

# **The Huguenot Site**

**WESTCHESTER, NEW YORK**

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## **Final Engineering Report**

**NYSDEC Site Number: C360157**

**Prepared for:**

381-383 Huguenot LLC

20 Amelia Earhart Lane, Rye, NY 10580

**Prepared by:**

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**DECEMBER 2021**

# CERTIFICATIONS

I, Wenqing Fang, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Remedial Action Work Plan was implemented and that all construction activities were completed in substantial conformance with the Department-approved Remedial Action Work Plan.

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

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

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

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

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

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

095477

\_\_\_\_\_  
NYS Professional Engineer #

12.9.2021

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Date



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## LIST OF ACRONYMS

<b>Acronym</b>	<b>Definition</b>
AMSL	Above Mean Sea Level
AOC	Area of Concern
AWQS	Ambient Water Quality Standard
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
GPR	Ground Penetrating Radar
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
NYS DEC	New York State Department of Environmental Conservation
OSHA	Occupational Safety and Health Administration
PID	Photo Ionization Detector
QA/QC	Quality Assurance and Quality Control
QEP	Qualified Environmental Professional
REC	Recognized Environmental Condition
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
SCG	Standards, Criteria or Guidance
SCO	Soil Cleanup Objective
SOW	Scope of Work
USEPA	United State Environmental Protection Agency
USGS	United State Geological Survey

# FINAL ENGINEERING REPORT

## 1.0 BACKGROUND AND SITE DESCRIPTION

381-383 Huguenot LLC entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in November 2017, to investigate and remediate a 0.39-acre property located in City of New Rochelle, Westchester County, New York (see **Figure 1**). The property was remediated to restricted residential use, and will be used for *mixed commercial and residential uses*.

The site is located in the County of Westchester, New York and is identified as Section 2, Block 439 and Lot 5 on the City of New Rochelle Tax Map # 0127. The site is situated on an approximately 0.39-acre area bounded by a residential and commercial building to the north, an apartment building to the south, Huguenot Street and mixed residential and commercial buildings to the east, and two commercial buildings to the west (see **Figure 2**). The boundaries of the site are shown on the metes & bounds survey map contained in **Appendix 1** and are fully described in the environmental easement included in **Appendix 3**.

An electronic copy of this FER with all supporting documentation is included as **Appendix 2**.

### 1.1 Site Conditions

Prior to redevelopment, the Subject Property consisted of four (4) irregular shaped parcels totaling approximately 0.39 acres. In May of 2019, the Participant submitted an application to amend the Brownfield Cleanup Agreement to notify the NYSDEC that the four (4) tax lots making up the site were being merged into a single tax lot (Lot 5) with no change in acreage. The application to amend BCA is included in **Appendix 1**.

The property previously maintained two structures. Lot 7 maintained an irregular shaped one-story building (with partial basement), with an approximate footprint of 3,400-square feet. This building was most recently utilized for office and storage space associated with a U-Haul business, a real-estate firm, and a janitorial supply business. Lot 5 was vacant, but was most recently utilized for vehicle parking. The first floor of the



building maintained on Lots 3A and 4 most recently housed a church ministry, with the second floors occupied by one residential unit in each. The basement on Lot 4 was occupied by a hydraulic repair business. These buildings were demolished during the site redevelopment.

The surrounding parcels are currently utilized for mixed commercial and residential uses. The Site is located within the City of New Rochelle's recently designated Downtown Overlay Zone (DOZ). The DOZ is part of a new zoning plan adopted in 2015 to re-establish the downtown as a center of vibrancy within a mixed-use, transit oriented setting. The characteristics of the Site allow a building of up to six stories, with the provision by the developer of a community benefit.

## **1.2 Site History**

The northern portion of the Site (Lots 3A and 4 at 381 and 383 Huguenot Street) has been utilized for dry cleaning services since circa 1931, and for manufacturing since the 1970s to 2010s. The central portion of the Site (385 & 387 Huguenot) has maintained a residential dwelling since circa 1931, and truck and trailer parking since the 1990s. The southern portion of the Site (Lots 5 and 7 at 391 and 393 Huguenot) has maintained a gasoline filling station from 1930s to 1950s, car wash in 1931, and a warehouse from 1970s to 2010s.

## **1.3 Site Redevelopment**

The site development project entails demolition of the former facilities and construction of one (1) 6 - story mixed - use building with on - site parking. The new building, when finished, will have sixty (60) rental apartment units, and two commercial/retail units on the ground floor. The redevelopment includes the construction of a basement on the northern portion. Excavation was performed to approximately 11 feet below ground surface along the eastern property line. Vehicle parking spaces will be on the first/ground floor within the footprint of the building, with some below ground using a mechanical parking system. The new building covers a footprint of 10,100 square

feet. The basement covers a footprint of 5,800 square feet. Two (2) drainage structures cover a combined area of 1,745 square feet with 6 feet in depth. The remainder of the Site consists of an asphalt - paved parking lot. There will be no landscaped areas at the Site.

#### **1.4 Subsurface Soil Conditions**

Below the surface cover and heterogeneous fill materials, the subsurface stratigraphy generally consists of natural sand and silt deposits overlying a thin mantle of weathered rock, atop more competent bedrock.

The sidewalk of Huguenot Street is covered by 4 inches of concrete, underlain by 6 inches of subbase. Part of the site was covered by asphalt paved driveways and parking lots. The central portion of the Site previously consisted of exposed soil.

Fill consisting of a heterogeneous mixture of medium to fine sand and silt, with lesser amounts of coarse to fine gravel and occasional asphalt, concrete, and brick fragments was encountered throughout the Site. Fill generally varied between 4 to 6 feet in thickness.

Below the fill, starting at depths between approximately 4 to 6 feet below grade, the stratum consists of medium to fine sand with silt, lesser amounts of coarse to fine gravel, and occasional cobbles. This stratum is generally considered medium dense to dense material.

The top of completely weathered rock was encountered at depths between approximately 10 to 20 feet below grade. This stratum is mostly soil-like in consistency, comprising coarse to fine micaceous sand and gravel, with variable amounts of silt, and intact components of the parent material.

Bedrock was encountered at depths between approximately 19 to 24 feet below grade.

#### **1.5 Subsurface Groundwater Conditions**

Groundwater monitoring wells were installed throughout the Site. The recorded

water levels are between 6.11 (MW-3) and 8.38 feet (MW-8) below grade. The flow rates of the wells are extremely low. Most of the wells ran dry when purging rate was >500 milliliters per minute (ml/min). Based on the presence of shallow bedrock and the low flow rate, it is suspected that the observed groundwater is trapped stormwater perched atop the dense underlying weathered rock.

Based on the groundwater elevation surveys (dated February 15, 2017 and May 8, 2018), the groundwater flow direction on the site is to the northwest. The hydraulic gradient is between 0.039 to 0.069 feet/feet.

## **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.

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 intrusion into buildings at a site.

### **2.2 Description of Selected Remedy**

The site was remediated in accordance with the remedy selected by the NYSDEC in the Decision Document dated December 2018. Track 4 Cleanup was selected as the remedy for the Site.

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. Excavation and disposal of all exposed soils in the upper two feet exceeding restricted-residential use soil cleanup objectives (RRSCOs);
2. Excavation and removal of any underground storage tanks (USTs), fuel dispensers, underground piping or other structures associated with a source of contamination;
3. Excavation and disposal of contaminated soils from source areas identified on-site, extending to varying depths below grade;
4. Post-excavation end-point soil sampling and analysis to document remaining contamination;
5. Backfill with clean fill to replace excavated soil or complete backfilling of the excavation to the established construction grades at the site;
6. Composite covering system, including building slab, asphalt, and two (2) feet of clean fill (meeting RRSCO) on exposed soils not covered by components of the development;
7. Re-installation of on-site groundwater wells, and long-term groundwater monitoring program;
8. Execution and recording of an Environmental Easement (EE) to restrict land and groundwater use and prevent future exposure to any contamination

remaining at the site. The EE will also require compliance with a Site Management Plan (SMP);

9. Development and implementation of a SMP for long term management of remaining contamination as required by the EE, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation/inspection and maintenance and (4) reporting; and
10. Periodic certification of the institutional and engineering controls listed above.

### **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 Huguenot Site (January 2019). All deviations from the RAWP are noted below.

### **4.1 Governing Documents**

#### **4.1.1 Site Specific Health & Safety Plan (HASP)**

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

The Health and Safety Plan (HASP) was complied with for all remedial and invasive work performed at the Site.

The remedial activities performed under this program were in compliance with the Construction Health and Safety Plan and applicable laws and regulations. The Site Safety Coordinator was James Cressy.

#### **4.1.2 Quality Assurance Project Plan (QAPP)**

The QAPP was included as Appendix 3 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.

During the implementation of the RAWP, there was no deviation from the QAPP.

#### **4.1.3 Soil/Materials Management Plan (S/MMP)**

The Soil/Material Management Plan (S/MMP) was included as Appendix 4 of the Remedial Work Plan (RWP) approved by the NYSDEC.



All soils/materials that were disturbed at the Site, including excavation, handling, storage, transport and disposal, were managed in accordance with the S/MMP.

Remedial activities performed under this program were in compliance with the S/MMP in the approved RWP.

Odor controls were performed from May 1, 2019 to August 2, 2019 to assure effective, nuisance-free performance in compliance with all applicable Federal, State and local laws and regulations.

#### **4.1.4 Storm-Water Pollution Prevention Plan (SWPPP)**

The erosion and sediment controls for all remedial construction were performed in conformance with requirements presented in the New York State Guidelines for Urban Erosion and Sediment Control and the site-specific Storm Water Pollution Prevention Plan included as Appendix 5 of the RWP.

#### **4.1.5 Community Air Monitoring Plan (CAMP)**

The Community Air Monitoring Plan (CAMP) was included as **Appendix 6** of the Remedial Work Plan (RWP) approved by the NYSDEC.

The Community Air Monitoring Plan provided for the collection and analysis of air samples during remedial construction activities to ensure proper protections were employed to protect workers and the neighboring community. Monitoring was performed from April 22, 2019 to February 21, 2020 in compliance with the Community Air Monitoring Plan in the approved RWP.

There were several CAMP exceedances during construction activities. Accordingly, odor controls were deployed from May 1, 2019 to August 2, 2019 to assure effective, nuisance-free performance in compliance with all applicable Federal, State and local laws and regulations. The CAMP results are shown in **Appendix 9**.

#### **4.1.6 Community Participation Plan**

The Citizen Participation Plan (CPP) was included as Appendix 7 of the Remedial Action Work Plan (RWP) approved by the NYSDEC.

During the implementation of the RWP, there was no deviation from the CPP.

A fact sheet announcing the start of cleanup activities was distributed to the public in January 2019 by NYSDEC. Additional fact sheets will be distributed announcing completion of cleanup activities and issuance of the certificate of completion.

#### **4.2 Remedial Program Elements**

##### **4.2.1 Contractors and Consultants**

Principal personnel who participated in the remedial action include Sr. Consultant James Cressy and Sr. Consultant Wenqing Fang. The Professional Engineer (PE) and Qualified Environmental Professionals (QEP) for this project are Mr. Wenqing Fang, P.E. and Mr. James Cressy QEP.

William A. Kelly & Company, Inc was the general contractor (GC) for the construction work at the Site.

Valiant Contracting LLC was the permitted waste hauler for the soil/fill disposal.

DRI-TEC Waterproofing performed moisture barrier installation at the Site.

Cider Environmental was the environmental consultant for soil/fill excavation.

Cider Environmental was the contractor/consultant for construction dewatering.

##### **4.2.2 Site Preparation**

###### Pre-Construction Meeting

A pre-construction meeting was held with NYSDEC and all contractors on March 26, 2019.

###### Project Sign

A NYSDEC-approved project sign was erected at the project entrance and remained in place during all phases of the Remedial Action.

### Mobilization

Mobilization was performed from April 1, 2019 to April 18, 2019. Mobilization included field personnel orientation, equipment mobilization (including securing all sampling equipment needed for the field investigation), marking/staking sampling locations and utility mark-outs. Each field team member attended an orientation meeting to become familiar with the general operation of the Site, health and safety requirements, and field procedures.

### Utility Marker Layout, Easement Layouts

Mark-out was performed on April 19, 2019. The presence of utilities and easements on the Site was fully investigated prior to the performance of invasive work by using the One-Call System (811). All invasive activities were performed in compliance with applicable laws and regulations to assure safety. Utility companies and other responsible authorities were contacted to locate and mark the locations, and a copy of the Markout Ticket were retained by the contractor prior to the start of drilling, excavation or other invasive subsurface operations. Electrical hazards associated with overhead utilities were prevented by maintaining a safe distance between overhead power lines and equipment. Proper safety and protective measures pertaining to utilities and easements, and compliance with all laws and regulations were employed during invasive activities.

### Remediation Zones

Site remediation and excavation was organized into five (5) different zones in accordance with the site redevelopment project to streamline project management. The boundaries of the zones can be referenced with **Figure 3**.

The following is a summary of the remediation and excavation activities performed by zones:

- Zone-1 (new building cellar): Excavation was performed from grade (EL. 88 feet on the east side to EL. 86 on the west) to EL. 73.5 feet (cell slab top at EL. 77 feet, with 36-inch mat slab and 6 inches sub-base material), and to EL. 70 feet to accommodate the elevator pits. Solid bedrock was encountered at approximately EL. 75 feet. Groundwater was encountered at approximately EL. 78 feet.
- Zone-2 (former fuel oil UST, “hot spot”): Excavation was performed to bedrock to remove source of significant contamination. Area of excavation was larger than planned in the RWP.
- Zone-3 (garage and drainage structure of the new building): Excavation was performed to the extent to accommodate the structures. Due to the migration of petroleum related contamination immediately above the bedrock from Zone-4, excavation in eastern portion of Zone-3 was extended to the bedrock to facilitate source removal.
- Zone-4 (former gasoline USTs). Excavation was performed to bedrock to remove significant contamination.
- Zone-5 (uncovered area on western border): The top 2 feet of soil/fill was excavated.
- Shallow soil in areas under building footprint not otherwise indicated were removed as necessary to accommodate paved parking surfaces.

