FIGURE 4

GIS FILE PATH: \\haleyaldrichshare\CF\Groups\hys\GIS\Maps\2023_06_202164\202164_001_0005_REMEDIAL_EXCAVATION_PLAN.mxd — USER: rmljones — LAST SAVED: 11/8/2023 3:50:05 PM



LEGEND

● ENDPOINT SAMPLE LOCATION

REMEDIAL EXCAVATION DEPTHS IN FEET BELOW GROUND SURFACE (BGS)

- REMEDIAL EXCAVATION, 2 FT BGS
- REMEDIAL EXCAVATION, 4 FT BGS
- REMEDIAL EXCAVATION, 6 FT BGS
- REMEDIAL EXCAVATION, 8 FT BGS
- REMEDIAL EXCAVATION, 9 FT BGS
- REMEDIAL EXCAVATION, 10 FT BGS
- REMEDIAL EXCAVATION, 12 FT BGS
- REMEDIAL EXCAVATION, 13.5 FT BGS
- REMEDIAL EXCAVATION, 14 FT BGS
- REMEDIAL EXCAVATION, 16 FT BGS
- REMEDIAL EXCAVATION, 18 FT BGS
- REMEDIAL EXCAVATION, 20 FT BGS

ENDPOINT GRID

PARCEL BOUNDARY

SITE BOUNDARY

NOTES

- ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
- ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
- AERIAL IMAGERY SOURCE: NEARMAP, 28 MAY 2023



