131-10 AVERY AVE

QUEENS, NEW YORK

Final Engineering Report

NYSDEC Site Number: C241228

Prepared for:

Avery Group, LLC

P.O. Box 527559

Flushing, NY 11352

Prepared by:

YU & Associates Engineers, P.C.

200 Riverfront Boulevard

Elmwood Park, NJ 07407

201-791-0075

DECEMBER 2020

CERTIFICATIONS

I, ANDREW LEUNG, 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.

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

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

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

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

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

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Andrew Leung, of YU & Associates Engineers, P.C., am certifying as Owner's Designated Site Representative for the site.

NY-063018-1	12/16/2020	
NYS Professional Engineer #	Date	Signature

TABLE OF CONTENTS

LIST OF ACRONYMS

Acronym	Definition
AOC	Areas of Concern
ASP	Analytical Services Protocol
AST	Aboveground Storage Tank
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
CAMP	Community Air Monitoring Program
C/D	Construction and Demolition
CPP	Citizen Participation Plan
CQAP	Construction Quality Assurance Plan
CSO	Combined Sewage Overflow
COC	Chlorinated Volatile Organic Compound
DCE	Dichloroethene
DER	Division of Environmental Remediation
DMM	Division of Materials Management
DUSR	Data Usability Summary Report
EC	Engineering Control
ECL	Environment Conservation Law
EDD	Electronic Data Deliverable
EDR	Environmental Data Resources
ELAP	Environmental Laboratory Approval Program
ESA	Environmental Site Assessment
ft bbfs	Feet Below Basement Floor Surface
ft bgs	Feet Below Ground Surface
FAR	Floor Area Ratio
FEMA	Federal Emergency Management Agency
FER	Final Engineering Report
FRTR	Federal Remediation Technologies Roundtable
FWRIA	Fish and Wildlife Resources Impact Analysis
GPR	Ground Penetration Radar
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
HVAC	Heating, Ventilation and Air Conditioning
IC	Institutional Control
NYCDEP	New York City Department of Environmental Protection

Acronym	Definition
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
OSHA	Occupational Safety and Health Administration
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinateed Biphenyl
PCE	Tetrachloroethene
PID	Photoionization Detector
POGW	Protection of Groundwater
ppm	parts per million
PRT	Post Run Tubing
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
RF/EM	Ratio Frequency/Electromagnetic
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
RL	Reporting Limit
RRSCO	Restricted-Residential Soil Clean-up Objective
SCG	Standards, Criteria and Guidance
SCO	Soil Clean-up Objective
SCS	Soil Conservation Service
SMP	Site Management Plan
SoMP	Soils/Materials Management Plan
SPDES	State Pollutant Discharge Elimination System
SSD	Sub-Slab Depressurization
SVOC	Semivolatile Organic Compound
TAL	Target Analyte List
TCE	Trichloroethene

Acronym	Definition
TCL	Target Compound List
TOGS	Technical Operational Guidance Series
TSCA	Toxic Substances Control Act
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
UUSCO	Unrestricted Use Soil Cleanup Objective
VOC	Volatile Organic Compound
WQS	Water Quality Standards
YU	YU & Associates Engineers, P.C.
ZVI	Zero Valent Iron

FINAL ENGINEERING REPORT

1.0 BACKGROUND AND SITE DESCRIPTION

Avery Ave Group LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in January 2019, to investigate and remediate a 0.298-acre property located in 131-10 to 131-18 Avery Avenue in Queens, New York. The property was remediated to residential, restricted residential, commercial, and industrial use.

The site is located in the County of Queens, New York and is identified as Block 5076, Lot 61 (formerly known as Lots 61 and 65) on the New York City Tax Map. The site is situated on an approximately 0.298-acre area bounded by Avery Avenue and commercial properties to the north, manufactural, commercial/residential properties and Fowler Avenue to the south, vacant and commercial properties to the east, and 131st Street and the Van Wyck Expressway to the west (see Figure 1 and 2). The boundaries of the site are fully described in Appendix A: Survey Map, Metes and Bounds.

The Remediation had been performed at the Site in accordance with the NYSDEC-approved RAWP and a conditional Track 1 cleanup was achieved. End-point soil sample results indicated that soil had been remediated and meet Track 1 Unrestricted Use SCOs, but residual chlorinated volatile organic compound (CVOC) impacts remained in groundwater and soil vapor. If the remedial goals for groundwater are achieved within 5 years of the issuance of the Certificate of Completion (CoC) as required in 6 NYCRR Part 375-3.8(e)(1)(iv), then a Track 1 cleanup will be achieved. If these goals are not achieved within five years, Track 2 Restricted Residential Use will apply and the CoC shall be modified. CVOCs in soil vapor are sufficiently addressed by the sub-grade parking ventilation system.

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

2.0 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 containing contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles emanating from contaminated groundwater.

RAOs for Environmental Protection

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

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 contaminated 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 impacts to public health resulting from existing, or the potential for, soil vapor intrusions into buildings at the Site

2.2 DESCRIPTION OF SELECTED REMEDY

The site was remediated in accordance with the remedy selected by the NYSDEC in the RAWP dated March 11, 2019.

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. Prior to the commencement of remedial measures, existing buildings were demolished and removed from the Site in accordance with New York City permit requirements;

2. On-site soil was excavated to the groundwater level with over-excavation in localized areas up to 7 feet below groundwater level. A total of 8543.93 tons of soil was excavated, transported, and disposed off-site at appropriately permitted facilities;

3. On-site PCB hazardous soil was disposed of in accordance with TSCA.

4. On-site soil impacted by PCBs above 0.1 parts per million (ppm) was excavated to the extent of practical, which is 1 to 7 feet below groundwater level and transported for off-site disposal at a properly approved facility.

5. End-point sampling was conducted following soil excavations to demonstrate that the remedy has achieved Track 1 the soil cleanup levels. Over-excavation was performed to the extent of practical where the end-point sample results indicate exceedances of Unrestricted Use SCOs criteria;

6. In-Situ chemical treatment of on-site groundwater was implemented to treat the on-site CVOCs groundwater contamination. A chemical reduction agent, zero-valent iron (ZVI) powder was directly applied on the contaminated saturated soil at the bottom of the excavation and mixed with the 2 feet of soils using conventional moving equipment (e.g. backhoe). Follow up quarterly groundwater monitoring will be performed to confirm the effectiveness of the application as part of the SMP;

7. On-site groundwater contamination was remediated through in-situ chemical reduction. Potential groundwater contamination off-site migration was prevented by installing the permeable reactive barriers (PRB). Upon the completion of soil excavation, the PRBs were installed as continuous trenches

with reduction chemical reagent along each perimeter of the property boundary to prevent potential groundwater contamination off-site migration.

8. Though not an element of the remedy, a continuous vapor barrier membrane was installed along the subsurface foundation walls and beneath the entire mat foundation slab. GCP Preprufe® 160R and Bituthene® 3000 & Liquid Membrane were installed on the exterior of the foundation walls, and GCP Preprufe® 300R was installed along the elevator pit and underneath the foundation slab. Approximately 12,975 square feet (sq ft) of GCP Preprufe® 300R, 4,486 sq ft of GCP Preprufe® 160R and 4,813 sq ft of GCP Bituthene® 3000 Membrane have been installed at the Site. Penetrations including pipes and groundwater monitoring wells have been sealed with 6-inch overlap. The vapor barrier membrane was installed to protect against VOC intrusion to the site building from residual on-site and potential off-site sources;

9. Though not an element of the remedy, the sub-grade ventilation system will be constructed in the cellar and operated in accordance with the New York City Mechanical Code Section 404.2 for parking garage. The ventilated cellar provides a level of protection from potential accumulation of vapors migrating from underlying soil in the cellar areas in the unlikely event of a breach of the building slab. The cellar fans will be installed, operated, and maintained in accordance with New York City Mechanical Code.

10. In accordance with NYSDEC's Part 375 Track 1 cleanup requirements, the remedy includes the use of a short-term groundwater chemical treatment using ZVI powder that is anticipated to achieve RAOs identified by the decision document within 5 years. Until groundwater performance monitoring results indicate RAOs have been achieved, the site will be managed by an Environmental Easement and Site Management Plan (SMP). The Environmental Easement has been executed and recorded to restrict groundwater use and is included as Appendix C. An SMP has been prepared for short-term management of residual CVOC-impacted groundwater and the groundwater monitoring/injection wells. The SMP includes plans for groundwater monitoring and reporting and is included as Appendix D.

3.0 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.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved Remedial Action Work Plan (RAWP) for the 131-10 Avery Ave site (March 2019). All deviations from the RAWP are noted below.

4.1 GOVERNING DOCUMENTS

4.1.1 Site Specific Health & Safety Plan (HASP)

A site-specific HASP was prepared by YU and addressed the requirements for all remedial and invasive work performed at the Site. HASP related activities included:

- Developed and implemented health and safety plan in conformance with §29 CFR 1910.120 and project requirements.
- Medical surveillance for site personnel.
- Provided information, education and training, including HAZWOPER training and certification for site personnel.
- Delineated on-site personnel responsibilities and contact information.
- VOCs and particulates were monitored with a Photo Ionization Detector (PID) and a dust monitor.
- Identified chemical and physical hazards known to be present at the Site. Primary chemical hazards present at the Site were PCBs and Chlorinated VOCs (CVOCs). Field measures such as PCBs test kit and PID were used to delineate specific chemical hazard area, and proper PPE was occupied accordingly.
- Decontamination of equipment, PPE and field personnel were conducted after each day's work and before end-point sampling.
- Established a decontamination zone, as well as support and exclusion zones. Decontamination of equipment, PPE and field personnel were conducted after each day's work and before end-point sampling.
- Ensured proper use of PPE for different project activities. A modified level D PPE was occupied for construction of underpinning along west perimeter and chemical mixing event. A level D PPE was occupied for other activities.
- Maintained a record of work-related illness, injuries, and accidents.

- Prepared for emergencies.

All remedial work performed under this Remedial Action was in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal OSHA.

Project personnel and visitors were given periodic on-site health and safety briefings by the site health and safety officer, or designee, to assist site personnel in safely conducting their work activities. The briefings included information on new operations to be conducted, changes in work practices or the Site's environmental conditions. Personnel's signatures were collected on the health and safety sign-in sheet after the debriefing. The HASP and copies of the sign-in sheets were included in Appendix E. The Health and Safety Plan (HASP) was complied with for all remedial and invasive work performed at the Site.

4.1.2 Quality Assurance Project Plan (QAPP)

The QAPP was included as Appendix I of the Remedial Action Work Plan (RAWP) approved by the NYSDEC. The QAPP describes the specific policies, objectives, organization, functional activities and quality assurance/ quality control activities designed to achieve the project data quality objectives. The QAPP also describes proposed sampling and analytical methods for end-point sampling in accordance with procedures outlined in the DER-10 (May 2010), as well as 40 CFR Part 761 Subpart O Sampling to Verify Completion of Self-Implementing Cleanup and On-site Disposal of Bulk PCB Remediation Waste and Porous Surfaces in Accordance with 761.61(a)(6)

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.

NYSDEC was the primary regulatory agency responsible for observing and monitoring the progress of remediation activities at the Site. YU had been retained by the Remedial Party to design, implement, and oversee the remedial action in accordance with the RAWP. A Construction Manager (CM) from W&L Group Construction Inc. provided professional construction management in connection with the project and implemented the CQAP. The CQAP included the following:

- Responsibilities and authorities of the organizations and key personnel involved in the design and construction of the remedy.
- The observations and tests that were used to monitor construction and the frequency of performance of such activities.
- The sampling activities, sample size, sample locations, frequency of testing, acceptance and rejection criteria, and plans for implementing corrective measures as addressed in the plans and specifications.
- Requirements for project coordination meetings between the Applicant and its representatives, the Construction Manager, Excavation Contractor, remedial or environmental subcontractors, and other involved parties.
- Description of the reporting requirements for quality assurance activities including such items as daily summary reports, schedule of data submissions, inspection data sheets, problem identification and corrective measures reports, evaluation reports, acceptance reports, and final documentation.
- Description of the final documentation retention provisions.

4.1.4 Soil/Materials Management Plan (S/MMP)

The S/MMP was incorporated in the approved RAWP. The S/MMP included detailed plans for managing soils/materials that were disturbed at the Site, including soil excavation, handling, storage, transport and disposal. It also included the controls that were applied to these efforts to assure effective, nuisance-free performance in compliance with all applicable Federal, State and local laws and regulations.

The S/MMP described the approach to managing, transporting and disposing soil, demarcation, backfill and excavation from the Site. The handling and transporting of material removed from the Site to a suitable off-site disposal facility were monitored by the Remedial Engineer. Also, the identification of the impacted materials during excavation, the implementation of support of excavation, the selection of samples for waste characterization and the control plan of odor and dust were determined by a remediation inspector under the direction of the Remedial Engineer. The details of S/MMP are described in the following paragraphs.

Visual, olfactory and PID soil screening and assessment were performed by a qualified environmental professional or experienced field geologist under the direction of the Remedial Engineer during remedial and development excavations into known or

potentially contaminated material. Soil screening was performed regardless of when the invasive work was done and included all excavation and invasive work performed during the remedy and during development phase.

Stockpile areas were separately constructed for soil staging on the Site to avoid mixing different materials. Stockpile areas fulfilled the requirements shown as below:

- One layer of 20 mil thick polyethylene sheeting with proper thickness and sufficient strength was required to prevent puncture when placing the excavated soil.
- Stockpiles were covered upon reaching maximum capacity until ready for loading. Stockpiles with enough space were also covered at the end of each work day.
- Stockpiles were inspected at a minimum once each week and after every storm event. Results of inspections were recorded in a logbook and maintained at the Site and available for inspection by NYSDEC.
- Stockpiles were kept covered at all times with appropriately anchored tarps. Stockpiles were routinely inspected and damaged tarp covers we promptly replaced.

The handling and transporting of material removed from the Site to a suitable offsite disposal facility was monitored by the Remedial Engineer. Also, the identification of the impacted materials during excavation, shoring of excavations, the selection of samples for waste characterization, and the implementation of the odor and dust control plan were overseen by a qualified environmental professional under the direction of the Remedial Engineer.

After the completion of soil removal and any other invasive remedial activities and prior to backfilling, a physical demarcation layer, consisting of Mirafi 140N geotextile fabric was placed on this surface to provide a visual reference. Approximately two feet of gravel was placed on top of the demarcation layer across the Site. All materials proposed for import into the Site was approved by the Remedial Engineer and was in compliance with provisions in the RAWP prior to receipt at the Site.

4.1.5 Community Air Monitoring Plan (CAMP)

A CAMP was incorporated in the HASP, which is included in Appendix E. Continuous dust monitoring was performed for ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and soil mixing.

Periodic monitoring for VOCs was required during both intrusive and nonintrusive activities such as excavation, soil load-out, stockpiling, and the collection of soil end-point samples. "Periodic" monitoring during sample collection consisted of taking a reading upon arrival at a sample location, monitoring while collecting the sample, and taking a reading prior to leaving a sample location. CAMP results are summarized in section 4.2.5 and CAMP data is included in Appendix F.

4.1.6 Contractors Site Operations Plans (SOPs)

The Remediation Engineer reviewed all plans and submittals for this remedial project (i.e. those listed above plus contractor and subcontractor submittals) and confirmed that they were in compliance with the RAWP. All remedial documents were submitted to NYSDEC and NYSDOH in a timely manner and prior to the start of work. The plans and submittals related to the remedial work included:

- Revised SOE plan provided by the structural engineer,
- Backfill gravel specification provided by Tilcon New York

4.1.7 Community Participation Plan

Community participation activities were guided by the Citizen Participation Plan throughout the Remedial Action. The approved Citizen Participation Plan for this project is attached in Appendix G of the March 2019 RAWP. Document repositories had been established and available for public review at the Queens Public Library and NYSDEC Region II office and contain all applicable project documents.

4.2 REMEDIAL PROGRAM ELEMENTS

4.2.1 Contractors and Consultants

The Agency supervising the remedial activities is NYSDEC. The Remedial Engineer for this project is Andrew Leung P.E. from YU & Associates Engineers, P.C and the Remediation Inspectors are Chengyu Hang, Pratik Manandhar, Huibin Luo, Olayinka Bolade from YU & Associates Engineers, P.C. The Site Safety Officer is John Cespedes from Allied Safety Group. The following contractors also implemented tasks as follow:

Contractor/Subcontractor Name	Associated Tasks
DREX Corp.	Drilling, excavation, installation of SOE, chemical mixing, and cover system installation
YU & Associates Engineers, P.C.	Remediation oversight, end-point sampling, and community air monitoring
PAL Environmental Services, Inc (PAL)	Monitoring/injection well installation

Contractor/Subcontractor Name	Associated Tasks
Earth Efficient, LLC	Soil disposal coordination
W & L Group Construction	General Contractor and Construction Management
Alpha Analytical, Inc	Analytical analysis of soil samples
Environmental Data Services, Inc	DUSR for end-point soil samples
Clean Harbors, Inc and ACV Environmental Services, Inc.	Groundwater removal
Wayne Disposal, Inc and Clean Harbors Lone Mountain LLC	Disposal Facility for PCB TSCA building material and soil
Waste Management Fairless Landfill	Disposal Facility for PCB impacted concrete and soil
Greenview, BTL, Rodota and Hoffman Griffett Qarry	Disposal Facility for historical fill
Clean Water of New York and Cycle Chem, Inc.	Disposal Facility for groundwater from elevator pit

4.2.2 Site Preparation

Mobilization

Following approval of the RAWP from NYSDEC and notice to proceed, YU and the remediation contractor mobilized necessary materials and equipment to the Site. Stockpile, decontamination areas, and egress points were designated as part of mobilization. A pre-construction meeting was held with NYSDEC and all contractors on Mach 16, 2020.

Stabilized Construction Entrance

During remediation, a truck wash area was located just before the site's stone-based egress path so that trucks could be decontaminated prior to departure from the Site. Truck and equipment egress points were maintained during the remediation so that they were clear of dirt and other materials.

Site Fencing

The entire site perimeter was secured and fenced using plywood prior to the start of the remedial and construction activities.

Equipment and Material Staging

Appropriate equipment and materials staging areas were designated during remediation by the Construction Manager so as to facilitate remediation and prevent cross-contamination.

Agency Approval and Permits

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

4.2.3 General Site Controls

Site security

Site security regarding excavation, handling, stockpiling and decontamination was fulfilled during both operational and non-operational hours. The level of site security was contingent upon the site location and performance. Perimeter fencing was installed primarily around the work area to restrict public site access, while other security measures such as temporary fencing, barrier tape, and warning signs were also employed as necessary.

- Perimeter Fencing: An approximately eight-foot high (8') plywood fence was installed around the perimeter of the construction site. Three Site access gates located on the south perimeter were provided. Site access gates were locked while the Site was closed to prevent unauthorized access. Fence construction and location met the requirements of the NYC Building Code and contractor's permit application including the approved Site Safety Plan.
- Temporary Fencing: Perimeter fencing was supplemented by temporary fencing, which was approximately 8' high and installed with posts driven into the ground. Fine mesh netting in orange was installed on the fence.
- Barrier Tape & Warning Signs: Barrier tape and warning signs were installed or posted as needed to delineate and restrict access to any potential unsafe zone such as excavation area, decontamination area, stockpiling area, etc.

Job site record keeping

Photos were taken of remedial activities. Field notes were kept by the on-site field personnel. Electronic copies of daily reports were prepared by YU and submitted to NYSDEC and NYSDOH Project Managers in a timely manner.

Equipment Decontamination / Residual Waste Management

Equipment decontamination was completed on-site in order to prevent dispersion of any contaminating materials. Excavator buckets were brushed to clean the loose soil and debris while excavating different contaminated media. All removed soil and debris were then placed into the dump truck containing the correspondent contaminated media and disposed in the same manner as that media.

Soil screening results

Visual, olfactory and PID soil screening and assessment were performed by a qualified environmental professional or experienced field geologist under the direction of the Remedial Engineer during remedial and development excavations into known or potentially contaminated material. Soil screening was performed regardless of when the invasive work was done and included all excavation and invasive work performed during the remedy and during development phase. PID monitoring was conducted on a regular basis within the work zone to monitor the potential worker exposure to vapor. While there were PID readings in the work zone that exceeded 5 ppm, which is the action level defined in the site-specific HASP, these were all of short duration (less than 15 minutes) or limited to a certain location. If the PID reading indicated a vapor concentration above the action level (5ppm) in the work zone, personnel who were working in this area were instructed to wear proper PPE.

Stockpile methods

Stockpile areas were separately constructed for soil staging on the Site to avoid mixing different materials. Stockpile areas fulfilled the minimum requirements shown as below:

- One layer of 20 mil thick polyethylene sheeting with proper thickness and sufficient strength was required to prevent puncture when placing the excavated soil.
- The soil was placed and removed by equipment using procedures to protect the liner.
- Stockpiles were covered upon reaching maximum capacity until ready for loading. Stockpiles with enough space were also covered at the end of each work day.
- Stockpiles were inspected at a minimum once each week and after every storm event. Results of inspections were recorded in a logbook and maintained at the Site and available for inspection by NYSDEC.
- Stockpiles were kept covered at all times with appropriately anchored polyethylene sheeting. Stockpiles were routinely inspected and damaged tarp covers were be promptly replaced.

- Hay bales were placed along the site perimeter to prevent soil sedimentation and runoff off-site.
- Water was available on-site at suitable supply and pressure and was used in dust control.

4.2.4 Nuisance controls

Truck Wash and Egress Housekeeping

During remediation, a truck wash area was established at the site's stone-based egress path (construction stabilized entrance) so that trucks could be decontaminated prior to departure from the Site. Truck and equipment egress points were maintained during the remediation so that they were clear of dirt and other materials. During the earlier stage of the remediation, the stabilized entrance was located in the middle of the southern perimeter. During the later stage, the stabilized entrance was relocated to the southwest corner of the site

Dust Control

Dust control measures on-Site included the following:

- Dust suppression was achieved through the use of a hose connected to the hydrant off-Site. The use of the hydrant was permitted by NYCDEP.
- Gravels were used as roadways to provide a clean and dust-free road surface for trucks and machines to be operated upon.
- On-Site machine and truck operation were limited in area to minimize the area required for water spraying.

Odor Control

Periodic monitoring was conducted by YU to observe the perceptible odor. If nuisance odors are identified, work was halted and the source of odors was identified and corrected. Work would not resume until all nuisance odors had been abated.

Necessary means were employed to prevent on- and off-Site odor issues. Odor control measures included: (a) limiting the area of open excavations; and (b) shrouding open excavations with tarps and other covers. No significant odor issue was identified for the Site during remediation.

4.2.5 CAMP results

YU personnel was on-site for oversight of the construction excavation along with remedial activities. Dust monitoring and PID screening were conducted during soil

excavation and removal. If nuisances were identified or elevated readings were observed, control measures were performed until nuisances had been abated to acceptable level. Dust monitoring data and PID readings were generally below the action levels during remedial activities. Monitoring was performed from March 26, 2019 to February 5, 2020 and the results are included in Appendix F. Exceedances of dust monitor were observed in the following days:

June 5 through 14, July 3, September 16 through 19, 2019 during pile installation;

April 4, May 16 through 31, September 20, October 1, 2 and 8, 2019 during demolition;

October 15, 2019 during gravel import;

July 9, 10, 16, and 17, August 15 through 27, October 24 and 25, 2019 and November 6, 7, 10 and 14, 2019 during soil excavation and load-out.

Dust control measures as spraying water and temporarily stop working were conducted when the exceedances were observed. During strong wind events, masks and extra caution were used during remedial activities.

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

4.2.6 Reporting

Daily Reports

Electronic copies of daily reports were submitted to NYSDEC and NYSDOH Project Managers by the end of each day following the reporting period and the reports included the following components:

- An update of progress made during the reporting day;
- Locations of work and quantities of material imported and exported from the Site;
- References to site map for Site activities;
- A summary of any and all complaints with relevant details (names, phone numbers);
- A summary of CAMP finding, including excursions;
- An explanation of notable Site conditions.

Daily reports included a description of daily activities keyed to a site map for the Site that identifies work areas. These reports included a summary of air sampling results,

odor and dust problems and corrective actions, and all complaints received from the public. The NYSDEC assigned project number appeared on all reports.

All daily reports are included in electronic format in Appendix H.

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

4.3 CONTAMINATED MATERIALS REMOVAL

The Site achieved the Track 1 cleanup for the remediation of soil following the UUSCOs as set forth in Table 375-6.8(b) of 6 NYCRR Part 375. A summary of the remedial actions performed at the Site is shown as below:

- Removal of 821 tons of PCBs hazardous soil and off-site disposal at permitted facilities;
- Removal of 5,547 tons of PCBs impacted and off-site disposal at permitted facilities;
- Removal of 2,615 tons of TCE/PCE contaminated soil and off-site disposal at permitted facilities;
- Removal of 174,803 gallons of groundwater from elevator pit and off-site disposal at a permitted facility
- In situ chemical reduction was implemented to treat the on-site groundwater by using ZVI powders. The ZVI powder was placed at the bottom of the excavation that extend to the 2 feet below water table and was intermixed with the saturated soils. The area of excavation bottom is approximate 13,000 sq ft and a total of 11,500 lbs of ZVI powder was used to treat the groundwater contamination.
- Groundwater monitoring has been conducted to confirm the results of groundwater treatment. Based on the groundwater monitoring results, the residue CVOCs levels in groundwater are generally low in most of the monitoring wells. If bulk reduction of groundwater contaminant cannot be achieved, chemical injection events will be conducted as necessary.

A list of the soil cleanup objectives (SCOs) for the contaminants of concern for this project is provided in Table 1. Table 2 shows the total quantities of each category of material removed from the Site and disposal facilities. Figure of area where PCB

hazardous and impacted soil excavation was performed is shown in Figure 5. Figure of area where over-excavation was performed is shown in Figure 6.

4.3.1 PCB Hazardous Soil Removal

PCB remediation waste is regulated by the United States Environmental Protection Agency (USEPA) under the Toxic Substances Control Acts (TSCA), specifically 40 Code of Federal Regulations (CFR) 761. PCB hazardous soil on-site was excavated, handled, and disposed of based on the Self-Implementing On-site Cleanup and Disposal of PCB Remediation Waste (SIP) prepared by Airtek Environmental Corporation dated September 8, 2016, waste characterization prepared by YU in November 2017, and PCB delineation sampling prior to and during construction. The area of PCBs hazardous soil was delineated in grids sitewide. Between May 17, 2018 and October 30, 2019, PCB hazardous soil (PCB concentration in soil over 50 ppm) from the Site was excavated, separately stockpiled, and loaded onto trucks by DREX. After soil removal, PCBs verification samples were collected at the bottom of excavation. Additional excavation was performed if the verification samples failed to achieve the TSCA criteria. The PCBs delineation maps showing the locations and intervals of PCB hazardous soil are included in the Figure 5. Contour maps of estimated cut and fill thicknesses for remedial activities at the site are included in Figure 7.

4.3.1.1 Disposal Details

Site characterization for PCBs hazardous soil was performed by Airtek under the Self-Implementing Cleanup and Disposal and was approved by EPA. Samples were collected to delineate PCBs contamination in soils in accordance with the USEPA TSCA regulations as set forth in 40 CFR 761.61. A map summarizing the PCBs site characterization results is shown in Appendix J.

As per disposal facility's request for further delineation of the PCB hazardous soil of the Site, additional PCB delineation sampling was conducted by YU between March 26, 2018 and October 10, 2019. Soil samples were collected either from soil borings or immediately after soil removal at the 0 to 3 feet, 3 to 5 feet, and 5 to 8 feet intervals. Soil samples collected from these intervals were analyzed to see if the PCBs concentrations exceed 50 mg/kg. If PCBs concentrations exceeded, then soil samples from the subsequent interval were analyzed until PCBs concentrations in soil were detected below 50 ppm to delineate the vertical extent of PCB contamination. A total of 70 PCB delineation samples were collected. The PCBs delineation maps showing the locations of the additional PCB delineation samples and the areas and intervals of PCB hazardous soil are included in the

Figure 4 and 5. The sampling results of the additional PCB delineation samples are summarized in Table 5. The raw analytical laboratory data of additional PCB delineation samples is included in Appendix K.

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

Between May 17, 2018 and October 30, 2019, approximately 821 tons of PCB hazardous soil was transported off-site by Earthefficient and disposed of under TSCA at Wayne Disposal, Inc in Belleville, MI and Clean Harbors at Waynoka, OK. Table 2 shows the total quantities of each category of material removed from the site and the disposal locations.

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

4.3.2 PCB Impacted Soil Removal

Between June 3, 2019 and March 11, 2020, PCB impacted soil (PCB concentration in soil below 50 ppm but over 2 ppm) from the site was excavated, separately stockpiled, and loaded onto trucks by DREX. The area of PCBs impacted soil was delineated in grids site-wide. After soil removal, PCBs verification samples were collected at the bottom of excavation. Additional excavation was performed if the verification samples results were above 2 ppm. The PCBs delineation maps showing the locations and intervals of PCB impacted soil are included as Figure 5. Contour maps of estimated cut and fill thicknesses for remedial activities at the site are included in Figure 7.

4.3.2.1 Disposal Details

Waste characterization was performed at the Site on October 23 and 24, 2017, a total of 6 borings were installed to the depth of 20 ft bgs. Soil samples were collected at each boring at the 0 to 5 feet, 5 to 10 feet, and 10 to 20 feet intervals and analyzed for Toxicity Characteristic Leaching Procedure (TCLP) Metals, TAL Metals, total cyanide, TCL VOCs, TCL SVOCs, PCB, pesticides, Hex Chromium, Total Petroleum Hydrocarbons (TPH) – DRO, ignitibility, corrosivity, and reactivity. Between April 26, 2019 and October 19, 2019, additional 3 composite samples were collected by YU and tested for TCLP RCRA list according to the disposal facility's request. Between May 29 2019 and November 19, 2019, additional 6 composite samples were collected by YU and tested for PCBs according to the disposal facility's request. A summary of the samples collected to characterize the waste, and associated analytical results are summarized on Figure 3 and Tables 3, 4, 6.

As per disposal facility's request for further delineation of the PCB impacted soil (PCB concentration over 2 ppm but less than 50 ppm) of the Site, additional PCB delineation sampling was conducted by YU between March 26, 2018 and October 10, 2019. Soil samples were collected either from soil borings or immediately after soil removal at the 0 to 3 feet, 3 to 5 feet, 5 to 10 feet, and 10 to 20 feet intervals. Soil samples collected from these intervals were analyzed to see if the PCBs concentrations exceed 2 mg/kg. If PCBs concentrations exceeded, then soil samples from the subsequent interval were analyzed until PCBs concentrations in soil were detected below 2 ppm to delineate the vertical extent of PCB contamination. A total of 70 PCB delineation samples were collected. The PCBs delineation maps showing the locations of the additional PCB delineation samples and the areas and intervals of PCB impacted soil are included in the Figure 4 and 5. The sampling results of the additional PCB delineation samples are summarized in Table 5. The raw analytical laboratory data of additional PCB delineation samples is included in Appendix K.

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

Between June 3, 2019 and March 11, 2020, approximately 5,547 tons of PCB impacted soil was transported off-site by Earthefficient and disposed of at Waste Management Fairless facility at Moorisville, PA. Table 2 shows the total quantities of each category of material removed from the site and the disposal locations.

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

4.3.3 TCE/PCE Contaminated Soil Removal

Between July 17 and October 16, 2019, TCE/PCE contaminated soil/fill from the Site was excavated, stockpiled or directly loaded onto trucks by DREX. The area of TCE/PCE contaminated soil/fill is sitewide. After soil removal the entire site was excavated to groundwater level, which is approximately 18 ft bgs. Over-excavation was performed if the end-point samples failed to achieve the Track 1 SCOs and excavation bottom was extended to 3 feet below groundwater level. Contour maps of estimated cut and fill thicknesses for remedial activities at the site are included in Figure 7.