### **4.2.3 General Site Controls**

#### Stockpile Management

Excavated soil/fill was stockpiled separately and was segregated from clean soil/stone and construction materials. While stockpiles were in place, they were inspected daily, and before and after every storm event. Results of inspections were recorded in a logbook and maintained at the Site and available for inspection by the NYSDEC. Excavated soils were stockpiled on, at minimum, double layers of 8-mil minimum sheeting, were kept covered at all times with appropriately anchored plastic tarps, and

were routinely inspected. Broken or ripped tarps were promptly replaced.

All stockpile activities were compliant with applicable laws and regulations. Soil stockpile areas were appropriately graded to control run-off in accordance with applicable laws and regulations.

#### Truck Inspection

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

#### Site Security

Site access was controlled by a gated entrance into the fenced property.

#### Soil Screening

Visual, olfactory and PID soil screening and assessment was performed under the supervision of a Qualified Environmental Professional. Soil screening was performed during invasive work performed during the remedy and development phases.

An experienced geologist or engineer visually classified the soil/fill encountered, scanned for volatile and semi-volatile organic vapors using a calibrated photoionization detector (PID), and inspected for any visual and/or olfactory evidence of contamination. Soil logs were prepared for all soil samples collected describing color, grain size, sorting, cohesiveness, moisture content (groundwater), and the presence or absence of odors, staining, or other signs of contamination. Obvious man-made objects such as brick fragments, metal scrap, or concrete were clearly identified.

Petroleum impacted soil was encountered in the northwestern portion (Zone-2) and southeastern portion (Zone-4) of the Site. Over excavation was performed in these

areas. Fill material was encountered throughout the Site.

#### **4.2.4 Nuisance Controls**

##### Odor Control

All necessary means were employed to prevent on- and off-Site odor nuisances. Procedures included: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) use of foams to cover exposed odorous soils.

During this Project, work has been halted due to odor control issues. Specifically, strong petroleum odor was noted during the excavation in Zone 2 and Zone 4. Accordingly, odor controls, using a pneumatic foam machine, were performed from May 1, 2019 to August 2, 2019.

##### Dust Control

Dust management during invasive on-Site work included:

Use of a dedicated water spray methodology for roads, excavation areas and stockpiles.

Use of properly anchored tarps to cover stockpiles.

Exercise extra care during dry and high-wind periods.

Use of imported clean  $\frac{3}{4}$ -inch stone on egress to provide a clean and dust-free road surface.

During this Project, work has not been halted due to dust control. There were no complaints of dust issues from the on-site workers or the neighbors.

##### Other Nuisances

Noise control was exercised during the remedial program. All remedial work conformed to local noise control standards.

#### **4.2.5 CAMP Results**

The community air monitoring was performed from April 22, 2019 to February 21, 2020 in compliance with the Community Air Monitoring Plan in the approved RWP. There were several CAMP exceedances during construction activities. Accordingly, odor controls were performed from May 1, 2019 to August 2, 2019 to assure effective, nuisance-free performance in compliance with all applicable Federal, State and local laws and regulations.

Copies of all field data sheets relating to the CAMP are provided in electronic format in **Appendix 9**.

#### **4.2.6 Reporting**

Daily reports were submitted from April 22, 2019 to February 21, 2020. All daily and monthly reports are included in electronic format in **Appendix 6**.

The digital photo log required by the RWP is included in electronic format in **Appendix 7**.

### **4.3 Contaminated Materials Removal**

A list of the soil cleanup objectives (SCOs) for the contaminants of concern for this project is provided in **Table 1-1**.

The soil cleanup objectives (SCOs) for the site is Track 4 BCP SCOs for restricted residential use. In addition, source materials were removed to the extent feasible.

A figure of the location of original sources and areas where excavations were performed is shown in **Figure 3**.

A total of 7,472.43 tons of soil/fill were excavated and removed from the property during the site construction. Materials removed from the property under this Removal Action is generally classified, as follows: non-hazardous historical fill and/or petroleum

impacted soil, 7,289.06 tons; and soil exhibited high lead concentration, 183.37 tons. All soil/fill removal action was performed under the oversight of James Cressy.

In May 2019, three (3) 550-gallon abandoned gasoline USTs were removed from the southeastern portion of the Site. Petroleum impacted soil was encountered in the vicinity of the USTs. Over-excavation was performed to remove the impacted soil.

Groundwater was encountered at EL. 78 feet. Construction dewatering was performed from June 4, 2019 to December 18, 2019.

As part of the Site construction activities, excessive weathered bedrock material was excavated from the bottom of the cellar area (northeastern portion of the Site). CE has sampled the weathered bedrock and obtained approval from the NYSDEC for on-site re-use.

#### **4.3.1 Soil/Fill Removal**

Soil/fill removal was divided into five (5) zones. The boundaries of the zones can be referenced with **Figure 3**. The following is a summary of the excavation activities performed by zones.

##### Zone-1 (new building cellar):

From April 25, 2019 to August 2, 2019, soil/fill excavation was performed within the footprint of the new building Cellar (approximately 5,800 square feet), excavation was performed from grade (EL. 88 feet on the east side to EL. 86 on the west) to EL. 73.5 feet (cell slab top at EL. 77 feet, with 36-inch mat slab and 6 inches sub-base material), and to EL. 70 feet at selected areas for elevator pits. Solid bedrock was encountered at approximately EL. 75 feet. Groundwater was encountered at approximately EL. 78 feet.

Excavation in Zone-1 generally followed approved RWP (Figure 16). Chipped solid bedrock from EL. 75 to EL. 73 was re-used onsite, following proper sampling/handling protocols and NYSDEC approval. There was no other significant deviation in excavation area and/or depth in Zone-1.



Zone-2 (former fuel oil UST, “hot spot”):

From July 22, 2019 to August 2, 2019, excavation was performed on the northwestern portion of the Site. Petroleum impacted soil was excavated from the areas of the former USTs. Over excavation was performed to bedrock (approximately 11 feet bgs, or EL. 73 feet). Over-excavation was stopped by the neighboring building to the west and to the north. Excavation was performed to bedrock to remove source of significant contamination.

Due to significant petroleum odor encountered, a pneumatic foam unit was utilized for vapor suppression.

Excavation in Zone-2 generally followed approved RWP (Figure 16). The final excavation was approximately 1,100 square feet, compared to planned excavation of 625 square feet.

Zone-3 (garage and drainage structure of the new building):

From April 22, 2019 to February 19, 2020, excavation was performed on the southern portion of the Site to accommodate the new garage and the drainage structures (a combined area of 1,745 square feet) to 6 feet bgs.

Due to the migration of petroleum related contamination immediately above the bedrock from Zone-4, excavation in eastern portion of Zone-3 was extended to the bedrock (10 feet bgs, or EL. 74 feet) to facilitate source removal, compared to the planned excavation depth of 5 feet bgs (or EL. 80 feet) as described in the approved RWP (Figure 16).

Excavation in western portion of the Zone-3 was extended to EL. 78 feet to facilitate the installation of garage and drainage structures, following the approved RWP.

Zone-4 (former gasoline USTs)

In May 2019, three (3) 550-gallon abandoned gasoline USTs were removed from the southeastern portion of the Site. Petroleum impacted soil was encountered in the vicinity of the USTs. Over-excavation was performed to remove the impacted soil.

From July 22, 2019 to August 2, 2019, petroleum impacted soil was excavated from the areas of the former gasoline USTs. Over excavation was performed to bedrock (13 feet bgs, or EL. 75 feet). Over-excavation was stopped by the presence of sidewalk to the east and property boundary to the south.

Due to significant petroleum odor encountered, a pneumatic foam unit was utilized for vapor suppression.

The horizontal extents of the excavation in Zone-4 is approximately 950 square feet, larger than originally planned (235 square feet per approved RWP). Source removal was performed to the extent feasible.

#### Zone-5 (uncovered area on western border)

Excavation was performed on the southern western portion of the Site to remove top 2 feet of soil/fill for stone cap installation.

Excavation in Zone-5 generally followed approved RWP. There was no significant deviation in excavation area and/or depth in Zone-5.

Shallow soil in areas under building footprint not otherwise indicated were removed as necessary to accommodate paved parking surfaces.

Most of the historic fill material has been removed.

Excavation map is included in **Figures 3**.

### 4.3.2 Abandoned Tank Removal

In May 2019, three (3) 550-gallon abandoned gasoline USTs were removed from the southeastern portion of the Site. Petroleum impacted soil was encountered in the vicinity of the USTs. Over-excavation was performed to remove the impacted soil.

Prior to the start of the tank removal work, a decontamination pad was built to allow equipment used during the excavation and UST removal activities to be decontaminated. The pad was constructed on a stable on-site surface using 6-mil plastic sheeting. Upon completion of the excavation work, the decontamination pad was disposed of with impacted soils stockpile for off-site disposal at a permitted disposal facility.

Overburden soil excavated to facilitate the removal of the USTs was field screened to determine if the soil was potentially impacted. Non-impacted soil (<10 ppm on PID) was excavated and stockpiled on-site on 6-mil plastic and covered with 6-mil plastic for subsequent off-site disposal as historic fill.

The tank contents were removed, containerized and characterized for proper off-site disposal. The standing liquid was removed prior to tank removal. The tanks were in fair condition, with no visible perforations or deformation. Upon completion of inspection, the tanks were cut into manageable pieces and removed from the Site to be recycled. The tank removal was performed by Eastern Environmental.

Petroleum impacted soil was encountered during the UST removal in the vicinity of the tanks. Over-excavation was performed to remove the impacted soil. Excavation was performed to bedrock (approximately 11 feet below grade). The over-excavation was stopped by the sidewalk to the east and property boundary to the south.

Due to the over excavation performed and the endpoint samples collected for Zone-4, no additional confirmatory soil samples were collected for the tank removal.

The approximate locations of USTs are shown in **Figure 3**. The tank removal affidavit is included in **Appendix 8-7**.

### 4.3.3 Soil/Fill Disposal Details

#### Soil/Fill Waste Classification

On April 9, 2019, seven (7) test pits were installed on the Site for waste

characterization. A total of five (5) composite soil samples (COMP-1 through COMP-5) were collected. On April 22, 2019, one (1) additional waste characterization sample (COMP-6) was collected from the stockpiles. The waste characterization sampling was performed in response to the requirement by the disposal facilities. The samples were analyzed per disposal facility requirements. The waste characterization sampling results are summarized in **Table 2-1**. Potential disposal facilities were provided with copies of waste characterization test results, a summary of the soil profiling methodologies, and historical environmental reports prior to disposal.

### Soil/Fill Disposal

The soil disposal activities were conducted between April 25, 2019 to February 21, 2020. A total of 7,289.06 tons of non-hazardous soil/urban fill material and/or petroleum impacted soil was removed from the Site and properly disposed at Clean Earth of Carteret (Carteret, NJ). In addition, 183.37 tons of soil with high lead concentration was removed from the site and properly disposed at Clean Earth of Philadelphia (Philadelphia, PA).

All transport of materials was performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers were appropriately licensed and trucks properly placarded. Loaded vehicles leaving the Site were appropriately tarped, securely covered, and manifested in accordance with appropriate local, State, Federal and New York State Department of Transportation requirements (and all other applicable transportation requirements).

**Table 3-1** shows the total quantities of each category of material removed from the site and the disposal locations. A summary of the samples collected to characterize the waste, and associated analytical results are summarized on **Table 2-1**.

Letters from Applicants to disposal facility owners and acceptance letters from disposal facility owners are attached in **Appendix 8-3**.

Manifests and bills of lading are included in electronic format in **Appendix 8-6**.

#### **4.3.4 On-Site Reuse**

As part of the Site construction activities, excessive weathered and solid bedrock material was excavated from the bottom of the cellar area (Zone-1). The weathered bedrock was segregated, stored and tested following the RWP.

Approximately 800 cubic yards of weathered bedrock was reused on the site. Said material was utilized to backfill the over-excavated areas (Zone-2 and Zone-4). **Figure 4** shows the location of the origin and the location of placement of the re-used material. A summary of the laboratory analysis result of the reused material is included in **Table 6-1**. The NYSDEC approval for the re-use of the material is included in **Appendix 14**.

#### **4.3.5 Construction Dewatering and Groundwater Removal**

From June 4, 2019 to December 17, 2019, construction dewatering was performed at the Site. A total of 247,500 gallons groundwater was pumped from site excavation and discharged to City sanitary sewer.

A multi-point sump system was constructed with solid settling and carbon vessels. The extracted groundwater was treated onsite, discharged into the City sanitary sewer system, and conveyed to the WCDEF wastewater facilities. The equipment installed included sumps, swing arms, PVC header, 2-inch electric sump pumps, one (1) 18,000-gallon settling tank, two (2) duplex transfer pumps, duplex bag filters, two (2) 2,000-lb capacity active carbon vessels, flow meters, one (1) equalization tank, and interconnecting, hoses/piping/fittings.

Effluent samples were collected on monthly basis per WCDH requirements. The laboratory analysis performed on the effluent sample did not detect any target analytes at levels exceeding the WCDEF Local Limitations. The average flow rate was within permitted flow rate. The construction dewatering activities performed at the Site were in compliance with the state/county/local requirements.

The permits associated with the construction dewatering work are included in **Appendix 5**. The monthly compliance reports are included in **Appendix 6**.

#### 4.4 Remedial Performance/Documentation Sampling

A table and figure summarizing all end-point sampling is included in **Table 4-1** and **Figure 6**, respectively, and all exceedances of SCOs are highlighted.

Data Usability Summary Reports (DUSRs) were prepared for all data generated in this remedial performance evaluation program. These DUSRs are included in **Appendix 11**, and associated raw data is provided electronically in **Appendix 10**.

##### 4.4.1 Endpoint Sampling Results

The Restricted Residential SCOs (RRSCO) were generally achieved, with two (2) exceptions:

- PCBs (Aroclor 1254) was detected in EP-2 [11'] at 1,200 µg/Kg), exceeding the RRSCO.
- Several SVOCs were detected in EP-6 [9'] at levels exceeding the RRSCO, including benzo-a-anthracene at 1,700 µg/Kg, benzo-a-pyrene at 1,900 µg/Kg, benzo-b-fluoranthene at 1,500 µg/Kg, and indeno (1,2,3-cd) pyrene at 1,400 µg/Kg.