0 40 80
SCALE IN FEET



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ALDRICH

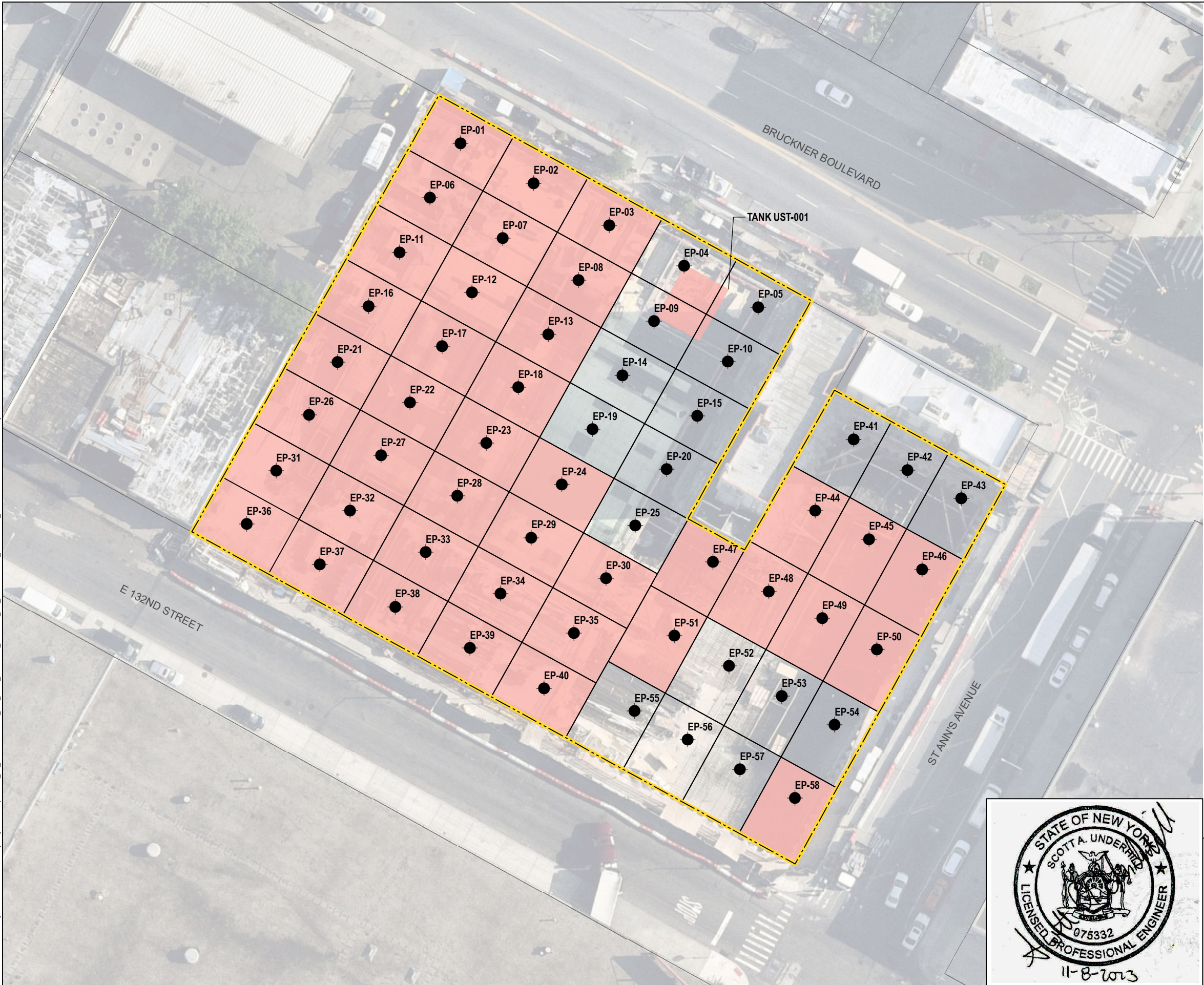
138 BRUCKNER BOULEVARD
BRONX, NEW YORK

REMEDIAL EXCAVATION PLAN

NOVEMBER 2023

FIGURE 5

GIS FILE PATH: \\haleyaldrichshare\CF\Groups\hys\GIS\Maps\2023_06_202164\202164_001_0006_LATERAL_EXTENT_OF_PETROLEUM_IMPACTED_MATERIAL.mxd — USER: mmjones — LAST SAVED: 11/8/2023 3:53:55 PM



LEGEND

- ENDPOINT SAMPLE LOCATION
- PETROLEUM-IMPACTED MATERIAL (PIM)
- ENDPOINT SAMPLE GRID
- PARCEL BOUNDARY
- SITE BOUNDARY

NOTES

- 1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
- 2. EXTENT OF PETROLEUM-IMPACTED MATERIAL IS BASED ON FIELD OBSERVATIONS DURING REMEDIAL ACTION
- 3. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
- 4. AERIAL IMAGERY SOURCE: NEARMAP, 28 MAY 2023