4.3.3.1 Contained-In Determination Request

On July 3, 2019, YU submitted Contained-In Determination Requests to Henry Wilkie, Assistant Engineer, Division of Material Management, concerning the TCE/PCE contaminated soil onsite. The reports summarized the results of soil sampling conducted at the Site for NYSDEC's review. In the NYSDEC approval letter, soil on former Lot 65

below from 10 ft to 20 ft bgs did not have to be managed as hazardous waste when transported to a permitted solid waste landfill with a liner and leachate collection system. The contain-in request determinations are included in Appendix M.

4.3.3.2 Disposal Details

Waste characterization was performed at the Site on October 23 and 24, 2017, a total of 6 borings were installed to the depth of 20 ft bgs. Soil samples were collected at each boring at the 0 to 5 feet, 5 to 10 feet, and 10 to 20 feet intervals and analyzed for Toxicity Characteristic Leaching Procedure (TCLP) Metals, TAL Metals, total cyanide, TCL VOCs, TCL SVOCs, PCB, pesticides, Hex Chromium, Total Petroleum Hydrocarbons (TPH) – DRO, ignitibility, corrosivity, and reactivity. A summary of the samples collected to characterize the waste, and associated analytical results are summarized on Figure 3 and Tables 3, 4.

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

Between July 17 and October 16, 2019, approximately 2176 tons of TCE/PCE contaminated soil was transported off-site by Earthefficient and disposed of at Waste Management Fairless facility at Moorisville, PA. Table 2 shows the total quantities of each category of material removed from the site and the disposal locations.

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

4.3.4 Dewatering

Groundwater was encountered while excavating the heel block pit for SOE installation and the elevator pit. During remedial activities, groundwater was pumped from the excavation pit directly into a 10,000-gallon storage tank and a 20,000-gallon storage tank by DREX. The groundwater in the storage tank was then pumped by Clean Harbors using 5,000-gallon pump truck and transferred for off-site disposal.

4.3.4.1 Contained-In Determination Request

Every time prior to groundwater disposal, YU submitted a Contained-In Determination Request to Henry Wilkie, Assistant Engineer, Division of Material Management, for the groundwater onsite. The report summarized the results of groundwater sampling conducted from the storage tank for NYSDEC's review. In the NYSDEC determination letters, the purged groundwater does not need to be managed as hazardous waste when transported to a permitted disposal facility. The contain-in request determinations are included in Appendix M.

4.3.4.2 Disposal Details

Between February 11, 2020 and March 5, 2020, approximately 43,218 gallons of groundwater was removed and disposed of off-site at Cycle Chem in Elizabeth, NJ. Table 2 shows the total quantities of each category of material removed from the site, the transporter's name and license number, and the disposal locations. Manifests and bills of lading are included in electronic format in Appendix L.

4.3.5 Groundwater Chemical Treatment

After soil removal to the groundwater level, in situ chemical reduction by using zero valent iron (ZVI) powders was implemented to treat groundwater in between August 2 and January 30, 2019. The reduction chemical treatment reagent ZVI powders were placed at the bottom of the excavation that extend to the 2 feet below water table and intermixed with the saturated soils by backhoes to promote reduction of the residual impacts of CVOCs (TCE and PCE) in the groundwater. The area of saturated soil that had been treated is approximately 13,000 sq ft, and a total of 114,400 lbs of ZVI powder were intermixed with the saturated soil.

Chlorinated VOCs (CVOCs) and PCBs levels in groundwater were monitored quarterly after remedial action. A network of nine groundwater monitoring wells are installed to monitor up-gradient, on-site, side-gradient, and downgradient groundwater conditions at the Site. The location of the nine monitoring wells is shown in Appendix N. Based on the groundwater sample results dated June 23, 2019 the residue CVOCs levels in groundwater are relatively low in most of monitoring wells. Table and Figure summarize the results of all groundwater samples at the site after completion of Remedial Action that exceed the TOGS Class GA criteria are included in Appendix N. If bulk reduction of the groundwater contaminant cannot be achieved, additional chemical injection events will be conduct as necessary.

4.4 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

Following the removal of impacted soils from the subject property, an end-point sampling program was implemented. The end-point samples are to demonstrate that the remedy has achieved the Track 1 UUSCOs. The following subsections detail the end-point sampling program for soil.

4.4.1 End-Point Sampling Frequency

End-point soil sample included one sample collected from the bottom of each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom

for every 900 square feet of bottom area. A total of 38 end-point soil samples (AEP-1 to AEP- 38) were collected from the bottom of excavation, of which the elevation is approximately el. -2.0. The end-point soil sample locations are shown in Figure 8 – End-point Sample Location Map.

In addition to the end-point soil samples required by NYSDEC DER-10, a verification sampling was performed in accordance with 40 CFR Part 761 Subpart O Sampling to Verify Completion of Self-Implementing Cleanup and On-site Disposal of Bulk PCB Remediation Waste and Porous Surfaces in Accordance with 761.61(a)(6). Site-wide sampling was conducted using a 20 ft by 16 ft foot grid spacing between each sample. For those end-point samples and PCBs verification samples located next to each other, they would be consolidated as one sample. A total of 53 PCBs verification samples were collected from the bottom of excavation. The PCBs verification soil sample locations are shown in Figure 9 – PCBs Verification Sample Location Map.

For hotspot excavation areas, one end-point sample was collected at each hotspot excavation area after three-foot over-excavation. The over-excavation end-point sampling map is presented in Figure 10.

Over-excavation was performed in the vicinity of several end-point sample and PCBs verification sample locations to achieve Track 1 SCOs. Over-excavation samples were collected 1-7 foot below the correspondent sample points. The over-excavation areas are shown in Figure 6 and the over-excavation sampling map is included as Figure 10.

4.4.2 Methodology

Per NYSDEC DER-10, end-point samples were collected using the grab sampling method. For collection of volatile organic compound samples, samples were collected from zero to six-inch interval at the excavation floor within 24 hours of excavation, or from six to twelve inches after 24 hours. No water was present in the excavation bottom where bottom samples are collected. Samples were collected with laboratory-supplied, pre-cleaned sample containers, placed in storage/transportation coolers, preserved with ice, kept at the temperature of approximately 4°C, and shipped under proper chain of custody procedures to Alpha Analytical Laboratory for analysis. End-point soil samples were analyzed using the following analytical methods;

- TCL VOCs by USEPA Method 8260;
- TCL SVOCs by USEPA Method 8270;
- Pesticides by USEPA Method 8081;

- PCBs by USEPA Method 8082;
- TAL metals by USEPA Method 6010/7473.

Based on the Self-Implementing On-site Cleanup and Disposal of PCB Remediation Waste (SIP) prepared by Airtek Environmental Corporation dated September 8, 2016, PCBs verification samples were collected at the excavation bottom using a core sampler with a diameter between 2 cm and 3 cm to a maximum depth of three inches. At least 20 milliliters of waste, or a portion of sufficient weight for the chemical analyst to measure the concentration of PCBs and still have sufficient analytical detection sensitivity to reproducibly measure PCBs at the levels designated in Part 761.61(a)(4), was collected at each selected sampling location. Samples were composited for analysis in accordance with 40 CFR Part 761.289. The verification samples were collected with laboratory-supplied, pre-cleaned sample containers, placed in storage/transportation coolers, preserved with ice, kept at the temperature of 4°C, and shipped under proper chain of custody procedures to Alpha Analytical Laboratory for analysis. Samples were analyzed for PCBs by Alpha Analytical Laboratory.

For the hotspot areas, samples were collected using grab sampling methods and were analyzed for TCE and PCE by Alpha Analytical. For over-excavation areas, samples were grab collected and analyzed for PCBs by Alpha Analytical.

4.4.3 Results

Based on the end-point and the verification samples analytical results, no VOCs, SVOCs, Pesticides, and Metals were exceeding the Unrestricted Use SCOs. No PCBs were exceeding the Residential Use SCOs (1 ppm). For over-excavation end-point samples, PCBs were detected in 1 out of 34 samples with concentration slightly exceeding the UUSCOs (0.1 ppm) at 0.194 ppm. The analytical data were submitted to NYSDEC in complete Analytical Services Protocol (ASP) Category B deliverables, and also in the standardized Electronic Data Deliverable (EDD) EQuIS format. Tables and figures summarizing all end-point sampling locations, depths and results is included in Table 7 to 11 and Figure 8, 10, respectively. The raw analytical laboratory data is included in Appendix K.

4.4.4 QA/QC

Samples were analyzed by Alpha Analytical Laboratory pursuant to the NYSDOH ELAP for the category of parameters. Each set of samples were analyzed concurrently with method blanks, matrix spikes (MS), matrix spike duplicates (MSD), and laboratory duplicates. The MS/MSD samples were designated by the field personnel. The details of

QA/QC procedures are provided in the Quality Assurance Project Plan, included as Appendix I of the March 2019 RAWP. Acetone was detected in all end-point soil samples with maximum detected concentration of 0.2 ppm marginally exceeding the UUSCO of 0.05 ppm. Acetone is a common laboratory contaminant; therefore, the detections of methylene chloride in soil samples can be attributed to cross-contamination from the lab.

4.4.5 DUSR

The accuracy and the precision of the analytical results were evaluated by a qualified, independent, data validation specialist. A Data Usability Summary Report (DUSRs) was prepared for all data generated in this remedial performance evaluation program in the compliance of the NYSDEC ASP. The DUSR includes the determination of whether the data meets the project-specific criteria for quality and data use. These DUSRs are included in Appendix O, and associated raw is provided electronically in Appendix K. The DUSR validation was completed and submitted in accordance with NYSDEC's DER-10. Overall the data is acceptable for the intended purposes as qualified for the deficiencies detailed in the DUSR reports, the following data has minor rejections:

Benzoic acid in serval samples was rejected due to severely low MS/MSD recovery. Benzoic acid was not detected in all these samples, therefore it does not affect the overall data usability.

4.5 IMPORTED BACKFILL

4.5.1 ASTM #57 Stone

The ASTM #57 stone was imported from Tilcon New York Inc in West Nyack, NY for construction of the cover system. Prior to bringing the material, specification of the stone was provided to the NYSDEC project manager for review and approval. The specification is attached in Appendix P. A figure showing the site locations where backfill was used at the site is shown in Figure 12.

4.6 CONTAMINATION REMAINING AT THE SITE

Based on the soil end-point sample results, the Track 1 Unrestricted Use Soil Cleanup Objectives were achieved. Remaining contamination at the Site includes the groundwater located beneath the cover system, of which the elevation is approximately el. -2.0. The contaminant compounds identified in the groundwater are CVOCs, a post-remediation groundwater monitoring event have been conducted to evaluate the remaining contamination level.

Table and Figure summarize the results of all groundwater samples at the site after completion of Remedial Action that exceed the TOGS Class GA criteria are included in Appendix N.

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

4.7 VAPOR MITIGATION

Residual COCs remain in soil vapor and groundwater; therefore, a vapor mitigation consisting of a vapor barrier membrane and sub-grade ventilation system incorporated into the building. These systems are contingency measures until groundwater performance monitoring demonstrates the Track 1 remedy is achieved.

4.7.1 Vapor Barrier Membrane

Though not an element of the remedy, a continuous vapor barrier membrane was installed along the subsurface foundation walls and beneath the entire mat foundation slab by DREX in between October 29 and August 26, 2019. GCP Applied Technologies (GCP) Preprufe® 160R and Bituthene® Liquid Membrane were installed on the exterior of the foundation walls from bottom of excavation to the street level, and GCP Preprufe® 300R was installed along the elevator pit and underneath the foundation slab. Approximately 12,975 square feet (sq ft) of GCP Preprufe® 300R, 4,486 sq ft of GCP Preprufe® 160R and 4,813 sq ft of GCP Bituthene® 3000 have been installed at the Site. Penetrations including pipes and groundwater monitoring wells have been sealed with 6-inch overlap. The vapor barrier membrane was installed to protect against VOC intrusion to the site building from residual on-site and potential off-site sources.

4.7.2 Sub-grade Ventilation System

Though not an element of the remedy, the sub-grade ventilation system will be constructed in the cellar and operated in accordance with the New York City Mechanical Code Section 404.2 for parking garage. The ventilated cellar provides a level of protection from potential accumulation of vapors migrating from underlying soil in the garage areas in the unlikely event of a breach of the building slab. The fans will be installed, operated, and maintained in accordance with New York City Mechanical Code. The details of the

sub-grade ventilation system are shown on the DOB-approved mechanical drawings (Appendix Q).

4.8 SOIL VAPOR INTRUSION EVALUATION

The source of soil vapor had been removed through on-site soil removal to the groundwater level. Groundwater was treated by mixing with chemical reduction reagent ZVI powder. The vapor barrier membrane was installed to protect against VOC intrusion to the site building from residual on-site and potential off-site sources, and the sub-grade ventilation system will be constructed in the cellar to provide a level of protection from potential accumulation of vapors migrating from underlying soil in the garage areas in the unlikely event of a breach of the building slab. Therefore, soil vapor RAOs have been achieved and soil vapor intrusion evaluation is not required.

4.9 OTHER ENGINEERING CONTROLS

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

4.9.1 Groundwater Chemical Treatment

Chlorinated VOCs (CVOCs) and PCBs levels in groundwater will be monitored quarterly after mixing the ZVI powder into the groundwater. A network of five groundwater monitoring wells is used to monitor up-gradient, on-site, side-gradient, and down-gradient groundwater conditions at the Site. The location of the five monitoring wells is shown in Appendix N. A monitoring plan for groundwater has been provided in the Operation and Maintenance Plan in Section 4 of the Site Management Plan (SMP). The Monitoring Plan also addresses inspection procedures that must occur after any severe weather condition has taken place that may affect on-site ECs.

Based on groundwater monitoring results dated June 23, 2020, the residue CVOCs levels in groundwater are relatively low in most of monitoring wells. If groundwater monitoring does not reveal bulk reduction of groundwater contaminant, in-situ chemical injection will be conducted to achieve groundwater RAOs

4.9.2 Permeable Reactive Barrier

On-site groundwater contamination was remediated through in-situ chemical reduction, potential groundwater contamination off-site migration was prevented by installing the permeable reactive barriers (PRB). Upon the completion of soil excavation,

the PRBs were installed as continuous trenches with ZVI powder mixed with on-site soil along each perimeter of the property boundary to prevent groundwater contamination from migrating off-site.

The permeable reactive barriers were 3-foot in width and up to 5 foot in depth, and were setback 8 feet from the shoring according to the SOE engineer's requirements. The trench will be excavated to the practical extent based on the SOE design, which is up to 5 feet below groundwater level. Locations of the trenches are shown in Figure 11. The estimated quantity of saturated soil within the reactive barrier is about 220 cubic yards. The mixing weight ratio of iron to soil is 0.004. Approximately 2,640 lbs of ZVI powders were intermixed with the saturated soils within the trenches. The ZVI powders were directly sprayed on the bottom of the trenches and mixed with up to 5 feet of soils using backhoes.

4.10 INSTITUTIONAL CONTROLS

Pending NYSDEC's determination that the Track 1 remedy has been achieved, an environmental easement has been placed on the property to (1) implement, maintain and monitor the Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the site to restricted-residential, commercial, and industrial uses only.

The environmental easement for the site was granted by NYSDEC on November 3, 2020 and was recorded with the Queens County Clerk on November 18, 2020. The County Recording Identifier number for this filing is 2020000327795. A copy of the easement and proof of filing is provided in Appendix C. Per the NYSDEC Decision Document (March 2019), in the event that the groundwater remedial action objectives are not achieved, contingent remedial elements will be required. If bulk reduction of groundwater contamination is not achieved within 5 years, the Institutional Controls will become a permanent element of the remedy.

4.11 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN

Vapor Barrier on Northern and Western Foundation Wall

GCP Bituthene® 3000 Membrane was installed on the northern and western foundation wall instead of GCP Preprufe® 160R due to construction sequence change. The change was discussed with and approved by NYSDEC project manager. The specification of GCP Bituthene® 3000 Membrane is included in Appendix R.

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

TABLES

Table 1
Soil Cleanup Objectives
131-10 Avery Avenue
Queens, NY 11355
Project No. 17116

Contaminant	CAS Number	Unrestricted Use	Residential Use
Metals			
Arsenic	7440-38-2	13	16
Barium	7440-39-3	350	350
Beryllium	7440-41-7	7.2	14
Cadmium	7440-43-9	2.5	2.5
Chromium, hexavalent	18540-29-9	1	22
Chromium, trivalent	16065-83-1	30	36
Cobalt	7440-48-4	30	30
Copper	7440-50-8	50	270
Total Cyanide		27	27
Iron	7439-89-6	2000	2000
Lead	7439-92-1	63	400
Manganese	7439-96-5	1600	2000
Total Mercury		0.18	0.81
Nickel	7440-02-0	30	140
Selenium	7782-49-2	3.9	36
Silver	7440-22-4	2	36
Vanadium	7440-62-2	100	100
Zinc	7440-66-6	109	2200
PCBs/Pesticides			
2,4,5-TP Acid (Silvex)	93-72-1	3.8	58
4,4'-DDE	72-55-9	0.0033	1.8
4,4'-DDT	50-29-3	0.0033	1.7
4,4'-DDD	72-54-8	0.0033	2.6
Aldrin	309-00-2	0.005	0.019
alpha-BHC	319-84-6	0.02	0.097
beta-BHC	319-85-7	0.036	0.072
Chlordane (alpha)	5103-71-9	0.094	0.91
delta-BHC	319-86-8	0.04	100
Dibenzofuran	132-64-9	7	14
Dieldrin	60-57-1	0.005	0.039
Endosulfan I	959-98-8	2.4	4.8
Endosulfan II	33213-65-9	2.4	4.8
Endosulfan sulfate	1031-07-8	2.4	4.8
Endrin	72-20-8	0.014	2.2
Heptachlor	76-44-8	0.042	0.42
Lindane	58-89-9	0.1	0.28
Polychlorinated biphenyls	1336-36-3	0.1	1
Semivolatile Organic Compounds (SVOCs)			
Acenaphthene	83-32-9	20	100
Acenapthylene	208-96-8	100	100
Anthracene	120-12-7	100	100
Benz(a)anthracene	56-55-3	1	1

Table 1
Soil Cleanup Objectives
131-10 Avery Avenue
Queens, NY 11355
Project No. 17116

Contaminant	CAS Number	Unrestricted Use	Residential Use
Benzo(a)pyrene	50-32-8	1	1
Benzo(b)fluoranthene	205-99-2	1	1
Benzo(g,h,i)perylene	191-24-2	100	100
Benzo(k)fluoranthene	207-08-9	0.8	1
Chrysene	218-01-9	1	1
Dibenz(a,h)anthracene	53-70-3	0.33	0.33
Fluoranthene	206-44-0	100	100
Fluorene	86-73-7	30	100
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5
m-Cresol	108-39-4	0.33	100
Naphthalene	91-20-3	12	100
o-Cresol	95-48-7	0.33	100
p-Cresol	106-44-5	0.33	34
Pentachlorophenol	87-86-5	0.8	2.4
Phenanthrene	85-01-8	100	100
Phenol	108-95-2	0.33	100
Pyrene	129-00-0	100	100
Volatile Organic Compounds (VOCs)			
1,1,1-Trichloroethane	71-55-6	0.68	100
1,1-Dichloroethane	75-34-3	0.27	19
1,1-Dichloroethene	75-35-4	0.33	100
1,2-Dichlorobenzene	95-50-1	1.1	100
1,2-Dichloroethane	107-06-2	0.02	2.3
cis-1,2-Dichloroethene	156-59-2	0.25	59
trans-1,2-Dichloroethene	156-60-5	0.19	100
1,3-Dichlorobenzene	541-73-1	2.4	17
1,4-Dichlorobenzene	106-46-7	1.8	9.8
1,4-Dioxane	123-91-1	0.1	9.8
Acetone	67-64-1	0.05	100
Benzene	71-43-2	0.06	2.9
n-Butylbenzene	104-51-8	12	100
Carbon tetrachloride	56-23-5	0.76	1.4
Chlorobenzene	108-90-7	1.1	100
Chloroform	67-66-3	0.37	10
Ethylbenzene	100-41-4	1	30
Hexachlorobenzene	118-74-1	0.33	0.33
Methyl ethyl ketone	78-93-3	0.12	100
Methyl tert-butyl ether	1634-04-4	0.93	62
Methylene chloride	75-09-2	0.05	51
n-Propylbenzene	103-65-1	3.9	100
sec-Butylbenzene	135-98-8	11	100
tert-Butylbenzene	98-06-6	5.9	100
Tetrachloroethene	127-18-4	1.3	5.5

Table 1
Soil Cleanup Objectives
131-10 Avery Avenue
Queens, NY 11355
Project No. 17116

Contaminant	CAS Number	Unrestricted Use	Residential Use
Toluene	108-88-3	0.7	100
Trichloroethene	79-01-6	0.47	10
1,2,4-Trimethylbenzene	95-63-6	3.6	47
1,3,5-Trimethylbenzene	108-67-8	8.4	47
Vinyl chloride	75-01-4	0.02	0.21
Xylene (mixed)	1330-20-7	0.26	100

Notes:
1. The Soil Cleanup Objectives (SCOs) are obtained from 6 NYCRR Part 375 Table 6.8(a) and 6.8(b), and CP-51 Table 1.
2. All soil cleanup objectives are in parts per million (ppm).
3. Soil exceedances of Unrestricted Use SCOs were detected for VOCs (trichloroethene, acetone, and 2-butanone), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and metals (iron, lead, copper, barium, vanadium, mercury, zinc, and nickel).
4. Soil exceedances of Residential Use SCOs were detected for Chlorinated VOCs (trichloroethene), PAHs, PCBs, and metals (iron, lead, copper, barium, and vanadium).

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-10 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
5/17/2018	018810261JJK	EPIC	75125	2687079	TSCA PCB Soil	20.65 Ton	Wayne Disposal, Inc. Belleville, MI
5/17/2018	018810223JJK	Horwith Trucking	421	AG59157	TSCA PCB Soil	22.38 Ton	Wayne Disposal, Inc. Belleville, MI
5/17/2018	018810224JJK	Horwith Trucking	422	AG00478	TSCA PCB Soil	17.33 Ton	Wayne Disposal, Inc. Belleville, MI
5/17/2018	018810260JJK	EPIC	142	2687076	TSCA PCB Soil	21.62 Ton	Wayne Disposal, Inc. Belleville, MI
5/18/2018	018810262JJK	Horwith Trucking	142	2687076	TSCA PCB Soil	25.33 Ton	Wayne Disposal, Inc. Belleville, MI
5/18/2018	018810263JJK	Horwith Trucking	4110	2687870	TSCA PCB Soil	23.39 Ton	Wayne Disposal, Inc. Belleville, MI
5/18/2018	018810227JJK	Horwith Trucking	422	AG00478	TSCA PCB Soil	19.58 Ton	Wayne Disposal, Inc. Belleville, MI
5/18/2018	018810226JJK	EPIC	421	AG59157	TSCA PCB Soil	26.38 Ton	Wayne Disposal, Inc. Belleville, MI
5/18/2018	018810228JJK	Horwith Trucking	421	AG59157	TSCA PCB Soil	23.26 Ton	Wayne Disposal, Inc. Belleville, MI
5/18/2018	018810225JJK	EPIC	422	AG00478	TSCA PCB Soil	24.68 Ton	Wayne Disposal, Inc. Belleville, MI
5/21/2018	018810127JJK	US Bulk Transport	190	80931	TSCA PCB Soil	22.29 Ton	Wayne Disposal, Inc. Belleville, MI
5/21/2018	018810125JJK	PAGE ETC	1485	461965	TSCA PCB Soil	23.64 Ton	Wayne Disposal, Inc. Belleville, MI
5/21/2018	018810129JJK	PAGE ETC	3825	AG47629	TSCA PCB Soil	24.53 Ton	Wayne Disposal, Inc. Belleville, MI
5/21/2018	018810126JJK	US Bulk Transport	129	AF58510	TSCA PCB Soil	19.58 Ton	Wayne Disposal, Inc. Belleville, MI
5/21/2018	018810128JJK	US Bulk Transport	129	AG37064	TSCA PCB Soil	24.23 Ton	Wayne Disposal, Inc. Belleville, MI
5/17/2019	012735767FLE	DI Trucking	31	AT873D	TSCA PCB Soil	22.65 Ton	Clean Harbors, Waynoka, OK
5/17/2019	012735769FLE	DI Trucking	20	AS812S	TSCA PCB Soil	24.51 Ton	Clean Harbors, Waynoka, OK
5/17/2019	012735770FLE	DI Trucking	37	AU742M	TSCA PCB Soil	21.96 Ton	Clean Harbors, Waynoka, OK
5/17/2019	012735771FLE	DI Trucking	39	AU744M	TSCA PCB Soil	20.36 Ton	Clean Harbors, Waynoka, OK
6/3/2019	7945895	JID Transportation	2	AU846R	PCB Impacted Soil	23.57 Ton	Fairless, Morrisville, PA
6/3/2019	7945891	Mesa Logistics	1	AS420W	PCB Impacted Soil	29.22 Ton	Fairless, Morrisville, PA
6/3/2019	7945894	JID Transportation	5	AU843R	PCB Impacted Soil	23 Ton	Fairless, Morrisville, PA
6/3/2019	7945890	Joel Trucking	1	AS599X	PCB Impacted Soil	29.1 Ton	Fairless, Morrisville, PA
6/3/2019	7945893	Joel Trucking	5	AU260R	PCB Impacted Soil	26.6 Ton	Fairless, Morrisville, PA
6/3/2019	7945889	Mesa Logistics	2	AU927B	PCB Impacted Soil	29.33 Ton	Fairless, Morrisville, PA
6/3/2019	7945892	Mesa Logistics	3	AU714R	PCB Impacted Soil	31.38 Ton	Fairless, Morrisville, PA
6/3/2019	7945897	JID Transportation	8	AU845R	PCB Impacted Soil	28.76 Ton	Fairless, Morrisville, PA
6/3/2019	7945896	JID Transportation	1	AU842R	PCB Impacted Soil	24.47 Ton	Fairless, Morrisville, PA
6/4/2019	7945944	Brava Trucking	18	AT207Y	PCB Impacted Soil	29.14 Ton	Fairless, Morrisville, PA
6/4/2019	7945945	Brava Trucking	3	AU417C	PCB Impacted Soil	27.96 Ton	Fairless, Morrisville, PA
6/4/2019	7945946	Brava Trucking	16	AU210J	PCB Impacted Soil	32.49 Ton	Fairless, Morrisville, PA
6/4/2019	7945947	Brava Trucking	9	AU418C	PCB Impacted Soil	33 Ton	Fairless, Morrisville, PA
6/4/2019	7945949	MT Hauler	7	AU269V	PCB Impacted Soil	25.76 Ton	Fairless, Morrisville, PA
6/4/2019	7945948	Brava Trucking	50	AR602H	PCB Impacted Soil	30.61 Ton	Fairless, Morrisville, PA
6/4/2019	7945942	INCA	7	AU678Z	PCB Impacted Soil	25.91 Ton	Fairless, Morrisville, PA
6/4/2019	7945950	L&Y Enterprises	54	AU747T	PCB Impacted Soil	21.98 Ton	Fairless, Morrisville, PA
6/4/2019	7945943	L&Y Enterprises	37	AU384R	PCB Impacted Soil	22.21 Ton	Fairless, Morrisville, PA
6/5/2019	7945952	JID Transportation	1	AU842R	PCB Impacted Soil	21.43 Ton	Fairless, Morrisville, PA
6/5/2019	7945951	JID Transportation	5	AU843R	PCB Impacted Soil	19.8 Ton	Fairless, Morrisville, PA
6/5/2019	7945953	JID Transportation	2	AU846R	PCB Impacted Soil	24.49 Ton	Fairless, Morrisville, PA
6/5/2019	7945954	JID Transportation	3	AU844R	PCB Impacted Soil	18.62 Ton	Fairless, Morrisville, PA
6/5/2019	7945955	Magnolia	17	AW562A	PCB Impacted Soil	23.38 Ton	Fairless, Morrisville, PA
6/6/2019	7945898	JC Transport	30	AT778U	PCB Impacted Soil	20.04 Ton	Fairless, Morrisville, PA

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-10 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
6/6/2019	7945899	JC Transport	38	AU604U	PCB Impacted Soil	16.62 Ton	Fairless, Morrisville, PA
6/6/2019	7945900	JC Transport	20	AS579L	PCB Impacted Soil	18.4 Ton	Fairless, Morrisville, PA
6/6/2019	7945901	JC Transport	17	AS307C	PCB Impacted Soil	16.73 Ton	Fairless, Morrisville, PA
6/6/2019	7945902	JC Transport	27	AT353D	PCB Impacted Soil	16.59 Ton	Fairless, Morrisville, PA
6/6/2019	7945903	JC Transport	26	AT352D	PCB Impacted Soil	16.43 Ton	Fairless, Morrisville, PA
6/6/2019	7945904	JC Transport	23	AS401T	PCB Impacted Soil	17.34 Ton	Fairless, Morrisville, PA
6/6/2019	7945905	JC Transport	24	AS424V	PCB Impacted Soil	19.03 Ton	Fairless, Morrisville, PA
6/6/2019	7945906	JC Transport	37	AU111F	PCB Impacted Soil	21.33 Ton	Fairless, Morrisville, PA
6/6/2019	7945908	JC Transport	27	AT542C	PCB Impacted Soil	19.27 Ton	Fairless, Morrisville, PA
6/6/2019	7945909	DI Trucking	16	AS839K	PCB Impacted Soil	21.33 Ton	Fairless, Morrisville, PA
6/6/2019	7945907	DI Trucking	8	AS159M	PCB Impacted Soil	20.96 Ton	Fairless, Morrisville, PA
6/10/2019	7945912	Mendez Trucking	50	AS755P	PCB Impacted Soil	21.64 Ton	Fairless, Morrisville, PA
6/10/2019	7945910	Mendez Trucking	29	AP256H	PCB Impacted Soil	13.71 Ton	Fairless, Morrisville, PA
6/10/2019	7945911	Mendez Trucking	11	AR904C	PCB Impacted Soil	19.43 Ton	Fairless, Morrisville, PA
6/10/2019	7945913	Mendez Trucking	56	AS521B	PCB Impacted Soil	18.42 Ton	Fairless, Morrisville, PA
6/10/2019	7945914	Mendez Trucking	27	AP279K	PCB Impacted Soil	21.4 Ton	Fairless, Morrisville, PA
6/10/2019	7945916	Mendez Trucking	91	AN556Y	PCB Impacted Soil	25.14 Ton	Fairless, Morrisville, PA
6/10/2019	7945915	Mendez Trucking	57	AS269R	PCB Impacted Soil	22.62 Ton	Fairless, Morrisville, PA
6/10/2019	7945918	Mendez Trucking	89	AS354M	PCB Impacted Soil	21.97 Ton	Fairless, Morrisville, PA
6/10/2019	7945917	Mendez Trucking	10	AT556B	PCB Impacted Soil	23.12 Ton	Fairless, Morrisville, PA
6/10/2019	7945919	Mendez Trucking	1	AR903C	PCB Impacted Soil	21.95 Ton	Fairless, Morrisville, PA
6/11/2019	7945921	DoingItRight	23	AT566K	PCB Impacted Soil	19.57 Ton	Fairless, Morrisville, PA
6/11/2019	7945920	DoingItRight	30	AU480V	PCB Impacted Soil	20.41 Ton	Fairless, Morrisville, PA
6/11/2019	7945923	L&Y Enterprises	37	AU384R	PCB Impacted Soil	14.44 Ton	Fairless, Morrisville, PA
6/11/2019	7945924	DoingItRight	22	AU472A	PCB Impacted Soil	16.64 Ton	Fairless, Morrisville, PA
6/11/2019	7945925	DoingItRight	26	AS590V	PCB Impacted Soil	16.82 Ton	Fairless, Morrisville, PA
6/17/2019	012735777FLE	DI Trucking	41	AU142R	TSCA PCB Soil	22.86 Ton	Clean Harbors, Waynoka, OK
6/17/2019	012735778FLE	DI Trucking	37	AU742M	TSCA PCB Soil	23.01 Ton	Clean Harbors, Waynoka, OK
6/17/2019	012735779FLE	DI Trucking	43	AU144R	TSCA PCB Soil	25.02 Ton	Clean Harbors, Waynoka, OK
6/17/2019	012735780FLE	DI Trucking	23	AS121T	TSCA PCB Soil	24.4 Ton	Clean Harbors, Waynoka, OK
6/17/2019	8256603	Cunca Coronel	73	AU758A	PCB Impacted Soil	26.28 Ton	Fairless, Morrisville, PA
6/17/2019	8256555	Cunca Coronel	40	AT280E	PCB Impacted Soil	28.74 Ton	Fairless, Morrisville, PA
6/17/2019	8256556	Cunca Coronel	7	AU925U	PCB Impacted Soil	25.64 Ton	Fairless, Morrisville, PA
6/17/2019	8256557	Cunca Coronel	27	AT686H	PCB Impacted Soil	24.76 Ton	Fairless, Morrisville, PA
6/17/2019	8256558	Cunca Coronel	13	AU883L	PCB Impacted Soil	25.66 Ton	Fairless, Morrisville, PA
6/17/2019	8256560	Cunca Coronel	58	AS213L	PCB Impacted Soil	22.91 Ton	Fairless, Morrisville, PA
6/17/2019	8256559	Cunca Coronel	52	AS804E	PCB Impacted Soil	23.18 Ton	Fairless, Morrisville, PA
6/17/2019	8256562	Cunca Coronel	21	AT324N	PCB Impacted Soil	22.71 Ton	Fairless, Morrisville, PA
6/17/2019	8256561	Cunca Coronel	71	AT399F	PCB Impacted Soil	23.78 Ton	Fairless, Morrisville, PA
6/18/2019	8256564	JC Transport	24	AS424V	PCB Impacted Soil	19.35 Ton	Fairless, Morrisville, PA
6/18/2019	8256563	JC Transport	35	AT384Y	PCB Impacted Soil	18.04 Ton	Fairless, Morrisville, PA
6/18/2019	8256565	JC Transport	30	AT778U	PCB Impacted Soil	18.49 Ton	Fairless, Morrisville, PA
6/18/2019	8256566	JC Transport	32	AW545B	PCB Impacted Soil	17.99 Ton	Fairless, Morrisville, PA