No VOCs were detected in any of the soil samples at concentrations above RRSCO.

Nickel and chromium exceeding UUSCO were detected throughout the site and in soil samples from the off-site monitoring wells, suggesting that there are elevated background levels.

Copper (maximum 162 mg/Kg at EP-19 [2']), lead (maximum 194 mg/Kg at EP-21 [2']), mercury (maximum at 0.65 at EP-18 [2']) and zinc (maximum 174 mg/Kg at EP-19 [2']) exceeding UUSCO but below RRSCO were detected in several endpoint samples.

PFOA & PFOS were detected in two (2) out of the eight (8) endpoint samples analyzed. PFOA has maximum 0.239 µg/Kg at EP-18 [2']. PFOS has maximum 0.956 µg/Kg at EP-19 [2']. Both were below the NYSDEC's PFAS guidance value for Restricted Residential and Protection of Groundwater.

A review of the endpoints samples as well as the RI samples concluded that all other VOCs/SVOCs/PCBs/Metals/Pesticides analytes other than the abovementioned exceptions have met RRSCO.

These residual concentrations of PCB and SVOCs above the RRSCO were evaluated to assess the potential for environmental and public health impact. This evaluation shows that the building is protected with a 3-ft mat slab and that exceedances in soils were all located in subsurface with no potential exposure pathways to occupants of the building. Similarly, despite elevated soil concentrations, groundwater does not exhibit exceedance of Groundwater Quality Standards for these analytes and there is no associated public health or environmental exposures. Finally, potential future exposures from soil excavation after the completion of the Remedial Action will be addressed by the development and implementation of the Site Management Plan.

On the basis of this evaluation, management of these soils in place was determined to be protective of public health and the environment.

Twenty (20) confirmation samples (EP-1 through EP-21, EP-14 not collected due to presence of bedrock) were collected from the base and sidewall of the excavation. A map of end-point sample locations is shown in **Figure 6**. A tabular summary of end-point sampling results compared to SCO's is included in **Table 4-1**. The original laboratory analysis report is presented in **Appendix 10**.

Phoenix Environmental Laboratories, Inc., a New York State ELAP certified lab, was utilized for all confirmation and end-point sample analyses. End-point samples were analyzed for compounds and elements as described above utilizing the following methodology:

Selected endpoint samples were analyzed for:

- Full Target Compound List (TCL) suite [volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and pesticides/ polychlorinated biphenyls (PCBs)];
- Target Analyte List (TAL) suite; and
- Per- and polyfluoroalkyl substances (PFAS).

#### **4.4.2 QA/QC for Endpoint Samples**

The sample staff (samplers) possessed a minimum of a B.A. Degree in the Earth, Space or Biological Sciences or a B.S. Degree in Engineering. Samplers had a minimum of one (1) year experience in environmental/geological field work. Additionally, all samplers had received mandatory forty-hour Occupational Safety and Health Administration (OSHA) training on working with potentially hazardous materials and appropriate Hazard Communication Program and "Right-To-Know" training.

Calibration of the PID was conducted prior to sampling using a span gas of known concentration. The PID utilized is a MiniRae 3000, photo ionization detection meter.

All sample vessels were "level A" certified decontaminated containers supplied by a New York State Certified Commercial Laboratory. All samples were preserved by cooling them to a temperature of approximately four degrees Celsius.

An essential part of liability reduction is the proper control of gathered evidence. To establish proper control, the following sample identification and chain-of custody procedures were followed.

Sample identification was executed by use of a sample tag, log book and chain-of-custody form. Said documentation provided the following information: 1) the project code; 2) the sample laboratory number; 3) the sample preservation; 4) instrument used for source sample grabs; 5) the composite medium used for source sample grabs; 6) the date the sample was secured from the source media; 7) the time the sample was secured from the source media; and 8) the person who secured the sample from the source media.

Due to the evidential nature of samples, possession was traceable from the time the samples were collected until they were received by the testing laboratory. A sample is considered under custody if it: is in a person's possession; is in a person's view, after being in possession; if it is in a person's possession and they lock it up; or, it is in a designated secure area. When transferring custody, the individuals relinquishing and receiving the samples sign, date and note the time on the Chain-of-Custody Form.



A designated sample custodian accepted custody of the shipped samples and verified that the information on the sample tags matched that on the Chain-of-Custody Records. Pertinent information as to shipment, pick-up, courier, etc., was entered in the "remarks" section. The custodian entered the sample tag data into a bound logbook.

The laboratory custodian used the sample tag number, or assigns a unique laboratory number to each sample tag, and assured that all samples were transferred to the proper analyst or stored in the appropriate source area. The laboratory custodian distributed samples to the appropriate analysts. Laboratory personnel were responsible for the care and custody of samples, from the time they were received, until the sample was exhausted or returned to the sample custodian. All identifying data sheets and laboratory records were retained as part of the permanent documentation. Samples received by the laboratory were retained until after analysis and quality assurance checks were completed.

#### **4.5 Imported Backfill**

A table of all sources of imported backfill with quantities for each source is shown in **Table 5-1**. A figure showing the site locations where backfill was used at the site is shown in **Figure 5**. The application for imported material and the NYSDEC approval is shown in **Appendix 13**.

From August 21, 2019 to February 20, 2020, 580.28 tons of clean ¾-inch crushed native granite was imported from Thalle Industries Inc. Fishkill Quarry (172 U.S. 9, Fishkill, NY 12524. NYSDOT Source No. 8-45R).

All imported material came from the NYSDEC approved facility with full documentation. All imported material was inspected upon delivery to ensure the qualities were in compliance.

#### **4.6 Contamination Remaining at the Site**

**Table 4-1** and **Figure 6** summarize the results of all soil samples remaining at the site after completion of Remedial Action that exceed the Restricted Residential SCOs.

Due to the presence of an existing neighboring building along the western border of the Subject Property, excavation in Zone-2 could not be extended all the way to the northwestern border. As evidenced by the endpoint sample EP-2 [11’], there is residual PCB contamination exceeding RRSCO in this area.

Excavation in Zone-1 was performed to the northern Site boundary. As evidenced by the endpoint EP-6 [9’], there is residual SVOC contamination exceeding RRSCO in this area.

Since contaminated soil 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 Site Cover System**

Exposure to remaining contamination in soil/fill at the site is prevented by a comprehensive cover system placed over the site. This cover system is comprised of a minimum of 24 inches of stone, asphalt pavement, concrete-covered sidewalks, and concrete building slabs. **Figure 8** shows the as-built cross sections for each remedial cover type used on the site. **Figure 7** shows the location of each cover type built at the Site.

An Excavation Work Plan, which outlines the procedures required in the event the cover system and/or underlying residual contamination are disturbed, is provided in **Appendix 2** of the SMP.

#### **4.8 Other Engineering Controls**

The remedy for the site did not require the construction of any other engineering control systems.

Although not considered a component of the remedy, a waterproofing membrane was installed beneath the basement foundation due to its proximity to the groundwater table. This waterproofing membrane consists of Preprufe® 300R PLUS by Grace Product,

which is a 46-mil HDPE liner beneath the building slab and outside the cellar wall. The contractor for the waterproofing membrane installation was DRI-TEC Waterproofing.

The certificate of installation is included in **Appendix 12**. A copy of manufacturer's specifications for the waterproofing membrane is included in **Appendix 12**. The location of the moisture barrier can be referenced with **Figure 9**.

#### **4.9 Institutional Controls**

The site remedy requires that an environmental easement be 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; (3) limit the use and development of the site to Restricted Residential uses only; (4) restrict the use of groundwater as a source of potable or process water; and (5) require compliance with the NYSDEC-approved Site Management Plan.

The environmental easement for the site was executed by the Department on September 25, 2020, and filed with the Westchester County Clerk on October 7, 2020. The County Recording Identifier number for this filing is 591483399. A copy of the easement and proof of filing is provided in **Appendix 3**.

#### **4.10 Deviations from the Remedial Work Plan**

During site excavation, petroleum impacted soil was observed at Zone-2 and Zone-4 in much larger areas as previously expected. Accordingly, extended excavations were performed to effectively remove source material to the extent feasible. Excavation was performed to bedrock in these areas. As a result, more soil/fill material was generated. Planned endpoint sample EP-14 could not be collected due to excavation to bedrock.

There was no other significant deviation from the RWP.

## Tables

**Table 1-1: Soil Cleanup Objectives for the Project**  
The Huguenot Site, New Rochelle, New York

Parameters	CAS Number	Unrestricted	Restricted Residential
<b>Metals</b>			
Arsenic	7440-38-2	13 <sup>c</sup>	16 <sup>f</sup>
Barium	7440-39-3	350 <sup>c</sup>	400
Beryllium	7440-41-7	7.2	72
Cadmium	7440-43-9	2.5 <sup>c</sup>	4.3
Chromium, hexavalent <sup>e</sup>	18540-29-9	1 <sup>b</sup>	110
Chromium, trivalent <sup>e</sup>	16065-83-1	30 <sup>c</sup>	180
Copper	7440-50-8	50	270
Total Cyanide <sup>e, f</sup>		27	27
Lead	7439-92-1	63 <sup>c</sup>	400
Manganese	7439-96-5	1600 <sup>c</sup>	2,000 <sup>f</sup>
Total Mercury		0.18 <sup>c</sup>	0.81 <sup>j</sup>
Nickel	7440-02-0	30	310
Selenium	7782-49-2	3.9 <sup>c</sup>	180
Silver	7440-22-4	2	180
Zinc	7440-66-6	109 <sup>c</sup>	10,000 <sup>d</sup>
<b>PCBs/Pesticides</b>			
2,4,5-TP Acid (Silvex) <sup>f</sup>	93-72-1	3.8	100 <sup>a</sup>
4,4'-DDE	72-55-9	0.0033 <sup>b</sup>	8.9
4,4'-DDT	50-29-3	0.0033 <sup>b</sup>	7.9
4,4'-DDD	72-54-8	0.0033 <sup>b</sup>	13
Aldrin	309-00-2	0.005 <sup>c</sup>	0.097
alpha-BHC	319-84-6	0.02	0.48
beta-BHC	319-85-7	0.036	0.36
Chlordane (alpha)	5103-71-9	0.094	4.2
delta-BHC <sup>g</sup>	319-86-8	0.04	100 <sup>a</sup>
Dibenzofuran <sup>f</sup>	132-64-9	7	59
Dieldrin	60-57-1	0.005 <sup>c</sup>	0.2
Endosulfan I <sup>d, f</sup>	959-98-8	2.4	24 <sup>i</sup>
Endosulfan II <sup>d, f</sup>	33213-65-9	2.4	24 <sup>i</sup>
Endosulfan sulfate <sup>d, f</sup>	1031-07-8	2.4	24 <sup>i</sup>
Endrin	72-20-8	0.014	11
Heptachlor	76-44-8	0.042	2.1
Lindane	58-89-9	0.1	1.3
Polychlorinated biphenyls	1336-36-3	0.1	1
<b>Semivolatile organic compounds</b>			
Acenaphthene	83-32-9	20	100 <sup>a</sup>
Acenaphthylene <sup>f</sup>	208-96-8	100 <sup>a</sup>	100 <sup>a</sup>
Anthracene <sup>f</sup>	120-12-7	100 <sup>a</sup>	100 <sup>a</sup>
Benz(a)anthracene <sup>f</sup>	56-55-3	1 <sup>c</sup>	1 <sup>f</sup>
Benzo(a)pyrene	50-32-8	1 <sup>c</sup>	1 <sup>f</sup>
Benzo(b)fluoranthene <sup>f</sup>	205-99-2	1 <sup>c</sup>	1 <sup>f</sup>
Benzo(g,h,i)perylene <sup>f</sup>	191-24-2	100	100 <sup>a</sup>
Benzo(k)fluoranthene <sup>f</sup>	207-08-9	0.8 <sup>c</sup>	3.9
Chrysene <sup>f</sup>	218-01-9	1 <sup>c</sup>	3.9
Dibenz(a,h)anthracene <sup>f</sup>	53-70-3	0.33 <sup>b</sup>	0.33 <sup>e</sup>
Fluoranthene <sup>f</sup>	206-44-0	100 <sup>a</sup>	100 <sup>a</sup>
Fluorene	86-73-7	30	100 <sup>a</sup>
Indeno(1,2,3-cd)pyrene <sup>f</sup>	193-39-5	0.5 <sup>c</sup>	0.5 <sup>f</sup>
m-Cresol <sup>f</sup>	108-39-4	0.33 <sup>b</sup>	100 <sup>a</sup>
Naphthalene <sup>f</sup>	91-20-3	12	100 <sup>a</sup>

**Table 1-1: Soil Cleanup Objectives for the Project**  
The Huguenot Site, New Rochelle, New York

Parameters	CAS Number	Unrestricted	Restricted Residential
o-Cresol <sup>f</sup>	95-48-7	0.33 <sup>b</sup>	100 <sup>a</sup>
p-Cresol <sup>f</sup>	106-44-5	0.33 <sup>b</sup>	100 <sup>a</sup>
Pentachlorophenol	87-86-5	0.8 <sup>b</sup>	6.7
Phenanthrene <sup>f</sup>	85-01-8	100	100 <sup>a</sup>
Phenol	108-95-2	0.33 <sup>b</sup>	100 <sup>a</sup>
Pyrene <sup>f</sup>	129-00-0	100	100 <sup>a</sup>
Volatile organic compounds			
1,1,1-Trichloroethane <sup>f</sup>	71-55-6	0.68	100 <sup>a</sup>
1,1-Dichloroethane <sup>f</sup>	75-34-3	0.27	26
1,1-Dichloroethene <sup>f</sup>	75-35-4	0.33	100 <sup>a</sup>
1,2-Dichlorobenzene <sup>f</sup>	95-50-1	1.1	100 <sup>a</sup>
1,2-Dichloroethane	107-06-2	0.02 <sup>c</sup>	3.1
cis -1,2-Dichloroethene <sup>f</sup>	156-59-2	0.25	100 <sup>a</sup>
trans-1,2-Dichloroethene <sup>f</sup>	156-60-5	0.19	100 <sup>a</sup>
1,3-Dichlorobenzene <sup>f</sup>	541-73-1	2.4	49
1,4-Dichlorobenzene	106-46-7	1.8	13
1,4-Dioxane	123-91-1	0.1 <sup>b</sup>	13
Acetone	67-64-1	0.05	100 <sup>b</sup>
Benzene	71-43-2	0.06	4.8
n-Butylbenzene <sup>f</sup>	104-51-8	12	100 <sup>a</sup>
Carbon tetrachloride <sup>f</sup>	56-23-5	0.76	2.4
Chlorobenzene	108-90-7	1.1	100 <sup>a</sup>
Chloroform	67-66-3	0.37	49
Ethylbenzene <sup>f</sup>	100-41-4	1	41
Hexachlorobenzene <sup>f</sup>	118-74-1	0.33 <sup>b</sup>	1.2
Methyl ethyl ketone	78-93-3	0.12	100 <sup>a</sup>
Methyl tert-butyl ether <sup>f</sup>	1634-04-4	0.93	100 <sup>a</sup>
Methylene chloride	75-09-2	0.05	100 <sup>a</sup>
n - Propylbenzene <sup>f</sup>	103-65-1	3.9	100 <sup>a</sup>
sec-Butylbenzene <sup>f</sup>	135-98-8	11	100 <sup>a</sup>
tert-Butylbenzene <sup>f</sup>	98-06-6	5.9	100 <sup>a</sup>
Tetrachloroethene	127-18-4	1.3	19
Toluene	108-88-3	0.7	100 <sup>a</sup>
Trichloroethene	79-01-6	0.47	21
1,2,4-Trimethylbenzene <sup>f</sup>	95-63-6	3.6	52
1,3,5-Trimethylbenzene <sup>f</sup>	108-67-8	8.4	52
Vinyl chloride <sup>f</sup>	75-01-4	0.02	0.9
Xylene (mixed)	1330-20-7	0.26	100 <sup>a</sup>

Note: all units are mg/Kg (ppm)  
Planned development of the site is for restricted-residential use.