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SCALE IN FEET



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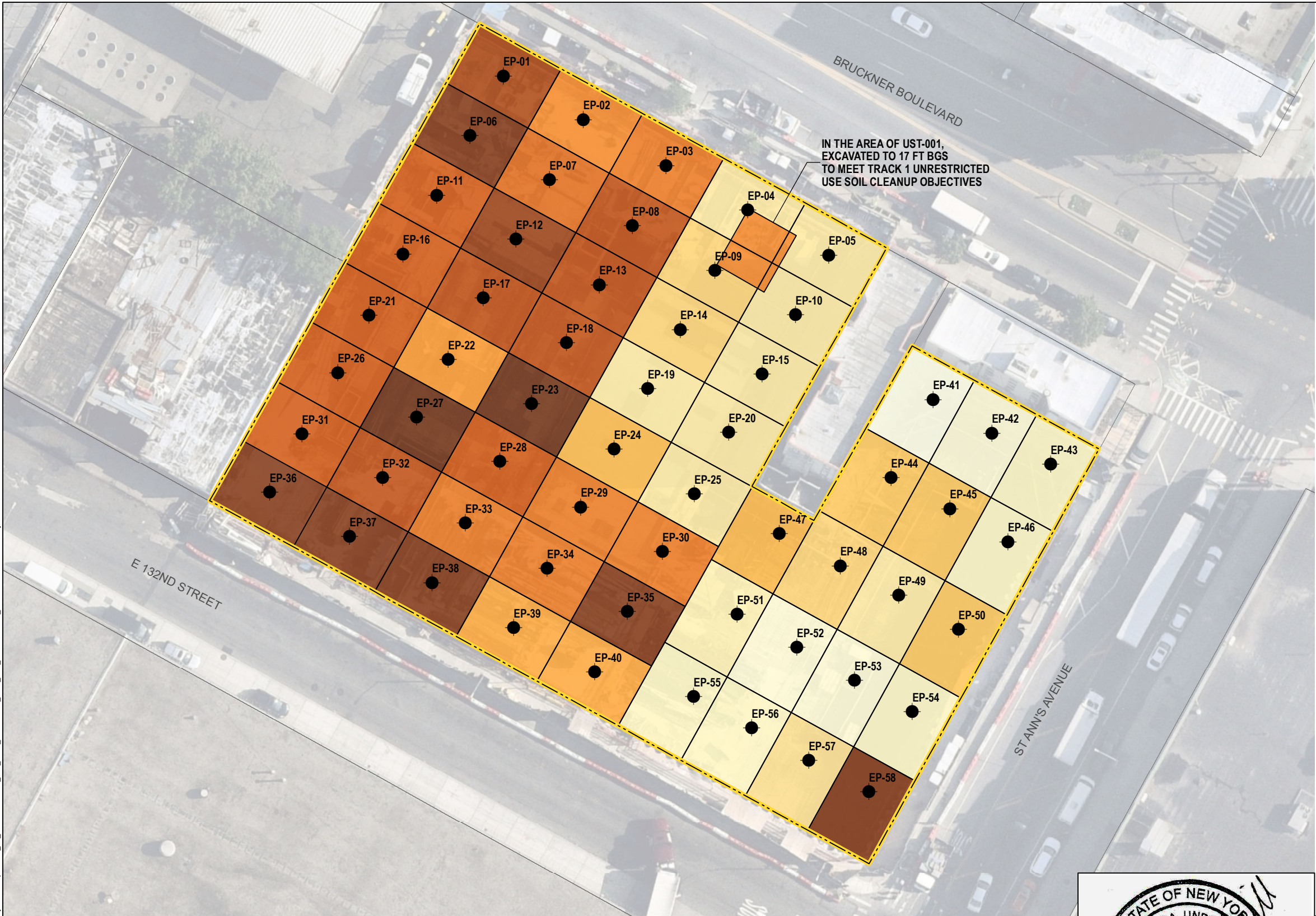
138 BRUCKNER BOULEVARD
BRONX, NEW YORK

LATERAL EXTENT OF
PETROLEUM IMPACTED MATERIAL

NOVEMBER 2023

FIGURE 6

GIS FILE PATH: \\haleyaldrich\share\CF\Groups\hys\GIS\Maps\2023_06_202164\202164_001_0007_REMEDIAL_AND_PIM_EXCAVATION_MAP.mxd — USER: mmjones — LAST SAVED: 11/9/2023 3:57:46 PM



REMEDIAL AND PETROLEUM-IMPACTED MATERIALS (PIM) EXCAVATION DEPTHS IN FEET BELOW GROUND SURFACE (BGS)

	REMEDIAL/PIM EXCAVATION, 2 FT BGS
	REMEDIAL/PIM EXCAVATION, 4 FT BGS