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-10 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
6/18/2019	8256568	JC Transport	33	AT781U	PCB Impacted Soil	18.67 Ton	Fairless, Morrisville, PA
6/18/2019	8256567	JC Transport	40	AU606U	PCB Impacted Soil	16.84 Ton	Fairless, Morrisville, PA
6/18/2019	8256569	JC Transport	31	AT779U	PCB Impacted Soil	19.45 Ton	Fairless, Morrisville, PA
6/18/2019	8256570	JC Transport	22	AS736S	PCB Impacted Soil	20.64 Ton	Fairless, Morrisville, PA
6/18/2019	8256572	JC Transport	38	AU604U	PCB Impacted Soil	20.59 Ton	Fairless, Morrisville, PA
6/18/2019	8256571	JC Transport	29	AT863D	PCB Impacted Soil	19.72 Ton	Fairless, Morrisville, PA
6/18/2019	8256574	JC Transport	26	AT352D	PCB Impacted Soil	21.62 Ton	Fairless, Morrisville, PA
6/18/2019	8256573	JC Transport	17	AS307C	PCB Impacted Soil	20.87 Ton	Fairless, Morrisville, PA
6/18/2019	8256575	JC Transport	28	AT862D	PCB Impacted Soil	21.48 Ton	Fairless, Morrisville, PA
6/19/2019	8256576	JC Transport	24	AS424V	PCB Impacted Soil	21.74 Ton	Fairless, Morrisville, PA
6/19/2019	8256577	JC Transport	34	AT782U	PCB Impacted Soil	22.52 Ton	Fairless, Morrisville, PA
6/19/2019	8256579	JC Transport	35	AT384Y	PCB Impacted Soil	18.97 Ton	Fairless, Morrisville, PA
6/19/2019	8256580	JC Transport	41	AU607U	PCB Impacted Soil	18.45 Ton	Fairless, Morrisville, PA
6/19/2019	8256585	JC Transport	25	AS425V	PCB Impacted Soil	17.42 Ton	Fairless, Morrisville, PA
6/19/2019	8256583	JC Transport	36	AU316D	PCB Impacted Soil	19.31 Ton	Fairless, Morrisville, PA
6/19/2019	8256581	JC Transport	37	AU111F	PCB Impacted Soil	17.02 Ton	Fairless, Morrisville, PA
6/19/2019	8256584	JC Transport	22	AS736S	PCB Impacted Soil	17.19 Ton	Fairless, Morrisville, PA
6/19/2019	8256582	JC Transport	40	AU606U	PCB Impacted Soil	19.01 Ton	Fairless, Morrisville, PA
6/19/2019	8256586	JC Transport	38	AU604U	PCB Impacted Soil	18.55 Ton	Fairless, Morrisville, PA
6/19/2019	8256588	JC Transport	33	AT781U	PCB Impacted Soil	16.54 Ton	Fairless, Morrisville, PA
6/19/2019	8256587	JC Transport	39	AU605U	PCB Impacted Soil	19.18 Ton	Fairless, Morrisville, PA
6/19/2019	8256590	JC Transport	21	AS488S	PCB Impacted Soil	17.16 Ton	Fairless, Morrisville, PA
6/19/2019	8256591	JC Transport	28	AT862D	PCB Impacted Soil	18.18 Ton	Fairless, Morrisville, PA
6/19/2019	8256578	JC Transport	19	AS319F	PCB Impacted Soil	18.2 Ton	Fairless, Morrisville, PA
6/19/2019	8256589	JC Transport	27	AT353D	PCB Impacted Soil	19.26 Ton	Fairless, Morrisville, PA
6/20/2019	8256592	JC Transport	21	AS488S	PCB Impacted Soil	21.12 Ton	Fairless, Morrisville, PA
6/20/2019	8256593	JC Transport	23	AS401T	PCB Impacted Soil	22.88 Ton	Fairless, Morrisville, PA
6/20/2019	8256594	JC Transport	20	AS579L	PCB Impacted Soil	20.69 Ton	Fairless, Morrisville, PA
6/20/2019	8256596	JC Transport	41	AU607U	PCB Impacted Soil	21.57 Ton	Fairless, Morrisville, PA
6/20/2019	8256595	JC Transport	25	AS425V	PCB Impacted Soil	23.46 Ton	Fairless, Morrisville, PA
6/20/2019	8256598	JC Transport	32	AW545B	PCB Impacted Soil	23.54 Ton	Fairless, Morrisville, PA
6/20/2019	8256599	JC Transport	29	AT863D	PCB Impacted Soil	21.37 Ton	Fairless, Morrisville, PA
6/20/2019	8256600	JC Transport	37	AU111F	PCB Impacted Soil	23.59 Ton	Fairless, Morrisville, PA
6/20/2019	8256601	JC Transport	24	AS424V	PCB Impacted Soil	24.68 Ton	Fairless, Morrisville, PA
6/20/2019	8256602	JC Transport	39	AU605U	PCB Impacted Soil	25.35 Ton	Fairless, Morrisville, PA
6/20/2019	8256597	JC Transport	40	AU606U	PCB Impacted Soil	22.09 Ton	Fairless, Morrisville, PA
6/20/2019	8256505	JC Transport	35	AT384Y	PCB Impacted Soil	23.16 Ton	Fairless, Morrisville, PA
6/20/2019	8256506	JC Transport	36	AU316D	PCB Impacted Soil	23.11 Ton	Fairless, Morrisville, PA
6/20/2019	8256507	JC Transport	33	AT781U	PCB Impacted Soil	23.28 Ton	Fairless, Morrisville, PA
6/20/2019	8256508	JC Transport	17	AS307C	PCB Impacted Soil	23.16 Ton	Fairless, Morrisville, PA
6/20/2019	8256504	JC Transport	26	AT352D	PCB Impacted Soil	23.77 Ton	Fairless, Morrisville, PA
6/20/2019	8256510	JC Transport	22	AS736S	PCB Impacted Soil	21.3 Ton	Fairless, Morrisville, PA
6/20/2019	8256509	JC Transport	27	AT353D	PCB Impacted Soil	22.04 Ton	Fairless, Morrisville, PA

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-10 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
6/20/2019	8256511	JC Transport	38	AU604U	PCB Impacted Soil	22.2 Ton	Fairless, Morrisville, PA
7/17/2019	58268	J Granda	17	AU919R	TCE/PCE Contaminated Soil	26.62 Ton	Greenview, Stroudsburg, PA
7/17/2019	58269	J Granda	27	AS647U	TCE/PCE Contaminated Soil	26.05 Ton	Greenview, Stroudsburg, PA
7/17/2019	58270	DKC	1	AU194U	TCE/PCE Contaminated Soil	24.79 Ton	Greenview, Stroudsburg, PA
7/17/2019	58271	J Granda	3	AU162Z	TCE/PCE Contaminated Soil	27.87 Ton	Greenview, Stroudsburg, PA
7/17/2019	58267	Aviles	4	AU218N	TCE/PCE Contaminated Soil	24.43 Ton	Greenview, Stroudsburg, PA
7/17/2019	58272	J Granda	7	AU422T	TCE/PCE Contaminated Soil	29.35 Ton	Greenview, Stroudsburg, PA
7/17/2019	58266	Jaym Trucking	21	AU855S	TCE/PCE Contaminated Soil	23.37 Ton	Greenview, Stroudsburg, PA
7/17/2019	58273	JC Transport	30	AT778U	TCE/PCE Contaminated Soil	26.92 Ton	Greenview, Stroudsburg, PA
7/17/2019	58276	JC Transport	41	AU607U	TCE/PCE Contaminated Soil	26.79 Ton	Greenview, Stroudsburg, PA
7/17/2019	58277	JC Transport	33	AT781U	TCE/PCE Contaminated Soil	27.72 Ton	Greenview, Stroudsburg, PA
7/17/2019	58274	JC Transport	32	AW545B	TCE/PCE Contaminated Soil	28.66 Ton	Greenview, Stroudsburg, PA
7/17/2019	58275	JC Transport	19	AS319F	TCE/PCE Contaminated Soil	25.79 Ton	Greenview, Stroudsburg, PA
7/17/2019	58278	DSM Trucking	10	AU537X	TCE/PCE Contaminated Soil	27.67 Ton	Greenview, Stroudsburg, PA
7/17/2019	58279	Aviles	4	AU218N	TCE/PCE Contaminated Soil	25.49 Ton	Greenview, Stroudsburg, PA
7/17/2019	58280	DKC	1	AU194U	TCE/PCE Contaminated Soil	25.98 Ton	Greenview, Stroudsburg, PA
7/17/2019	58281	J Granda	27	AS647U	TCE/PCE Contaminated Soil	27.73 Ton	Greenview, Stroudsburg, PA
7/17/2019	58282	Jaym Trucking	21	AU855S	TCE/PCE Contaminated Soil	25.24 Ton	Greenview, Stroudsburg, PA
7/17/2019	58283	J Granda	17	AU919R	TCE/PCE Contaminated Soil	30.11 Ton	Greenview, Stroudsburg, PA
7/17/2019	58284	JC Transport	30	AT778U	TCE/PCE Contaminated Soil	28.01 Ton	Greenview, Stroudsburg, PA
7/17/2019	58285	J Granda	3	AU162Z	TCE/PCE Contaminated Soil	30.22 Ton	Greenview, Stroudsburg, PA
7/17/2019	58286	J Granda	7	AU422T	TCE/PCE Contaminated Soil	31.73 Ton	Greenview, Stroudsburg, PA
7/17/2019	58287	JC Transport	41	AU607U	TCE/PCE Contaminated Soil	27.68 Ton	Greenview, Stroudsburg, PA
7/17/2019	58288	JC Transport	33	AT781U	TCE/PCE Contaminated Soil	29.44 Ton	Greenview, Stroudsburg, PA
7/17/2019	58290	JC Transport	32	AW545B	TCE/PCE Contaminated Soil	29.82 Ton	Greenview, Stroudsburg, PA
7/17/2019	58289	JC Transport	19	AS319F	TCE/PCE Contaminated Soil	30.79 Ton	Greenview, Stroudsburg, PA
7/18/2019	80792	EarthEfficient	4	AU218N	TCE/PCE Contaminated Soil	20 Cubic Yards	Rodota, Belvidere, NJ
7/18/2019	80793	EarthEfficient	11	AS374T	TCE/PCE Contaminated Soil	20 Cubic Yards	Rodota, Belvidere, NJ
7/18/2019	80794	EarthEfficient	1	AU194U	TCE/PCE Contaminated Soil	20 Cubic Yards	Rodota, Belvidere, NJ
7/18/2019	80795	EarthEfficient	27	AS647U	TCE/PCE Contaminated Soil	20 Cubic Yards	Rodota, Belvidere, NJ
7/18/2019	80796	EarthEfficient	17	AU919R	TCE/PCE Contaminated Soil	20 Cubic Yards	Rodota, Belvidere, NJ
7/18/2019	92777	EarthEfficient	11	AS374T	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/18/2019	92778	EarthEfficient	27	AS647U	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/18/2019	92779	EarthEfficient	17	AU919R	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/18/2019	92780	EarthEfficient	1	AU194U	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/18/2019	92781	EarthEfficient	26	AT485Y	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/18/2019	92782	EarthEfficient	4	AU218N	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/18/2019	92783	EarthEfficient	23	AT953G	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/18/2019	92784	EarthEfficient	25	AU301D	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/18/2019	92785	EarthEfficient	22	AU514N	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/18/2019	92786	EarthEfficient	15	AT532X	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/18/2019	92787	EarthEfficient	10	AU537X	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/19/2019	92606	EarthEfficient	6	AW573C	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-10 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
7/19/2019	92607	EarthEfficient	8	AR804C	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/19/2019	92608	EarthEfficient	4	AT612A	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/19/2019	92609	EarthEfficient	2	AW572C	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/19/2019	92610	EarthEfficient	24	AT319B	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/19/2019	92611	EarthEfficient	4	AU218N	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/19/2019	92612	EarthEfficient	11	AS374T	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/19/2019	92613	EarthEfficient	3	AU162Z	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/19/2019	92614	EarthEfficient	1	AU194U	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/19/2019	92615	EarthEfficient	7	AU422T	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
7/19/2019	92616	EarthEfficient	11	AW399D	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/6/2019	012735787FLE	DI Trucking	37	AU742M	TSCA PCB Soil	26.63 Ton	Clean Harbors, Waynoka, OK
9/6/2019	012735788FLE	DI Trucking	40	AU745M	TSCA PCB Soil	25.1 Ton	Clean Harbors, Waynoka, OK
9/6/2019	012735789FLE	DI Trucking	6	AW573C	TSCA PCB Soil	23.12 Ton	Clean Harbors, Waynoka, OK
9/6/2019	012735790FLE	DI Trucking	43	AU144R	TSCA PCB Soil	24.76 Ton	Clean Harbors, Waynoka, OK
9/6/2019	012735791FLE	DI Trucking	40	AU745M	TSCA PCB Soil	27.03 Ton	Clean Harbors, Waynoka, OK
9/6/2019	012735792FLE	DI Trucking	37	AU742M	TSCA PCB Soil	24.73 Ton	Clean Harbors, Waynoka, OK
9/6/2019	012735793FLE	DI Trucking	6	AW573C	TSCA PCB Soil	29.3 Ton	Clean Harbors, Waynoka, OK
9/6/2019	012735795FLE	DI Trucking	43	AU144R	TSCA PCB Soil	26.81 Ton	Clean Harbors, Waynoka, OK
9/10/2019	95547	EarthEfficient	16	AS839K	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/10/2019	95548	EarthEfficient	19	AS811S	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/10/2019	95549	EarthEfficient	32	AU118B	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/10/2019	95550	EarthEfficient	38	AU743M	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/10/2019	95551	EarthEfficient	19	AS811S	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/10/2019	95552	EarthEfficient	38	AU743M	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/10/2019	95553	EarthEfficient	32	AU118B	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/10/2019	95554	EarthEfficient	16	AS839K	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/11/2019	93023	EarthEfficient	7	AU422T	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/11/2019	93024	EarthEfficient	9	AP584U	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/11/2019	93025	EarthEfficient	32	AU118B	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/11/2019	93062	EarthEfficient	32	AU118B	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/11/2019	93063	EarthEfficient	9	AP584U	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/13/2019	7945931	DI Trucking	29	AT895C	PCB Impacted Soil	28.32 Ton	Fairless, Morrisville, PA
9/13/2019	7945932	DI Trucking	26	AT238C	PCB Impacted Soil	27.68 Ton	Fairless, Morrisville, PA
9/13/2019	7945933	DI Trucking	34	AU205B	PCB Impacted Soil	27.34 Ton	Fairless, Morrisville, PA
9/13/2019	7945937	DI Trucking	7	AR713H	PCB Impacted Soil	12.26 Ton	Fairless, Morrisville, PA
9/13/2019	7945936	DI Trucking	8	AW406E	PCB Impacted Soil	13.78 Ton	Fairless, Morrisville, PA
9/13/2019	7945935	DI Trucking	13	AW401D	PCB Impacted Soil	14.06 Ton	Fairless, Morrisville, PA
9/13/2019	7945963	DI Trucking	21	AS119T	PCB Impacted Soil	11.56 Ton	Fairless, Morrisville, PA
9/13/2019	7945938	DI Trucking	20	AS812S	PCB Impacted Soil	12.95 Ton	Fairless, Morrisville, PA
9/16/2019	7945966	DI Trucking	26	AT238C	PCB Impacted Soil	18.74 Ton	Fairless, Morrisville, PA
9/16/2019	7945968	DI Trucking	32	AU118B	PCB Impacted Soil	14.95 Ton	Fairless, Morrisville, PA
9/16/2019	7945967	DI Trucking	35	AU461C	PCB Impacted Soil	15.37 Ton	Fairless, Morrisville, PA
9/16/2019	7945965	DI Trucking	10	AW398D	PCB Impacted Soil	16.79 Ton	Fairless, Morrisville, PA

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-10 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
9/16/2019	7945964	DI Trucking	12	AW400D	PCB Impacted Soil	13.69 Ton	Fairless, Morrisville, PA
9/17/2019	7945957	DI Trucking	11	AW399D	PCB Impacted Soil	17.48 Ton	Fairless, Morrisville, PA
9/17/2019	7945958	DI Trucking	35	AU461C	PCB Impacted Soil	16.52 Ton	Fairless, Morrisville, PA
9/17/2019	7945959	DI Trucking	34	AU205B	PCB Impacted Soil	19.81 Ton	Fairless, Morrisville, PA
9/17/2019	7945960	DI Trucking	29	AT895C	PCB Impacted Soil	21.89 Ton	Fairless, Morrisville, PA
9/17/2019	7945961	DI Trucking	7	AR713H	PCB Impacted Soil	15.35 Ton	Fairless, Morrisville, PA
9/17/2019	7945962	DI Trucking	10	AW398D	PCB Impacted Soil	18.34 Ton	Fairless, Morrisville, PA
9/20/2019	92801	EarthEfficient	76	AW943A	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/20/2019	92802	EarthEfficient	3	AU440S	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/20/2019	92803	EarthEfficient	1	AU768B	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/20/2019	92804	EarthEfficient	7	AU422T	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/20/2019	92805	EarthEfficient	2	AT233E	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/20/2019	92806	EarthEfficient	4	AU218N	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/20/2019	92807	EarthEfficient	27	AS647U	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/20/2019	92808	EarthEfficient	4	AW217E	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/20/2019	92809	EarthEfficient	3	AU162Z	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/23/2019	7945980	DI Trucking	6	AW573C	PCB Impacted Soil	16.27 Ton	Fairless, Morrisville, PA
9/23/2019	7945979	DI Trucking	16	AS839K	PCB Impacted Soil	16.18 Ton	Fairless, Morrisville, PA
9/23/2019	7945982	DI Trucking	1	AT590Y	PCB Impacted Soil	15.41 Ton	Fairless, Morrisville, PA
9/23/2019	7945981	DI Trucking	5	AT591Y	PCB Impacted Soil	17.1 Ton	Fairless, Morrisville, PA
9/23/2019	7945983	DI Trucking	24	AT319B	PCB Impacted Soil	16.22 Ton	Fairless, Morrisville, PA
9/25/2019	7945984	DI Trucking	40	AU745M	PCB Impacted Soil	21.73 Ton	Fairless, Morrisville, PA
9/25/2019	7945985	DI Trucking	19	AS811S	PCB Impacted Soil	21.21 Ton	Fairless, Morrisville, PA
9/25/2019	7945986	DI Trucking	32	AU118B	PCB Impacted Soil	20.82 Ton	Fairless, Morrisville, PA
9/25/2019	7945969	DI Trucking	30	AT896C	PCB Impacted Soil	20.79 Ton	Fairless, Morrisville, PA
9/25/2019	7945987	DI Trucking	21	AS119T	PCB Impacted Soil	19.18 Ton	Fairless, Morrisville, PA
9/25/2019	7945988	DI Trucking	38	AU743M	PCB Impacted Soil	19.22 Ton	Fairless, Morrisville, PA
9/25/2019	7946085	DI Trucking	34	AU205B	PCB Impacted Soil	19.56 Ton	Fairless, Morrisville, PA
9/25/2019	7946086	DI Trucking	22	AS120T	PCB Impacted Soil	20.95 Ton	Fairless, Morrisville, PA
9/25/2019	7946084	DI Trucking	8	AW406E	PCB Impacted Soil	19.92 Ton	Fairless, Morrisville, PA
9/25/2019	8626839	DI Trucking	39	AU744M	PCB Impacted Soil	18.69 Ton	Fairless, Morrisville, PA
9/25/2019	8626840	DI Trucking	16	AS839K	PCB Impacted Soil	23.01 Ton	Fairless, Morrisville, PA
9/25/2019	8626841	DI Trucking	10	AW398D	PCB Impacted Soil	19.51 Ton	Fairless, Morrisville, PA
9/25/2019	8626842	DI Trucking	4	AT612A	PCB Impacted Soil	15.64 Ton	Fairless, Morrisville, PA
9/25/2019	8626844	DI Trucking	5	AT591Y	PCB Impacted Soil	19.26 Ton	Fairless, Morrisville, PA
9/25/2019	8626845	DI Trucking	3	AT611A	PCB Impacted Soil	20.49 Ton	Fairless, Morrisville, PA
9/25/2019	8626843	DI Trucking	18	AS159M	PCB Impacted Soil	20.34 Ton	Fairless, Morrisville, PA
9/25/2019	8626846	DI Trucking	44	AW409E	PCB Impacted Soil	21.67 Ton	Fairless, Morrisville, PA
9/27/2019	8626849	DI Trucking	27	AT542C	PCB Impacted Soil	18.29 Ton	Fairless, Morrisville, PA
9/27/2019	8626848	DI Trucking	31	AT873D	PCB Impacted Soil	18.07 Ton	Fairless, Morrisville, PA
9/27/2019	8626850	DI Trucking	40	AU745M	PCB Impacted Soil	17.69 Ton	Fairless, Morrisville, PA
9/27/2019	8626851	DI Trucking	23	AW826E	PCB Impacted Soil	19.73 Ton	Fairless, Morrisville, PA
9/27/2019	8626852	DI Trucking	38	AU743M	PCB Impacted Soil	20.26 Ton	Fairless, Morrisville, PA

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-10 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
9/27/2019	8626853	DI Trucking	26	AT238C	PCB Impacted Soil	20.16 Ton	Fairless, Morrisville, PA
9/27/2019	8626855	DI Trucking	36	AU462C	PCB Impacted Soil	21.26 Ton	Fairless, Morrisville, PA
9/27/2019	8626854	DI Trucking	39	AU744M	PCB Impacted Soil	21.64 Ton	Fairless, Morrisville, PA
9/30/2019	92828	EarthEfficient	20	AS579C	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/30/2019	92829	EarthEfficient	34	AT782C	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/30/2019	92830	EarthEfficient	26	AT352D	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/30/2019	92832	EarthEfficient	37	AU111F	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/30/2019	92843	EarthEfficient	34	AT782U	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/30/2019	92844	EarthEfficient	20	AS579L	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/30/2019	92845	EarthEfficient	37	AU111S	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
9/30/2019	92847	EarthEfficient	26	AT352D	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
10/2/2019	42831	JC Transport	36	AU316D	TCE/PCE Contaminated Soil	27.17 Ton	Greenview, Stroudsburg, PA
10/2/2019	42836	JC Transport	41	AU607U	TCE/PCE Contaminated Soil	25.76 Ton	Greenview, Stroudsburg, PA
10/2/2019	42833	JC Transport	35	AT384Y	TCE/PCE Contaminated Soil	27.66 Ton	Greenview, Stroudsburg, PA
10/2/2019	42832	JC Transport	20	AS579L	TCE/PCE Contaminated Soil	26.94 Ton	Greenview, Stroudsburg, PA
10/2/2019	42834	JC Transport	39	AU605U	TCE/PCE Contaminated Soil	29.65 Ton	Greenview, Stroudsburg, PA
10/2/2019	57632	JC Transport	35	AT384Y	TCE/PCE Contaminated Soil	25.25 Ton	Greenview, Stroudsburg, PA
10/2/2019	57631	JC Transport	41	AU607U	TCE/PCE Contaminated Soil	27.16 Ton	Greenview, Stroudsburg, PA
10/2/2019	57630	JC Transport	36	AU316D	TCE/PCE Contaminated Soil	28.69 Ton	Greenview, Stroudsburg, PA
10/2/2019	92797	EarthEfficient	20	AS579L	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
10/3/2019	8626856	DI Trucking	40	AU745M	PCB Impacted Soil	19.43 Ton	Fairless, Morrisville, PA
10/4/2019	8626857	DI Trucking	1	AW310D	PCB Impacted Soil	19.01 Ton	Fairless, Morrisville, PA
10/4/2019	8626858	WR Trucking	1	AW689C	PCB Impacted Soil	20.19 Ton	Fairless, Morrisville, PA
10/4/2019	8626859	DI Trucking	9	AP584U	PCB Impacted Soil	20.58 Ton	Fairless, Morrisville, PA
10/4/2019	8626860	DI Trucking	30	AT896C	PCB Impacted Soil	19.58 Ton	Fairless, Morrisville, PA
10/4/2019	8626861	SeBest	1	AT139N	PCB Impacted Soil	21.59 Ton	Fairless, Morrisville, PA
10/4/2019	8626862	SeBest	3	AW543C	PCB Impacted Soil	19.48 Ton	Fairless, Morrisville, PA
10/7/2019	8626816	TMF Carriers	1	AW310D	PCB Impacted Soil	22.12 Ton	Fairless, Morrisville, PA
10/7/2019	8626815	WR Trucking	1	AW689C	PCB Impacted Soil	20.84 Ton	Fairless, Morrisville, PA
10/7/2019	8626813	Osuna	1	AW592C	PCB Impacted Soil	23.35 Ton	Fairless, Morrisville, PA
10/7/2019	8626814	SeBest	1	AT139N	PCB Impacted Soil	22.78 Ton	Fairless, Morrisville, PA
10/7/2019	8626818	NYC Stone Corp	18	AU474Y	PCB Impacted Soil	21.28 Ton	Fairless, Morrisville, PA
10/7/2019	8626819	SeBest	2	AU479S	PCB Impacted Soil	20.58 Ton	Fairless, Morrisville, PA
10/7/2019	8626817	Brava Trucking	18	AW288F	PCB Impacted Soil	22.07 Ton	Fairless, Morrisville, PA
10/16/2019	92792	EarthEfficient	1	AS780S	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
10/16/2019	92793	EarthEfficient	2	AU768B	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
10/16/2019	92860	EarthEfficient	76	AW943A	TCE/PCE Contaminated Soil	20 Cubic Yards	Hoffman Griffet Quarry, NJ
10/25/2019	8626820	DI Trucking	14	AW407E	PCB Impacted Soil	22.06 Ton	Fairless, Morrisville, PA
10/25/2019	8626823	DI Trucking	37	AU742M	PCB Impacted Soil	22.58 Ton	Fairless, Morrisville, PA
10/25/2019	8626821	DI Trucking	11	AW399D	PCB Impacted Soil	20.13 Ton	Fairless, Morrisville, PA
10/25/2019	8626830	DI Trucking	34	AU205B	PCB Impacted Soil	21.12 Ton	Fairless, Morrisville, PA
10/25/2019	8626828	DI Trucking	33	AU119B	PCB Impacted Soil	22.72 Ton	Fairless, Morrisville, PA
10/25/2019	8626825	Serpa Trucking	2	AS443X	PCB Impacted Soil	22.36 Ton	Fairless, Morrisville, PA