**Table 2-1: Waste Characterization Results**  
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Unit	EPA Toxicity Chara.	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	COMP-1	COMP-2	COMP-3	COMP-4	COMP-5	
	Sample Date CAS					4/9/2019 Result	4/9/2019 Result	4/9/2019 Result	4/9/2019 Result	4/9/2019 Result	
<b>Miscellaneous/Inorganics</b>											
Percent Solid		%				87	87	87	89	85	
Corrosivity		Pos/Neg				Negative	Negative	Negative	Negative	Negative	
Flash Point		Degree F				>200	>200	>200	>200	>200	
Chromium, Hex. (SW3060 digestion)		mg/Kg				< 0.45	< 0.44	< 0.46	< 0.45	< 0.44	
Ignitability		degree F				Passed	Passed	Passed	Passed	Passed	
pH at 25C - Soil		pH Units				7.35	7	7.27	7.6	7	
Reactivity Cyanide		mg/Kg				< 5	< 5	< 6	< 5	< 6	
Reactivity Sulfide		mg/Kg				< 20	< 20	< 20	< 20	< 20	
Reactivity		Pos/Neg				Negative	Negative	Negative	Negative	Negative	
Redox Potential		mV				211	332	270	246	333	
Total Cyanide (SW9010C Distill.)		mg/Kg				< 0.52	< 0.57	< 0.52	< 0.51	< 0.53	
<b>Metals, Total</b>											
Aluminum, Al	7429-90-5	mg/Kg		NA	NA	13,300	18,200	18,700	15,500	21,400	
Antimony, Sb	7440-36-0	mg/Kg		NA	NA	< 3.5	< 3.5	< 3.6	< 3.3	< 4.0	
Arsenic, As	7440-38-2	mg/Kg		13	16	2.52	1.26	2.83	1.24	0.82	
Barium, Ba	7440-39-3	mg/Kg		350	400	103	120	165	157	203	
Beryllium, Be	7440-41-7	mg/Kg		7.2	72	0.45	0.53	0.53	0.43	0.51	
Cadmium, Cd	7440-43-9	mg/Kg		2.5	4.3	0.44	0.53	0.65	0.56	0.64	
Calcium, Ca	7440-70-2	mg/Kg		NA	NA	1,640	2,000	6,180	5,130	14,200	
Chromium, Cr	7440-47-3	mg/Kg		30	180	34.6	76.7	45.1	35.3	47.5	
Cobalt, Co	7440-48-4	mg/Kg		NA	NA	10.4	17.3	17.2	14.3	18.6	
Copper, Cu	7440-50-8	mg/kg		50	270	31.5	31.5	37.1	25.7	32.3	
Iron, Fe	7439-89-6	mg/Kg		NA	NA	20,100	29,100	31,300	25,400	35,700	
Lead, Pb	7439-92-1	mg/Kg		63	400	266	126	108	77.2	14.2	
Magnesium, Mg	7439-95-4	mg/Kg		NA	NA	3,610	8,050	7,900	5,760	15,300	
Manganese, Mn	7439-96-5	mg/Kg		1,600	2,000	376	746	729	747	757	
Mercury, Hg	7439-97-6	mg/Kg		0.18	0.81	0.58	0.24	< 0.07	0.06	< 0.03	
Nickel, Ni	7440-02-0	mg/Kg		30	310	45.1	84.5	45.6	39.2	43	
Potassium, K	9/7/7440	mg/Kg		NA	NA	2,750	5,040	5,830	5,900	10,300	
Selenium, Se	7782-49-2	mg/Kg		4	180	< 1.4	< 1.4	< 1.5	< 1.3	< 1.6	
Silver, Ag	7440-22-4	mg/Kg		2	180	< 0.35	< 0.35	< 0.36	< 0.33	< 0.40	
Sodium, Na	7440-23-5	mg/Kg		NA	NA	117	109	304	281	275	
Thallium, Tl	7440-28-0	mg/Kg		NA	NA	< 3.2	< 3.2	< 3.3	< 3.0	< 3.6	
Vanadium, V	7440-62-2	mg/Kg		NA	NA	30.3	38.5	47.1	38.2	53.7	
Zinc, Zn	7440-66-6	mg/Kg		109	10,000	77.1	69.6	90.6	75.6	68.9	
<b>Metals, TCLP</b>											
TCLP Arsenic	7440-38-2	mg/L	5			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
TCLP Barium	7440-39-3	mg/L	100			0.55	0.47	0.7	0.45	0.33	
TCLP Cadmium	7440-43-9	mg/L	1			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	
TCLP Chromium	7440-47-3	mg/L	5			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
TCLP Lead	7439-92-1	mg/L	5			0.43	0.52	0.24	0.2	< 0.10	
TCLP Mercury	7439-97-6	mg/L	0.2			< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	
TCLP Selenium	7782-49-2	mg/L	1			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
TCLP Silver	7440-22-4	mg/L	5			< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	
<b>PCBs By SW8082A</b>											
Aroclor 1016	12674-11-2	ug/Kg		100	1,000	< 380	< 380	< 370	< 370	< 390	
Aroclor 1221	11104-28-2	ug/Kg				< 380	< 380	< 370	< 370	< 370	< 390
Aroclor 1232	11141-16-5	ug/Kg				< 380	< 380	< 370	< 370	< 370	< 390
Aroclor 1242	53469-21-9	ug/Kg				< 380	< 380	< 370	< 370	< 370	< 390
Aroclor 1248	12672-29-6	ug/Kg				< 380	< 380	< 370	< 370	< 370	< 390
Aroclor 1254	11097-69-1	ug/Kg				< 380	< 380	< 370	< 370	< 370	< 390
Aroclor 1260	11096-82-5	ug/Kg				< 380	< 380	< 370	< 370	< 370	< 390
Aroclor 1262	37324-23-5	ug/Kg				< 380	< 380	< 370	< 370	< 370	< 390
Aroclor 1268	11100-14-4	ug/Kg				< 380	< 380	< 370	< 370	< 370	< 390

**Table 2-1: Waste Characterization Results**  
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Unit	EPA Toxicity Chara.	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	COMP-1	COMP-2	COMP-3	COMP-4	COMP-5
	Sample Date CAS					4/9/2019 Result	4/9/2019 Result	4/9/2019 Result	4/9/2019 Result	4/9/2019 Result
<b>Volatiles (TCL) By SW8260C</b>										
1,1,1-Trichloroethane	71-55-6	ug/kg		680	100,000	< 5.2	< 270	< 290	< 5.1	< 990
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
1,1,2-Trichloroethane	79-00-5	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
1,1-Dichloroethane	75-34-3	ug/kg		270	26,000	< 5.2	< 270	< 290	< 5.1	< 990
1,1-Dichloroethene	75-35-4	ug/kg		330	100,000	< 5.2	< 270	< 290	< 5.1	< 990
1,2,3-Trichlorobenzene	87-61-6	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
1,2,4-Trichlorobenzene	120-82-1	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
1,2-Dibromo-3-Chloropropane	96-12-8	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
1,2-Dibromoethane	106-93-4	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
1,2-Dichlorobenzene	95-50-1	ug/kg		1,100	100,000	< 5.2	< 270	< 290	< 5.1	< 990
1,2-Dichloroethane	107-06-2	ug/kg		20	3,100	< 5.2	< 270	< 290	< 5.1	< 990
1,2-Dichloropropane	78-87-5	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
1,3-Dichlorobenzene	541-73-1	ug/kg		2,400	49,000	< 5.2	< 270	< 290	< 5.1	< 990
1,4-Dichlorobenzene	106-46-7	ug/kg		1,800	13,000	< 5.2	< 270	< 290	< 5.1	< 990
2-Hexanone	591-78-6	ug/kg		NA	NA	< 26	< 1300	< 1500	< 26	< 4900
Methyl Isobutyl Ketone	108-10-1	ug/kg		NA	NA	< 26	< 1300	< 1500	< 26	< 4900
Acetone	67-64-1	ug/kg		50	100,000	< 52	< 2700	< 2900	< 51	< 9900
Benzene	71-43-2	ug/kg		60	4,800	< 5.2	< 270	< 290	< 5.1	< 990
Bromochloromethane	74-97-5	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
Bromodichloromethane	75-27-4	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
Bromoform	75-25-2	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
Bromomethane	74-83-9	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
Carbon Disulfide	75-15-0	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
Carbon Tetrachloride	56-23-5	ug/kg		760	2,400	< 5.2	< 270	< 290	< 5.1	< 990
Chlorobenzene	108-90-7	ug/kg		1,100	100,000	< 5.2	< 270	< 290	< 5.1	< 990
Chloroethane	75-00-3	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
Chloroform	67-66-3	ug/kg		370	49,000	< 5.2	< 270	< 290	< 5.1	< 990
Chloromethane	74-87-3	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
cis-1,2-Dichloroethene	156-59-2	ug/kg		250	100,000	< 5.2	< 270	< 290	< 5.1	< 990
cis-1,3-Dichloropropene	10061-01-5	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
Cyclohexane	110-82-7	ug/kg		NA	NA	< 5.2	3,800	< 290	< 5.1	< 990
Chlorodibromomethane	124-48-1	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
Dichlorodifluoromethane	75-71-8	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
Ethylbenzene	100-41-4	ug/kg		1,000	41,000	< 5.2	180	< 290	< 5.1	< 990
Isopropylbenzene	98-82-8	ug/kg		NA	NA	< 5.2	2,000	350	< 5.1	1,200
m&p-Xylene	179601-23-1	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
2-Butanone	78-93-3	ug/kg		NA	100,000	< 31	< 1600	< 1800	< 31	< 5900
Methyl Tert-Butyl Ether	1634-04-4	ug/kg		930	100,000	< 10	< 530	< 590	< 10	< 2000
Methylacetate	79-20-9	ug/kg		NA	NA	< 4.2	< 210	< 240	< 4.1	< 790
Methylcyclohexane	108-87-2	ug/kg		NA	NA	< 5.2	42,000	< 290	6.5	1,800
Methylene Chloride	75-09-2	ug/kg		50	100,000	< 26	< 1300	< 1500	< 26	< 4900
o-Xylene	95-47-6	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
Styrene	100-42-5	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
Tetrachloroethene	127-18-4	ug/kg		1,300	19,000	< 5.2	< 270	< 290	< 5.1	< 990
Toluene	108-88-3	ug/kg		700	100,000	< 5.2	< 270	< 290	< 5.1	< 990
Total Xylenes	1330-20-7	ug/kg		260	100000	< 5.2	< 270	< 290	< 5.1	< 990
trans-1,2-Dichloroethene	156-60-5	ug/kg		190	100,000	< 5.2	< 270	< 290	< 5.1	< 990
trans-1,3-Dichloropropene	10061-02-6	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
Trichloroethene	79-01-6	ug/kg		470	21,000	270	< 270	< 290	< 5.1	< 990
Trichlorofluoromethane	75-69-4	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
Trichlorotrifluoroethane	76-13-1	ug/kg		NA	NA	< 5.2	< 270	< 290	< 5.1	< 990
Vinyl Chloride	75-01-4	ug/kg		20	900	< 5.2	< 210	< 210	< 5.1	< 210