	REMEDIAL/PIM EXCAVATION, 6 FT BGS
	REMEDIAL/PIM EXCAVATION, 6.5 FT BGS
	REMEDIAL/PIM EXCAVATION, 8 FT BGS
	REMEDIAL/PIM EXCAVATION, 9 FT BGS
	REMEDIAL/PIM EXCAVATION, 10 FT BGS
	REMEDIAL/PIM EXCAVATION, 12 FT BGS
	REMEDIAL/PIM EXCAVATION, 14 FT BGS
	REMEDIAL/PIM EXCAVATION, 15 FT BGS
	REMEDIAL/PIM EXCAVATION, 16 FT BGS
	REMEDIAL/PIM EXCAVATION, 17 FT BGS
	REMEDIAL/PIM EXCAVATION, 18 FT BGS
	REMEDIAL/PIM EXCAVATION, 19.5 FT BGS
	REMEDIAL/PIM EXCAVATION, 20 FT BGS
	REMEDIAL/PIM EXCAVATION, 21 FT BGS
	REMEDIAL/PIM EXCAVATION, 22 FT BGS
	REMEDIAL/PIM EXCAVATION, 23 FT BGS
	REMEDIAL/PIM EXCAVATION, 24 FT BGS
	REMEDIAL/PIM EXCAVATION, 25 FT BGS