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-10 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
10/25/2019	8626822	Serpa Trucking	3	AS444X	PCB Impacted Soil	22.04 Ton	Fairless, Morrisville, PA
10/25/2019	8626827	Brava Trucking	16	AU210J	PCB Impacted Soil	23.27 Ton	Fairless, Morrisville, PA
10/25/2019	8626831	Manolos	19	AU148N	PCB Impacted Soil	23.04 Ton	Fairless, Morrisville, PA
10/25/2019	8626826	Serpa Trucking	4	AU837N	PCB Impacted Soil	22.83 Ton	Fairless, Morrisville, PA
10/25/2019	8626833	JAG	28	C483CQ	PCB Impacted Soil	22.19 Ton	Fairless, Morrisville, PA
10/25/2019	8626824	JS Trucking	17	AU319R	PCB Impacted Soil	20.43 Ton	Fairless, Morrisville, PA
10/25/2019	8626829	JS Trucking	17	AW815A	PCB Impacted Soil	20.5 Ton	Fairless, Morrisville, PA
10/25/2019	8626832	Manolos	4	AR498D	PCB Impacted Soil	23.05 Ton	Fairless, Morrisville, PA
10/25/2019	8626835	JS Trucking	27	AU955Z	PCB Impacted Soil	19.55 Ton	Fairless, Morrisville, PA
10/25/2019	8626834	JS Trucking	57	AW932A	PCB Impacted Soil	21.52 Ton	Fairless, Morrisville, PA
10/28/2019	8746863	DI Trucking	31	AT873D	PCB Impacted Soil	16.46 Ton	Fairless, Morrisville, PA
10/28/2019	8746864	DI Trucking	6	AW573C	PCB Impacted Soil	14.81 Ton	Fairless, Morrisville, PA
10/28/2019	8746865	DI Trucking	32	AU118B	PCB Impacted Soil	17.68 Ton	Fairless, Morrisville, PA
10/28/2019	8746867	Serpa Trucking	4	AU837N	PCB Impacted Soil	23.36 Ton	Fairless, Morrisville, PA
10/28/2019	8746866	Serpa Trucking	2	AS443X	PCB Impacted Soil	23.19 Ton	Fairless, Morrisville, PA
10/28/2019	8746868	Serpa Trucking	3	AS444X	PCB Impacted Soil	23.13 Ton	Fairless, Morrisville, PA
10/28/2019	8746869	DI Trucking	33	AU119B	PCB Impacted Soil	24.51 Ton	Fairless, Morrisville, PA
10/28/2019	8746871	Manolos	9	AS874P	PCB Impacted Soil	23.79 Ton	Fairless, Morrisville, PA
10/28/2019	8746870	DI Trucking	20	AS812S	PCB Impacted Soil	24.89 Ton	Fairless, Morrisville, PA
10/28/2019	8746872	DI Trucking	21	AS119T	PCB Impacted Soil	24.46 Ton	Fairless, Morrisville, PA
10/28/2019	8746873	Manolos	15	AT773S	PCB Impacted Soil	24.33 Ton	Fairless, Morrisville, PA
10/28/2019	8746875	DI Trucking	17	AS129M	PCB Impacted Soil	25.58 Ton	Fairless, Morrisville, PA
10/28/2019	8746874	DI Trucking	29	AT895C	PCB Impacted Soil	24.56 Ton	Fairless, Morrisville, PA
10/29/2019	8746877	Mendez Trucking	288	AS763L	PCB Impacted Soil	17.73 Ton	Fairless, Morrisville, PA
10/29/2019	8746878	Mendez Trucking	61	AP864P	PCB Impacted Soil	18.67 Ton	Fairless, Morrisville, PA
10/29/2019	8746879	Mendez Trucking	53	AS758P	PCB Impacted Soil	16.77 Ton	Fairless, Morrisville, PA
10/29/2019	8746882	Mendez Trucking	89	AS354M	PCB Impacted Soil	21.32 Ton	Fairless, Morrisville, PA
10/29/2019	8746881	Mendez Trucking	28	AU550Z	PCB Impacted Soil	18.99 Ton	Fairless, Morrisville, PA
10/29/2019	8746880	Mendez Trucking	50	AS755P	PCB Impacted Soil	21.07 Ton	Fairless, Morrisville, PA
10/29/2019	8746884	Mendez Trucking	43	AT557B	PCB Impacted Soil	20.28 Ton	Fairless, Morrisville, PA
10/29/2019	8746883	Mendez Trucking	55	AS520B	PCB Impacted Soil	21.22 Ton	Fairless, Morrisville, PA
10/29/2019	8746886	Mendez Trucking	45	AS531D	PCB Impacted Soil	20.44 Ton	Fairless, Morrisville, PA
10/29/2019	8746885	Mendez Trucking	58	AU937Z	PCB Impacted Soil	21.73 Ton	Fairless, Morrisville, PA
10/29/2019	8746887	Mendez Trucking	60	AW838F	PCB Impacted Soil	19.45 Ton	Fairless, Morrisville, PA
10/30/2019	012735772FLE	DI Trucking	38	AU743M	TSCA PCB Soil	17.6 Ton	Clean Harbors, Waynoka, OK
10/30/2019	012735773FLE	DI Trucking	39	AU744M	TSCA PCB Soil	21.45 Ton	Clean Harbors, Waynoka, OK
10/30/2019	012735774FLE	DI Trucking	38	AU743M	TSCA PCB Soil	25.46 Ton	Clean Harbors, Waynoka, OK
10/30/2019	012735775FLE	DI Trucking	39	AU744M	TSCA PCB Soil	25.85 Ton	Clean Harbors, Waynoka, OK
11/7/2019	8765121	CF Brothers	10	AT195P	PCB Impacted Soil	21.77 Ton	Fairless, Morrisville, PA
11/7/2019	8765119	CF Brothers	13	AT995T	PCB Impacted Soil	18.54 Ton	Fairless, Morrisville, PA
11/7/2019	8765124	CF Brothers	12	HS137R	PCB Impacted Soil	17.87 Ton	Fairless, Morrisville, PA
11/7/2019	8765123	Brava Trucking	18	AW288F	PCB Impacted Soil	18.91 Ton	Fairless, Morrisville, PA
11/7/2019	8765122	CF Brothers	9	AR874C	PCB Impacted Soil	18.13 Ton	Fairless, Morrisville, PA

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-10 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
11/8/2019	8765127	Mendez Trucking	21	AU877Z	PCB Impacted Soil	19.86 Ton	Fairless, Morrisville, PA
11/8/2019	8765126	Mendez Trucking	29	AP256H	PCB Impacted Soil	18.72 Ton	Fairless, Morrisville, PA
11/8/2019	8765125	Mendez Trucking	22	AW611B	PCB Impacted Soil	19.59 Ton	Fairless, Morrisville, PA
11/14/2019	8765128	Mendez Trucking	55	AS521B	PCB Impacted Soil	17.95 Ton	Fairless, Morrisville, PA
11/14/2019	8765129	Mendez Trucking	22	AW611B	PCB Impacted Soil	19.6 Ton	Fairless, Morrisville, PA
11/14/2019	8765130	Mendez Trucking	34	AU612B	PCB Impacted Soil	15.22 Ton	Fairless, Morrisville, PA
11/14/2019	8765131	Mendez Trucking	56	AS521B	PCB Impacted Soil	17.57 Ton	Fairless, Morrisville, PA
11/14/2019	8765132	Mendez Trucking	44	AS530D	PCB Impacted Soil	16.54 Ton	Fairless, Morrisville, PA
11/14/2019	8765135	Mendez Trucking	81	AS354M	PCB Impacted Soil	20.36 Ton	Fairless, Morrisville, PA
11/14/2019	8765133	Mendez Trucking	41	AS986S	PCB Impacted Soil	24.64 Ton	Fairless, Morrisville, PA
11/18/2019	8765147	Valentina Trucking	2	AU151L	PCB Impacted Soil	20.86 Ton	Fairless, Morrisville, PA
11/18/2019	8765149	Valentina Trucking	4	AU248U	PCB Impacted Soil	25.92 Ton	Fairless, Morrisville, PA
11/18/2019	8765150	Valentina Trucking	5	AW166C	PCB Impacted Soil	18.37 Ton	Fairless, Morrisville, PA
11/18/2019	8765151	Valentina Trucking	3	AU388P	PCB Impacted Soil	14.11 Ton	Fairless, Morrisville, PA
11/18/2019	8765152	Valentina Trucking	6	AW617G	PCB Impacted Soil	14.5 Ton	Fairless, Morrisville, PA
11/18/2019	8765153	Valentina Trucking	1	AT149V	PCB Impacted Soil	21.69 Ton	Fairless, Morrisville, PA
11/18/2019	8765154	DI Trucking	29	AT542C	PCB Impacted Soil	15.75 Ton	Fairless, Morrisville, PA
11/18/2019	8765156	DI Trucking	29	AT895C	PCB Impacted Soil	19.03 Ton	Fairless, Morrisville, PA
11/18/2019	8765155	DI Trucking	25	AT320B	PCB Impacted Soil	16.08 Ton	Fairless, Morrisville, PA
11/18/2019	8626837	DI Trucking	24	AT319B	PCB Impacted Soil	17.5 Ton	Fairless, Morrisville, PA
11/19/2019	8765138	DI Trucking	40	AU745M	PCB Impacted Soil	18 Ton	Fairless, Morrisville, PA
11/19/2019	8626836	Mendez Trucking	43	AT557B	PCB Impacted Soil	16.27 Ton	Fairless, Morrisville, PA
11/19/2019	8765157	Mendez Trucking	49	AT558B	PCB Impacted Soil	16.09 Ton	Fairless, Morrisville, PA
11/19/2019	8765158	Mendez Trucking	84	AW654G	PCB Impacted Soil	16.55 Ton	Fairless, Morrisville, PA
11/19/2019	8765159	Mendez Trucking	57	AS269R	PCB Impacted Soil	16.33 Ton	Fairless, Morrisville, PA
11/19/2019	8765161	Mendez Trucking	56	AS521B	PCB Impacted Soil	18.03 Ton	Fairless, Morrisville, PA
11/19/2019	8765160	Mendez Trucking	3	AW652G	PCB Impacted Soil	19.55 Ton	Fairless, Morrisville, PA
11/19/2019	8765162	Mendez Trucking	60	AW838F	PCB Impacted Soil	17.38 Ton	Fairless, Morrisville, PA
11/19/2019	8765163	Mendez Trucking	58	AU937Z	PCB Impacted Soil	19.73 Ton	Fairless, Morrisville, PA
11/19/2019	8765139	Mendez Trucking	52	AS747P	PCB Impacted Soil	17.81 Ton	Fairless, Morrisville, PA
11/19/2019	8765164	Mendez Trucking	22	AW611B	PCB Impacted Soil	19.26 Ton	Fairless, Morrisville, PA
11/21/2019	8626847	Mendez Trucking	57	AS269R	PCB Impacted Soil	18.71 Ton	Fairless, Morrisville, PA
11/21/2019	8765166	Mendez Trucking	43	AT557B	PCB Impacted Soil	18.28 Ton	Fairless, Morrisville, PA
11/21/2019	8765165	Mendez Trucking	84	AW654G	PCB Impacted Soil	24,79 Ton	Fairless, Morrisville, PA
11/21/2019	8765167	Mendez Trucking	18	AW653B	PCB Impacted Soil	17.61 Ton	Fairless, Morrisville, PA
11/21/2019	8765168	Mendez Trucking	1	AS521B	PCB Impacted Soil	21.91 Ton	Fairless, Morrisville, PA
11/21/2019	8849071	Mendez Trucking	58	AU937Z	PCB Impacted Soil	18.07 Ton	Fairless, Morrisville, PA
11/21/2019	8765146	Mendez Trucking	3	AW652G	PCB Impacted Soil	21.37 Ton	Fairless, Morrisville, PA
11/21/2019	8849072	Mendez Trucking	18	AT556B	PCB Impacted Soil	17 Ton	Fairless, Morrisville, PA
11/22/2019	8849073	JC Transport	51	AT782U	PCB Impacted Soil	20.38 Ton	Fairless, Morrisville, PA
11/22/2019	8849075	JC Transport	39	AU665U	PCB Impacted Soil	23.9 Ton	Fairless, Morrisville, PA
11/22/2019	8849074	JC Transport	19	AS319F	PCB Impacted Soil	20.29 Ton	Fairless, Morrisville, PA
11/26/2019	8849078	Mendez Trucking	49	AT558B	PCB Impacted Soil	22.6 Ton	Fairless, Morrisville, PA

Table 2
Offsite Soil/Waste Disposal Volumes and Facilities
131-10 Avery Avenue, Flushing, NY
Project No. 17116

Date	Manifest Number	Transporter	Truck Number	Plate Number	Material	Quantity	Facility
11/26/2019	8849077	Mendez Trucking	22	AW611B	PCB Impacted Soil	21.33 Ton	Fairless, Morrisville, PA
11/26/2019	8849079	Mendez Trucking	60	AW838F	PCB Impacted Soil	21.06 Ton	Fairless, Morrisville, PA
11/26/2019	8849080	Mendez Trucking	56	AS521B	PCB Impacted Soil	22.37 Ton	Fairless, Morrisville, PA
11/26/2019	8849076	JC Transport	28	AT862D	PCB Impacted Soil	23.92 Ton	Fairless, Morrisville, PA
11/26/2019	8849081	Mendez Trucking	44	AS530D	PCB Impacted Soil	23.27 Ton	Fairless, Morrisville, PA
3/10/2020	7945974	JC Transport	38	AU604U	PCB Impacted Soil	16.86 Ton	Fairless, Morrisville, PA
3/10/2020	7945976	JC Transport	29	AT863D	PCB Impacted Soil	14.88 Ton	Fairless, Morrisville, PA
3/10/2020	7945975	JC Transport	20	AW362M	PCB Impacted Soil	12.45 Ton	Fairless, Morrisville, PA
3/10/2020	7945973	JC Transport	22	AW364M	PCB Impacted Soil	17.2 Ton	Fairless, Morrisville, PA
3/10/2020	7945972	JC Transport	17	AS307C	PCB Impacted Soil	19.89 Ton	Fairless, Morrisville, PA
3/10/2020	7945971	JC Transport	28	AT862D	PCB Impacted Soil	22.22 Ton	Fairless, Morrisville, PA
3/10/2020	7945978	JC Transport	26	AT352D	PCB Impacted Soil	22.94 Ton	Fairless, Morrisville, PA
3/11/2020	T887766	JC Transport	42	AW544B	PCB Impacted Soil	13.85 Ton	Fairless, Morrisville, PA
3/11/2020	T887767	JC Transport	41	AU607U	PCB Impacted Soil	10.42 Ton	Fairless, Morrisville, PA
2/11/2020	ACV058324	ACV Enviro	410909	TL218019	TCE/PCE Impacted Water	5300 Gallon	Cycle Chem, Elizabeth, NJ
2/11/2020	ACV058329	ACV Enviro	410909	TL218019	TCE/PCE Impacted Water	5300 Gallon	Cycle Chem, Elizabeth, NJ
2/19/2020	ACV058359	ACV Enviro	8133	TFE53E	TCE/PCE Impacted Water	5500 Gallon	Cycle Chem, Elizabeth, NJ
2/20/2020	ACV058361	ACV Enviro	8133	TFE53E	TCE/PCE Impacted Water	5000 Gallon	Cycle Chem, Elizabeth, NJ
2/28/2020	ACV058397	ACV Enviro	8133	TFE53E	TCE/PCE Impacted Water	5350 Gallon	Cycle Chem, Elizabeth, NJ
3/4/2020	ACV058399	ACV Enviro	8022	TLS95L	TCE/PCE Impacted Water	5068 Gallon	Cycle Chem, Elizabeth, NJ
3/4/2020	ACV058426	ACV Enviro	8022	TLS95L	TCE/PCE Impacted Water	6000 Gallon	Cycle Chem, Elizabeth, NJ
3/5/2020	ACV038554	ACV Enviro	63	AN663X	TCE/PCE Impacted Water	5700 Gallon	Cycle Chem, Elizabeth, NJ

Table 3
Waste Classification Soil Sample Analytical Results Summary
131-10 to 131-18 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Depth Sampling Date Client Matrix		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential	WC-3-1 0-5 ft 10/23/2017 Soil	WC-3-2 5-10 ft 10/23/2017 Soil	WC-3-3 10-20 ft 10/23/2017 Soil	WC-4-1 0-5 ft 10/24/2017 Soil	WC-4-2 5-8 ft 10/24/2017 Soil	WC-5-1 0-5 ft 10/24/2017 Soil	WC-5-2 5-8 ft 10/24/2017 Soil	WC-4-C-2 5-8 ft 10/10/2019 Soil	WC-5-C-2 5-8 ft 10/10/2019 Soil
Compound	**CAS Number**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatile Organics, 8260 - Comprehensive		mg/Kg	mg/Kg									
1,1,1,2-Tetrachloroethane	630-20-6	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	71-55-6	0.68	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	79-34-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	0.27	19	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	75-35-4	0.33	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	96-18-4	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	3.6	47	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	96-12-8	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	106-93-4	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	1.1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.02	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	108-67-8	8.4	47	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	2.4	17	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	1.8	9.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	123-91-1	0.1	9.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	78-93-3	0.12	100	ND	ND	ND	ND	ND	ND	0.00720	ND	ND
2-Hexanone	591-78-6	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	108-10-1	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	67-64-1	0.05	100	0.00960	0.0220	0.00850	0.0140	ND	0.0240	0.0290	0.072	0.062
Acrolein	107-02-8	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	107-13-1	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	71-43-2	0.06	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	74-97-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	75-25-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	74-83-9	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	75-15-0	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	0.76	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	1.1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	0.37	10	ND	ND	ND	ND	ND	ND	ND	0.0002 J	0.00016 J
Chloromethane	74-87-3	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	156-59-2	0.25	59	0.0170	0.00580	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	10061-01-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	110-82-7	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	74-95-3	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 3
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131-10 to 131-18 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Depth Sampling Date Client Matrix		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential	WC-3-1 0-5 ft 10/23/2017 Soil	WC-3-2 5-10 ft 10/23/2017 Soil	WC-3-3 10-20 ft 10/23/2017 Soil	WC-4-1 0-5 ft 10/24/2017 Soil	WC-4-2 5-8 ft 10/24/2017 Soil	WC-5-1 0-5 ft 10/24/2017 Soil	WC-5-2 5-8 ft 10/24/2017 Soil	WC-4-C-2 5-8 ft 10/10/2019 Soil	WC-5-C-2 5-8 ft 10/10/2019 Soil
Compound	**CAS Number**			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Ethyl Benzene	100-41-4	1	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	98-82-8	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	79-20-9	~	~	ND	ND	ND	ND	ND	ND	ND	0.36 E	0.41 E
Methyl tert-butyl ether (MTBE)	1634-04-4	0.93	62	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	108-87-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	75-09-2	0.05	51	ND	ND	0.0031J	0.0110	ND	0.0052J	ND	ND	ND
n-Butylbenzene	104-51-8	12	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	103-65-1	3.9	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	95-47-6	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
p- & m- Xylenes	179601-23-1	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	99-87-6	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	135-98-8	11	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	100-42-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	75-65-0	~	~	ND	ND	ND	ND	ND	ND	ND	0.018 J	0.015 J
tert-Butylbenzene	98-06-6	5.9	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	127-18-4	1.3	5.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	108-88-3	0.7	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	156-60-5	0.19	100	0.00400	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropylene	10061-02-6	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	79-01-6	0.47	10	0.0220	ND	0.0013J	ND	ND	0.0034J	ND	ND	0.00012 J
Trichlorofluoromethane	75-69-4	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	75-01-4	0.02	0.21	ND	0.0022J	D	ND	ND	ND	ND	ND	ND
Xylenes, Total	1330-20-7	0.26	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles, 8270 - Comprehensive												
1,1-Biphenyl	92-52-4	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	95-94-3	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	1.1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	2.4	17	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	1.8	9.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	58-90-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	95-95-4	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	88-06-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	120-83-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	105-67-9	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	51-28-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	121-14-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	606-20-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	91-58-7	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	95-57-8	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	91-57-6	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	95-48-7	0.33	100	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Compound	CAS Number			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
2-Nitroaniline	88-74-4	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	88-75-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
3- & 4-Methylphenols	65794-96-9	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	91-94-1	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	99-09-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	534-52-1	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	101-55-3	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	59-50-7	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	106-47-8	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	7005-72-3	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	100-01-6	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	100-02-7	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	83-32-9	20	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	208-96-8	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	98-86-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	62-53-3	~	~	ND	ND	ND	ND	ND	ND	ND	NA	NA
Anthracene	120-12-7	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Atrazine	1912-24-9	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	100-52-7	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	92-87-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	56-55-3	1	1	0.160	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	50-32-8	1	1	0.162	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	205-99-2	1	1	0.145	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	191-24-2	100	100	0.113	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	207-08-9	0.8	1	0.134	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic acid	65-85-0	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	100-51-6	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl butyl phthalate	85-68-7	~	~	ND	ND	ND	ND	ND	ND	ND	1.4	ND
Bis(2-chloroethoxy)methane	111-91-1	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	111-44-4	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	108-60-1	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	117-81-7	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	105-60-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	86-74-8	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	218-01-9	1	1	0.170	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	132-64-9	7	14	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	84-66-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	131-11-3	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	84-74-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	117-84-0	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	206-44-0	100	100	0.255	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	86-73-7	30	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	118-74-1	0.33	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND

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131-10 to 131-18 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Depth Sampling Date Client Matrix		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential	WC-3-1 0-5 ft 10/23/2017 Soil	WC-3-2 5-10 ft 10/23/2017 Soil	WC-3-3 10-20 ft 10/23/2017 Soil	WC-4-1 0-5 ft 10/24/2017 Soil	WC-4-2 5-8 ft 10/24/2017 Soil	WC-5-1 0-5 ft 10/24/2017 Soil	WC-5-2 5-8 ft 10/24/2017 Soil	WC-4-C-2 5-8 ft 10/10/2019 Soil	WC-5-C-2 5-8 ft 10/10/2019 Soil
Compound	**CAS Number**			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Hexachlorobutadiene	87-68-3	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	77-47-4	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	67-72-1	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	0.103	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	78-59-1	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	91-20-3	12	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	98-95-3	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	62-75-9	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitroso-di-n-propylamine	621-64-7	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	86-30-6	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	87-86-5	0.8	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	85-01-8	100	100	0.148	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	108-95-2	0.33	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	129-00-0	100	100	0.278	ND	ND	ND	ND	ND	ND	ND	ND
Total Petroleum Hydrocarbons-DRO (C10-C28)												
Total Petroleum Hydrocarbons-DRO		~	~	90.900	ND	ND	ND	ND	ND	ND	43	10.1 J
Pesticides, 8081 target list												
4,4'-DDD	72-54-8	0.0033	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	72-55-9	0.0033	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	50-29-3	0.0033	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	309-00-2	0.005	0.019	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	319-84-6	0.02	0.097	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	5103-71-9	0.094	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	319-85-7	0.036	0.072	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane, total	57-74-9	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	319-86-8	0.04	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	60-57-1	0.005	0.039	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	959-98-8	2.4	4.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	33213-65-9	2.4	4.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	1031-07-8	2.4	4.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	72-20-8	0.014	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	7421-93-4	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	53494-70-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	58-89-9	0.1	0.28	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	5566-34-7	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	76-44-8	0.042	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	1024-57-3	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	72-43-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	8001-35-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals, Target Analyte												
Aluminum	7429-90-5	~	~	6,650	7,840	5,950	4,330	3,110	5,280	4,550	3230	3470
Antimony	7440-36-0	~	~	1.150	1.150	1.020	1.100	0.930	1.270	0.823	0.357 J	ND
Arsenic	7440-38-2	13	16	5.430	2.470	ND	ND	ND	2.070	1.340	1.12	1.42

Table 3
Waste Classification Soil Sample Analytical Results Summary
131-10 to 131-18 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Depth Sampling Date Client Matrix		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential	WC-3-1 0-5 ft 10/23/2017 Soil	WC-3-2 5-10 ft 10/23/2017 Soil	WC-3-3 10-20 ft 10/23/2017 Soil	WC-4-1 0-5 ft 10/24/2017 Soil	WC-4-2 5-8 ft 10/24/2017 Soil	WC-5-1 0-5 ft 10/24/2017 Soil	WC-5-2 5-8 ft 10/24/2017 Soil	WC-4-C-2 5-8 ft 10/10/2019 Soil	WC-5-C-2 5-8 ft 10/10/2019 Soil
Compound	**CAS Number**			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Barium	7440-39-3	350	350	174.00	67.1	33.4	36.3	32.8	48.9	56.5	32	52.4
Beryllium	7440-41-7	7.2	14	ND	ND	ND	ND	ND	ND	ND	0.146 J	0.178 J
Cadmium	7440-43-9	2.5	2.5	0.35	ND	ND	ND	ND	ND	ND	0.243 J	0.288 J
Calcium	7440-70-2	~	~	21500.00	1200	523	402	376	1380	1090	1430	1870
Chromium	7440-47-3	~	~	16.10	19.1	19.1	13.4	10.2	14.5	11.3	11.1	10
Cobalt	7440-48-4	~	~	6.69	8.84	6.23	6.31	6.59	5.47	4.76	3.68	4.5
Copper	7440-50-8	50	270	**78.80**	23.6	8.75	8.58	8.14	25.8	13.1	9.2	8.68
Iron	7439-89-6	~	~	15800.00	16300	11000	12600	14100	11300	9600	7270	8370
Lead	7439-92-1	63	400	**136.00**	52.3	2.65	1.98	1.95	55.6	22.7	9.61	9.07
Magnesium	7439-95-4	~	~	4370	1710	1750	1300	1040	1660	1380	992	1110
Manganese	7439-96-5	1600	2000	293	300	165	348	419	156	118	201	428
Nickel	7440-02-0	30	140	15.4	15.3	10.8	11.1	10	12.1	9.67	6.13	7.61
Potassium	7440-09-7	~	~	827	790	1220	1030	858	883	753	848	889
Selenium	7782-49-2	3.9	36	1.97	ND	ND	ND	ND	ND	ND	0.26 J	ND
Silver	7440-22-4	2	36	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	7440-23-5	~	~	89.1	61.80	39.20	75.80	56.30	71.90	77.10	45.9 J	59.5 J
Thallium	7440-28-0	~	~	ND	ND	1.06	ND	ND	ND	ND	ND	ND
Vanadium	7440-62-2	~	~	24.4	21.90	26.30	16.40	16.70	16.40	14.20	10.5	12.3
Zinc	7440-66-6	109	2200	**129B**	62.6B	21.1B	16.8B	15.2B	95.8B	45.5B	21.4	24.1
Metals, TCLP RCRA		mg/L										
Arsenic	7440-38-2	5		ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	7440-39-3	100		0.618B	0.482B	0.255B	0.308B	0.254B	0.544B	0.435B	0.48 J	0.335 J
Cadmium	7440-43-9	1		0.00	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	7440-47-3	5		ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	7439-92-1	5		0.06	0.0740	0.0180	ND	ND	0.0210	0.106	0.027 J	ND
Selenium	7782-49-2	1		ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	7440-22-4	5		ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury by 7473												
Mercury	7439-97-6	0.18	0.81	0.159	0.0986	0.0317	ND	ND	0.0653	ND	ND	ND
Mercury TCLP by 7473		mg/L										
Mercury	7439-97-6	0.2		ND	ND	0.00020	ND	ND	ND	ND	ND	ND
Chromium, Hexavalent												
Chromium, Hexavalent	18540-29-9	1	22	ND	ND	ND	ND	ND	ND	ND	ND	ND
Corrosivity		pH units										
pH		~	~	7.950	7.580	7.610	7.590	7.700	7.550	7.600	10.300	8.600
Temperature		~	~	23	23	23	23	23	23	23	NA	NA
Cyanide, Total												
Cyanide, total	57-12-5	27	27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ignitability												
Ignitability		~	~	Non-Ignit.	Non-Ignit.	Non-Ignit.	Non-Ignit.	Non-Ignit.	Non-Ignit.	Non-Ignit.	Non-Ignit.	Non-Ignit.
Paint Filter Test								-				
Paint Filter Test		~	~	NT	NT	NT	NT	No Free Liquid	NT	NT	No Free Liquid	No Free Liquid
Reactivity-Cyanide												

Table 3
Waste Classification Soil Sample Analytical Results Summary
131-10 to 131-18 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Depth Sampling Date Client Matrix		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential	WC-3-1 0-5 ft 10/23/2017 Soil	WC-3-2 5-10 ft 10/23/2017 Soil	WC-3-3 10-20 ft 10/23/2017 Soil	WC-4-1 0-5 ft 10/24/2017 Soil	WC-4-2 5-8 ft 10/24/2017 Soil	WC-5-1 0-5 ft 10/24/2017 Soil	WC-5-2 5-8 ft 10/24/2017 Soil	WC-4-C-2 5-8 ft 10/10/2019 Soil	WC-5-C-2 5-8 ft 10/10/2019 Soil
Compound	**CAS Number**			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Reactivity - Cyanide		~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactivity-Sulfide												
Reactivity - Sulfide		~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls (PCB)												
Aroclor 1016	12674-11-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	~	102.00	0.36	0.0701P	0.057P	ND	22.00	2.21	3.59	1.01
Aroclor 1260	11096-82-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1336-36-3	0.1	1	**102.00**	**0.36**	0.07	0.06	ND	**22.00**	**2.21**	**3.59**	**1.01**

Key:
J = analyte detected at/above the method detection limit but below the Reporting Limit, data is estimated
B=analyte found in the analysis batch blank
P=this flag is used for pesticide and PCB target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
ND = analyte not detected at or above the level indicated
NA=this indicates the analyte was not a target for this sample
NT=this indicates the analyte was not a target for this sample
~ = this indicates that no regulatory limit has been established for this analyte
= Unrestricted Use Criteria Exceeded
= Unrestricted Use and Residential Use Exceeded

Table 4
Waste Classification Soil Sample RCRA Results Summary
131-10 to 131-18 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Depth Sampling Date Sample Matrix		EPA Hazardous Waste Limits	WM-C-3 0-3 ft 3/27/2018 Soil	WM-C-WC3 5-10 ft 4/26/2019 Soil	WC-4-C-2 5-8 ft 10/10/2019 Soil	WC-5-C-2 5-8 ft 10/10/2019 Soil
Compound	**CAS Number**		Result	Result	Result	Result
Volatile Organics, TCLP RCRA List		mg/L	mg/L	mg/L	mg/L	mg/L
1,1-Dichloroethylene	75-35-4	0.7	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	0.5	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	7.5	ND	ND	ND	ND
2-Butanone	78-93-3	200	ND	ND	ND	ND
Benzene	71-43-2	0.5	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	0.5	ND	ND	ND	ND
Chlorobenzene	108-90-7	100	ND	ND	ND	ND
Chloroform	67-66-3	6	ND	ND	ND	ND
Tetrachloroethylene	127-18-4	0.7	ND	ND	ND	ND
Trichloroethylene	79-01-6	0.5	ND	ND	ND	ND
Vinyl Chloride	75-01-4	0.2	ND	ND	ND	ND
Semi-Volatiles, TCLP RCRA Target List		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,4-Dichlorobenzene	106-46-7	7.5	ND	ND	ND	ND
2,4,5-Trichlorophenol	95-95-4	400	ND	ND	ND	ND
2,4,6-Trichlorophenol	88-06-2	2	ND	ND	ND	ND
2,4-Dinitrotoluene	121-14-2	0.13	ND	ND	ND	ND
2-Methylphenol	95-48-7	200	ND	ND	ND	ND
3- & 4-Methylphenols	65794-96-9	200	ND	ND	ND	ND
Cresols, total	1319-77-3	200	ND	ND	NA	NA
Hexachlorobenzene	118-74-1	0.13	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	0.5	ND	ND	ND	ND
Hexachloroethane	67-72-1	3	ND	ND	ND	ND
Nitrobenzene	98-95-3	2	ND	ND	ND	ND
Pentachlorophenol	87-86-5	100	ND	ND	ND	ND
Pyridine	110-86-1	5	ND	ND	ND	ND
Pesticides, TCLP RCRA List		mg/L	mg/L	mg/L	mg/L	mg/L
Chlordane, total	57-74-9	0.03	ND	ND	ND	ND
Endrin	72-20-8	0.02	ND	ND	ND	ND
gamma-BHC (Lindane)	58-89-9	0.4	ND	ND	ND	ND
Heptachlor	76-44-8	0.008	ND	ND	ND	ND
Heptachlor epoxide	1024-57-3	0.008	ND	ND	ND	ND
Methoxychlor	72-43-5	10	ND	ND	ND	ND
Toxaphene	8001-35-2	0.5	ND	ND	ND	ND
Metals, TCLP by EPA 6010		mg/L	mg/L	mg/L	mg/L	mg/L
Copper	7440-50-8	~	ND	ND	0.049 J	ND
Nickel	7440-02-0	~	ND	ND	ND	ND
Zinc	7440-66-6	~	ND	ND	0.184 J	0.085 J
Metals, TCLP RCRA		mg/L	mg/L	mg/L	mg/L	mg/L
Arsenic	7440-38-2	5	ND	ND	ND	ND
Barium	7440-39-3	100	0.745	ND	0.48 J	0.335 J
Cadmium	7440-43-9	1	ND	ND	ND	ND
Chromium	7440-47-3	5	ND	ND	ND	ND
Lead	7439-92-1	5	0.143	ND	0.027 J	ND
Selenium	7782-49-2	1	ND	ND	ND	ND
Silver	7440-22-4	5	ND	ND	ND	ND
Mercury TCLP by 7473		mg/L	mg/L	mg/L	mg/L	mg/L