**Table 2-1: Waste Characterization Results**  
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Unit	EPA Toxicity Chara.	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	COMP-1	COMP-2	COMP-3	COMP-4	COMP-5
	Sample Date					4/9/2019	4/9/2019	4/9/2019	4/9/2019	4/9/2019
	CAS					Result	Result	Result	Result	Result
<b>Semivolatiles By SW8270D</b>										
1-1- Biphenyl	92-52-4	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
2,3,4,6-tetrachlorophenol	58-90-2	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
2,4,5-Trichlorophenol	95-95-4	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
2,4,6-Trichlorophenol	88-06-2	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
2,4-Dichlorophenol	120-83-2	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
2,4-Dimethylphenol	105-67-9	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
2,4-Dinitrophenol	51-28-5	ug/Kg		NA	NA	< 590	< 600	< 600	< 590	< 620
2,4-Dinitrotoluene	121-14-2	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
2,6-Dinitrotoluene	606-20-2	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
2-Chloronaphthalene	91-58-7	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
2-Chlorophenol	95-57-8	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
2-Methylnaphthalene	91-57-6	ug/Kg		NA	NA	< 260	3,400	< 260	< 260	12,000
2-Methylphenol	95-48-7	ug/Kg		330	100,000	< 260	< 260	< 260	< 260	< 270
2-Nitroaniline	88-74-4	ug/Kg		NA	NA	< 590	< 600	< 600	< 590	< 620
2-Nitrophenol	88-75-5	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
3+4 Methylphenol	NA	ug/Kg		NA	NA	< 370	< 370	< 380	< 370	< 380
3,3-Dichlorobenzidine	91-94-1	ug/Kg		NA	NA	< 450	< 450	< 450	< 440	< 460
3-Nitroaniline	99-09-2	ug/Kg		NA	NA	< 590	< 600	< 600	< 590	< 620
4,6-Dinitro-2-methylphenol	534-52-1	ug/Kg		NA	NA	< 1100	< 1100	< 1100	< 1100	< 1100
4-Bromophenyl-phenyl ether	101-55-3	ug/Kg		NA	NA	< 370	< 370	< 380	< 370	< 380
4-Chloro-3-methylphenol	59-50-7	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
4-Chloroaniline	106-47-8	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
4-Chlorophenyl phenyl ether	7005-72-3	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
4-Nitroaniline	100-01-6	ug/Kg		NA	NA	< 590	< 600	< 600	< 590	< 620
4-Nitrophenol	100-02-7	ug/Kg		NA	NA	< 1100	< 1100	< 1100	< 1100	< 1100
Acenaphthene	83-32-9	ug/Kg		20,000	100,000	< 260	< 260	< 260	< 260	< 270
Acenaphthylene	208-96-8	ug/Kg		100,000	100,000	< 260	< 260	< 260	260	< 270
Acetophenone	98-86-2	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
Anthracene	120-12-7	ug/Kg		100,000	100,000	< 260	< 260	< 260	< 260	290
Atrazine	1912-24-9	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
Benzo-a-Anthracene	56-55-3	ug/Kg		1,000	1,000	< 260	< 260	< 260	460	< 270
Benzaldehyde	100-52-7	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
Benzo-a-Pyrene	50-32-8	ug/Kg		1,000	1,000	< 260	< 260	< 260	530	< 270
Benzo-b-Fluoranthene	205-99-2	ug/Kg		1,000	1,000	< 260	< 260	< 260	600	< 270
Benzo-g,h,i-Perylene	191-24-2	ug/Kg		100,000	100,000	< 260	< 260	< 260	330	< 270
Benzo-k-Fluoranthene	207-08-9	ug/Kg		800	3,900	< 260	< 260	< 260	590	< 270
Butylbenzylphthalate	85-68-7	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
Bis(2-Chloroethoxy)methane	111-91-1	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
Bis(2-Chloroethyl)ether	111-44-4	ug/Kg		NA	NA	< 370	< 370	< 380	< 370	< 380
Bis(2-Chloroisopropyl)ether	39638-32-9	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
Bis(2-Ethylhexyl)Phthalate	117-81-7	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
Caprolactam	105-60-2	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
Carbazole	86-74-8	ug/Kg		NA	NA	< 370	< 370	< 380	< 370	< 380
Chrysene	218-01-9	ug/Kg		1,000	3,900	< 260	< 260	< 260	560	< 270
Dibenzo-a,h-Anthracene	53-70-3	ug/Kg		330	330	< 190	< 190	< 190	< 180	< 190
Dibenzofuran	132-64-9	ug/Kg		7,000	59,000	< 260	< 260	< 260	< 260	590
Diethyl Phthalate	84-66-2	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
Dimethyl Phthalate	131-11-3	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
Di-n-Butyl Phthalate	84-74-2	ug/Kg		NA	NA	< 740	< 740	< 750	< 730	< 770
Di-n-Octyl Phthalate	117-84-0	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
Fluoranthene	206-44-0	ug/Kg		100,000	100,000	< 260	< 260	450	1,500	< 270
Fluorene	86-73-7	ug/Kg		30,000	100,000	< 260	< 260	< 260	< 260	950
Hexachlorobenzene	118-74-1	ug/Kg		330	1200	< 260	< 260	< 260	< 260	< 270
Hexachlorobutadiene	87-68-3	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
Hexachlorocyclopentadiene	77-47-4	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
Hexachloroethane	67-72-1	ug/Kg		NA	NA	< 260	< 260	< 260	< 260	< 270
Indeno(1,2,3-cd)Pyrene	193-39-5	ug/Kg		500	500	< 260	< 260	< 260	470	< 270
Isophorone	78-59-1	ug/Kg		NA	NA	< 260	< 3000	< 260	< 260	< 270
Naphthalene	91-20-3	ug/Kg		12,000	100,000	< 260	< 260	< 260	< 260	2,700
Nitrobenzene	98-95-3	ug/Kg		NA	15000	< 260	< 260	< 260	< 260	< 270
N-Nitrosodimethylamine	62-75-9	ug/Kg		NA	NA	< 370	< 370	< 380	< 370	< 380
N-Nitroso-di-n-Propylamine	621-64-7	ug/Kg		NA	NA	< 190	< 190	< 190	< 180	< 190

**Table 2-1: Waste Characterization Results**  
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Unit	EPA Toxicity Chara.	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	COMP-1	COMP-2	COMP-3	COMP-4	COMP-5
	Sample Date					4/9/2019	4/9/2019	4/9/2019	4/9/2019	4/9/2019
	CAS					Result	Result	Result	Result	Result
N-Nitrosodiphenylamine	86-30-6	ug/Kg		NA	NA	< 370	< 370	< 380	< 370	< 380
Pentachlorophenol	87-86-5	ug/Kg		800b	6,700	< 370	< 370	< 380	< 370	< 380
Phenanthrene	85-01-8	ug/Kg		100,000	100,000	< 260	< 260	290	370	1,900
Phenol	108-95-2	ug/Kg		330	100,000	< 260	< 260	< 260	< 260	< 270
Pyrene	129-00-0	ug/Kg		100,000	100,000	< 260	< 260	400	1,300	< 270
<b>Pesticides - Soil By SW8081B</b>										
4,4-DDD	72-54-8	ug/Kg		3	13,000	< 2.3	< 2.3	< 2.2	< 2.2	< 2.3
4,4-DDE	72-55-9	ug/Kg		3	8,900	< 2.3	< 2.3	< 2.2	< 2.2	< 2.3
4,4-DDT	50-29-3	ug/Kg		3	7,900	< 2.3	< 2.3	< 2.2	3.2	< 2.3
alpha-BHC	319-84-6	ug/Kg		20	480	< 7.6	< 7.5	< 7.5	< 7.4	< 7.7
Chlordane	5103-71-9	ug/Kg		94	4200	< 3.8	< 3.8	< 3.7	< 3.7	< 3.9
Aldrin	309-00-2	ug/Kg		5	97	< 3.8	< 3.8	< 3.7	< 3.7	< 3.9
beta-BHC	319-85-7	ug/Kg		36	360	< 7.6	< 7.5	< 7.5	< 7.4	< 7.7
Chlordane	57-74-9	ug/Kg		94	4200	< 38	< 38	< 37	< 37	< 39
delta-BHC	319-86-8	ug/Kg		40	100,000	< 7.6	< 7.5	< 7.5	< 7.4	< 7.7
Dieldrin	60-57-1	ug/Kg		5	200	< 3.8	< 3.8	< 3.7	< 3.7	< 3.9
Endosulfan I	959-98-8	ug/Kg		2,400	24,000	< 7.6	< 7.5	< 7.5	< 7.4	< 7.7
Endosulfan II	33213-65-9	ug/Kg		2,400	24,000	< 7.6	< 7.5	< 7.5	< 7.4	< 7.7
Endosulfan Sulfate	1031-07-8	ug/Kg		2,400	24,000	< 7.6	< 7.5	< 7.5	< 7.4	< 7.7
Endrin	72-20-8	ug/Kg		14	11,000	< 7.6	< 7.5	< 7.5	< 7.4	< 7.7
Endrin Aldehyde	7421-93-4	ug/Kg		NA	NA	< 7.6	< 7.5	< 7.5	< 7.4	< 7.7
Endrin Ketone	53494-70-5	ug/Kg		NA	NA	< 7.6	< 7.5	< 7.5	< 7.4	< 7.7
gamma-BHC	58-89-9	ug/Kg		100	1300	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
gamma-chlordane	5103-74-2	ug/Kg		NA	NA	< 3.8	< 3.8	< 3.7	< 3.7	< 3.9
Heptachlor	76-44-8	ug/Kg		42	2100	< 7.6	< 7.5	< 7.5	< 7.4	< 7.7
Heptachlor Epoxide	1024-57-3	ug/Kg		NA	NA	< 7.6	< 7.5	< 7.5	< 7.4	< 7.7
Methoxychlor	72-43-5	ug/Kg		NA	NA	< 38	< 38	< 37	< 37	< 39
Toxaphene	8001-35-2	ug/Kg		NA	NA	< 150	< 150	< 150	< 150	< 150
<b>NJ EPH Category 2 By NJEPH 10-08 R3</b>										
Total EPH (C9-C40)	NA	mg/kg		NA	NA	< 57	290	< 57	< 56	890
<b>Chlorinated Herbicides By SW8151A</b>										
2,4,5-T	93-76-5	ug/Kg		NA	NA	< 95	< 95	< 94	< 93	< 97
2,4,5-TP Azcid	93-72-1	ug/Kg		3,800	100,000	< 95	< 95	< 94	< 93	< 97
2,4-D	94-75-7	ug/Kg		NA	NA	< 190	< 190	< 190	< 190	< 190
2,4-DB	94-82-6	ug/Kg		NA	NA	< 1900	< 1900	< 1900	< 1900	< 1900
Dalapon	75-99-0	ug/Kg		NA	NA	< 95	< 95	< 94	< 93	< 97
Dicamba	1918-00-9	ug/Kg		NA	NA	< 95	< 95	< 94	< 93	< 97
Dichloroprop	120-36-5	ug/Kg		NA	NA	< 190	< 190	< 190	< 190	< 190
Dinoseb	88-85-7	ug/Kg		NA	NA	< 190	< 190	< 190	< 190	< 190
<b>1,4-dioxane By SW8260C</b>										
1,4-Dioxane	123-91-1	ug/kg		100	13,000	<78	<4000	<4400	<77	<9800

Notes:

µg/Kg: microgram per kilogram (ppb)

mg/Kg: miligram per kilogram (ppm)

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

**Table 2-1: Waste Characterization Results**  
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Unit	EPA Toxicity Characteristics	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	COMP-6
	Sample Date					4/22/2019
	CAS					Result
<b>Miscellaneous/Inorganics</b>						
Percent Solid		%				90
Corrosivity		Pos/Neg				Negative
Flash Point		Degree F				>200
Ignitability		degree F				Passed
pH at 25C - Soil		pH Units				8.29
Reactivity Cyanide		mg/Kg				< 5
Reactivity Sulfide		mg/Kg				< 20
Reactivity		Pos/Neg				Negative
<b>Metals, Total</b>						
Arsenic, As	7440-38-2	mg/Kg		13	16	16.4
Barium, Ba	7440-39-3	mg/Kg		350	400	224
Cadmium, Cd	7440-43-9	mg/Kg		2.5	4.3	2.04
Chromium, Cr	7440-47-3	mg/Kg		30	180	21.7
Copper, Cu	7440-50-8	mg/kg		50	270	150
Lead, Pb	7439-92-1	mg/Kg		63	400	2,630
Mercury, Hg	7439-97-6	mg/Kg		0.18	0.81	1.14
Nickel, Ni	7440-02-0	mg/Kg		30	310	23.6
Selenium, Se	7782-49-2	mg/Kg		3.9	180	< 1.5
Silver, Ag	7440-22-4	mg/Kg		2	180	< 1
Zinc, Zn	7440-66-6	mg/Kg		109	10000	419
<b>Metals, TCLP</b>						
TCLP Arsenic	7440-38-2	mg/L	5			< 0.10
TCLP Barium	7440-39-3	mg/L	100			0.88
TCLP Cadmium	7440-43-9	mg/L	1			< 0.050
TCLP Chromium	7440-47-3	mg/L	5			< 0.10
TCLP Copper	7440-50-8	mg/L				0.17
TCLP Lead	7439-92-1	mg/L	5			1.87
TCLP Mercury	7439-97-6	mg/L	0.2			< 0.0002
TCLP Nickel	7440-02-0	mg/L				< 0.10
TCLP Selenium	7782-49-2	mg/L	1			< 0.10
TCLP Silver	7440-22-4	mg/L	5			< 0.10
TCLP Zinc	7440-66-6	mg/L				2.07
<b>TPH By SW8015D TPH</b>						
TPH to C44	PHNX - DRO	mg/Kg				< 360
<b>PCBs By SW8082A</b>						
Aroclor 1016	12674-11-2	µg/Kg		100	1,000	< 360
Aroclor 1221	11104-28-2	µg/Kg				< 360
Aroclor 1232	11141-16-5	µg/Kg				< 360
Aroclor 1242	53469-21-9	µg/Kg				< 360
Aroclor 1248	12672-29-6	µg/Kg				< 360
Aroclor 1254	11097-69-1	µg/Kg				< 360
Aroclor 1260	11096-82-5	µg/Kg				< 360
Aroclor 1262	37324-23-5	µg/Kg				< 360
Aroclor 1268	11100-14-4	µg/Kg				< 360