LEGEND

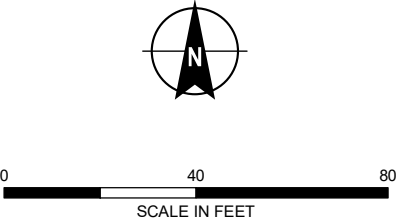
● ENDPOINT SAMPLE LOCATION

□ ENDPOINT GRID

□ PARCEL BOUNDARY

□ SITE BOUNDARY

- NOTES**
1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
 2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
 3. AERIAL IMAGERY SOURCE: NEARMAP, 28 MAY 2023



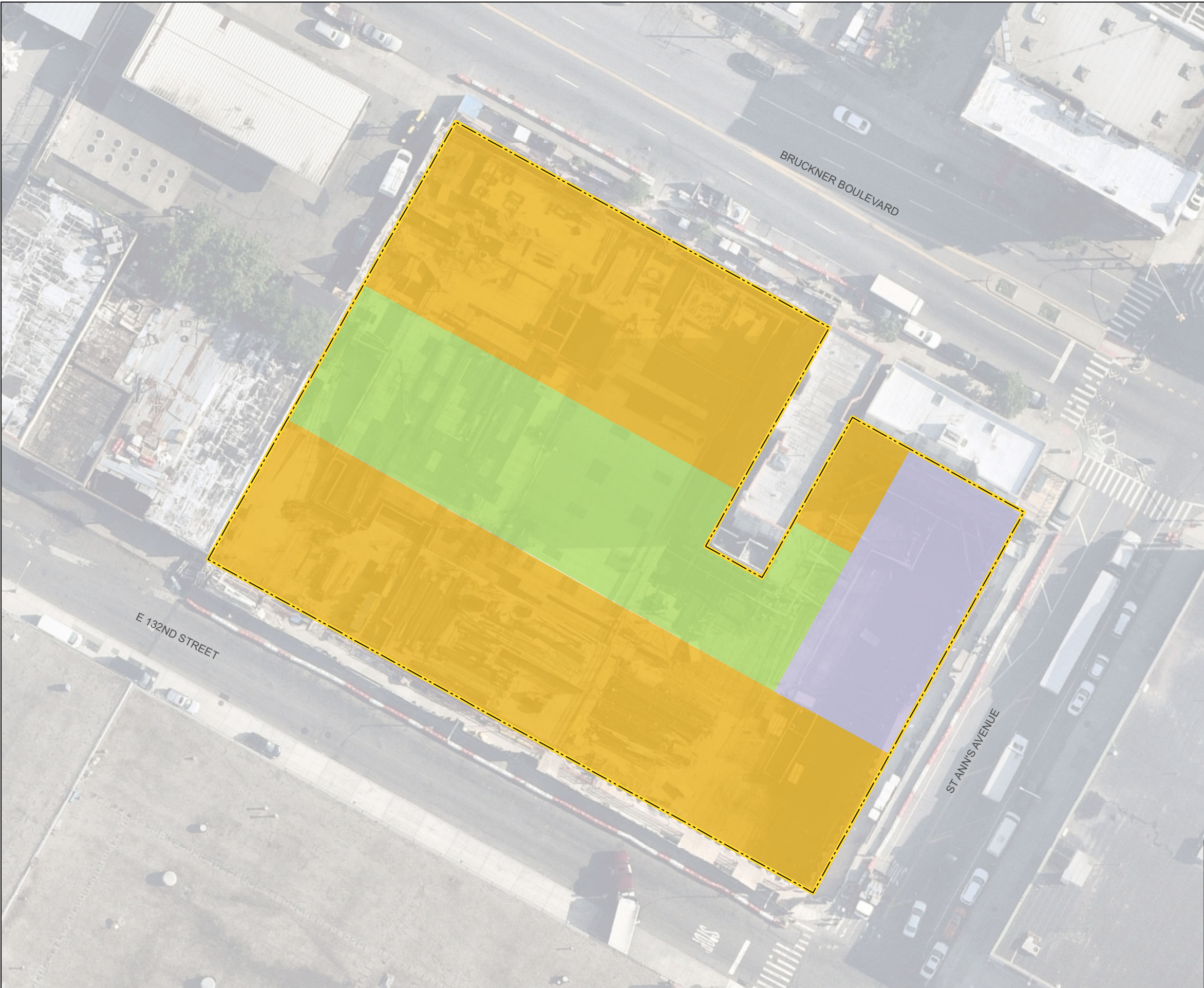
138 BRUCKNER BOULEVARD
BRONX, NEW YORK

REMEDIAL AND PETROLEUM-IMPACTED MATERIALS EXCAVATION MAP

NOVEMBER 2023

FIGURE 7

GIS FILE PATH: \\haleyaldrich.com\share\CF\GIS\group\haleynyc\GIS\Maps\2023_06_202164\202164_001_0008_DEVELOPMENT_EXCAVATION_PLAN.mxd — USER: khensen — LAST SAVED: 7/12/2023 8:20:18 AM



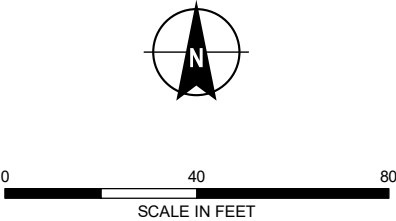
LEGEND

DEVELOPMENT EXCAVATION DEPTHS IN FEET BELOW GROUND SURFACE (BGS)

- EXCAVATION, 24 FT BGS
- EXCAVATION, 25 F BGS
- EXCAVATION, 29 FT BGS
- PARCEL BOUNDARY
- SITE BOUNDARY

NOTES

- 1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
- 2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
- 3. AERIAL IMAGERY SOURCE: NEARMAP, 28 MAY 2023



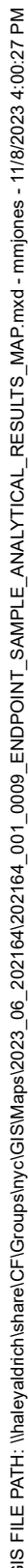
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BRONX, NEW YORK