Table 4
Waste Classification Soil Sample RCRA Results Summary
131-10 to 131-18 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Depth Sampling Date Sample Matrix		EPA Hazardous Waste Limits	WM-C-3 0-3 ft 3/27/2018 Soil	WM-C-WC3 5-10 ft 4/26/2019 Soil	WC-4-C-2 5-8 ft 10/10/2019 Soil	WC-5-C-2 5-8 ft 10/10/2019 Soil
Compound	**CAS Number**		Result	Result	Result	Result
Mercury	7439-97-6	0.2	0.00020	ND	ND	ND
Ammonia as N, Water Leachable		mg/L	mg/L	mg/L	mg/L	mg/L
Ammonia Nitrogen as N	7664-41-7	~	ND	ND	NA	NA
Chemical Oxygen Demand (COD),Water Leac		mg/L	mg/L	mg/L	mg/L	mg/L
Chemical Oxygen Demand (COD)		~	ND	ND	NA	NA
DI Water Leach			%	%	%	%
DI Water Extraction		~	ND	Completed	NA	NA
Ignitability			-	-	-	-
Ignitability		~	No Free Liquid	Non-Ignit.	Non-Ignit.	Non-Ignit.
Oil & Grease			mg/kg	mg/kg	mg/kg	mg/kg
Oil & Grease	OILGREASE	~	ND	ND	58.4	ND
Oil & Grease Water Leachable			mg/L	mg/L	mg/L	mg/L
Oil & Grease	OILGREASE	~	ND	ND	ND	ND
Paint Filter Test			-	-	-	-
Paint Filter Test		~	No Free Liquid	No Free Liquid	No Free Liquid	No Free Liquid
pH			pH units	pH units	pH units	pH units
pH		~	8.95	8.21	10.30	8.60
pH of TCLP Extract			pH units	pH units	pH units	pH units
pH		~	5.06	5.12	5.01	4.53
Reactivity			mg/kg	mg/kg	mg/kg	mg/kg
Reactivity - Cyanide		~	0.250	ND	ND	ND
Reactivity - Sulfide		~	15	48	ND	ND
Total Solids			%	%	%	%
% Solids	solids	~	90.6	89.1	96.2	89.4
Total Solids (Aq), Water Leachable			mg/L	mg/L	mg/L	mg/L
Total Solids		~	84	119	NA	NA
Volatile Solids			%	%	%	%
Volatile Solids		~	1.140	0.81	0.1	0.1
Herbicides, TCLP Target List		mg/L	mg/L	mg/L	mg/L	mg/L
2,4,5-TP (Silvex)	93-72-1	1	ND	ND	ND	ND
2,4-D	94-75-7	10	ND	ND	ND	ND
Polychlorinated Biphenyls (PCB)		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aroclor 1016	12674-11-2	~	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	ND	ND	ND	ND
Aroclor 1232	11141-16-5	~	ND	ND	ND	ND
Aroclor 1242	53469-21-9	~	ND	ND	ND	ND
Aroclor 1248	12672-29-6	~	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	3.230	2.05	3.59	1.01
Aroclor 1260	11096-82-5	~	ND	ND	ND	ND
Total PCBs	1336-36-3	50	3.230	2.05	3.59	1.01

Key:
J = data is estimated
ND = analyte not detected at or above the level indicated
NA = the analyte was not a target for this sample
~ = this indicates that no regulatory limit has been established for this analyte

Table 5
Waste Classification Additional PCB Delineation Soil Sample Analytical Results Summary
131-10 to 131-18 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Date Sampling Depth Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives	EPA TSCA PCBs Hazarouds Waste Criteria	WC-2-901 4/1/2019 5 ft bgs Soil	WC-2-904 4/1/2019 5 ft bgs Soil	WC-2-907 4/1/2019 5 ft bgs Soil	WC-3-301 3/26/2018 0 ft bgs Soil	WC-3-302 3/26/2018 0 ft bgs Soil	WC-3-303 3/26/2018 0 ft bgs Soil	WC-3-304 3/26/2018 0 ft bgs Soil	WC-3-305 3/26/2018 0 ft bgs Soil	WC-3-306 3/26/2018 0 ft bgs Soil	WC-3-307 3/26/2018 0 ft bgs Soil	WC-3-308 3/26/2018 0 ft bgs Soil	WC-3-309 3/26/2018 0 ft bgs Soil	WC-3-310 3/26/2018 0 ft bgs Soil	WC-3-311 3/26/2018 0 ft bgs Soil	WC-3-312 3/26/2018 0 ft bgs Soil	WC-3-313 3/26/2018 0 ft bgs Soil
Compound	**CAS Number**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Polychlorinated Biphenyls (PCB)																			
Aroclor 1016	12674-11-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	~	0.0551	0.194	ND	19	16.3	7.75	37.1	57.5	17	3.59	11.9	2.67	2.99	1.41	0.761	0.54
Aroclor 1260	11096-82-5	~	~	ND	ND	ND	ND	ND	ND	3.94	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1336-36-3	1	50	0.0551	0.194	ND	19	16.3	7.75	41	57.5	17	3.59	11.9	2.67	2.99	1.41	0.761	0.54

Notes:
bgs = below ground surface
bbl = below basement level
ND = analyte not detected at or above the level indicated
~ = no regulatory limit
= NYSDEC Restricted Residential Use Criteria Exceeded
= EPA TSCA Hazadours Soil Criteria Exceeded

Table 5
Waste Classification Additional PCB Delineation Soil Sample Analytical Results Summary
131-10 to 131-18 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Date Sampling Depth Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives	EPA TSCA PCBs Hazarouds Waste Criteria	WC-3-314 3/26/2018 0 ft bgs Soil	WC-3-364 3/26/2018 0 ft bgs Soil	WC-3-315 3/26/2018 0 ft bgs Soil	WC-3-316 3/26/2018 0 ft bgs Soil	WC-3-317 3/26/2018 0 ft bgs Soil	WC-3-502 5/11/2018 3 ft bgs Soil	WC-3-503 5/11/2018 3 ft bgs Soil	WC-3-504 5/11/2018 3 ft bgs Soil	WC-3-505 5/11/2018 3 ft bgs Soil	WC-3-506 5/11/2018 3 ft bgs Soil	WC-3-507 5/11/2018 3 ft bgs Soil	WC-3-508 5/11/2018 3 ft bgs Soil	WC-3-509 5/11/2018 3 ft bgs Soil	WC-3-510 5/11/2018 3 ft bgs Soil	WC-3-560 5/11/2018 3 ft bgs Soil	WC-3-511 5/11/2018 3 ft bgs Soil
Compound	**CAS Number**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Polychlorinated Biphenyls (PCB)																			
Aroclor 1016	12674-11-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	~	0.456	0.372	23	17.4	3.01	0.664	4.78	1.83	0.0495	20.3	15.2	26.8	0.783	12.1	13.6	13.2
Aroclor 1260	11096-82-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0402	ND	ND	ND
Total PCBs	1336-36-3	1	50	0.456	0.372	23	17.4	3.01	0.664	4.78	1.83	0.0495	20.3	15.2	26.8	0.823	12.1	13.6	13.2

Notes:
bgs = below ground surface
bbl = below basement level
ND = analyte not detected at or above the level indicated
~ = no regulatory limit
= NYSDEC Restricted Residential Use Criteria Exceed
= EPA TSCA Hazadours Soil Criteria Exceeded

Table 5
Waste Classification Additional PCB Delineation Soil Sample Analytical Results Summary
131-10 to 131-18 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Date Sampling Depth Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives	EPA TSCA PCBs Hazarouds Waste Criteria	WC-3-512 5/11/2018 3 ft bgs Soil	WC-3-513 5/11/2018 3 ft bgs Soil	WC-3-514 5/18/2018 3 ft bgs Soil	WC-3-515 3/26/2018 3 ft bgs Soil	WC-3-516 5/15/2018 3 ft bgs Soil	WC-3-518 5/15/2018 3 ft bgs Soil	WC-3-519 3/29/2019 3 ft bgs Soil	WC-3-520 3/29/2019 3 ft bgs Soil	WC-3-521 3/29/2019 3 ft bgs Soil	WC-3-801 6/4/2019 5 ft bgs Soil	WC-3-802 6/4/2019 5 ft bgs Soil	WC-3-803 6/4/2019 5 ft bgs Soil	WC-3-804 6/4/2019 5 ft bgs Soil	WC-3-805 6/4/2019 5 ft bgs Soil	WC-3-806 6/4/2019 5 ft bgs Soil	WC-3-807 6/4/2019 5 ft bgs Soil
Compound	**CAS Number**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Polychlorinated Biphenyls (PCB)																			
Aroclor 1016	12674-11-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	~	5.44	10.2	1070	0.0855	ND	ND	38.4	14.1	5.9	4.86	0.101	51	3.85	29.8	4.15	1.08
Aroclor 1260	11096-82-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1336-36-3	1	50	5.44	10.2	1070	0.0855	ND	ND	38.4	14.1	5.9	4.86	0.101	51	3.85	29.8	4.15	1.08

Notes:
bgs = below ground surface
bbl = below basement level
ND = analyte not detected at or above the level indicated
~ = no regulatory limit
= NYSDEC Restricted Residential Use Criteria Exceed
= EPA TSCA Hazadours Soil Criteria Exceeded

Table 5
Waste Classification Additional PCB Delineation Soil Sample Analytical Results Summary
131-10 to 131-18 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Date Sampling Depth Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives	EPA TSCA PCBs Hazarouds Waste Criteria	WC-3-808 6/4/2019 5 ft bgs Soil	WC-3-809 6/4/2019 5 ft bgs Soil	WC-3-810 6/4/2019 5 ft bgs Soil	WC-3-1005 6/6/2019 8 ft bgs Soil	WC-3-1503 6/17/2019 10 ft bgs Soil	WC-4-301 10/1/2019 0 ft bbl Soil	WC-4-302 10/29/2019 0 ft bbl Soil	WC-4-303 10/2/2019 0 ft bbl Soil	WC-4-304 10/2/2019 0 ft bbl Soil	WC-4-305 3/27/2018 0 ft bbl Soil	WC-4-501 10/10/2019 3 ft bbl Soil	WC-5-301 3/27/2018 0 ft bbl Soil	WC-5-302 3/27/2018 0 ft bbl Soil	WC-5-303 3/27/2018 0 ft bbl Soil	WC-5-304 3/27/2018 0 ft bbl Soil
Compound	**CAS Number**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Polychlorinated Biphenyls (PCB)																		
Aroclor 1016	12674-11-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	~	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	~	~	ND	ND	ND	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	~	3.46	0.023 J	0.0185 J	5.98	0.106	0.0292 J	0.867	11.8	0.252	7.46	3.68	3.21	0.482	3.82	4.17
Aroclor 1260	11096-82-5	~	~	ND	0.0141 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1336-36-3	1	50	3.46	0.046 J	0.0185 J	10.2	0.106	0.0292 J	0.867	11.8	0.252	7.46	3.68	3.21	0.482	3.82	4.17

Notes:
bgs = below ground surface
bbl = below basement level
ND = analyte not detected at or above the level indicated
~ = no regulatory limit
= NYSDEC Restricted Residential Use Criteria Exceed
= EPA TSCA Hazadours Soil Criteria Exceeded

Table 5
Waste Classification Additional PCB Delineation Soil Sample Analytical Results Summary
131-10 to 131-18 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Date Sampling Depth Client Matrix		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives	EPA TSCA PCBs Hazarouds Waste Criteria	WC-5-354 3/27/2018 0 ft bbl Soil	WC-5-305 3/27/2018 0 ft bbl Soil	WC-5-306 3/27/2018 0 ft bbl Soil	WC-5-501 8/29/2019 3 ft bbl Soil	WC-5-502 9/9/2019 3 ft bbl Soil	WC-5-503 9/6/2019 3 ft bbl Soil	WC-5-505 3/27/2018 3 ft bbl Soil
Compound	**CAS Number**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Polychlorinated Biphenyls (PCB)										
Aroclor 1016	12674-11-2	~	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	~	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	~	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	~	~	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	~	6	7.75	2.84	4.89	26	22	3.27
Aroclor 1260	11096-82-5	~	~	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1336-36-3	1	50	6	7.75	2.84	4.89	26	22	3.27

Notes:
bgs = below ground surface
bbl = below basement level
ND = analyte not detected at or above the level indicated
~ = no regulatory limit
= NYSDEC Restricted Residential Use Criteria Exceed
= EPA TSCA Hazadours Soil Criteria Exceeded

Table 6
Waste Classification Additional PCBs Composite Soil Sample Analytical Results Summary
131-10 to 131-18 Avery Avenue, Flushing, New York
Project No. 17116

Sample ID Sample Date Client Matrix		NYSDEC Part 375 RUSCO - Residential	EPA Hazardous Waste Limits	WC-3-C-1020 6/20/2019 Soil	WC-4-5 11/19/2019 Soil	WC-4-C-LD 5/29/2019 Soil	WC-4-C-LD-512 10/1/2019 Soil	WC-4-LG 8/8/2019 Soil	WC-5-EPIT-9 9/26/2019 Soil
Compound	**CAS Number**	mg/kg	mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Polychlorinated Biphenyls (PCB)									
Aroclor 1016	12674-11-2	~	~	ND	ND	ND	ND	ND	ND
Aroclor 1221	11104-28-2	~	~	ND	ND	ND	ND	ND	ND
Aroclor 1232	11141-16-5	~	~	ND	ND	ND	ND	ND	ND
Aroclor 1242	53469-21-9	~	~	ND	ND	ND	ND	ND	ND
Aroclor 1248	12672-29-6	~	~	ND	ND	ND	ND	ND	ND
Aroclor 1254	11097-69-1	~	~	ND	4.9	16.2	47.8	11.2	0.34
Aroclor 1260	11096-82-5	~	~	ND	ND	ND	ND	ND	ND
Total PCBs	1336-36-3	1	50	ND	4.9	16.2	47.8	11.2	0.34

Notes:
ND = analyte not detected at or above the level indicated
~ = no regulatory limit
= NYSDEC Restricted Residential Use Criteria Exceeded
= EPA TSCA Hazadours Soil Criteria Exceeded

Table 7
End-point Soil Sample VOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-01 9/30/2019 Soil 18 bgs mg/kg	AEP-02 7/17/2019 Soil 18 bgs mg/kg	AEP-03 7/17/2019 Soil 18 bgs mg/kg	AEP-04 10/3/2019 Soil 18 bgs mg/kg	AEP-05 7/17/2019 Soil 18 bgs mg/kg	AEP-06 9/10/2019 Soil 18 bgs mg/kg	AEP-07 7/19/2019 Soil 18 bgs mg/kg	AEP-08 7/19/2019 Soil 18 bgs mg/kg	AEP-09 10/3/2019 Soil 18 bgs mg/kg	AEP-10 7/19/2019 Soil 18 bgs mg/kg	AEP-11 11/21/2019 Soil 18 bgs mg/kg
Volatile Organic Compounds (VOCs)												
Methylene chloride	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.37	ND	0.00025 J	ND	0.00021 J	ND	0.00024 J	0.00015 J	ND	0.00013 J	ND	ND
Carbon tetrachloride	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.3	0.0005 J	0.0021	0.00022 J	ND	ND	ND	0.0014	ND	0.00061	0.00072	0.00081
Chlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropene, Total	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	ND	ND	ND	ND	ND	ND	0.0011	0.00048 J	ND	0.00088 J	ND
Ethylbenzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.19	ND	0.00017 J	ND	ND	ND	ND	0.0002 J	ND	ND	ND	ND
Trichloroethene	0.47	0.0016	0.01	0.0021	0.0018	ND	0.00044 J	0.01	0.0024	0.00021 J	0.0028	0.001
1,2-Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	0.93	ND	0.0002 J	0.0002 J	ND	ND	ND	0.0004 J	ND	ND	0.00023 J	ND
p/m-Xylene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.25	0.00029 J	0.0033	0.00086 J	ND	ND	ND	0.0036	0.00053 J	ND	0.00057 J	0.0012

Table 7
End-point Soil Sample VOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-01 9/30/2019 Soil 18 bgs mg/kg	AEP-02 7/17/2019 Soil 18 bgs mg/kg	AEP-03 7/17/2019 Soil 18 bgs mg/kg	AEP-04 10/3/2019 Soil 18 bgs mg/kg	AEP-05 7/17/2019 Soil 18 bgs mg/kg	AEP-06 9/10/2019 Soil 18 bgs mg/kg	AEP-07 7/19/2019 Soil 18 bgs mg/kg	AEP-08 7/19/2019 Soil 18 bgs mg/kg	AEP-09 10/3/2019 Soil 18 bgs mg/kg	AEP-10 7/19/2019 Soil 18 bgs mg/kg	AEP-11 11/21/2019 Soil 18 bgs mg/kg
Volatile Organic Compounds (VOCs)												
1,2-Dichloroethene, Total	~	0.00029 J	0.0035 J	0.00086 J	ND	ND	ND	0.0038 J	0.00053 J	ND	0.00057 J	0.0012
Dibromomethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.05	0.051	0.037	0.027	0.058	0.14	0.035	0.0092 J	0.0062 J	0.056	0.0066 J	ND
Carbon disulfide	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	ND	ND	ND	ND	0.004 J	ND	ND	ND	ND	ND	ND
Vinyl acetate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Ethyltoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 7
End-point Soil Sample VOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-01 9/30/2019 Soil 18 bgs mg/kg	AEP-02 7/17/2019 Soil 18 bgs mg/kg	AEP-03 7/17/2019 Soil 18 bgs mg/kg	AEP-04 10/3/2019 Soil 18 bgs mg/kg	AEP-05 7/17/2019 Soil 18 bgs mg/kg	AEP-06 9/10/2019 Soil 18 bgs mg/kg	AEP-07 7/19/2019 Soil 18 bgs mg/kg	AEP-08 7/19/2019 Soil 18 bgs mg/kg	AEP-09 10/3/2019 Soil 18 bgs mg/kg	AEP-10 7/19/2019 Soil 18 bgs mg/kg	AEP-11 11/21/2019 Soil 18 bgs mg/kg
Volatile Organic Compounds (VOCs)												
Ethyl ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	~	0.05368	0.05652	0.03124	0.06001	0.144	0.03568	0.02985	0.01014	0.05695	0.01237	0.00421

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 7
End-point Soil Sample VOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-12 7/19/2019 Soil 18 bgs mg/kg	AEP-13 7/19/2019 Soil 18 bgs mg/kg	AEP-14 11/22/2019 Soil 18 bgs mg/kg	AEP-15 10/22/2019 Soil 18 bgs mg/kg	AEP-16 11/22/2019 Soil 18 bgs mg/kg	AEP-17 11/22/2019 Soil 18 bgs mg/kg	AEP-67 11/22/2019 Soil Duplicate 18 bgs mg/kg	AEP-18 11/19/2019 Soil 18 bgs mg/kg	AEP-19 11/11/2019 Soil 18 bgs mg/kg	AEP-20 10/22/2019 Soil 18 bgs mg/kg
Volatile Organic Compounds (VOCs)											
Methylene chloride	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.37	0.00014 J	ND	ND	0.00008 J	ND	ND	ND	ND	0.00018 J	0.00008 J
Carbon tetrachloride	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.3	0.00085	0.0011	0.00083	ND	0.00089	0.00047	0.0018	0.00065	0.00044 J	ND
Chlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropene, Total	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	ND	0.00097 J	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.19	0.00023 J	ND	ND	ND	ND	ND	ND	0.00018 J	ND	ND
Trichloroethene	0.47	0.0033	0.0019	0.00038 J	ND	0.0014	0.0013	0.00099	0.0032	0.001	ND
1,2-Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p/m-Xylene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.25	0.0016	0.00054 J	0.00018 J	ND	0.00084 J	0.0007 J	0.00048 J	0.0027	0.00085 J	ND

Table 7
End-point Soil Sample VOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-12 7/19/2019 Soil 18 bgs mg/kg	AEP-13 7/19/2019 Soil 18 bgs mg/kg	AEP-14 11/22/2019 Soil 18 bgs mg/kg	AEP-15 10/22/2019 Soil 18 bgs mg/kg	AEP-16 11/22/2019 Soil 18 bgs mg/kg	AEP-17 11/22/2019 Soil 18 bgs mg/kg	AEP-67 11/22/2019 Soil Duplicate 18 bgs mg/kg	AEP-18 11/19/2019 Soil 18 bgs mg/kg	AEP-19 11/11/2019 Soil 18 bgs mg/kg	AEP-20 10/22/2019 Soil 18 bgs mg/kg
Volatile Organic Compounds (VOCs)											
1,2-Dichloroethene, Total	~	0.0018 J	0.00054 J	0.00018 J	ND	0.00084 J	0.0007 J	0.00048 J	0.0029 J	0.00085 J	ND
Dibromomethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.05	0.0054 J	ND	0.029	0.012	ND	ND	ND	0.01	0.016	0.073
Carbon disulfide	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0016 J
Vinyl acetate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	~	ND	ND	ND	ND	ND	ND	ND	0.00021 J	ND	ND
p-Ethyltoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 7
End-point Soil Sample VOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-12 7/19/2019 Soil 18 bgs mg/kg	AEP-13 7/19/2019 Soil 18 bgs mg/kg	AEP-14 11/22/2019 Soil 18 bgs mg/kg	AEP-15 10/22/2019 Soil 18 bgs mg/kg	AEP-16 11/22/2019 Soil 18 bgs mg/kg	AEP-17 11/22/2019 Soil 18 bgs mg/kg	AEP-67 11/22/2019 Soil Duplicate 18 bgs mg/kg	AEP-18 11/19/2019 Soil 18 bgs mg/kg	AEP-19 11/11/2019 Soil 18 bgs mg/kg	AEP-20 10/22/2019 Soil 18 bgs mg/kg
Volatile Organic Compounds (VOCs)											
Ethyl ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	~	0.01332	0.00505	0.03057	0.01208	0.00397	0.00317	0.01984	0.01932	0.07468	0.01254

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 7
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131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-21 10/30/2019 Soil 18 bgs mg/kg	AEP-22 11/14/2019 Soil 18 bgs mg/kg	AEP-23 11/13/2019 Soil 18 bgs mg/kg	AEP-24 10/25/2019 Soil 18 bgs mg/kg	AEP-25 11/4/2019 Soil 18 bgs mg/kg	AEP-26 10/17/2019 Soil 18 bgs mg/kg	AEP-27 10/17/2019 Soil 18 bgs mg/kg	AEP-77 10/17/2019 Soil Duplicate 18 bgs mg/kg	AEP-28 10/17/2019 Soil 18 bgs mg/kg	AEP-29 10/17/2019 Soil 18 bgs mg/kg
Volatile Organic Compounds (VOCs)											
Methylene chloride	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.27	ND	ND	ND	ND	ND	ND	0.00078 J	0.0002 J	ND	ND
Chloroform	0.37	ND	ND	ND	ND	ND	0.00018 J	ND	ND	0.00009 J	0.00007 J
Carbon tetrachloride	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.3	0.0002 J	0.00035 J	0.00029 J	ND	ND	ND	ND	ND	ND	0.00012 J
Chlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropene, Total	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	~	ND	ND	0.0012 J	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.47	0.00054	0.00054	0.00054	0.00022 J	ND	0.00038 J	0.00055	0.00098	0.00014 J	0.00027
1,2-Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	0.93	ND	ND	ND	0.00026 J	0.00017 J	ND	ND	0.00031 J	ND	ND
p/m-Xylene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.25	0.0004 J	0.0004 J	0.0004 J	ND	0.00019 J	0.00061 J	0.00082 J	0.0008 J	ND	0.0004

Table 7
End-point Soil Sample VOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-21 10/30/2019 Soil 18 bgs mg/kg	AEP-22 11/14/2019 Soil 18 bgs mg/kg	AEP-23 11/13/2019 Soil 18 bgs mg/kg	AEP-24 10/25/2019 Soil 18 bgs mg/kg	AEP-25 11/4/2019 Soil 18 bgs mg/kg	AEP-26 10/17/2019 Soil 18 bgs mg/kg	AEP-27 10/17/2019 Soil 18 bgs mg/kg	AEP-77 10/17/2019 Soil Duplicate 18 bgs mg/kg	AEP-28 10/17/2019 Soil 18 bgs mg/kg	AEP-29 10/17/2019 Soil 18 bgs mg/kg
Volatile Organic Compounds (VOCs)											
1,2-Dichloroethene, Total	~	0.0004 J	0.0004 J	0.0004 J	ND	0.00019 J	0.00061 J	0.00082 J	0.0008 J	ND	0.0004
Dibromomethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.05	0.011	ND	0.12	0.2	0.017	0.023	0.026	0.1	0.012	0.024
Carbon disulfide	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Ethyltoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 7
End-point Soil Sample VOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-21 10/30/2019 Soil 18 bgs mg/kg	AEP-22 11/14/2019 Soil 18 bgs mg/kg	AEP-23 11/13/2019 Soil 18 bgs mg/kg	AEP-24 10/25/2019 Soil 18 bgs mg/kg	AEP-25 11/4/2019 Soil 18 bgs mg/kg	AEP-26 10/17/2019 Soil 18 bgs mg/kg	AEP-27 10/17/2019 Soil 18 bgs mg/kg	AEP-77 10/17/2019 Soil Duplicate 18 bgs mg/kg	AEP-28 10/17/2019 Soil 18 bgs mg/kg	AEP-29 10/17/2019 Soil 18 bgs mg/kg
Volatile Organic Compounds (VOCs)											
Ethyl ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	~	0.00169	0.12283	0.20048	0.01755	0.02478	0.02897	0.01223	0.02526	0.10123	0.02318

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 7
End-point Soil Sample VOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-30 10/18/2019 Soil 18 bgs mg/kg	AEP-31 10/17/2019 Soil 18 bgs mg/kg	AEP-32 10/17/2019 Soil 18 bgs mg/kg	AEP-33 10/18/2019 Soil 18 bgs mg/kg	AEP-34 10/17/2019 Soil 18 bgs mg/kg	AEP-35 10/18/2019 Soil 18 bgs mg/kg	AEP-36 10/18/2019 Soil 18 bgs mg/kg	AEP-37 10/17/2019 Soil 18 bgs mg/kg	AEP-38 10/17/2019 Soil 18 bgs mg/kg
Volatile Organic Compounds (VOCs)										
Methylene chloride	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.37	ND	0.00011 J	0.0001 J	ND	ND	ND	0.00027 J	ND	0.00015 J
Carbon tetrachloride	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.3	ND	0.00015 J	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropene, Total	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	ND	ND	ND	ND	ND	ND	0.00036 J	ND	ND
Toluene	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	ND	ND	ND	ND	ND	ND	0.00027 J	ND	ND
Chloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.02	0.00069 J	ND	ND	0.00037 J	0.00057 J	0.00031 J	ND	ND	0.00056 J
Chloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.19	0.00017 J	ND	ND	0.00019 J	ND	ND	ND	ND	ND
Trichloroethene	0.47	0.00037 J	0.00046	0.00032	ND	0.00021 J	0.0012	0.0006	0.00017 J	0.0012
1,2-Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	0.93	0.0002 J	ND	0.00013 J	ND	0.00016 J	0.00026 J	0.00034 J	ND	ND
p/m-Xylene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	~	ND	ND	ND	ND	ND	ND	0.00054 J	ND	ND
Xylenes, Total	0.26	ND	ND	ND	ND	ND	ND	0.00054 J	ND	ND
cis-1,2-Dichloroethene	0.25	0.0023	0.00023 J	0.00047 J	0.0017	0.0011	0.00091	0.00043 J	0.00053 J	0.0028

Table 7
End-point Soil Sample VOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-30 10/18/2019 Soil 18 bgs mg/kg	AEP-31 10/17/2019 Soil 18 bgs mg/kg	AEP-32 10/17/2019 Soil 18 bgs mg/kg	AEP-33 10/18/2019 Soil 18 bgs mg/kg	AEP-34 10/17/2019 Soil 18 bgs mg/kg	AEP-35 10/18/2019 Soil 18 bgs mg/kg	AEP-36 10/18/2019 Soil 18 bgs mg/kg	AEP-37 10/17/2019 Soil 18 bgs mg/kg	AEP-38 10/17/2019 Soil 18 bgs mg/kg
Volatile Organic Compounds (VOCs)										
1,2-Dichloroethene, Total	~	0.0025 J	0.00023 J	0.00047 J	0.0019 J	0.0011	0.00091	0.00043 J	0.00053 J	0.0028
Dibromomethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.05	0.095	0.022	0.079	0.048	0.08	0.089	0.18	0.14	0.13
Carbon disulfide	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.12	ND	ND	ND	ND	0.0064 J	0.0073 J	0.031	0.0018 J	ND
Vinyl acetate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12	ND	ND	ND	ND	ND	ND	0.00028 J	ND	ND
sec-Butylbenzene	11	ND	ND	ND	ND	ND	ND	0.0049	ND	ND
tert-Butylbenzene	5.9	ND	ND	ND	ND	0.00015 J	0.00022 J	0.0015 J	ND	ND
o-Chlorotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	~	ND	ND	ND	ND	ND	ND	0.0015	ND	ND
p-Isopropyltoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	0.00012 J
Naphthalene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3.9	ND	ND	ND	ND	ND	ND	0.00054 J	ND	ND
1,2,3-Trichlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	ND	ND	ND	ND	ND	ND	0.0004 J	ND	ND
1,4-Dioxane	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	~	ND	ND	ND	ND	ND	ND	0.00086 J	ND	ND
p-Ethyltoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	~	ND	ND	ND	ND	ND	ND	0.009	ND	ND

Table 7
End-point Soil Sample VOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-30 10/18/2019 Soil 18 bgs mg/kg	AEP-31 10/17/2019 Soil 18 bgs mg/kg	AEP-32 10/17/2019 Soil 18 bgs mg/kg	AEP-33 10/18/2019 Soil 18 bgs mg/kg	AEP-34 10/17/2019 Soil 18 bgs mg/kg	AEP-35 10/18/2019 Soil 18 bgs mg/kg	AEP-36 10/18/2019 Soil 18 bgs mg/kg	AEP-37 10/17/2019 Soil 18 bgs mg/kg	AEP-38 10/17/2019 Soil 18 bgs mg/kg
Volatile Organic Compounds (VOCs)										
Ethyl ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	~	0.08049	0.05216	0.08969	0.10011	0.23376	0.14303	0.13763	0.00375	0.10309

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 8
End-point Soil Sample SVOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID	Part 375	AEP-01	AEP-02	AEP-03	AEP-04	AEP-05	AEP-06	AEP-07	AEP-08	AEP-09	AEP-10	AEP-11	AEP-12
Date Sampled	Unrestricted Use	9/30/2019	7/17/2019	7/17/2019	10/3/2019	7/17/2019	9/10/2019	7/19/2019	7/19/2019	10/3/2019	7/19/2019	11/21/2019	7/19/2019
Matrix	SCO	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Depth (ft)	Criteria	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Semivolatile Organic Compounds (SVOCs)													
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	ND	0.072 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NDPA/DPA	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 8
End-point Soil Sample SVOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID	Part 375	AEP-01	AEP-02	AEP-03	AEP-04	AEP-05	AEP-06	AEP-07	AEP-08	AEP-09	AEP-10	AEP-11	AEP-12
Date Sampled	Unrestricted Use	9/30/2019	7/17/2019	7/17/2019	10/3/2019	7/17/2019	9/10/2019	7/19/2019	7/19/2019	10/3/2019	7/19/2019	11/21/2019	7/19/2019
Matrix	SCO	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Depth (ft)	Criteria	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Semivolatile Organic Compounds (SVOCs)													
Benzo(k)fluoranthene	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chloro-m-cresol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 8
End-point Soil Sample SVOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID	Part 375	AEP-01	AEP-02	AEP-03	AEP-04	AEP-05	AEP-06	AEP-07	AEP-08	AEP-09	AEP-10	AEP-11	AEP-12
Date Sampled	Unrestricted Use	9/30/2019	7/17/2019	7/17/2019	10/3/2019	7/17/2019	9/10/2019	7/19/2019	7/19/2019	10/3/2019	7/19/2019	11/21/2019	7/19/2019
Matrix	SCO	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Depth (ft)	Criteria	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Semivolatile Organic Compounds (SVOCs)													
Benzoic Acid	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	~	-	0.072	-	-	-	-	-	-	-	-	-	-

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 8
End-point Soil Sample SVOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID	Part 375	AEP-13	AEP-14	AEP-15	AEP-16	AEP-17	AEP-18	AEP-19	AEP-20	AEP-21	AEP-22	AEP-23
Date Sampled	Unrestricted Use	7/19/2019	11/22/2019	10/22/2019	11/22/2019	11/22/2019	11/19/2019	11/11/2019	10/22/2019	10/30/2019	11/14/2019	11/13/2019
Matrix	SCO	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Depth (ft)	Criteria	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Semivolatile Organic Compounds (SVOCs)												
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	ND	ND	ND	ND	ND	0.11	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	ND	ND	ND	ND	ND	0.69	ND	ND	ND	0.2	ND
Nitrobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NDPA/DPA	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	~	ND	ND	ND	ND	ND	0.093 J	ND	ND	ND	ND	ND
Butyl benzyl phthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1	ND	ND	ND	ND	ND	0.062 J	ND	ND	ND	ND	ND
Benzo(a)pyrene	1	ND	ND	ND	ND	ND	0.055 J	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1	ND	ND	ND	ND	ND	0.082 J	ND	ND	ND	ND	ND