**Table 2-1: Waste Characterization Results**  
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Unit	EPA Toxicity Characteristics	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	COMP-6
	Sample Date					4/22/2019
	CAS					Result
<b>Volatiles By SW8260C</b>						
1,1,1,2-Tetrachloroethane	630-20-6	µg/Kg		NA	NA	< 6.4
1,1,1-Trichloroethane	71-55-6	µg/Kg		680	100000	< 6.4
1,1,2,2-Tetrachloroethane	79-34-5	µg/Kg		NA	NA	< 6.4
1,1,2-Trichloroethane	79-00-5	µg/Kg		NA	NA	< 6.4
1,1-Dichloroethane	75-34-3	µg/Kg		270	26000	< 6.4
1,1-Dichloroethane	75-35-4	µg/Kg		330	100000	< 6.4
1,1-Dichloropropene	563-58-6	µg/Kg		NA	NA	< 6.4
1,2,3-Trichlorobenzene	87-61-6	µg/Kg		NA	NA	< 6.4
1,2,3-Trichloropropane	96-18-4	µg/Kg		NA	NA	< 6.4
1,2,4-Trichlorobenzene	120-82-1	µg/Kg		NA	NA	< 6.4
1,2,4-Trimethylbenzene	95-63-6	µg/Kg		3600	52000	< 6.4
1,2-Dibromo-3-Chloropropane	96-12-8	µg/Kg		NA	NA	< 6.4
1,2-Dibromoethane	106-93-4	µg/Kg		NA	NA	< 6.4
1,2-Dichlorobenzene	95-50-1	µg/Kg		1100	100000	< 6.4
1,2-Dichloroethane	107-06-2	µg/Kg		20	3100	< 6.4
1,2-Dichloropropane	78-87-5	µg/Kg		NA	NA	< 6.4
1,3,5-Trimethylbenzene	108-67-8	µg/Kg		8400	52000	< 6.4
1,3-Dichlorobenzene	541-73-1	µg/Kg		2400	49000	< 6.4
1,3-Dichloropropane	142-28-9	µg/Kg		NA	NA	< 6.4
1,4-Dichlorobenzene	106-46-7	µg/Kg		1800	13000	< 6.4
2,2-Dichloropropane	594-20-7	µg/Kg		NA	NA	< 6.4
2-Chlorotoluene	95-49-8	µg/Kg		NA	NA	< 6.4
2-Hexanone	591-78-6	µg/Kg		NA	NA	< 32
2-Isopropyltoluene	527-84-4	µg/Kg		NA	NA	< 6.4
4-Chlorotoluene	106-43-4	µg/Kg		NA	NA	< 6.4
Methyl Isobutyl Ketone	108-10-1	µg/Kg		NA	NA	< 32
Acetone	67-64-1	µg/Kg		50	100000	< 32
Acrylonitrile	107-13-1	µg/Kg		NA	NA	< 13
Benzene	71-43-2	µg/Kg		60	4800	< 6.4
Bromobenzene	108-86-1	µg/Kg		NA	NA	< 6.4
Bromochloromethane	74-97-5	µg/Kg		NA	NA	< 6.4
Bromodichloromethane	75-27-4	µg/Kg		NA	NA	< 6.4
Bromoform	75-25-2	µg/Kg		NA	NA	< 6.4
Bromomethane	74-83-9	µg/Kg		NA	NA	< 6.4
Carbon Disulfide	75-15-0	µg/Kg		NA	NA	< 6.4
Carbon Tetrachloride	56-23-5	µg/Kg		760	2400	< 6.4
Chlorobenzene	108-90-7	µg/Kg		1100	100000	< 6.4
Chloroethane	75-00-3	µg/Kg		NA	NA	< 6.4
Chloroform	67-66-3	µg/Kg		370	49000	< 6.4
Chloromethane	74-87-3	µg/Kg		NA	NA	< 6.4
cis-1,2-Dichloroethene	156-59-2	µg/Kg		250	100000	< 6.4
cis-1,3-Dichloropropene	10061-01-5	µg/Kg		NA	NA	< 6.4
Chlorodibromomethane	124-48-1	µg/Kg		NA	NA	< 6.4

**Table 2-1: Waste Characterization Results**  
 381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Unit	EPA Toxicity Characteristics	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	COMP-6
	Sample Date					4/22/2019
	CAS					Result
Dibromomethane	74-95-3	µg/Kg		NA	NA	< 6.4
Dichlorodifluoromethane	75-71-8	µg/Kg		NA	NA	< 6.4
Ethylbenzene	100-41-4	µg/Kg		1000	41000	< 6.4
Hexachlorobutadiene	87-68-3	µg/Kg		NA	NA	< 6.4
Isopropylbenzene	98-82-8	µg/Kg		NA	NA	< 6.4
m&p-Xylene	179601-23-1	µg/Kg		NA	NA	< 6.4
2-Butanone	78-93-3	µg/Kg		NA	100000	< 32
Methyl Tert-Butyl Ether	1634-04-4	µg/Kg		930	100000	< 13
Methylene Chloride	75-09-2	µg/Kg		50	100000	< 13
Naphthalene	91-20-3	µg/Kg		12000	100000	< 6.4
n-Butylbenzene	104-51-8	µg/Kg		12000	100000	< 6.4
n-Propylbenzene	103-65-1	µg/Kg		3900	100000	< 6.4
o-Xylene	95-47-6	µg/Kg		NA	NA	< 6.4
p-Isopropyltoluene	99-87-6	µg/Kg		NA	NA	< 6.4
sec-Butylbenzene	135-98-8	µg/Kg		11000	100000	< 6.4
Styrene	100-42-5	µg/Kg		NA	NA	< 6.4
tert-Butylbenzene	98-06-6	µg/Kg		5900	100000	< 6.4
Tetrachloroethene	127-18-4	µg/Kg		1300	19000	< 6.4
Tetrahydrofuran	109-99-9	µg/Kg		NA	NA	< 13
Toluene	108-88-3	µg/Kg		700	100000	< 6.4
Total Xylenes	1330-20-7	µg/Kg		260	100000	< 6.4
trans-1,2-Dichloroethene	156-60-5	µg/Kg		190	100000	< 6.4
trans-1,3-Dichloropropene	10061-02-6	µg/Kg		NA	NA	< 6.4
trans-1,4-dichloro-2-butene	110-57-6	µg/Kg		NA	NA	< 13
Trichloroethene	79-01-6	µg/Kg		470	21000	< 6.4
Trichlorofluoromethane	75-69-4	µg/Kg		NA	NA	< 6.4
Trichlorotrifluoroethane	76-13-1	µg/Kg		NA	NA	< 6.4
Vinyl Chloride	75-01-4	µg/Kg		20	900	< 6.4
<b>TCLP Volatiles By SW8260C</b>						
1,1-Dichloroethene	75-35-4	µg/L	700	330	100000	< 50
1,2-Dichloroethane	107-06-2	µg/L	500	20	3100	< 50
Benzene	71-43-2	µg/L	500	60	4800	< 50
Carbon Tetrachloride	56-23-5	µg/L	500	760	2400	< 50
Chlorobenzene	108-90-7	µg/L	100,000	1,100	100,000	< 50
Chloroform	67-66-3	µg/L	6,000	370	49,000	< 50
2-Butanone	78-93-3	µg/L	200,000	NA	100,000	< 50
Tetrachloroethene	127-18-4	µg/L	700	1300	19000	< 50
Trichloroethene	79-01-6	µg/L	500	470	21000	< 50
Vinyl Chloride	75-01-4	µg/L	200	20	900	< 50

**Table 2-1: Waste Characterization Results**  
 381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Unit	EPA Toxicity Characteristics	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	COMP-6
	Sample Date					4/22/2019
	CAS					Result
<b>TCLP Pesticides By SW8081B</b>						
4,4-DDD	72-54-8	µg/L		3.3	13000	< 1.0
4,4-DDE	72-55-9	µg/L		3.3	8900	< 1.0
4,4-DDT	50-29-3	µg/L		3.3	7900	< 1.0
alpha-BHC	319-84-6	µg/L		20	480	< 0.50
Alachlor	15972-60-8	µg/L				< 0.50
Aldrin	309-00-2	µg/L		5	97	< 0.50
beta-BHC	319-85-7	µg/L		36	360	< 0.50
Chlordane	57-74-9	µg/L	30	94	4200	< 5.0
delta-BHC	319-86-8	µg/L		40	100000	< 0.50
Dieldrin	60-57-1	µg/L		5	200	< 1.0
Endosulfan I	959-98-8	µg/L		2400	24000	< 0.50
Endosulfan II	33213-65-9	µg/L		2400	24000	< 1.0
Endosulfan Sulfate	1031-07-8	µg/L		2400	24000	< 1.0
Endrin	72-20-8	µg/L	20	14	11000	< 1.0
Endrin Aldehyde	7421-93-4	µg/L		NA	NA	< 1.0
g-BHC (Lindane)	58-89-9	µg/L	400			< 0.50
Heptachlor	76-44-8	µg/L	8	42	2100	< 0.50
Heptachlor Epoxide	1024-57-3	µg/L		NA	NA	< 0.50
Methoxychlor	72-43-5	µg/L	10,000	NA	NA	< 0.50
Toxaphene	8001-35-2	µg/L	500	NA	NA	< 20
<b>TCLP Herbicides By SW8151A</b>						
2,4,5-TP Azcid	93-72-1	µg/L	1,000	3,800	100,000	< 8.3
2,4-D	94-75-7	µg/L	10,000	NA	NA	< 17
<b>TCLP Acid/Base-Neutral By SW8270D</b>						
1,4-Dichlorobenzene	106-46-7	µg/L	7,500	1,800	13,000	< 83
2,4,5-Trichlorophenol	95-95-4	µg/L	400,000	NA	NA	< 83
2,4,6-Trichlorophenol	88-06-2	µg/L	2,000	NA	NA	< 83
2,4-Dinitrotoluene	121-14-2	µg/L	130	NA	NA	< 83
2-Methylphenol	95-48-7	µg/L	200,000	330	100,000	< 83
3+4 Methylphenol	NA	µg/L		NA	NA	< 83
Hexachlorobenzene	118-74-1	µg/L	130	330	1200	< 83
Hexachlorobutadiene	87-68-3	µg/L	500	NA	NA	< 83
Hexachloroethane	67-72-1	µg/L	3,000	NA	NA	< 83
Nitrobenzene	98-95-3	µg/L	2,000	NA	15,000	< 83
Pentachlorophenol	87-86-5	µg/L	100,000	800b	6,700	< 83
Pyridine	110-86-1	µg/L	35,000	NA	NA	< 83

**Table 2-1: Waste Characterization Results**  
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Unit	EPA Toxicity Characteristics	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	COMP-6
	Sample Date					4/22/2019
	CAS					Result
<b>Semivolatiles By SW8270D</b>						
1,2,4,5-Tetrachlorobenzene	95-94-3	µg/Kg		NA	NA	< 250
1,2,4-Trichlorobenzene	120-82-1	µg/Kg		NA	NA	< 250
1,2-Dichlorobenzene	95-50-1	µg/Kg		1100	100000	< 250
1,2-Diphenylhydrazine	122-66-7	µg/Kg		NA	NA	< 360
1,3-Dichlorobenzene	541-73-1	µg/Kg		2400	49000	< 250
1,4-Dichlorobenzene	106-46-7	µg/Kg		1800	13000	< 250
2,4,5-Trichlorophenol	95-95-4	µg/Kg		NA	NA	< 250
2,4,6-Trichlorophenol	88-06-2	µg/Kg		NA	NA	< 250
2,4-Dichlorophenol	120-83-2	µg/Kg		NA	NA	< 250
2,4-Dimethylphenol	105-67-9	µg/Kg		NA	NA	< 250
2,4-Dinitrophenol	51-28-5	µg/Kg		NA	NA	< 360
2,4-Dinitrotoluene	121-14-2	µg/Kg		NA	NA	< 250
2,6-Dinitrotoluene	606-20-2	µg/Kg		NA	NA	< 250
2-Chloronaphthalene	91-58-7	µg/Kg		NA	NA	< 250
2-Chlorophenol	95-57-8	µg/Kg		NA	NA	< 250
2-Methylnaphthalene	91-57-6	µg/Kg		NA	NA	< 250
2-Methylphenol	95-48-7	µg/Kg		330	100000	< 250
2-Nitroaniline	88-74-4	µg/Kg		NA	NA	< 360
2-Nitrophenol	88-75-5	µg/Kg		NA	NA	< 250
3+4 Methylphenol	NA	µg/Kg		NA	NA	< 360
3,3-Dichlorobenzidine	91-94-1	µg/Kg		NA	NA	< 250
3-Nitroaniline	99-09-2	µg/Kg		NA	NA	< 360
4,6-Dinitro-2-methylphenol	534-52-1	µg/Kg		NA	NA	< 360
4-Bromophenyl-phenyl ether	101-55-3	µg/Kg		NA	NA	< 360
4-Chloro-3-methylphenol	59-50-7	µg/Kg		NA	NA	< 250
4-Chloroaniline	106-47-8	µg/Kg		NA	NA	< 250
4-Chlorophenyl phenyl ether	7005-72-3	µg/Kg		NA	NA	< 250
4-Nitroaniline	100-01-6	µg/Kg		NA	NA	< 580
4-Nitrophenol	100-02-7	µg/Kg		NA	NA	< 250
Acenaphthene	83-32-9	µg/Kg		20000	100000	< 250
Acenaphthylene	208-96-8	µg/Kg		100000	100000	< 250
Acetophenone	98-86-2	µg/Kg		NA	NA	< 250
Aniline	62-53-3	µg/Kg		NA	100000	< 360
Anthracene	120-12-7	µg/Kg		100000	100000	< 250
Benzo-a-Anthracene	56-55-3	µg/Kg		1000	1000	1,100
Benzdine	92-87-5	µg/Kg		NA	NA	< 250
Benzo-a-Pyrene	50-32-8	µg/Kg		1000	1000	2,200
Benzo-b-Fluoranthene	205-99-2	µg/Kg		1000	1000	1,400
Benzo-g,h,i-Perylene	191-24-2	µg/Kg		100000	100000	750
Benzo-k-Fluoranthene	207-08-9	µg/Kg		800	3900	950
Benzoic Acid	65-85-0	µg/Kg		NA	NA	< 730