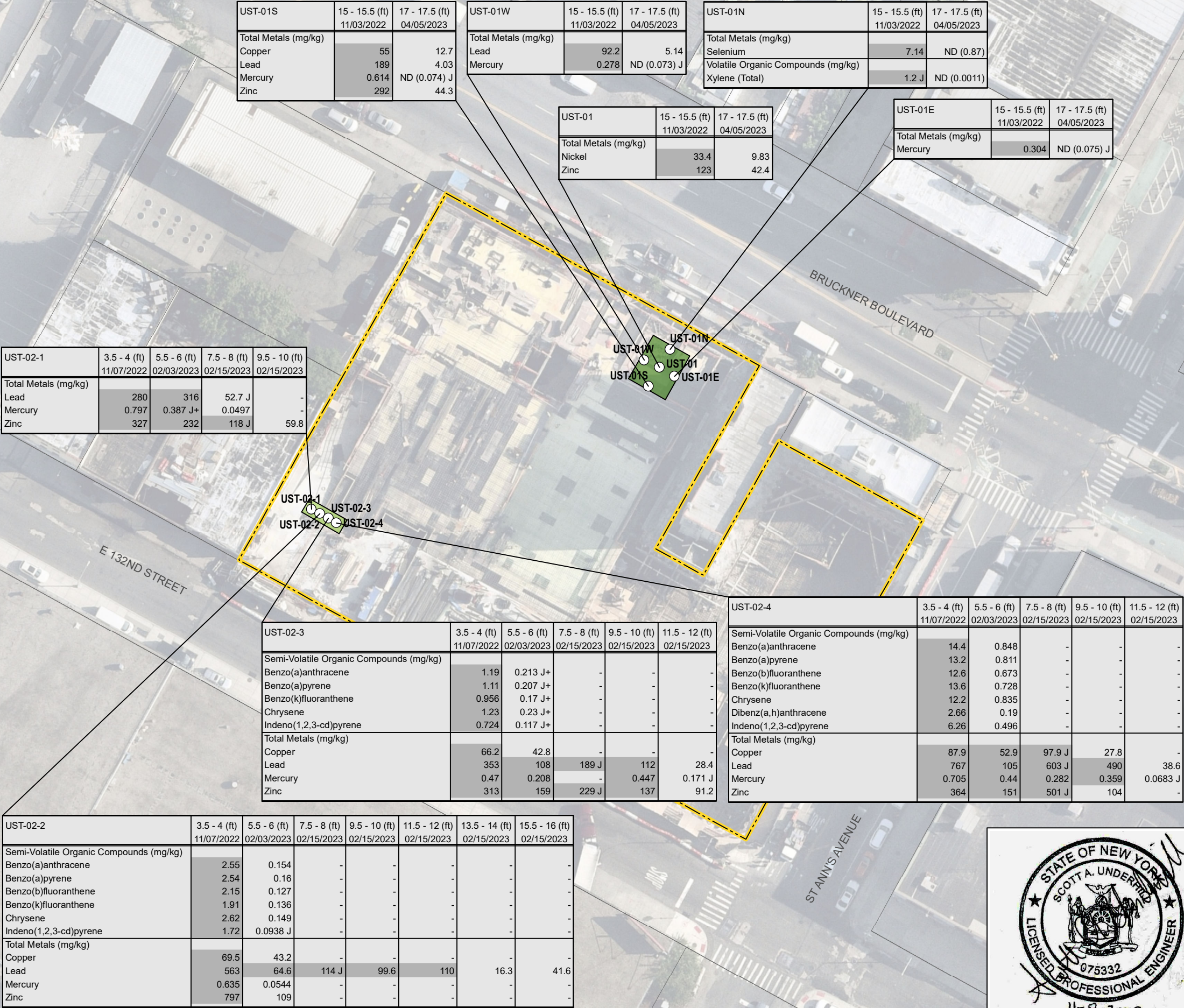
DEVELOPMENT EXCAVATION
DEPTH AS-BUILT

AUGUST 2023

FIGURE 8



GIS FILE PATH: \\haleyaldrich\share\CF\Groups\hysGIS\Maps\2023_06_202164\202164_001_0010_TANK_LOCATION_AND_DOCUMENTATION_SAMPLE_MAP.mxd — USER: mmjones — LAST SAVED: 11/8/2023 4:09:49 PM



LEGEND

○ CONFIRMATION SAMPLE

□ TANK LOCATION

REMEDIAL EXCAVATION DEPTHS IN FEET BELOW GROUND SURFACE (BGS)

REMEDIAL EXCAVATION, 13.5 FT BGS

REMEDIAL EXCAVATION, 17 FT BGS

□ PARCEL BOUNDARY

□ SITE BOUNDARY

	NY Part 375 Unrestricted Use Soil Cleanup Objectives
Semi-Volatile Organic Compounds (mg/kg)	
Benzo(a)anthracene	1
Benzo(a)pyrene	1
Benzo(b)fluoranthene	1
Benzo(k)fluoranthene	0.8
Chrysene	1
Dibenz(a,h)anthracene	0.33
Indeno(1,2,3-cd)pyrene	0.5
Total Metals (mg/kg)	
Copper	50
Lead	63
Mercury	0.18
Nickel	30
Selenium	3.9
Zinc	109
Volatile Organic Compounds (mg/kg)	
Xylene (Total)	0.26

- NOTES
1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
 2. ANALYTICAL SOIL DATA PRESENTED IS BASED ON CONFIRMATION SAMPLES COLLECTED FROM THE BASE OF THE EXCAVATION. DEPTHS NOTED ON THE SAMLE ID IN FEET BELOW GROUND SURFACE (FT BGS)
 3. CONCENTRATIONS ARE IN MILLIGRAMS PER KILOGRAM (mg/kg)
 4. EXCEEDANCES OF NYSDEC PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES (UUSCOS) ARE SHADED GRAY
 5. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
 6. AERIAL IMAGERY SOURCE: NEARMAP, 28 MAY 2023