Table 8
End-point Soil Sample SVOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID	Part 375	AEP-13	AEP-14	AEP-15	AEP-16	AEP-17	AEP-18	AEP-19	AEP-20	AEP-21	AEP-22	AEP-23
Date Sampled	Unrestricted Use	7/19/2019	11/22/2019	10/22/2019	11/22/2019	11/22/2019	11/19/2019	11/11/2019	10/22/2019	10/30/2019	11/14/2019	11/13/2019
Matrix	SCO	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Depth (ft)	Criteria	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Semivolatile Organic Compounds (SVOCs)												
Benzo(k)fluoranthene	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1	ND	ND	ND	ND	ND	0.053 J	ND	ND	ND	ND	ND
Acenaphthylene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	100	ND	ND	ND	ND	ND	0.056 J	ND	ND	ND	ND	ND
Fluorene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	ND	ND	ND	ND	ND	0.036 J	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.33	ND	ND	ND	ND	ND	0.024 J	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	ND	ND	ND	ND	ND	0.091 J	ND	ND	ND	ND	ND
Pyrene	100	ND	ND	ND	ND	ND	0.093 J	ND	ND	ND	ND	ND
Biphenyl	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	~	ND	ND	ND	ND	ND	0.086 J	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chloro-m-cresol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	0.33	ND	ND	ND	ND	ND	0.14 J	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 8
End-point Soil Sample SVOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID	Part 375	AEP-13	AEP-14	AEP-15	AEP-16	AEP-17	AEP-18	AEP-19	AEP-20	AEP-21	AEP-22	AEP-23
Date Sampled	Unrestricted Use	7/19/2019	11/22/2019	10/22/2019	11/22/2019	11/22/2019	11/19/2019	11/11/2019	10/22/2019	10/30/2019	11/14/2019	11/13/2019
Matrix	SCO	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Depth (ft)	Criteria	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Semivolatile Organic Compounds (SVOCs)												
Benzoic Acid	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	~	-	-	-	-	-	-	1.671	-	-	-	0.2

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 8
End-point Soil Sample SVOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID	Part 375	AEP-24	AEP-25	AEP-26	AEP-27	AEP-28	AEP-29	AEP-30	AEP-31	AEP-32	AEP-33	AEP-34
Date Sampled	Unrestricted Use	10/25/2019	11/4/2019	10/17/2019	10/17/2019	10/17/2019	10/17/2019	10/18/2019	10/17/2019	10/17/2019	10/18/2019	10/17/2019
Matrix	SCO	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Depth (ft)	Criteria	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Semivolatile Organic Compounds (SVOCs)												
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.046 J	0.053 J
4-Chlorophenyl phenyl ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.025 J	ND
Nitrobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NDPA/DPA	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.024 J	0.034 J
Benzo(a)pyrene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.044 J

Table 8
End-point Soil Sample SVOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID	Part 375	AEP-24	AEP-25	AEP-26	AEP-27	AEP-28	AEP-29	AEP-30	AEP-31	AEP-32	AEP-33	AEP-34
Date Sampled	Unrestricted Use	10/25/2019	11/4/2019	10/17/2019	10/17/2019	10/17/2019	10/17/2019	10/18/2019	10/17/2019	10/17/2019	10/18/2019	10/17/2019
Matrix	SCO	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Depth (ft)	Criteria	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Semivolatile Organic Compounds (SVOCs)												
Benzo(k)fluoranthene	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.022 J	0.03 J
Acenaphthylene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.022 J	0.028 J
Fluorene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.023 J	0.028 J
Dibenzo(a,h)anthracene	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.044 J	0.055 J
Biphenyl	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chloro-m-cresol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.047 J	ND
2-Methylphenol	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.047 J	0.038 J
2,4,5-Trichlorophenol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 8
End-point Soil Sample SVOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID	Part 375	AEP-24	AEP-25	AEP-26	AEP-27	AEP-28	AEP-29	AEP-30	AEP-31	AEP-32	AEP-33	AEP-34
Date Sampled	Unrestricted Use	10/25/2019	11/4/2019	10/17/2019	10/17/2019	10/17/2019	10/17/2019	10/18/2019	10/17/2019	10/17/2019	10/18/2019	10/17/2019
Matrix	SCO	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Depth (ft)	Criteria	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Semivolatile Organic Compounds (SVOCs)												
Benzoic Acid	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	~	-	-	-	-	-	-	-	-	-	0.3	0.31

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 8
End-point Soil Sample SVOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-35 10/18/2019 Soil 18 bgs mg/kg	AEP-36 10/18/2019 Soil 18 bgs mg/kg	PE-AEP-36-SVOC-3 10/22/2019 Soil 21 bgs mg/kg	AEP-37 10/17/2019 Soil 18 bgs mg/kg	AEP-38 10/17/2019 Soil 18 bgs mg/kg	AEP-67 11/22/2019 Soil Duplicate 18 bgs mg/kg	AEP-77 10/17/2019 Soil Duplicate 18 bgs mg/kg
Semivolatile Organic Compounds (SVOCs)								
Acenaphthene	20	ND	ND	NA	ND	ND	ND	ND
1,2,4-Trichlorobenzene	~	ND	ND	NA	ND	ND	ND	ND
Hexachlorobenzene	0.33	ND	ND	NA	ND	ND	ND	ND
Bis(2-chloroethyl)ether	~	ND	ND	NA	ND	ND	ND	ND
2-Chloronaphthalene	~	ND	0.051 J	NA	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	ND	ND	NA	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	ND	ND	NA	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	ND	ND	NA	ND	ND	ND	ND
3,3'-Dichlorobenzidine	~	ND	ND	NA	ND	ND	ND	ND
2,4-Dinitrotoluene	~	ND	ND	NA	ND	ND	ND	ND
2,6-Dinitrotoluene	~	ND	ND	NA	ND	ND	ND	ND
Fluoranthene	100	ND	2.4	NA	0.067 J	0.025 J	ND	ND
4-Chlorophenyl phenyl ether	~	ND	ND	NA	ND	ND	ND	ND
4-Bromophenyl phenyl ether	~	ND	ND	NA	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	~	ND	ND	NA	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	~	ND	ND	NA	ND	ND	ND	ND
Hexachlorobutadiene	~	ND	ND	NA	ND	ND	ND	ND
Hexachlorocyclopentadiene	~	ND	ND	NA	ND	ND	ND	ND
Hexachloroethane	~	ND	ND	NA	ND	ND	ND	ND
Isophorone	~	ND	ND	NA	ND	ND	ND	ND
Naphthalene	12	ND	0.25	NA	ND	ND	ND	ND
Nitrobenzene	~	ND	ND	NA	ND	ND	ND	ND
NDPA/DPA	~	ND	ND	NA	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	~	ND	ND	NA	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	~	ND	ND	NA	ND	ND	ND	ND
Butyl benzyl phthalate	~	ND	ND	NA	ND	ND	ND	ND
Di-n-butylphthalate	~	ND	ND	NA	ND	ND	ND	ND
Di-n-octylphthalate	~	ND	ND	NA	ND	ND	ND	ND
Diethyl phthalate	~	ND	ND	NA	ND	ND	ND	ND
Dimethyl phthalate	~	ND	ND	NA	ND	ND	ND	ND
Benzo(a)anthracene	1	ND	NA	ND	0.05 J	ND	ND	ND
Benzo(a)pyrene	1	ND	NA	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1	ND	NA	0.058 J	0.055 J	ND	ND	ND

Table 8
End-point Soil Sample SVOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-35 10/18/2019 Soil 18 bgs mg/kg	AEP-36 10/18/2019 Soil 18 bgs mg/kg	PE-AEP-36-SVOC-3 10/22/2019 Soil 21 bgs mg/kg	AEP-37 10/17/2019 Soil 18 bgs mg/kg	AEP-38 10/17/2019 Soil 18 bgs mg/kg	AEP-67 11/22/2019 Soil Duplicate 18 bgs mg/kg	AEP-77 10/17/2019 Soil Duplicate 18 bgs mg/kg
Semivolatile Organic Compounds (SVOCs)								
Benzo(k)fluoranthene	0.8	ND	NA	ND	ND	ND	ND	ND
Chrysene	1	ND	NA	ND	0.041 J	ND	ND	ND
Acenaphthylene	100	ND	ND	NA	ND	ND	ND	ND
Anthracene	100	ND	0.08 J	NA	ND	ND	ND	ND
Benzo(ghi)perylene	100	ND	2	NA	0.042 J	ND	ND	ND
Fluorene	30	ND	0.035 J	NA	ND	ND	ND	ND
Phenanthrene	100	ND	0.23	NA	0.034 J	ND	ND	ND
Dibenzo(a,h)anthracene	0.33	ND	NA	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	ND	NA	0.032 J	0.038 J	ND	ND	ND
Pyrene	100	ND	2	NA	0.067 J	0.025 J	ND	ND
Biphenyl	~	ND	ND	NA	ND	ND	ND	ND
4-Chloroaniline	~	ND	ND	NA	ND	ND	ND	ND
2-Nitroaniline	~	ND	ND	NA	ND	ND	ND	ND
3-Nitroaniline	~	ND	ND	NA	ND	ND	ND	ND
4-Nitroaniline	~	ND	ND	NA	ND	ND	ND	ND
Dibenzofuran	7	ND	0.045 J	NA	ND	ND	ND	ND
2-Methylnaphthalene	~	ND	0.072 J	NA	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	~	ND	ND	NA	ND	ND	ND	ND
Acetophenone	~	ND	ND	NA	ND	ND	ND	ND
2,4,6-Trichlorophenol	~	ND	ND	NA	ND	ND	ND	ND
p-Chloro-m-cresol	~	ND	ND	NA	ND	ND	ND	ND
2-Chlorophenol	~	ND	ND	NA	ND	ND	ND	ND
2,4-Dichlorophenol	~	ND	ND	NA	ND	ND	ND	ND
2,4-Dimethylphenol	~	ND	ND	NA	ND	ND	ND	ND
2-Nitrophenol	~	ND	ND	NA	ND	ND	ND	ND
4-Nitrophenol	~	ND	ND	NA	ND	ND	ND	ND
2,4-Dinitrophenol	~	ND	ND	NA	ND	ND	ND	ND
4,6-Dinitro-o-cresol	~	ND	ND	NA	ND	ND	ND	ND
Pentachlorophenol	0.8	ND	ND	NA	ND	ND	ND	ND
Phenol	0.33	0.061 J	0.14 J	NA	ND	ND	ND	ND
2-Methylphenol	0.33	ND	ND	NA	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	0.33	0.06 J	0.18 J	NA	ND	ND	ND	ND
2,4,5-Trichlorophenol	~	ND	ND	NA	ND	ND	ND	ND

Table 8
End-point Soil Sample SVOCs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-35 10/18/2019 Soil 18 bgs mg/kg	AEP-36 10/18/2019 Soil 18 bgs mg/kg	PE-AEP-36-SVOC-3 10/22/2019 Soil 21 bgs mg/kg	AEP-37 10/17/2019 Soil 18 bgs mg/kg	AEP-38 10/17/2019 Soil 18 bgs mg/kg	AEP-67 11/22/2019 Soil Duplicate 18 bgs mg/kg	AEP-77 10/17/2019 Soil Duplicate 18 bgs mg/kg
Semivolatile Organic Compounds (SVOCs)								
Benzoic Acid	~	ND	ND	NA	ND	ND	ND	ND
Benzyl Alcohol	~	ND	ND	NA	ND	ND	ND	ND
Carbazole	~	ND	0.022 J	NA	ND	ND	ND	ND
1,4-Dioxane	0.1	ND	ND	NA	ND	ND	ND	ND
Total SVOCs	~	0.121	25.535	0.09	0.394	0.05	-	-

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 9
End-point Soil Sample Pesticides Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-01 9/30/2019 Soil 18 bgs mg/kg	AEP-02 7/17/2019 Soil 18 bgs mg/kg	AEP-03 7/17/2019 Soil 18 bgs mg/kg	AEP-04 10/3/2019 Soil 18 bgs mg/kg	AEP-05 7/17/2019 Soil 18 bgs mg/kg	PE-AEP-06-PESTICIDE-1 10/10/2019 Soil 19 bgs mg/kg	AEP-07 7/19/2019 Soil 18 bgs mg/kg	AEP-08 7/19/2019 Soil 18 bgs mg/kg	AEP-09 10/3/2019 Soil 18 bgs mg/kg	AEP-10 7/19/2019 Soil 18 bgs mg/kg	AEP-11 11/21/2019 Soil 18 bgs mg/kg	AEP-12 7/19/2019 Soil 18 bgs mg/kg
Pesticides													
Delta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lindane	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	0.036	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.042	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-Chlordane	0.094	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-Chlordane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
bgs = below ground surface
ND = the analyte was not detected

Table 9
End-point Soil Sample Pesticides Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID	Part 375	AEP-13	AEP-14	AEP-15	AEP-16	AEP-17	AEP-18	AEP-19	AEP-20	AEP-21	AEP-22	AEP-23	AEP-24
Date Sampled	Unrestricted Use	7/19/2019	11/22/2019	10/22/2019	11/22/2019	11/22/2019	11/19/2019	11/11/2019	10/22/2019	10/30/2019	11/14/2019	11/13/2019	10/25/2019
Matrix	SCO	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Depth (ft)	Criteria	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Pesticides													
Delta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lindane	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	0.036	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.042	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-Chlordane	0.094	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-Chlordane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
bgs = below ground surface
ND = the analyte was not detected

Table 9
End-point Soil Sample Pesticides Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID	Part 375	AEP-25	AEP-26	AEP-27	AEP-28	AEP-29	AEP-30	AEP-31	AEP-32	AEP-33	AEP-34	AEP-35	AEP-36
Date Sampled	Unrestricted Use	11/4/2019	10/17/2019	10/17/2019	10/17/2019	10/17/2019	10/18/2019	10/17/2019	10/17/2019	10/18/2019	10/17/2019	10/18/2019	10/18/2019
Matrix	SCO	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Depth (ft)	Criteria	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs	18 bgs
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Pesticides													
Delta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lindane	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	0.036	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.042	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-Chlordane	0.094	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-Chlordane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
bgs = below ground surface
ND = the analyte was not detected

Table 9
End-point Soil Sample Pesticides Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-37 10/17/2019 Soil 18 bgs mg/kg	AEP-38 10/17/2019 Soil 18 bgs mg/kg	AEP-67 11/22/2019 Soil Duplicate 18 bgs mg/kg	AEP-77 10/17/2019 Soil Duplicate 18 bgs mg/kg
Pesticides					
Delta-BHC	0.04	ND	ND	ND	ND
Lindane	0.1	ND	ND	ND	ND
Alpha-BHC	0.02	ND	ND	ND	ND
Beta-BHC	0.036	ND	ND	ND	ND
Heptachlor	0.042	ND	ND	ND	ND
Aldrin	0.005	ND	ND	ND	ND
Heptachlor epoxide	~	ND	ND	ND	ND
Endrin	0.014	ND	ND	ND	ND
Endrin aldehyde	~	ND	ND	ND	ND
Endrin ketone	~	ND	ND	ND	ND
Dieldrin	0.005	ND	ND	ND	ND
4,4'-DDE	0.0033	ND	ND	ND	ND
4,4'-DDD	0.0033	ND	ND	ND	ND
4,4'-DDT	0.0033	ND	ND	ND	ND
Endosulfan I	2.4	ND	ND	ND	ND
Endosulfan II	2.4	ND	ND	ND	ND
Endosulfan sulfate	2.4	ND	ND	ND	ND
Methoxychlor	~	ND	ND	ND	ND
Toxaphene	~	ND	ND	ND	ND
cis-Chlordane	0.094	ND	ND	ND	ND
trans-Chlordane	~	ND	ND	ND	ND
Chlordane	~	ND	ND	ND	ND

Notes:
bgs = below ground surface
ND = the analyte was not detected

Table 10
End-point Soil Sample PCBs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-01 9/30/2019 Soil 18 bgs mg/kg	AEP-02 7/17/2019 Soil 18 bgs mg/kg	AEP-03 7/17/2019 Soil 18 bgs mg/kg	AEP-04 10/3/2019 Soil 18 bgs mg/kg	AEP-05 7/17/2019 Soil 18 bgs mg/kg	AEP-06 9/10/2019 Soil 18 bgs mg/kg	AEP-07 7/19/2019 Soil 18 bgs mg/kg	AEP-08 7/19/2019 Soil 18 bgs mg/kg	AEP-09 10/3/2019 Soil 18 bgs mg/kg	AEP-10 7/19/2019 Soil 18 bgs mg/kg	AEP-11 11/21/2019 Soil 18 bgs mg/kg	AEP-12 7/19/2019 Soil 18 bgs mg/kg
Polychlorinated Biphenyls (PCBs)													
Aroclor 1016	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.1	0.0119 J	ND	ND	ND	ND	ND	ND	ND	0.0382 J	ND	ND	ND
Aroclor 1260	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Total	0.1	0.0119 J	ND	ND	ND	ND	ND	ND	ND	0.0382 J	ND	ND	ND

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 10
End-point Soil Sample PCBs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-13 7/19/2019 Soil 18 bgs mg/kg	AEP-14 11/22/2019 Soil 18 bgs mg/kg	AEP-15 10/22/2019 Soil 18 bgs mg/kg	AEP-16 11/22/2019 Soil 18 bgs mg/kg	AEP-17 11/22/2019 Soil 18 bgs mg/kg	AEP-67 11/22/2019 Soil Duplicate 18 bgs mg/kg	PE-AEP-18-PCB-2 11/21/2019 Soil 20 bgs mg/kg	PE-AEP-19-PCB-2 11/13/2019 Soil 20 bgs mg/kg	AEP-20 10/22/2019 Soil 18 bgs mg/kg
Polychlorinated Biphenyls (PCBs)										
Aroclor 1016	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Total	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 10
End-point Soil Sample PCBs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	PE-AEP-21-PCB-2 11/4/2019 Soil 20 bgs mg/kg	AEP-22 11/14/2019 Soil 18 bgs mg/kg	AEP-23 11/13/2019 Soil 18 bgs mg/kg	PE-AEP-24-PCB-2 10/28/2019 Soil 20 bgs mg/kg	AEP-25 11/4/2019 Soil 18 bgs mg/kg	PE-AEP-26-PCB-3 10/22/2019 Soil 21 bgs mg/kg	AEP-27 10/17/2019 Soil 18 bgs mg/kg	AEP-77 10/17/2019 Soil Duplicate 18 bgs mg/kg	AEP-28 10/17/2019 Soil 18 bgs mg/kg
Polychlorinated Biphenyls (PCBs)										
Aroclor 1016	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.1	0.0427	0.0657	ND	ND	0.00622 JP	0.0129 J	0.088	0.574	0.0126 J
Aroclor 1260	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Total	0.1	0.0427	0.0657	ND	ND	0.00622 J	0.0129 J	0.088	0.574	0.0126 J

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 10
End-point Soil Sample PCBs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	PE-AEP-29-PCB-2 10/22/2019 Soil 20 bgs mg/kg	PE-AEP-30-PCB-2 10/22/2019 Soil 20 bgs mg/kg	PE-AEP-31-PCB-3 10/21/2019 Soil 22 bgs mg/kg	PE-AEP-32-PCB-3 10/21/2019 Soil 21 bgs mg/kg	PE-AEP-33-PCB-7 1/30/2020 Soil 25 bgs mg/kg	PE-AEP-34-PCB-4 10/21/2019 Soil 22 bgs mg/kg
Polychlorinated Biphenyls (PCBs)							
Aroclor 1016	0.1	ND	ND	ND	ND	ND	ND
Aroclor 1221	0.1	ND	ND	ND	ND	ND	ND
Aroclor 1232	0.1	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.1	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.1	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.1	ND	ND	ND	ND	0.194	ND
Aroclor 1260	0.1	ND	ND	ND	ND	ND	ND
Aroclor 1262	0.1	ND	ND	ND	ND	ND	ND
Aroclor 1268	0.1	ND	ND	ND	ND	ND	ND
PCBs, Total	0.1	ND	ND	ND	ND	0.194	ND

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 10
End-point Soil Sample PCBs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	PE-AEP-35-PCB-7 1/30/2020 Soil 25 bgs mg/kg	PE-AEP-36-PCB-7 1/30/2020 Soil 25 bgs mg/kg	PE-AEP-37-PCB-7 1/30/2020 Soil 25 bgs mg/kg	PE-AEP-38-PCB-7 10/17/2019 Soil 25 bgs mg/kg
Polychlorinated Biphenyls (PCBs)					
Aroclor 1016	0.1	ND	ND	ND	ND
Aroclor 1221	0.1	ND	ND	ND	ND
Aroclor 1232	0.1	ND	ND	ND	ND
Aroclor 1242	0.1	ND	ND	ND	ND
Aroclor 1248	0.1	ND	ND	ND	ND
Aroclor 1254	0.1	0.087	ND	ND	0.0124 J
Aroclor 1260	0.1	ND	ND	ND	ND
Aroclor 1262	0.1	ND	ND	ND	ND
Aroclor 1268	0.1	ND	ND	ND	ND
PCBs, Total	0.1	0.087	ND	ND	0.0124 J

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 11
End-point Soil Sample Metals Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-01 9/30/2019 Soil 18 bgs mg/kg	AEP-02 7/17/2019 Soil 18 bgs mg/kg	AEP-03 7/17/2019 Soil 18 bgs mg/kg	AEP-04 10/3/2019 Soil 18 bgs mg/kg	AEP-05 7/17/2019 Soil 18 bgs mg/kg	AEP-06 9/10/2019 Soil 18 bgs mg/kg	AEP-07 7/19/2019 Soil 18 bgs mg/kg	AEP-08 7/19/2019 Soil 18 bgs mg/kg	AEP-09 10/3/2019 Soil 18 bgs mg/kg	AEP-10 7/19/2019 Soil 18 bgs mg/kg	AEP-11 11/21/2019 Soil 18 bgs mg/kg	AEP-12 7/19/2019 Soil 18 bgs mg/kg	AEP-13 7/19/2019 Soil 18 bgs mg/kg	AEP-14 11/22/2019 Soil 18 bgs mg/kg	AEP-15 10/22/2019 Soil 18 bgs mg/kg	AEP-16 11/22/2019 Soil 18 bgs mg/kg
Total Metals																	
Aluminum, Total	~	7190	4890	1840	2880	1290	4060	2930	4560	3600	3720	4010	5400	3790	6360	3580	7500
Antimony, Total	~	ND	ND	0.382 J	0.854 J	0.703 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, Total	13	ND	ND	ND	0.376 J	ND	0.971	0.869 J	1.4	0.998 J	1.24	1.28	1.49	1.02	2.14	0.729 J	1.78
Barium, Total	350	40	18.2	8.94	19.8	7.9	29.2	15.1	27.7	34	25.6	26.6	47.5	36.7	33.6	30	43.1
Beryllium, Total	7.2	0.328 J	0.205 J	0.298 J	0.102 J	0.091 J	0.15 J	0.082 J	0.217 J	0.175 J	0.164 J	0.182 J	0.166 J	0.104 J	0.391 J	0.155 J	0.223 J
Cadmium, Total	2.5	ND	ND	0.121 J	0.173 J	ND	ND	ND	0.16 J	0.226 J	0.241 J	ND	ND	ND	ND	0.185 J	ND
Calcium, Total	~	661	372	215	309	171	304	243	385	1430	282	298	402	260	260	280	478
Chromium, Total	~	24.6	14.6	7.98	9.84	5.12	10.3	8.48	12.9	11	10.3	10.4	19.4	7.7	27.8	8.71	22.5
Cobalt, Total	~	6.48	3.18	1.3 J	3.97	3.72	4.89	4.54	6.81	4.6	6.16	4.69	5.89	3.87	10.2	4.55	8.48
Copper, Total	50	8.63	5.7	5.9	6.04	2.96	9.19	5.72	9.68	7.26	8.64	7.2	8.73	6.97	14.7	6.1	11.7
Iron, Total	~	10800	6100	7800	6020	3120	9580	6360	11500	8780	10800	8840	9440	8590	19000	7490	20200
Lead, Total	63	2.84 J	1.97 J	1.23 J	1.78 J	1.35 J	1.81 J	2.2 J	3.76 J	2.5 J	4.08 J	2.08 J	3.76 J	2.29 J	2.65 J	1.77 J	2.99 J
Magnesium, Total	~	1960	800	394	1170	187	1140	901	1230	1560	1170	1260	2100	1020	1070	1350	2570
Manganese, Total	1600	175	78.9	71.2	125	128	150	99.5	228	198	391	194	184	243	301	187	171
Mercury, Total	0.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, Total	30	10.8	5.66	2.68	9.03	1.74 J	8.42	8.1	13.4	6.71	10.2	9.16	16.2	6	12.3	6.96	15
Potassium, Total	~	1940	542	306	807	176 J	1000	558	852	1310	941	872	1410	953	672	1160	2760
Selenium, Total	3.9	ND	ND	0.457 J	ND	ND	ND	0.293 J	ND	0.34 J	ND	ND	0.381 J	ND	ND	ND	ND
Silver, Total	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	~	53.9 J	40.4 J	15.8 J	63.4 J	16.2 J	31.3 J	33.6 J	27.1 J	102 J	23.2 J	72.1 J	35.9 J	58 J	111 J	32 J	72.8 J
Thallium, Total	~	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	~	31.7	17	18.7	10.4	9.42	14.2	8.94	18.2	13.4	13	11.1	14.2	11.8	31.6	11.1	27.7
Zinc, Total	109	22.4	11	6.28	16	6.36	14.7	10.8	18.3	16.7	15.7	15.6	18.9	12.6	17.1	21.8	29.4

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 11
End-point Soil Sample Metals Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-17 11/22/2019 Soil 18 bgs mg/kg	AEP-18 11/19/2019 Soil 18 bgs mg/kg	PE-AEP-18-METAL-2 11/21/2019 Soil 20 bgs mg/kg	AEP-19 11/11/2019 Soil 18 bgs mg/kg	AEP-20 10/22/2019 Soil 18 bgs mg/kg	AEP-21 10/30/2019 Soil 18 bgs mg/kg	AEP-22 11/14/2019 Soil 18 bgs mg/kg	AEP-23 11/13/2019 Soil 18 bgs mg/kg	AEP-24 10/25/2019 Soil 18 bgs mg/kg	AEP-25 11/4/2019 Soil 18 bgs mg/kg	AEP-26 10/17/2019 Soil 18 bgs mg/kg	AEP-27 10/17/2019 Soil 18 bgs mg/kg	AEP-28 10/17/2019 Soil 18 bgs mg/kg
Total Metals														
Aluminum, Total	~	4040	5670	NA	4020	3630	3620	4340	3120	2730	4350	3720	2920	4150
Antimony, Total	~	ND	0.798 J	NA	ND	0.466 J	ND	ND	ND	ND	ND	ND	ND	1.13 J
Arsenic, Total	13	0.911	3.26	NA	0.341 J	0.736 J	0.444 J	0.7 J	ND	1.04	1.03	0.959 J	1.01	1.44
Barium, Total	350	21.1	77.5	NA	32.1	27.9	31.9	41.4	20.3	24.7	38.3	25.6	14.1	24
Beryllium, Total	7.2	0.135 J	0.208 J	NA	0.12 J	0.179 J	0.045 J	0.145 J	0.126 J	0.102 J	ND	0.166 J	0.17 J	0.252 J
Cadmium, Total	2.5	ND	1.01	NA	ND	0.197 J	0.091 J	0.436 J	ND	ND	0.209 J	0.45 J	0.36 J	0.616 J
Calcium, Total	~	281	3480	NA	255	317	922	381	386	3980	424	516	326	663
Chromium, Total	~	10.5	14.1	NA	9.92	8.14	10.9	11	7.26	9.63	14.2	13.8	9.12	13.4
Cobalt, Total	~	4.2	5.43	NA	4.61	3.29	4.46	5.26	3.23	3.39	5.77	4.43	3.53	5.62
Copper, Total	50	6.63	29.3	NA	7.43	5.72	7.34	7.42	5.14	8.74	6.72	6.92	5.96	8.85
Iron, Total	~	7550	14200	NA	7360	8470	7840	9090	6800	7680	14100	8090	7210	13100
Lead, Total	63	1.87 J	NA	2.81	1.98 J	1.58 J	9.05	2.39 J	1.59 J	15.7	2.94 J	2.62 J	1.89 J	2.25 J
Magnesium, Total	~	1470	1510	NA	1530	1130	1150	1460	750	924	1510	1510	944	1240
Manganese, Total	1600	91.3	280	NA	227	158	246	320	198	173	420	72.7	82	189
Mercury, Total	0.18	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, Total	30	8.2	10.7	NA	6.75	6.06	8.18	7.03	4.7	7.7	9.02	9.44	7.04	9.78
Potassium, Total	~	1100	862	NA	1320	1040	925	1260	348	751	1200	1120	722	974
Selenium, Total	3.9	ND	0.599 J	NA	ND	ND	ND	ND	ND	ND	0.318 J	ND	ND	ND
Silver, Total	2	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	~	39.4 J	109 J	NA	128 J	45.8 J	71.6 J	65.7 J	56.2 J	82.3 J	66.7 J	75.4 J	73.1 J	44.2 J
Thallium, Total	~	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	~	10.4	17.6	NA	11.1	12.1	13.8	14.8	9.48	10.9	24.7	12.8	9.9	23.1
Zinc, Total	109	15.6	93.2	NA	16.7	13.1	21.8	17.4	10.6	23.9	19.1	18.1	12.6	17.7

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 11
End-point Soil Sample Metals Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	AEP-29 10/17/2019 Soil 18 bgs mg/kg	AEP-30 10/18/2019 Soil 18 bgs mg/kg	AEP-31 10/17/2019 Soil 18 bgs mg/kg	AEP-32 10/17/2019 Soil 18 bgs mg/kg	AEP-33 10/18/2019 Soil 18 bgs mg/kg	AEP-34 10/17/2019 Soil 18 bgs mg/kg	PE-AEP-34-METAL-4 10/21/2019 Soil 22 bgs mg/kg	AEP-35 10/18/2019 Soil 18 bgs mg/kg	AEP-36 10/18/2019 Soil 18 bgs mg/kg	PE-AEP-36-METAL-3 10/22/2019 Soil 21 bgs mg/kg	AEP-37 10/17/2019 Soil 18 bgs mg/kg
Total Metals												
Aluminum, Total	~	3550	7490	3930	4330	3300	9900	NA	3160	5950	NA	4600
Antimony, Total	~	ND	0.559 J	ND	0.469 J	0.358 J	1.34 J	NA	0.726 J	1.97 J	NA	0.964 J
Arsenic, Total	13	0.703 J	2.29	1.34	1.6	1.06	5.15	NA	1.55	4.61	NA	5.42
Barium, Total	350	21.9	45	30.2	26.9	23.8	NA	12.3	56.1	99.9	NA	78.9
Beryllium, Total	7.2	0.166 J	0.27 J	0.183 J	0.202 J	0.14 J	0.42 J	NA	0.142 J	0.25 J	NA	0.21 J
Cadmium, Total	2.5	0.371 J	ND	0.461 J	0.57 J	ND	1.45	NA	ND	ND	NA	0.955
Calcium, Total	~	566	980	3060	2140	589	4210	NA	3080	11900	NA	6120
Chromium, Total	~	9.53	16.6	11.9	12.7	11.8	26	NA	9.15	17.8	NA	14.8
Cobalt, Total	~	3.92	5.53	3.97	4.93	3.4	8.23	NA	3.51	5.36	NA	4.69
Copper, Total	50	6.78	11.2	9.79	9.27	7.9	48.5	NA	21.6	42.6	NA	39.3
Iron, Total	~	7420	14100	8520	11400	7860	23700	NA	9870	13900	NA	11700
Lead, Total	63	3.46 J	20.2	11.2	6.73	9.19	NA	2.79	57.1	NA	17.4	NA
Magnesium, Total	~	1060	1600	1160	1530	1100	2440	NA	1260	2000	NA	1400
Manganese, Total	1600	102	129	209	144	75.8	301	NA	139	197	NA	154
Mercury, Total	0.18	ND	ND	ND	ND	ND	0.148	NA	0.054 J	0.17	NA	NA
Nickel, Total	30	7.48	9.94	7.37	9.42	7.42	19.4	NA	7.62	11.9	NA	10.5
Potassium, Total	~	805	802	900	1110	858	1580	NA	555	973	NA	762
Selenium, Total	3.9	ND	ND	0.226 J	0.304 J	ND	0.553 J	NA	ND	ND	NA	0.334 J
Silver, Total	2	ND	ND	ND	ND	ND	ND	NA	ND	ND	NA	ND
Sodium, Total	~	72.3 J	57.5 J	61.9 J	85.4 J	64.2 J	166 J	NA	191	235	NA	209
Thallium, Total	~	ND	ND	ND	ND	ND	ND	NA	ND	ND	NA	ND
Vanadium, Total	~	10.8	21.1	12.4	16.1	12.6	29.1	NA	15.3	20.4	NA	16.4
Zinc, Total	109	14.9	38.6	31.8	35.2	23.3	NA	15.8	64.8	NA	26.2	NA