**Table 2-1: Waste Characterization Results**  
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Unit	EPA Toxicity Characteristics	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	COMP-6
	Sample Date					4/22/2019
	CAS					Result
Butylbenzylphthalate	85-68-7	µg/Kg		NA	NA	< 250
Bis(2-Chloroethoxy)methane	111-91-1	µg/Kg		NA	NA	< 250
Bis(2-Chloroethyl)ether	111-44-4	µg/Kg		NA	NA	< 360
Bis(2-Chloroisopropyl)ether	39638-32-9	µg/Kg		NA	NA	< 250
Bis(2-Ethylhexyl)Phthalate	117-81-7	µg/Kg		NA	NA	< 250
Carbazole	86-74-8	µg/Kg		NA	NA	< 360
Chrysene	218-01-9	µg/Kg		1000	3900	1,100
Dibenzo-a,h-Anthracene	53-70-3	µg/Kg		330	330	350
Dibenzofuran	132-64-9	µg/Kg		7000	59000	< 250
Diethyl Phthalate	84-66-2	µg/Kg		NA	NA	< 250
Dimethyl Phthalate	131-11-3	µg/Kg		NA	NA	< 250
Di-n-Butyl Phthalate	84-74-2	µg/Kg		NA	NA	< 360
Di-n-Octyl Phthalate	117-84-0	µg/Kg		NA	NA	< 250
Fluoranthene	206-44-0	µg/Kg		100000	100000	2,900
Fluorene	86-73-7	µg/Kg		30000	100000	< 250
Hexachlorobenzene	118-74-1	µg/Kg		330	1200	< 250
Hexachlorobutadiene	87-68-3	µg/Kg		NA	NA	< 250
Hexachlorocyclopentadiene	77-47-4	µg/Kg		NA	NA	< 250
Hexachloroethane	67-72-1	µg/Kg		NA	NA	< 250
Indeno(1,2,3-cd)Pyrene	193-39-5	µg/Kg		500	500	1,000
Isophorone	78-59-1	µg/Kg		NA	NA	< 250
Naphthalene	91-20-3	µg/Kg		12000	100000	< 250
Nitrobenzene	98-95-3	µg/Kg		NA	15000	< 250
N-Nitrosodimethylamine	62-75-9	µg/Kg		NA	NA	< 360
N-Nitroso-di-n-Propylamine	621-64-7	µg/Kg		NA	NA	< 250
N-Nitrosodiphenylamine	86-30-6	µg/Kg		NA	NA	< 360
Pentachloronitrobenzene	82-68-8	µg/Kg		NA	NA	< 360
Pentachlorophenol	87-86-5	µg/Kg		800b	6700	< 360
Phenanthrene	85-01-8	µg/Kg		100000	100000	1,200
Phenol	108-95-2	µg/Kg		330	100000	< 250
Pyrene	129-00-0	µg/Kg		100000	100000	2,300
Pyridine	110-86-1	µg/Kg		NA	NA	< 360
<b>Gasoline Range Hydrocarbons (C6-C10) By SW8015D</b>						
GRO (C6-C10)	PHNX - GRO	mg/Kg				< 5.4

Notes:

µg/Kg: microgram per kilogram (ppb)

mg/Kg: milligram per kilogram (ppm)

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives



**Table 3-1: Off-Site Soil Waste Disposal Volumes and Facilities**  
The Huguenot Site, New Rochelle, New York

Approval	Facility	Date	Time	Truck	Manifest	Net
193070550	Clean Earth of Carteret	4/25/2019	08:02 AM	07VAL256	1678209	23.24
193070550	Clean Earth of Carteret	4/25/2019	08:19 AM	07VAL264	1678208	24.52
193070550	Clean Earth of Carteret	4/25/2019	08:24 AM	07VAL260	1678207	26.54
193070550	Clean Earth of Carteret	4/25/2019	08:30 AM	07VAL261	1678206	25.68
193070550	Clean Earth of Carteret	4/25/2019	11:08 AM	07VAL275	1678202	25.71
193070550	Clean Earth of Carteret	4/25/2019	11:17 AM	07VAL270	1678205	25.49
193070550	Clean Earth of Carteret	4/29/2019	08:12 AM	07VAL274	2065632	26.15
193070550	Clean Earth of Carteret	4/29/2019	08:16 AM	07VAL275	2065631	25.57
193070550	Clean Earth of Carteret	4/29/2019	08:21 AM	07VAL276	1678251	24.29
193070550	Clean Earth of Carteret	4/29/2019	08:26 AM	07VAL269	1678250	28.61
193070550	Clean Earth of Carteret	4/29/2019	08:40 AM	07VAL265	1678249	22.34
193070550	Clean Earth of Carteret	4/29/2019	08:42 AM	07VAL271	1678248	25.41
193070550	Clean Earth of Carteret	4/29/2019	08:48 AM	07VAL263	1678247	25.43
193070550	Clean Earth of Carteret	4/29/2019	08:52 AM	07VAL253	1678246	28.32
193070550	Clean Earth of Carteret	4/29/2019	08:54 AM	07VAL261	1678245	24.11
193070550	Clean Earth of Carteret	4/29/2019	08:56 AM	07VAL251	1678244	26.87
193070550	Clean Earth of Carteret	4/29/2019	08:58 AM	07VAL270	1678243	24.66
193070550	Clean Earth of Carteret	4/29/2019	09:03 AM	07VAL264	1678242	24.81
193070550	Clean Earth of Carteret	4/29/2019	09:08 AM	07VAL260	1678241	27.01
193070550	Clean Earth of Carteret	4/29/2019	10:11 AM	07VAL256	1678240	31.52
193070550	Clean Earth of Carteret	4/29/2019	10:14 AM	07VAL257	1678239	30.45
193070550	Clean Earth of Carteret	4/29/2019	10:21 AM	07VAL250	1678238	26.16
193070550	Clean Earth of Carteret	4/29/2019	10:51 AM	07VAL258	1678237	29.24
193070550	Clean Earth of Carteret	4/29/2019	11:05 AM	07VAL274	1678269	28.99
193070550	Clean Earth of Carteret	4/29/2019	11:37 AM	07VAL275	1678268	26.69
193070550	Clean Earth of Carteret	4/29/2019	11:42 AM	07VAL276	1678267	27.78
193070550	Clean Earth of Carteret	4/29/2019	11:44 AM	07VAL269	1678266	26.87
193070550	Clean Earth of Carteret	4/29/2019	11:49 AM	07VAL271	1678236	26.77
193070550	Clean Earth of Carteret	4/29/2019	12:00 PM	07VAL263	1678235	27.10
193070550	Clean Earth of Carteret	4/29/2019	12:09 PM	07VAL261	1678234	29.34
193070550	Clean Earth of Carteret	4/29/2019	12:17 PM	07VAL264	1678233	28.52
193070550	Clean Earth of Carteret	4/29/2019	12:25 PM	07VAL265	1678232	26.50
193070550	Clean Earth of Carteret	4/29/2019	12:45 PM	07VAL260	1678230	27.54
193070550	Clean Earth of Carteret	4/29/2019	12:49 PM	07VAL253	1678229	28.25
193070550	Clean Earth of Carteret	4/29/2019	12:52 PM	07VAL251	1678231	29.04
193070550	Clean Earth of Carteret	4/29/2019	01:01 PM	07VAL270	1678265	29.60
193070550	Clean Earth of Carteret	4/29/2019	01:06 PM	07VAL267	1678264	31.32
193070550	Clean Earth of Carteret	4/29/2019	01:18 PM	07VAL259	1678263	30.15
193070550	Clean Earth of Carteret	4/29/2019	01:20 PM	07VAL254	1678261	24.62
193070550	Clean Earth of Carteret	4/29/2019	01:28 PM	07VAL262	1678262	22.56
193070550	Clean Earth of Carteret	4/29/2019	01:37 PM	07VAL266	1678260	30.02
193070550	Clean Earth of Carteret	4/30/2019	08:24 AM	07VAL243	1678309	31.18
193070550	Clean Earth of Carteret	4/30/2019	08:28 AM	07VAL276	1678292	30.35
193070550	Clean Earth of Carteret	4/30/2019	08:42 AM	07VAL253	1678293	31.69
193070550	Clean Earth of Carteret	4/30/2019	08:47 AM	07VAL242	1678294	27.86
193070550	Clean Earth of Carteret	4/30/2019	09:10 AM	07VAL275	1678295	26.44
193070550	Clean Earth of Carteret	4/30/2019	09:31 AM	07VAL267	1678297	29.99
193070550	Clean Earth of Carteret	4/30/2019	09:43 AM	07VAL262	1678296	24.72
193070550	Clean Earth of Carteret	4/30/2019	11:17 AM	07VAL256	1678298	28.32
193070550	Clean Earth of Carteret	4/30/2019	12:03 PM	07VAL276	1678299	29.11
193070550	Clean Earth of Carteret	4/30/2019	12:13 PM	07VAL243	1678300	31.30
193070550	Clean Earth of Carteret	4/30/2019	12:35 PM	07VAL253	1678301	31.73
193070550	Clean Earth of Carteret	4/30/2019	12:59 PM	07VAL242	1678303	30.43
193070550	Clean Earth of Carteret	4/30/2019	01:03 PM	07VAL267	1678302	28.95
193070550	Clean Earth of Carteret	4/30/2019	01:06 PM	07VAL262	1678304	25.26
193070550	Clean Earth of Carteret	4/30/2019	01:18 PM	07VAL245	1678305	26.35
193070550	Clean Earth of Carteret	5/1/2019	08:15 AM	07VAL259	1678327	28.03
193070550	Clean Earth of Carteret	5/1/2019	08:16 AM	07VAL269	1678328	25.64
193070550	Clean Earth of Carteret	5/1/2019	08:33 AM	07VAL252	1678329	26.90
193070550	Clean Earth of Carteret	5/1/2019	08:39 AM	07VAL250	1678330	23.47
193070550	Clean Earth of Carteret	5/1/2019	08:43 AM	07VAL276	1678333	25.93
193070550	Clean Earth of Carteret	5/1/2019	08:45 AM	07VAL272	1678331	26.34
193070550	Clean Earth of Carteret	5/1/2019	08:46 AM	07VAL275	1678332	27.38

**Table 3-1: Off-Site Soil Waste Disposal Volumes and Facilities**  
The Huguenot Site, New Rochelle, New York

Approval	Facility	Date	Time	Truck	Manifest	Net
193070550	Clean Earth of Carteret	5/1/2019	08:53 AM	07VAL258	1678334	29.37
193070550	Clean Earth of Carteret	5/1/2019	08:54 AM	07VAL271	1678335	26.83
193070550	Clean Earth of Carteret	5/1/2019	08:55 AM	07VAL263	1678336	28.37
193070550	Clean Earth of Carteret	5/1/2019	09:08 AM	07VAL260	1678338	29.08
193070550	Clean Earth of Carteret	5/1/2019	09:10 AM	07VAL264	1678337	27.06
193070550	Clean Earth of Carteret	5/1/2019	09:13 AM	07VAL251	1678353	29.53
193070550	Clean Earth of Carteret	5/1/2019	11:44 AM	07VAL259	1678351	26.07
193070550	Clean Earth of Carteret	5/1/2019	11:45 AM	07VAL269	1678352	31.21
193070550	Clean Earth of Carteret	5/1/2019	11:48 AM	07VAL252	1678349	29.03
193070550	Clean Earth of Carteret	5/1/2019	11:49 AM	07VAL250	1678350	28.17
193070550	Clean Earth of Carteret	5/1/2019	11:50 AM	07VAL276	1678348	27.88
193070550	Clean Earth of Carteret	5/1/2019	11:54 AM	07VAL272	1678347	26.51
193070550	Clean Earth of Carteret	5/1/2019	11:58 AM	07VAL258	1678346	24.26
193070550	Clean Earth of Carteret	5/1/2019	11:59 AM	07VAL271	1678345	28.98
193070550	Clean Earth of Carteret	5/1/2019	12:13 PM	07VAL263	1678344	31.02
193070550	Clean Earth of Carteret	5/1/2019	12:25 PM	07VAL275	1678343	27.74
193070550	Clean Earth of Carteret	5/1/2019	12:27 PM	07VAL260	1678342	28.77
193070550	Clean Earth of Carteret	5/1/2019	12:34 PM	07VAL264	1678341	28.59
193070550	Clean Earth of Carteret	5/1/2019	12:43 PM	07VAL251	1678340	28.53
193070550	Clean Earth of Carteret	5/2/2019	08:37 AM	07VAL266	1678364	30.48
193070550	Clean Earth of Carteret	5/2/2019	09:00 AM	07VAL243	1678365	26.91
193070550	Clean Earth of Carteret	5/2/2019	11:37 AM	07VAL266	1678363	25.12
193070550	Clean Earth of Carteret	5/2/2019	11:49 AM	07VAL243	1678359	25.93
193070550	Clean Earth of Carteret	5/2/2019	11:58 AM	07VAL261	1678366	29.46
193070550	Clean Earth of Carteret	5/2/2019	12:00 PM	07VAL274	1678306	26.90
193070550	Clean Earth of Carteret	5/2/2019	12:01 PM	07VAL253	1678367	29.07
193070550	Clean Earth of Carteret	5/2/2019	02:38 PM	07VAL261	1678360	29.56
193070550	Clean Earth of Carteret	5/2/2019	02:55 PM	07VAL253	1678362	29.66
193070550	Clean Earth of Carteret	5/2/2019	02:56 PM	07VAL274	1678361	28.72
193070550	Clean Earth of Carteret	5/6/2019	08:46 AM	07VAL264	1678308	28.30
193070550	Clean Earth of Carteret	5/6/2019	09:01 AM	07VAL270	1678307	27.22
193070550	Clean Earth of Carteret	5/6/2019	09:06 AM	07VAL275	1685405	26.78
193070550	Clean Earth of Carteret	5/6/2019	09:49 AM	07VAL265	1678394	25.69
193070550	Clean Earth of Carteret	5/6/2019	12:12 PM	07VAL264	1678395	26.59
193070550	Clean Earth of Carteret	5/6/2019	12:44 PM	07VAL275	1678396	29.82
193070550	Clean Earth of Carteret	5/6/2019	12:53 PM	07VAL265	1678398	29.56
193070550	Clean Earth of Carteret	5/6/2019	12:56 PM	07VAL270	1678397	25.84
193070550	Clean Earth of Carteret	7/25/2019	08:10 AM	07VAL252	2065646	21.97
193070550	Clean Earth of Carteret	7/25/2019	08:16 AM	07VALEN2	2065645	25.25
193070550	Clean Earth of Carteret	7/25/2019	08:31 AM	07VAL256	2065649	25.54
193070550	Clean Earth of Carteret	7/25/2019	08:55 AM	07VALENTINA3	2065647	27.62
193070550	Clean Earth of Carteret	7/25/2019	08:57 AM	07VEGA3	2065650	27.55
193070550	Clean Earth of Carteret	7/25/2019	08:59 AM	07VAL258	2065651	23.57
193070550	Clean Earth of Carteret	7/25/2019	09:06 AM	07VAL255	2065648	24.68
193070550	Clean Earth of Carteret	7/25/2019	09:10 AM	07VAL265	2065654	28.49
193070550	Clean Earth of Carteret	7/25/2019	09:40 AM	07VAL242	2065653	28.36
193070550	Clean Earth of Carteret	7/25/2019	10:06 AM	07VAL243	2065652	25.80
193070550	Clean Earth of Carteret	7/25/2019	12:07 PM	07VAL252	2065663	26.24
193070550	Clean Earth of Carteret	7/25/2019	12:22 PM	07VALEN2	2065655	28.77
193070550	Clean Earth of Carteret	7/25/2019	12:25 PM	07VAL256	2065662	30.16
193070550	Clean Earth of Carteret	7/25/2019	12:44 PM	07VEGA3	2065660	30.31
193070550	Clean Earth of Carteret	7/25/2019	12:46 PM	07VAL258	2065659	27.45
193070550	Clean Earth of Carteret	7/25/2019	12:55 PM	07VAL265	2065658	26.82
193070550	Clean Earth of Carteret	7/25/2019	01:06 PM	07VAL242	2065656	28.62
193070550	Clean Earth of Carteret	7/25/2019	01:12 PM	07VAL255	2065657	27.43
193070550	Clean Earth of Carteret	7/25/2019	01:24 PM	07VALENTINA3	2065661	29.58
193070550	Clean Earth of Carteret	7/25/2019	01:45 PM	07VAL243	2065664	26.76
193070550	Clean Earth of Carteret	7/26/2019	07:47 AM	07VAL262	2052111	27.21
193070550	Clean Earth of Carteret	7/26/2019	07:56 AM	07VAL256	2065665	27.25
193070550	Clean Earth of Carteret	7/26/2019	08:20 AM	07VAL250	2065667	27.07
193070550	Clean Earth of Carteret	7/26/2019	08:22 AM	07VAL267	2065666	27.03
193070550	Clean Earth of Carteret	7/26/2019	08:40 AM	07CHARLIE28	2065673	27.15
193070550	Clean Earth of Carteret	7/26/2019	08:42 AM	07VAL255	2065672	26.84