0 50 100
SCALE IN FEET



HALEY
ALDRICH

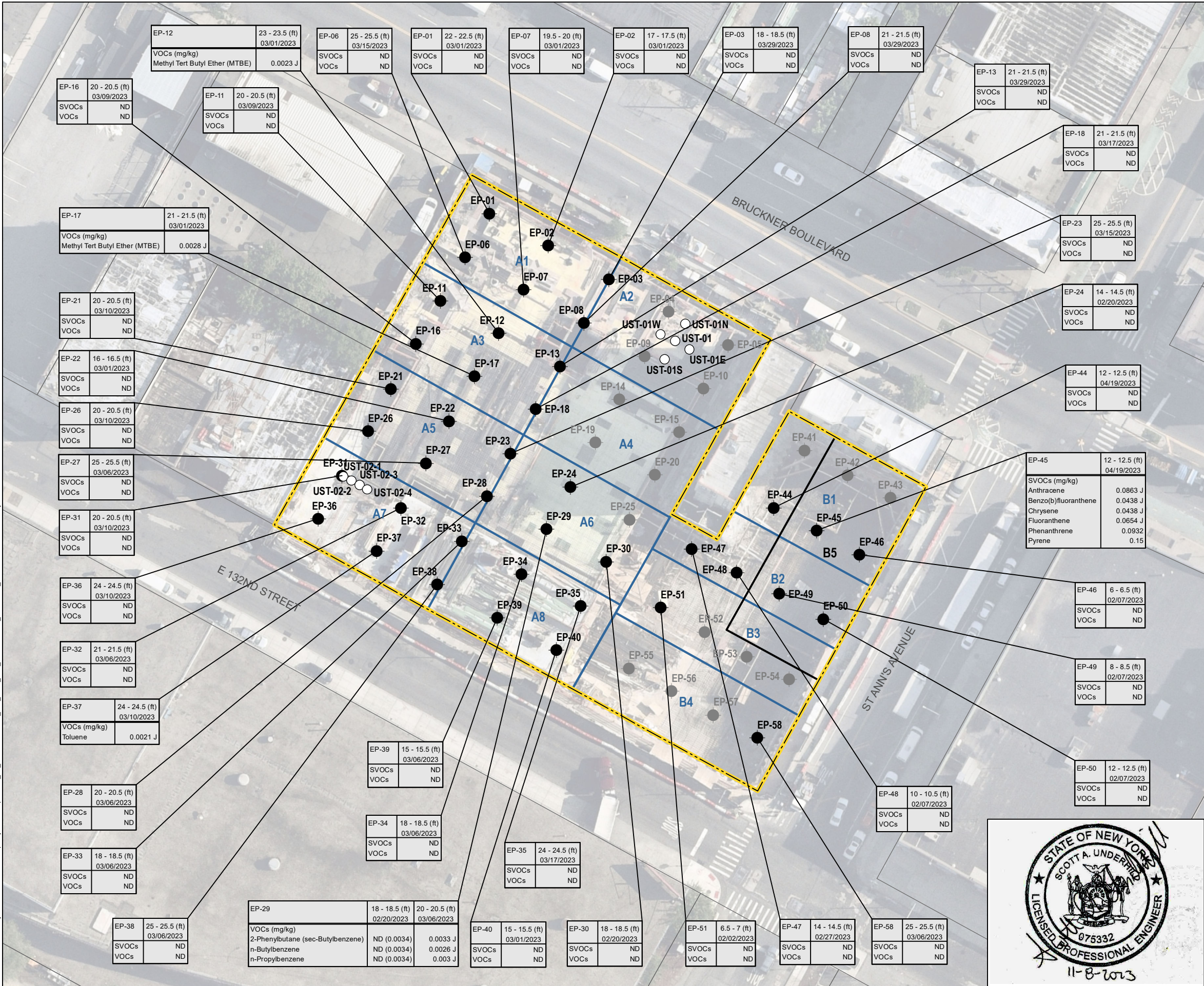
138 BRUCKNER BOULEVARD
BRONX, NEW YORK

TANK LOCATION AND
DOCUMENTATION SAMPLE MAP

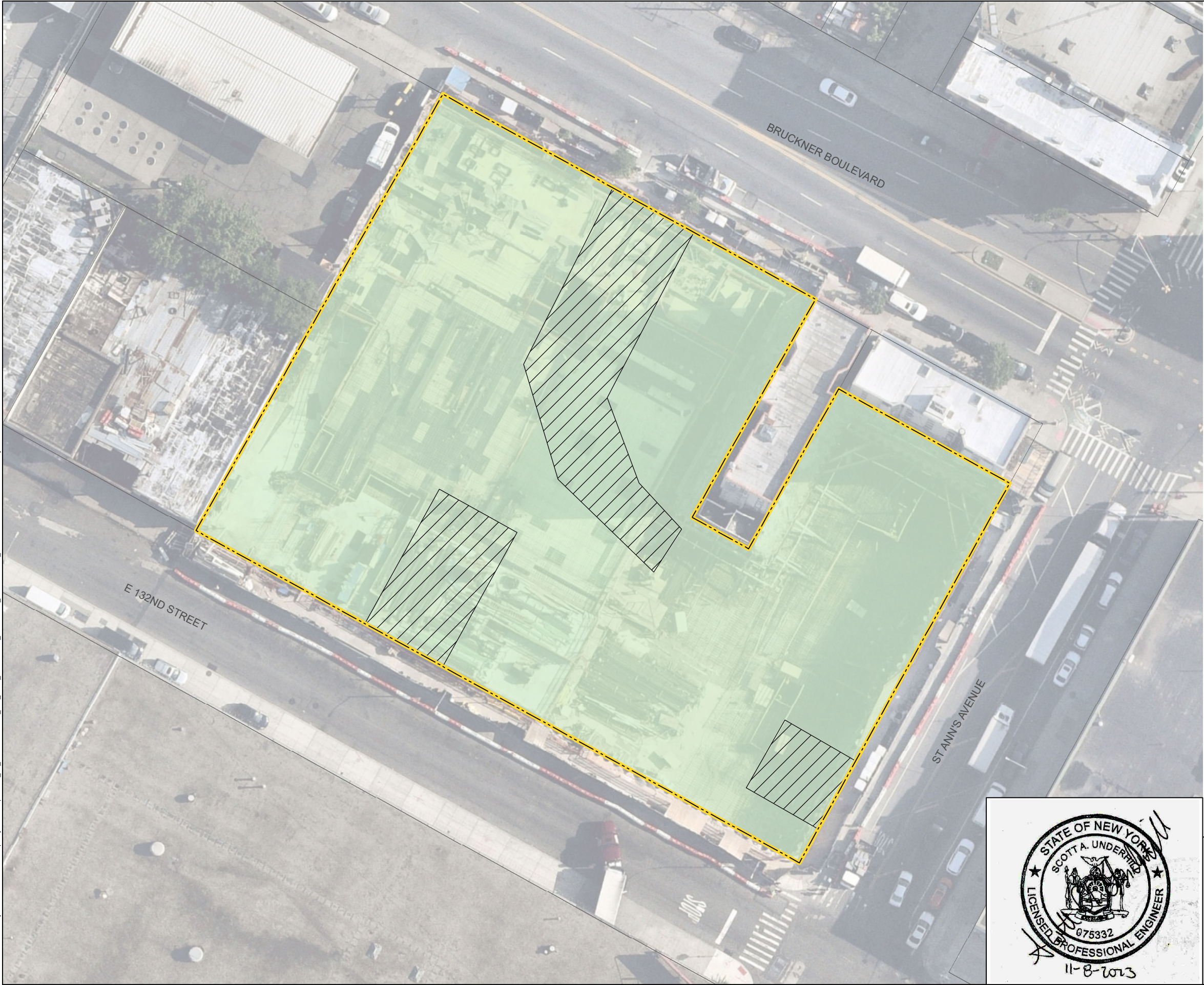
NOVEMBER 2023

FIGURE 10

G:\GIS FILE PATH\ HaleyAldrich\share\CF\Groups\NYC\GIS\Maps\2023_06_202164\202164_001_001_PIM_ANALYTICAL_RESULTS_MAP.mxd — USER: minjones — LAST SAVED: 11/8/2023 4:12:24 PM



GIS FILE PATH: \\haleyaldrichshare\CF\Groups\hysGIS\Maps\2023_06_202164\202164_001_0012_IMPORTED_MATERIAL_PLACEMENT_LOCATIONS.mxd — USER: mmjones — LAST SAVED: 11/8/2023 4:44:19 PM



LEGEND

- IMPORTED CLEAN STONE AREA FOR RAT SLAB
- IMPORTED CLEAN STONE AREA FOR RAMP
- SITE BOUNDARY
- PARCEL BOUNDARY

NOTES

- ALL LOCATIONS ARE APPROXIMATE.
- ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
- AERIAL IMAGERY SOURCE: NEARMAP, 28 MAY 2023



0 40 80
SCALE IN FEET



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BRONX, NEW YORK

IMPOTED MATERIAL
PLACEMENT LOCATIONS

NOVEMBER 2023

FIGURE 12