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
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NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 11
End-point Soil Sample Metals Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	PE-AEP-37-METAL-4 10/21/2019 Soil 22 bgs mg/kg	PE-AEP-37-METAL-7 1/30/2020 Soil 25 bgs mg/kg	AEP-38 10/17/2019 Soil 18 bgs mg/kg	PE-AEP-38-METAL-7 1/30/2020 Soil Duplicate 25 bgs mg/kg	AEP-67 11/22/2019 Soil Duplicate 18 bgs mg/kg	AEP-77 10/17/2019 Soil Duplicate 18 bgs mg/kg
Total Metals							
Aluminum, Total	~	NA	NA	5220	NA	4310	3350
Antimony, Total	~	NA	NA	0.773 J	NA	ND	ND
Arsenic, Total	13	NA	NA	4.14	NA	1.35	0.79 J
Barium, Total	350	NA	NA	61.9	NA	22.2	18.8
Beryllium, Total	7.2	NA	NA	0.258 J	NA	0.155 J	0.158 J
Cadmium, Total	2.5	NA	NA	0.783 J	NA	ND	0.326 J
Calcium, Total	~	NA	NA	1510	NA	363	358
Chromium, Total	~	NA	NA	16.4	NA	12.6	9.38
Cobalt, Total	~	NA	NA	5.19	NA	4.99	3.68
Copper, Total	50	NA	NA	24.7	NA	7.81	6.23
Iron, Total	~	NA	NA	12200	NA	9070	6640
Lead, Total	63	NA	2.54 J	NA	5.83	2.55 J	1.98 J
Magnesium, Total	~	NA	NA	1600	NA	1480	1090
Manganese, Total	1600	NA	NA	138	NA	120	77.2
Mercury, Total	0.18	NA	ND	0.148	NA	ND	ND
Nickel, Total	30	NA	NA	11.1	NA	8.83	6.96
Potassium, Total	~	NA	NA	955	NA	1030	778
Selenium, Total	3.9	NA	NA	ND	NA	ND	ND
Silver, Total	2	NA	NA	ND	NA	ND	ND
Sodium, Total	~	NA	NA	95.7 J	NA	53.7 J	73.5 J
Thallium, Total	~	NA	NA	ND	NA	ND	ND
Vanadium, Total	~	NA	NA	18.8	NA	13.1	9.34
Zinc, Total	109	77	NA	72.3	NA	16.1	12.9

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
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= exceedance of Unrestricted Use SCO

Table 12
Over-excavation End-Point Soil Sample PCBs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID	Part 375	PE-AEP-3033-3	PE-AEP-3233-4	PE-AEP-3431-PCB-4	PE-V-49-PCB-2	PE-V-60-PCB-3	PE-V-70-PCB-3	PE-V-71-PCB-2
Date Sampled	Unrestricted Use	10/24/2019	10/24/2019	10/23/2019	8/1/2019	10/25/2019	10/25/2019	10/22/2019
Matrix	SCO	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Depth (ft)	Criteria	21 bgs	22 bgs	22 bgs	20 bgs	21 bgs	21 bgs	20 bgs
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Polychlorinated Biphenyls (PCBs)								
Aroclor 1016	0.1	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	0.1	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	0.1	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.1	ND	ND	0.0128 J	ND	ND	ND	ND
Aroclor 1248	0.1	ND	0.0195 J	ND	ND	ND	ND	ND
Aroclor 1254	0.1	0.071	0.0222 J	ND	0.0273 J	0.00486 J	ND	ND
Aroclor 1260	0.1	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	0.1	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	0.1	ND	ND	ND	ND	ND	ND	ND
PCBs, Total	0.1	0.071	0.0417 J	0.0128 J	0.0273 J	0.00486 J	ND	ND

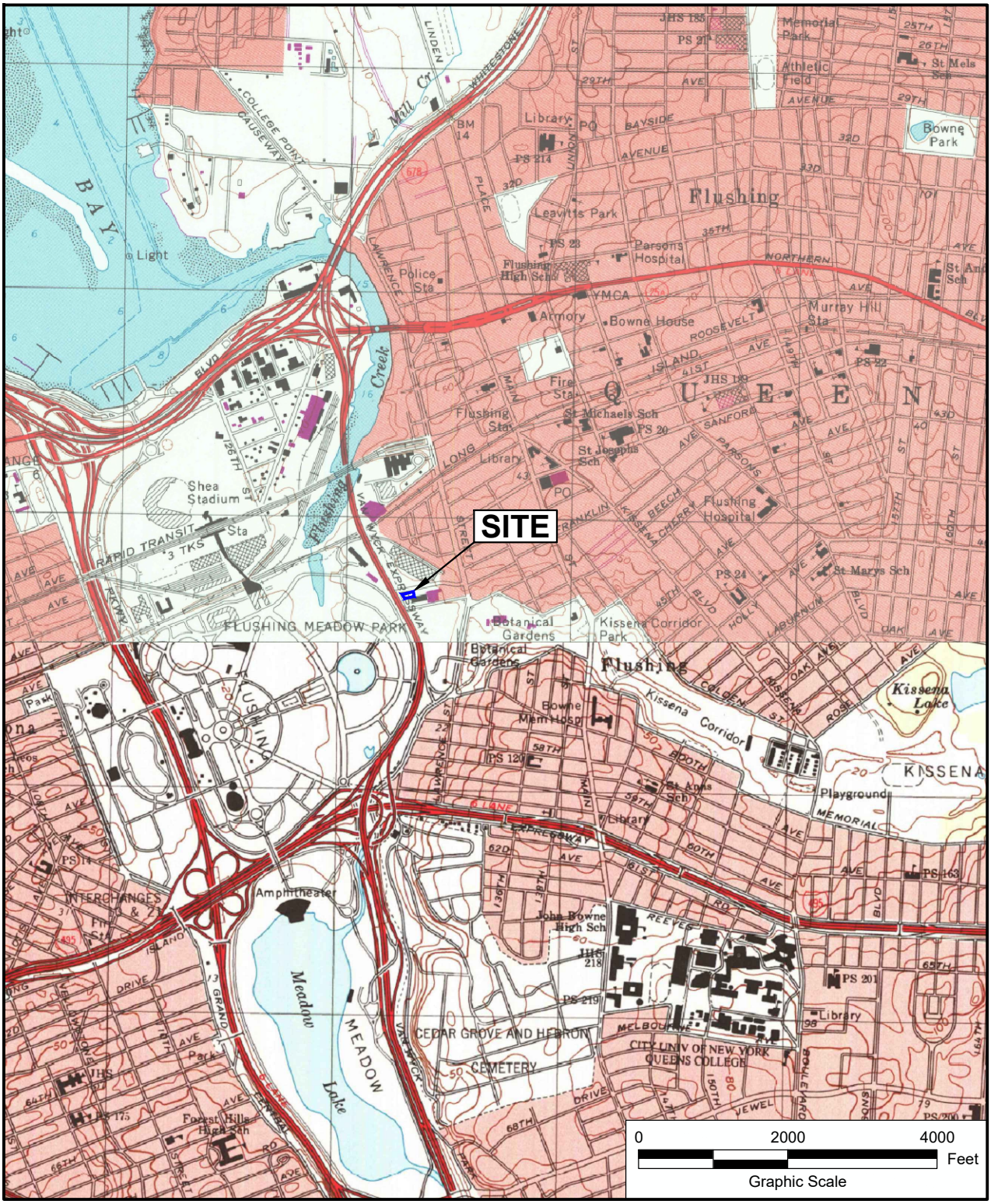
Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

Table 12
Over-excavation End-Point Soil Sample PCBs Analytical Results Summary
131-10 Avery Avenue
Flushing, NY 11355
Project No. 17116

Sample ID Date Sampled Matrix Depth (ft) Units	Part 375 Unrestricted Use SCO Criteria mg/kg	PE-V-77-4 10/24/2019 Soil 22 bgs mg/kg	PE-V-78-PCB-3 10/22/2019 Soil 21 bgs mg/kg	PE-V-79-PCB-2 10/22/2019 Soil 20 bgs mg/kg	PE-V81-PCB-1 10/18/2019 Soil 19 bgs mg/kg
Polychlorinated Biphenyls (PCBs)					
Aroclor 1016	0.1	ND	ND	ND	ND
Aroclor 1221	0.1	ND	ND	ND	ND
Aroclor 1232	0.1	ND	ND	ND	ND
Aroclor 1242	0.1	ND	ND	ND	ND
Aroclor 1248	0.1	ND	ND	ND	ND
Aroclor 1254	0.1	ND	ND	ND	ND
Aroclor 1260	0.1	ND	ND	ND	ND
Aroclor 1262	0.1	ND	ND	ND	ND
Aroclor 1268	0.1	ND	ND	ND	ND
PCBs, Total	0.1	ND	ND	ND	ND

Notes:
bgs = below ground surface
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
ND = the analyte was not detected
NA = Not an analyte
~ = no regulatory limit for this analyte
= exceedance of Unrestricted Use SCO

FIGURES



MAP REFERENCE: U.S. Geological Survey Topographic Map - Flushing Quadrangle 1995, Jamaica Quadrangle 1994.

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PROJECT SITE MAP

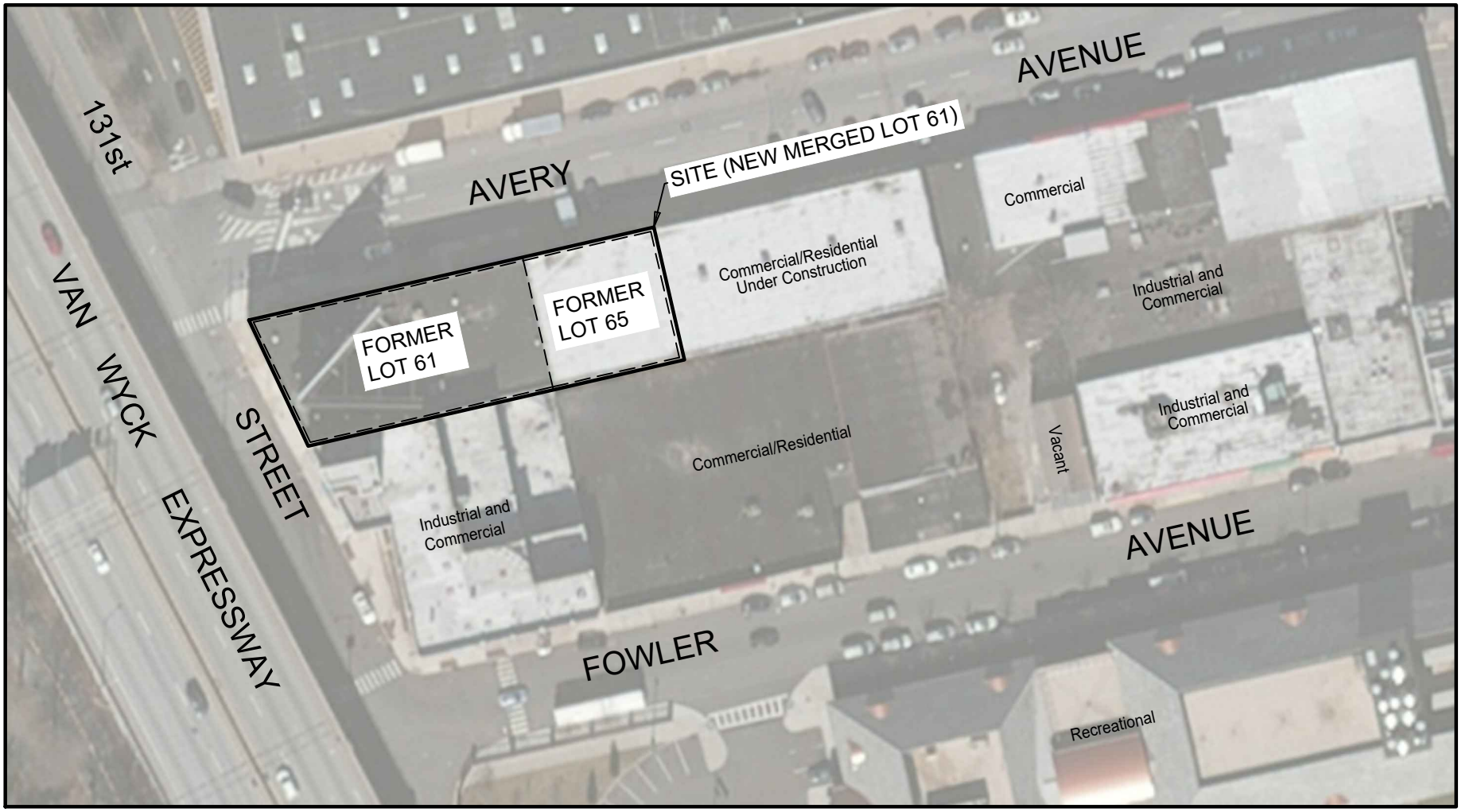
131-10 TO 131-18 AVERY AVENUE
SITE ID: C241228

QUEENS

FLUSHING NEW YORK

JOB NO.: 17116	SCALE:As Shown	DATE: 09/22/20	FIG. 1

P:\17\17116 Avery Avenue Site\Final Engineering Report\131-10 Avery Avenue\Figures\dwg\ Figure 1 - Site Location Map.dwg Sep 22, 2020 - 3:28pm hluo



BASEMAP SOURCE: GOOGLE EARTH

0 50 100 200 Feet

Graphic Scale

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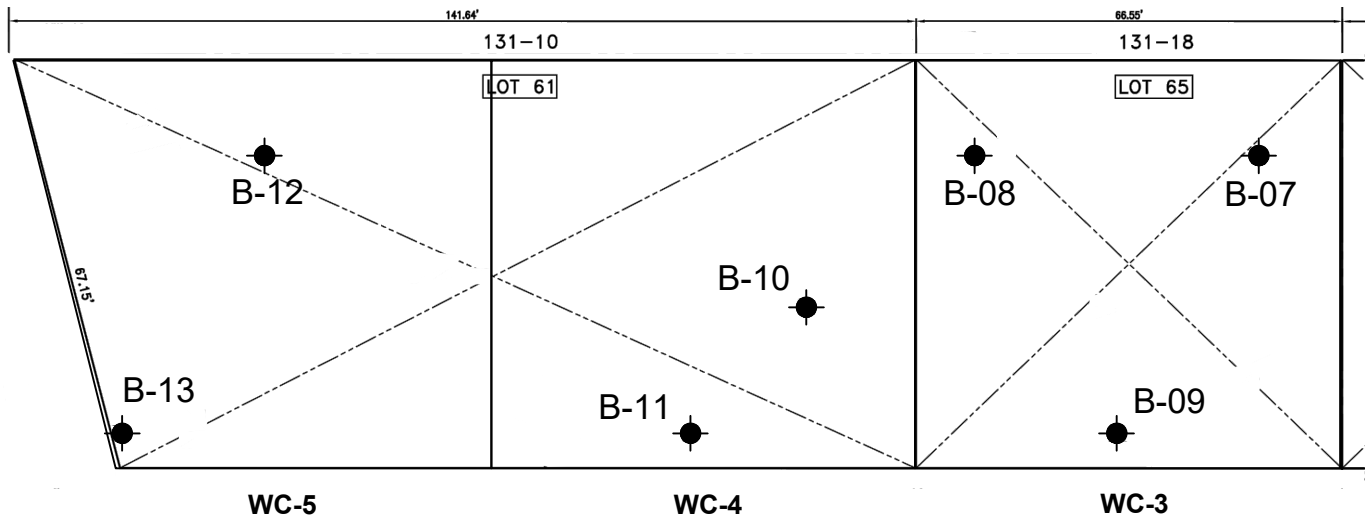
FINER SCALE SITE PLAN
131-10 TO 131-18 AVERY AVENUE
SITE ID: C241228

QUEENS

FLUSHING NEW YORK

JOB NO.: 17116	SCALE: As Shown	DATE: 11/30/20	FIG. 2

C:\Users\hluo\Downloads\Final Engineering Report\131-10 Avery Avenue\Figures\dwg\ Fig 2 - Site Plan Map.dwg Dec 01, 2020 - 5:31am hluo



LEGEND:

WASTE CLASSIFICATION BORING LOCATION

WASTE CLASSIFICATION AREA BOUNDARY

0 15 30 60 Feet

NOTES:

1. BASE MAP IS OBTAINED FROM THE NOTIFICATION OF SELF-IMPLEMENTATION PLAN FOR PCB AT PROPERTY ADDRESS 131-10/18/24/32 AVERY AVENUE, FLUSHING, NY 11355, DATED SEPTEMBER 8, 2016, FIGURE 4 "SOIL BORINGS LOCATION PLAN FOR PROPOSED ADDITIONAL PCB DELINEATION & FINAL DISPOSITION".

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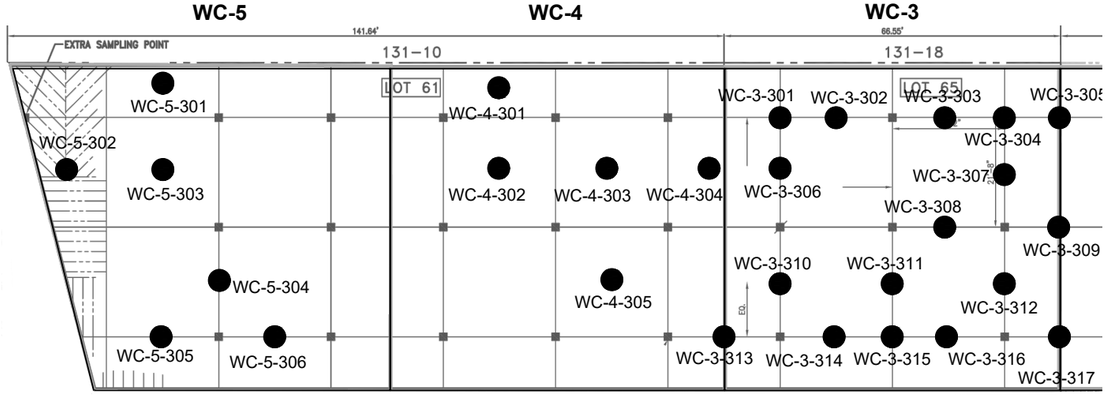
WASTE CLASSIFICATION SOIL SAMPLE LOCATION MAP 131-10 AVERY AVE

FLUSHING

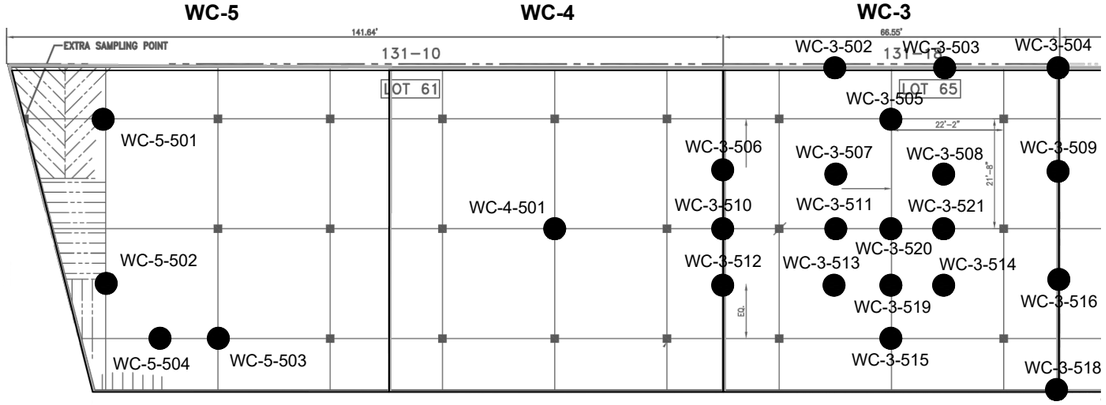
QUEENS NEW YORK

JOB NO.: 17116	SCALE: As Shown	DATE: 9/22/2020	FIG. 3

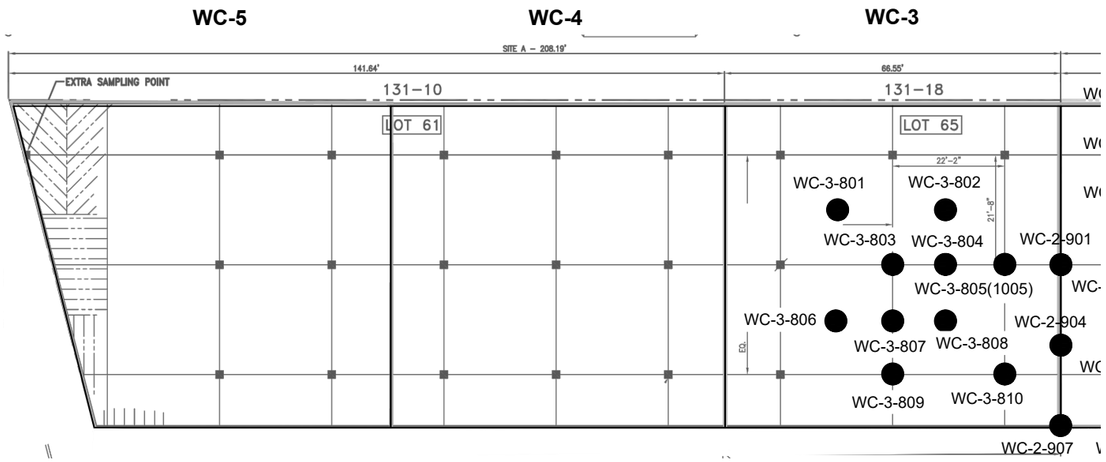
P:\17\17116 Avery Avenue Site\Final Engineering Report\131-24 Avery Avenue\Figures\dwg\ Waste Classification Boring Location.dwg Sep 24, 2020 - 4:54pm hluo



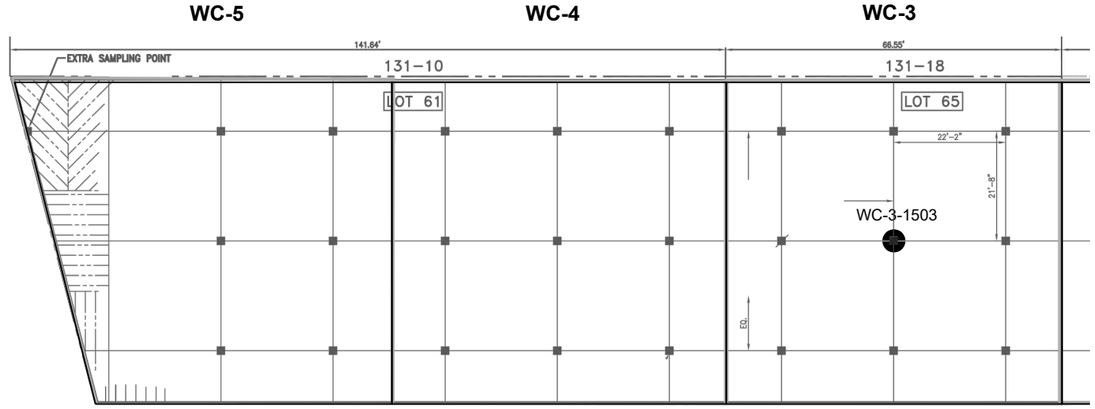
ADDITIONAL PCB SAMPLE LOCATIONS ON SURFACE LEVEL



ADDITIONAL SAMPLE LOCATIONS AFTER 0-3 FEET INTERVAL EXCAVATIONS



ADDITIONAL SAMPLE LOCATIONS AFTER 3-5 FEET INTERVAL EXCAVATIONS



ADDITIONAL SAMPLE LOCATIONS AFTER 5-10 FEET INTERVAL EXCAVATIONS

LEGEND:

- ● ADDITIONAL PCB SAMPLE LOCATION
- ▭ WASTE CLASSIFICATION AREA BOUNDARY

NOTES:

1. BASE MAP IS OBTAINED FROM THE NOTIFICATION OF SELF-IMPLEMENTATION PLAN FOR PCB AT PROPERTY ADDRESS 131-10/18/24/32 AVERY AVENUE, FLUSHING, NY 11355, DATED SEPTEMBER 8, 2016, FIGURE 4 "SOIL BORINGS LOCATION PLAN FOR PROPOSED ADDITIONAL PCB DELINEATION & FINAL DISPOSITION".
2. THE SAMPLE LOCATIONS ARE BASED ON FIELD MEASUREMENTS AND ARE APPROXIMATE.

0 15 30 60 Feet

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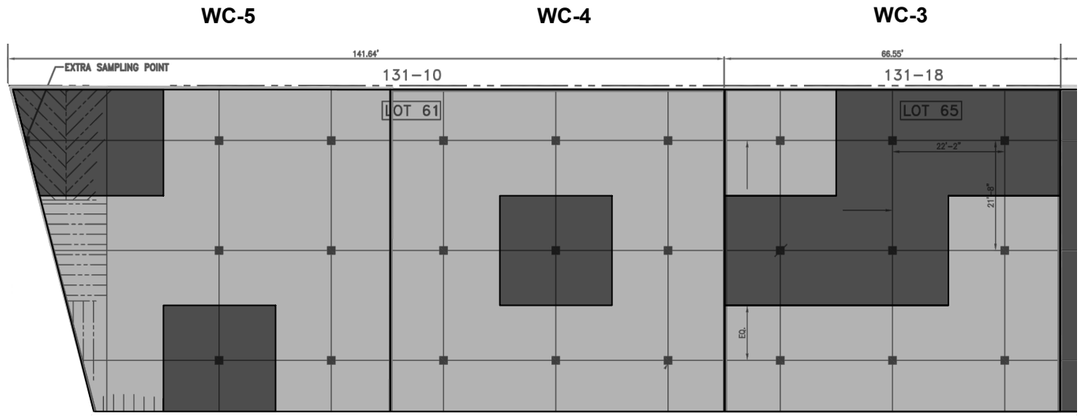
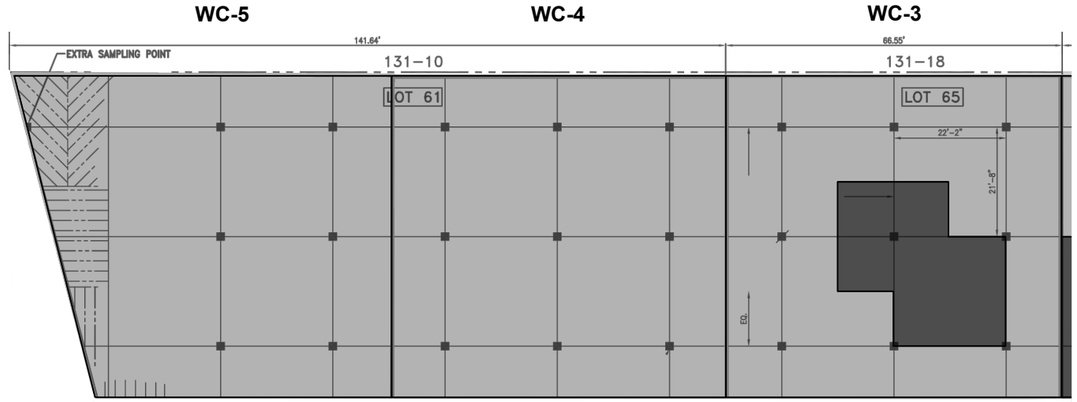
ADDITIONAL PCB DELINEATION SOIL SAMPLE LOCATION MAP

131-10 AVERY AVE
FLUSHING
QUEENS NEW YORK

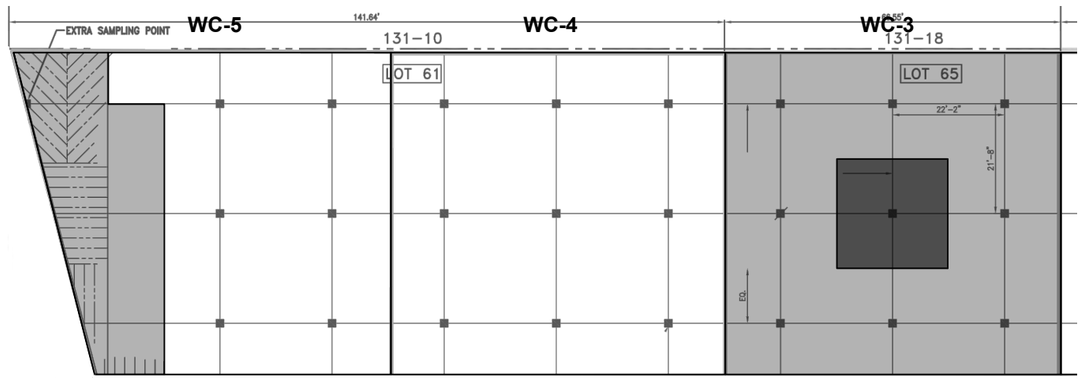
JOB NO.: 17116	SCALE: AS SHOWN	DATE: 09/22/2020	FIG. 4



0-3 FEET INTERVAL EXCAVATIONS



3-5 FEET INTERVAL EXCAVATIONS



5-10 FEET INTERVAL EXCAVATIONS

LEGEND:

- WASTE CLASSIFICATION AREA BOUNDARY
- TSCA PCB HAZARDOUS SOIL
- PCB IMPACTED SOIL

NOTES:

1. BASE MAP IS OBTAINED FROM THE NOTIFICATION OF SELF-IMPLEMENTATION PLAN FOR PCB AT PROPERTY ADDRESS 131-10/18/24/32 AVERY AVENUE, FLUSHING, NY 11355, DATED SEPTEMBER 8, 2016, FIGURE 4 "SOIL BORINGS LOCATION PLAN FOR PROPOSED ADDITIONAL PCB DELINEATION & FINAL DISPOSITION".
2. THE SAMPLE LOCATIONS ARE BASED ON FIELD MEASUREMENTS AND ARE APPROXIMATE.

0 15 30 60 Feet

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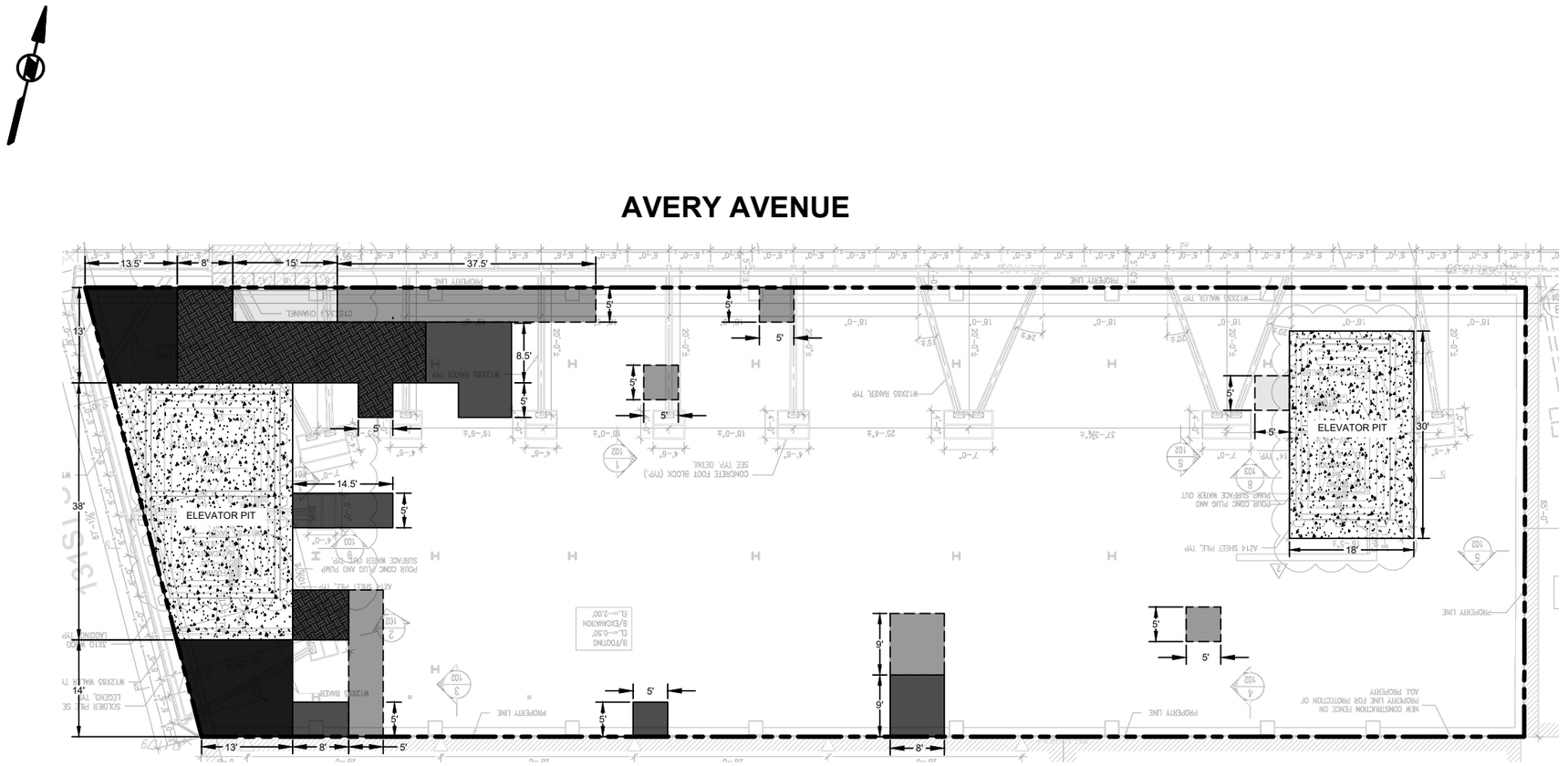
PCB HAZARDOUS AND PCB IMPACTED SOIL LOCATION MAP
131-10 AVERY AVE
FLUSHING
QUEENS NEW YORK

JOB NO.: 17116	SCALE: AS SHOWN	DATE: 05/08/2020	FIG. 5

P:\17\17116 Avery Avenue Site\Final Engineering Report\131-24 Avery Avenue\Figures\dwg\ Waste Classification Boring Location.dwg Sep 24, 2020 - 5:06pm hluo



LEGEND:

- SITE BOUNDARY
- 1 FT OVEREXCAVATION
- 2 FT OVEREXCAVATION
- 3 FT OVEREXCAVATION
- 4 FT OVEREXCAVATION
- 7 FT OVEREXCAVATION
- 8 FT OVEREXCAVATION FOR ELEVATOR PIT

NOTES:

1. THE BASE MAP IS EXTRACTED FROM THE SUPPORT OF EXCAVATION (SOE) MAP PREPARED BY TIMES BUILDINGS PC ON MAY 20, 2019.
2. LOCATION AND DIMENSION OF THE OVEREXCAVATION AREA IS BASED ON FIELD MEASUREMENTS AND IS APPROXIMATE.
3. OVER-EXCAVATION WAS PERFORMED TO THE EXTENT OF PRACTICAL AS PER THE SOE ENGINEER REQUIREMENT.

0 10 20 40 Feet

Graphic Scale

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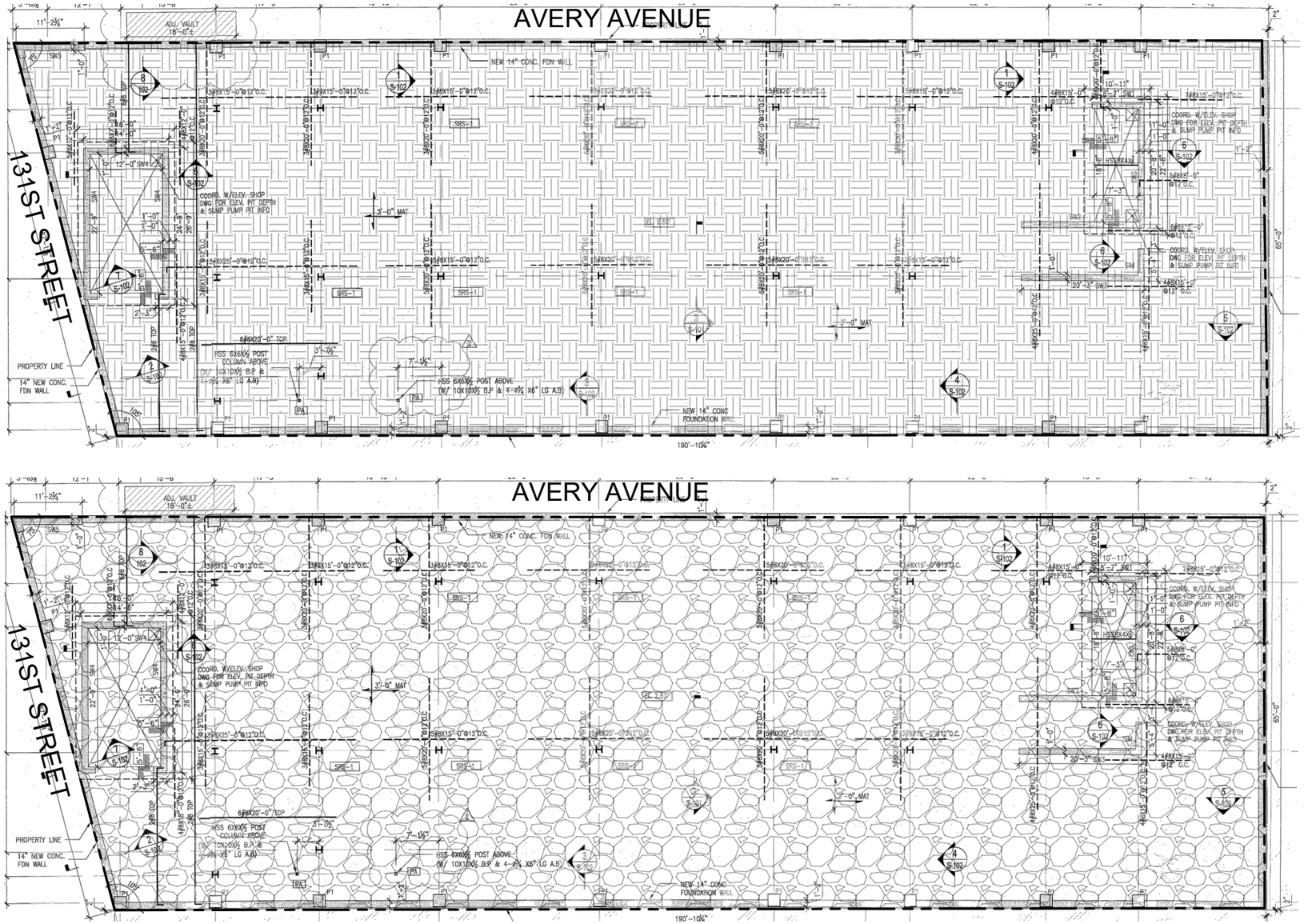
OVER-EXCAVATION MAP

131-10 TO 131-18 AVERY AVENUE
SITE ID: C241228
FLUSHING

QUEENS NEW YORK

JOB NO.: 17116	SCALE: AS SHOWN	DATE: 05/06/2020	FIG. 6



CUT

FILL

LEGEND:

- SITE BOUNDARY
- SOIL EXCAVATION TO APPROXIMATE 18 FT BGS
- 20-INCH-THICK OF ASTM #57 STONE

NOTES:

1. THE BASE MAP IS EXTRACTED FROM THE SUPPORT OF EXCAVATION (SOE) MAP PREPARED BY TIMES BUILDINGS PC ON MAY 20, 2019.
2. MATERIALS PROPOSED FOR BACKFILL ON SITE WAS APPROVED BY THE REMEDIAL ENGINEER PRIOR TO DELIVERY ON SITE.

0 10 20 40 Feet

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CUT AND FILL THICKNESS MAP

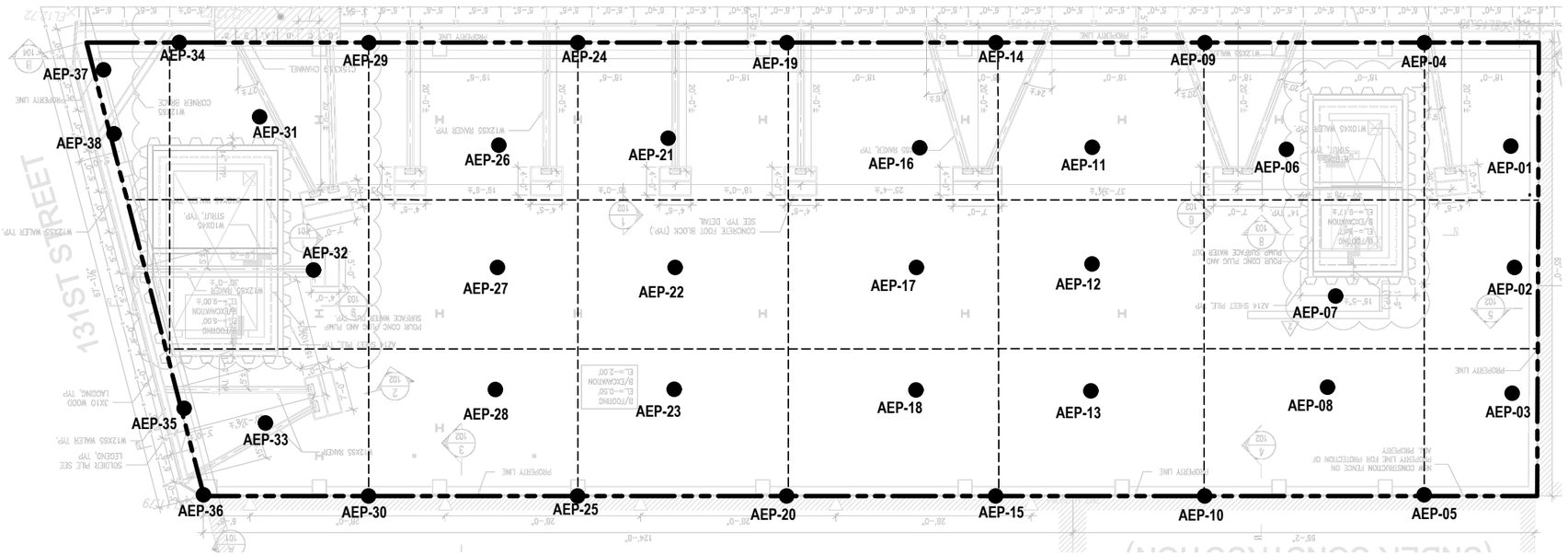
131-10 TO 131-18 AVERY AVENUE
SITE ID: C241228
FLUSHING

QUEENS NEW YORK

JOB NO.: 17116	SCALE: AS SHOWN	DATE: 12/02/20	FIG. 7

C:\Users\hluo\Downloads\Final Engineering Report\131-10 Avery Avenue\Figures\dwg\ Figure 7,8 - cut and fill thickness and construction detail.dwg Dec 02, 2020 - 10:49pm hluo

AVERY AVENUE



LEGEND:

— — — SITE BOUNDARY

● AEP-XX END POINT SAMPLE LOCATION AND DESIGNATION NUMBER

NOTES:

1. THE BASE MAP IS EXTRACTED FROM THE SUPPORT OF EXCAVATION (SOE) MAP PREPARED BY TIMES BUILDINGS PC ON MAY 20, 2019.
2. END POINT SAMPLING IN ACCORDANCE WITH NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONERVATION (NYSDEC) TECHNICAL GUIDANCE FOR SITE INVESTIGATION AND REMEDIATION (DER-10) SECTION 5.4. (1 BOTTOM SAMPLE PER 900 SQUARE FEET)
3. SAMPLE LOCATIONS ARE BASED ON FIELD MEASUREMENTS AND IS APPROXIMATE

0 10 20 40 Feet

Graphic Scale

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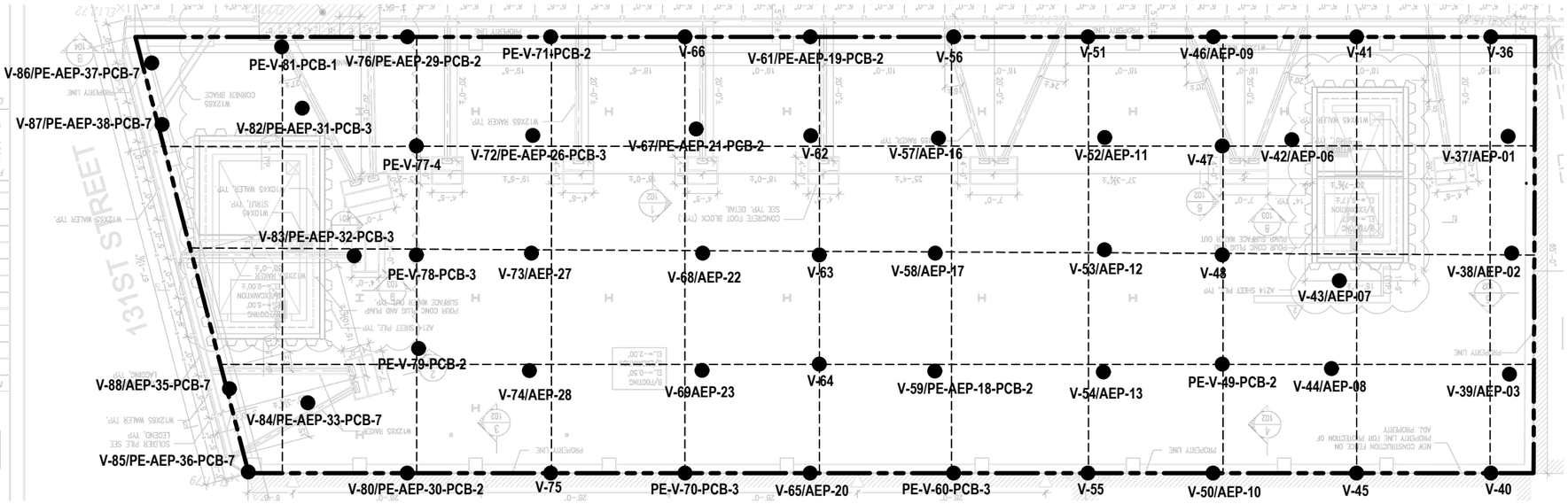
END POINT SAMPLE MAP

131-10 TO 131-18 AVERY AVENUE
SITE ID: C241228
FLUSHING
QUEENS NEW YORK

JOB NO.: 17116	SCALE: AS SHOWN	DATE: 05/05/2020	FIG. 8

AVERY AVENUE



LEGEND:

— — — SITE BOUNDARY

● V-X — PCB VERIFICATION SAMPLE LOCATION AND DESIGNATION NUMBER

● PE-V-X-PCB-X — PCB VERIFICATION SAMPLE LOCATION WHERE OVER-EXCAVATION WAS PERFORMED AND DESIGNATION NUMBER

● V-X/AEP-X — PCB VERIFICATION SAMPLE LOCATION THAT COINCIDED WITH ANOTHER END POINT SAMPLE LOCATION AND THEIR DESIGNATION NUMBER

NOTES:

1. THE BASE MAP IS EXTRACTED FROM THE SUPPORT OF EXCAVATION (SOE) MAP PREPARED BY TIMES BUILDINGS PC ON MAY 20, 2019.
2. MULTIPLE PCB VERIFICATION SAMPLE LOCATIONS COINCIDED WITH END POINT SAMPLE LOCATIONS AND THESE LOCATIONS WERE INDICATED ON THIS MAP.
3. SAMPLE LOCATIONS ARE BASED ON FIELD MEASUREMENTS AND ARE APPROXIMATE

0 10 20 40 Feet

Graphic Scale

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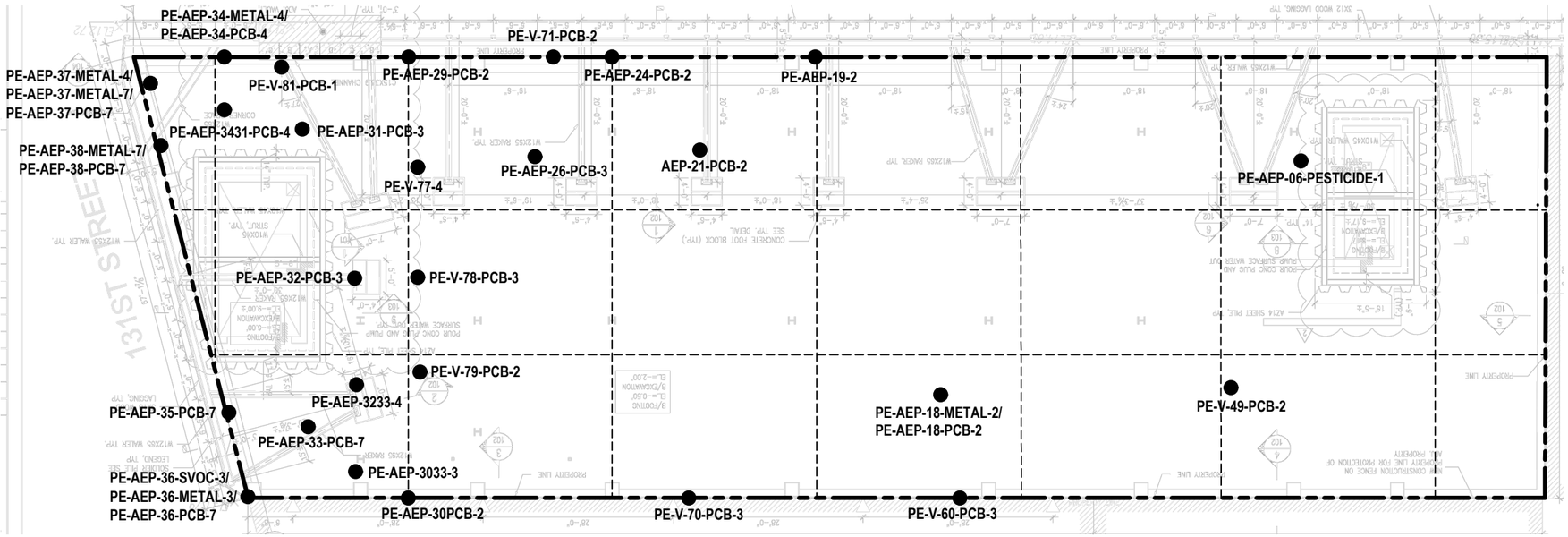
PCB VERIFICATION SAMPLE LOCATION MAP

131-10 TO 131-18 AVERY AVENUE
SITE ID: C241229
FLUSHING
QUEENS NEW YORK

JOB NO.: 17116	SCALE: AS SHOWN	DATE: 05/05/2020	FIG. 9

AVERY AVENUE



LEGEND:

— — — SITE BOUNDARY

● OVEREXCAVATION SAMPLE LOCATION

NOTES:

1. THE BASE MAP IS EXTRACTED FROM THE SUPPORT OF EXCAVATION (SOE) MAP PREPARED BY TIMES BUILDINGS PC ON MAY 20, 2019.
2. SAMPLE LOCATIONS ARE BASED ON FIELD MEASUREMENTS AND ARE APPROXIMATE

0 10 20 40 Feet

Graphic Scale

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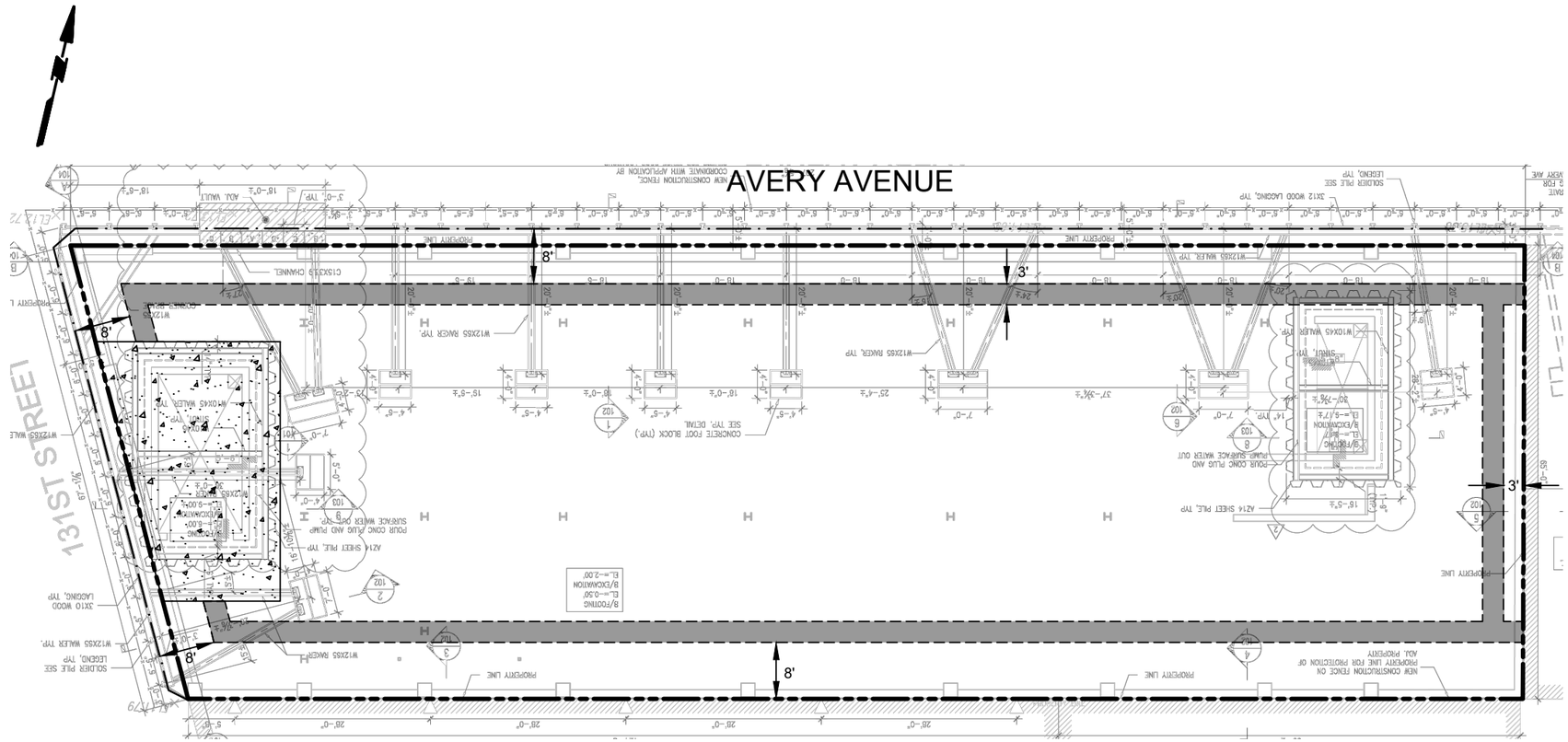
OVER-EXCAVATION END-POINT SOIL SAMPLE LOCATION MAP

131-10 TO 131-18 AVERY AVENUE
FLUSHING

QUEENS NEW YORK

JOB NO.: 17116	SCALE: AS SHOWN	DATE: 05/05/2020	FIG. 10

P:\17\17116 Avery Avenue Site\Final Engineering Report\131-10 Avery Avenue\Figures\dwg\ Figure 3, 4, 5 - End-point Sample and Overexcavation Map.dwg Sep 24, 2020 - 5:22pm hluo



LEGEND:

- SITE BOUNDARY
- SUPPORT OF EXCAVATION BOUNDARY
- PERMEABLE REACTIVE BARRIER
- ELEVATOR PIT

NOTES:

1. THE BASE MAP IS EXTRACTED FROM THE SUPPORT OF EXCAVATION (SOE) MAP PREPARED BY TIMES BUILDINGS PC ON MAY 20, 2019.
2. THE PERMEABLE REACTIVE BARRIER IS 8FT AWAY FROM THE NORTH, WEST AND SOUTH SITE BOUNDARY AS PER THE SOE ENGINEER REQUIREMENTS.
3. THE PERMEABLE REACTIVE BARRIER WAS BLOCKED BY THE ELEVATOR PIT ON THE WEST PERIMETER OF THE SITE. ADDITIONAL FEROX ZERO VALENT ION (ZVI) POWDER WAS APPLIED UNDER THE ELEVATOR PIT DURING CONSTRUCTION.
4. THE OVEREXCAVATION DEPTH FOR PERMEABLE REACTIVE BARRIER IS 5 FEET (FT) BELOW GROUNDWATER LEVEL AND THE WIDTH IS APPROXIMATELY 3 FT.
5. THE PERMEABLE REACTIVE BARRIER IS BACKFILLED WITH FEROX ZERO VALENT ION (ZVI) POWDER MIXED OVEREXCAVATED SOIL.

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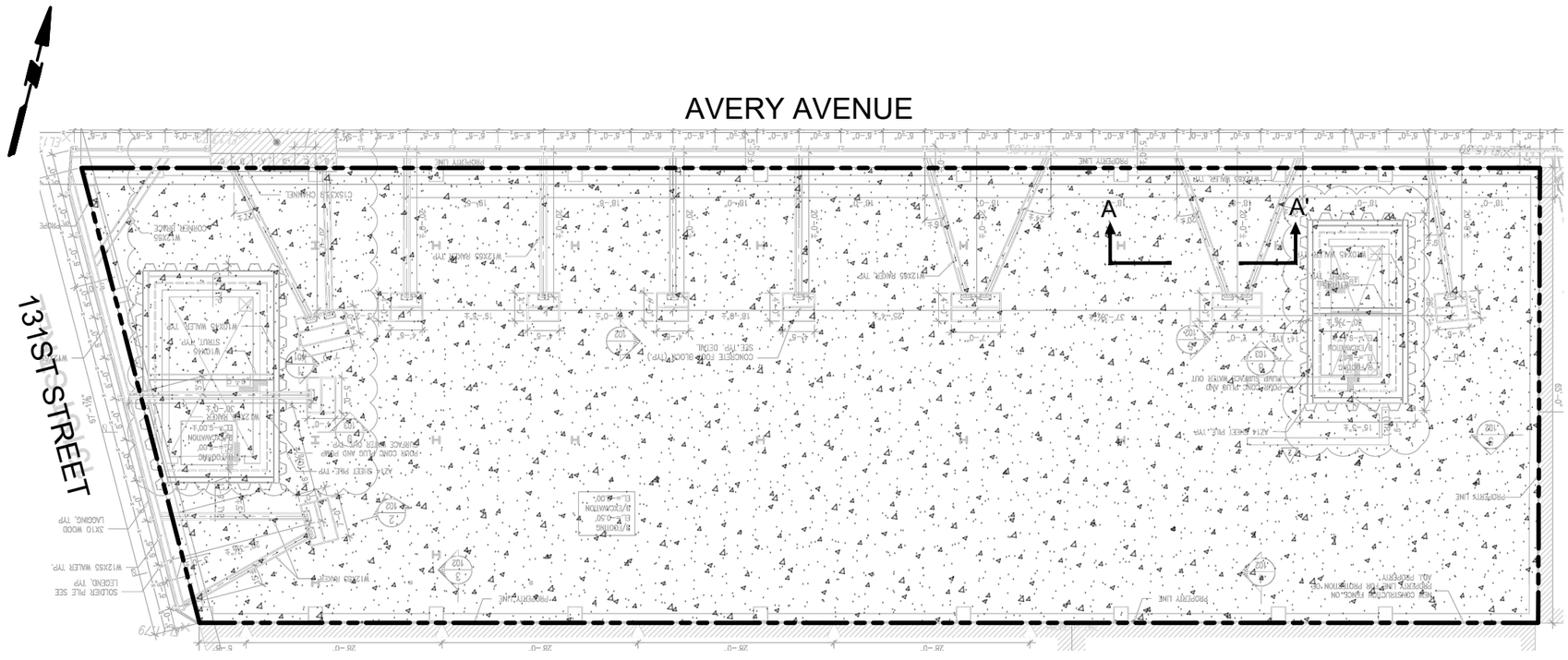
PERMEABLE REACTIVE BARRIER LOCATION MAP

131-10 TO 131-18 AVERY AVENUE
SITE ID: C241228
FLUSHING
QUEENS NEW YORK

JOB NO.: 17116	SCALE: AS SHOWN	DATE: 05/07/2020	FIG. 11

P:\17\17116 Avery Avenue Site\Final Engineering Report\131-10 Avery Avenue\Figures\dwg\ Figure 6 - Chemical Barrier Wall.dwg Sep 29, 2020 - 3:05pm hluo



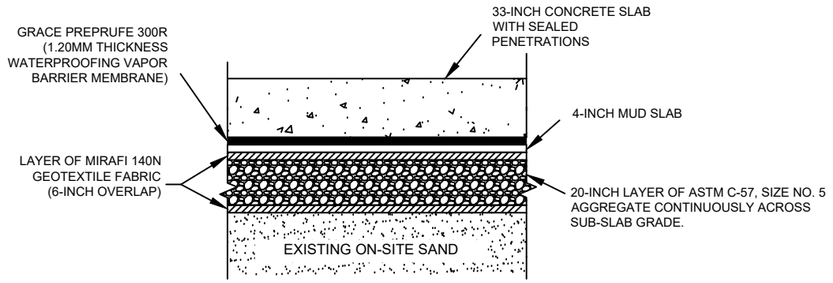
LEGEND:

SITE BOUNDARY

AREA COVERED BY 33-INCH-THICK CONCRETE BUILDING SLAB

NOTES:

1. THE BASE MAP IS EXTRACTED FROM THE SUPPORT OF EXCAVATION (SOE) MAP PREPARED BY TIMES BUILDINGS PC ON MAY 20, 2019.
2. CONCRETE SLAB WITH 33-INCH THICKNESS FOR BUILDING MAT FOUNDATION IS LOCATED AT AROUND 18 FEET BELOW GROUND LEVEL.



TYPICAL SLAB-ON-GRADE CONSTRUCTION DETAILS (A-A')
(N.T.S)

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BUILDING SLAB CONSTRUCTION AND DETAILS

131-10 TO 131-18 AVERY AVENUE
SITE ID: C241228
FLUSHING

QUEENS NEW YORK

JOB NO.: 17116	SCALE: AS SHOWN	DATE: 05/08/20	FIG. 12

P:\17\17116 Avery Avenue Site\Final Engineering Report\131-10 Avery Avenue\Figures\dwg\ Figure 7,8 - cut and fill thickness and construction detail.dwg Sep 29, 2020 - 3:25pm hluo