**Table 3-1: Off-Site Soil Waste Disposal Volumes and Facilities**  
The Huguenot Site, New Rochelle, New York

Approval	Facility	Date	Time	Truck	Manifest	Net
193070550	Clean Earth of Carteret	7/26/2019	08:50 AM	07VAL276	2065671	24.64
193070550	Clean Earth of Carteret	7/26/2019	09:06 AM	07VAL271	2065670	24.56
193070550	Clean Earth of Carteret	7/26/2019	09:08 AM	07VAL263	2065669	23.86
193070550	Clean Earth of Carteret	7/26/2019	09:18 AM	07ORLON4	2065668	28.36
193070550	Clean Earth of Carteret	7/26/2019	09:48 AM	07CHAR6	1959276	25.54
193070550	Clean Earth of Carteret	7/26/2019	10:51 AM	07VAL262	1959327	25.48
193070550	Clean Earth of Carteret	7/26/2019	10:54 AM	07VAL256	1959326	28.98
193070550	Clean Earth of Carteret	7/26/2019	11:39 AM	07VAL267	1959268	23.58
193070550	Clean Earth of Carteret	7/26/2019	11:45 AM	07VAL250	1959267	25.31
193070550	Clean Earth of Carteret	7/26/2019	12:11 PM	07CHARLIE28	1959269	28.59
193070550	Clean Earth of Carteret	7/26/2019	12:15 PM	07VAL255	1959270	28.57
193070550	Clean Earth of Carteret	7/26/2019	12:18 PM	07VAL276	1959271	25.69
193070550	Clean Earth of Carteret	7/26/2019	12:55 PM	07VAL263	1959272	28.52
193070550	Clean Earth of Carteret	7/26/2019	12:58 PM	07VAL271	1959273	27.71
193070550	Clean Earth of Carteret	7/30/2019	08:05 AM	07VAL255	1959275	28.60
193070550	Clean Earth of Carteret	7/30/2019	08:13 AM	07VAL243	1959286	28.00
193070550	Clean Earth of Carteret	7/30/2019	08:17 AM	07H&M76	1959274	26.34
193070550	Clean Earth of Carteret	7/30/2019	08:22 AM	07VAL254	1959284	27.17
193070550	Clean Earth of Carteret	7/30/2019	08:31 AM	07VAL273	1959283	28.91
193070550	Clean Earth of Carteret	7/30/2019	08:39 AM	07VAL253	1959282	30.01
193070550	Clean Earth of Carteret	7/30/2019	09:01 AM	07LUCAS03	1959285	29.14
193070550	Clean Earth of Carteret	7/30/2019	09:30 AM	07VAL242	1959281	31.02
193070550	Clean Earth of Carteret	7/30/2019	11:01 AM	07CHARLIE28	1959280	27.47
193070550	Clean Earth of Carteret	7/30/2019	11:39 AM	07VAL255	1959287	26.71
193070550	Clean Earth of Carteret	7/30/2019	11:47 AM	07VAL273	1959278	27.48
193070550	Clean Earth of Carteret	7/30/2019	11:57 AM	07VAL243	1959288	23.71
193070550	Clean Earth of Carteret	7/30/2019	12:04 PM	07VAL254	1959277	23.48
193070550	Clean Earth of Carteret	7/30/2019	12:09 PM	07VAL253	1959279	30.01
193070550	Clean Earth of Carteret	7/30/2019	01:12 PM	07VAL242	1959396	25.82
193070550	Clean Earth of Carteret	7/30/2019	02:08 PM	07VAL262	1959397	23.26
193070550	Clean Earth of Carteret	7/30/2019	02:20 PM	07VAL271	1959399	27.99
193070550	Clean Earth of Carteret	7/30/2019	02:27 PM	07JUSTINEX42	1959395	30.82
193070550	Clean Earth of Carteret	7/30/2019	02:29 PM	07VAL263	1959400	29.87
193070550	Clean Earth of Carteret	7/30/2019	02:30 PM	07VAL276	1959398	29.59
193070550	Clean Earth of Carteret	7/30/2019	03:11 PM	07VAL272	1959401	28.14
193070550	Clean Earth of Carteret	7/31/2019	07:49 AM	07SVA7	1959389	27.08
193070550	Clean Earth of Carteret	7/31/2019	07:58 AM	07VAL252	1959391	26.74
193070550	Clean Earth of Carteret	7/31/2019	08:04 AM	07SVA03	1959390	26.84
193070550	Clean Earth of Carteret	7/31/2019	08:06 AM	07VAL276	1959392	26.65
193070550	Clean Earth of Carteret	7/31/2019	08:22 AM	07BRAVA3	1959414	27.66
193070550	Clean Earth of Carteret	7/31/2019	08:23 AM	07BRAVA50	1959415	28.69
193070550	Clean Earth of Carteret	7/31/2019	08:26 AM	07LUCAS03	1959402	28.67
193070550	Clean Earth of Carteret	7/31/2019	08:57 AM	07LUCAS01	1959404	30.65
193070550	Clean Earth of Carteret	7/31/2019	10:01 AM	07JUSTINEX42	1959322	31.50
193070550	Clean Earth of Carteret	7/31/2019	10:09 AM	07INCA77	1959403	33.68
193070550	Clean Earth of Carteret	7/31/2019	10:41 AM	07INCA7	1959321	30.29
193070550	Clean Earth of Carteret	7/31/2019	11:12 AM	07SVA7	1959405	29.58
193070550	Clean Earth of Carteret	7/31/2019	11:25 AM	07SVA03	1959406	31.83
193070550	Clean Earth of Carteret	7/31/2019	11:33 AM	07BRAVA3	1959407	30.27
193070550	Clean Earth of Carteret	7/31/2019	11:43 AM	07BRAVA50	1959408	32.46
193070550	Clean Earth of Carteret	7/31/2019	01:19 PM	07BRAVA16	1959413	24.94
193070550	Clean Earth of Carteret	7/31/2019	01:49 PM	07JUSTINEX42	1959410	27.17
193070550	Clean Earth of Carteret	7/31/2019	02:20 PM	07INCA77	1959409	31.52
193070550	Clean Earth of Carteret	7/31/2019	02:49 PM	07INCA7	1959411	30.62
193070550	Clean Earth of Carteret	7/31/2019	03:07 PM	07JUSTINXP1	1959412	33.53
193070550	Clean Earth of Carteret	8/1/2019	07:56 AM	07CHAR6	1959316	26.66
193070550	Clean Earth of Carteret	8/1/2019	07:59 AM	07VAL255	1959318	26.71
193070550	Clean Earth of Carteret	8/1/2019	08:03 AM	07VAL264	1959319	26.86
193070550	Clean Earth of Carteret	8/1/2019	08:14 AM	07INCA77	1959320	26.37
193070550	Clean Earth of Carteret	8/1/2019	08:24 AM	07INCA7	1959317	32.75
193070550	Clean Earth of Carteret	8/1/2019	08:25 AM	07VAL261	1959323	31.89
193070550	Clean Earth of Carteret	8/1/2019	08:31 AM	07VAL253	1959324	29.63
193070550	Clean Earth of Carteret	8/1/2019	08:34 AM	07VAL260	1959325	26.61

**Table 3-1: Off-Site Soil Waste Disposal Volumes and Facilities**  
The Huguenot Site, New Rochelle, New York

Approval	Facility	Date	Time	Truck	Manifest	Net
193070550	Clean Earth of Carteret	8/1/2019	08:41 AM	07VAL254	1959339	26.24
193070550	Clean Earth of Carteret	8/1/2019	09:31 AM	07VAL262	1959340	25.72
193070550	Clean Earth of Carteret	8/1/2019	11:27 AM	07INCA77	1959485	29.22
193070550	Clean Earth of Carteret	8/1/2019	11:47 AM	07VAL261	1959486	26.07
193070550	Clean Earth of Carteret	8/1/2019	12:17 PM	07INCA7	1959331	34.78
193070550	Clean Earth of Carteret	8/1/2019	12:25 PM	07VAL254	1959332	24.64
193070550	Clean Earth of Carteret	8/1/2019	01:28 PM	07CHARLIE28	1959333	27.26
193070550	Clean Earth of Carteret	8/2/2019	07:58 AM	07CHAR6	1959335	27.11
193070550	Clean Earth of Carteret	8/2/2019	08:09 AM	07SLJ2	1959337	24.30
193070550	Clean Earth of Carteret	8/2/2019	08:12 AM	07CHARLIE28	1959338	27.74
193070550	Clean Earth of Carteret	8/2/2019	08:14 AM	07LUCAS04	1959341	26.75
193070550	Clean Earth of Carteret	8/2/2019	08:17 AM	07CHARLIE19	1959336	27.62
193070550	Clean Earth of Carteret	8/2/2019	08:48 AM	07H&M76	1959334	26.49
193070550	Clean Earth of Carteret	8/2/2019	09:21 AM	07V&M2	1959468	31.93
193070550	Clean Earth of Carteret	8/2/2019	10:48 AM	07CHAR6	1959484	26.70
193070550	Clean Earth of Carteret	8/2/2019	11:07 AM	07CHARLIE19	1959482	25.62
193070550	Clean Earth of Carteret	8/2/2019	11:11 AM	07CHARLIE28	1959483	26.98
193070550	Clean Earth of Carteret	8/15/2019	08:09 AM	07VAL272	1959465	26.36
193070550	Clean Earth of Carteret	8/15/2019	08:11 AM	07VAL269	1959466	26.92
193070550	Clean Earth of Carteret	8/15/2019	08:13 AM	07VAL271	1959464	25.29
193070550	Clean Earth of Carteret	8/15/2019	08:14 AM	07VAL263	1959463	25.48
193070550	Clean Earth of Carteret	8/15/2019	08:29 AM	07VAL264	1959462	24.84
193070550	Clean Earth of Carteret	8/15/2019	11:12 AM	07VAL272	1959461	24.10
193070550	Clean Earth of Carteret	8/15/2019	11:14 AM	07VAL269	1959460	26.32
193070550	Clean Earth of Carteret	8/15/2019	11:28 AM	07VAL271	1959459	25.63
193070550	Clean Earth of Carteret	8/15/2019	11:29 AM	07VAL263	1959481	25.54
193070550	Clean Earth of Carteret	8/15/2019	11:41 AM	07VAL264	1959480	26.11
193070550	Clean Earth of Carteret	8/16/2019	08:10 AM	07VAL256	1959479	25.32
193070550	Clean Earth of Carteret	8/16/2019	08:15 AM	07VAL245	1959478	26.08
193070550	Clean Earth of Carteret	8/16/2019	08:19 AM	07VAL259	1959477	25.47
193070550	Clean Earth of Carteret	8/16/2019	08:20 AM	07VAL261	1959476	25.88
193070550	Clean Earth of Carteret	8/16/2019	08:26 AM	07VAL264	1959475	26.88
193070550	Clean Earth of Carteret	8/16/2019	11:07 AM	07VAL256	2143955	27.50
193070550	Clean Earth of Carteret	8/16/2019	11:17 AM	07VAL245	2143964	25.35
193070550	Clean Earth of Carteret	8/16/2019	11:18 AM	07VAL261	2143962	26.17
193070550	Clean Earth of Carteret	8/16/2019	11:25 AM	07VAL264	2143961	26.66
193070550	Clean Earth of Carteret	8/16/2019	11:41 AM	07VAL259	2143963	25.40
193070550	Clean Earth of Carteret	8/22/2019	08:19 AM	07VAL252	1959474	26.36
193070550	Clean Earth of Carteret	8/22/2019	08:24 AM	07VAL258	2142718	26.43
193070550	Clean Earth of Carteret	8/22/2019	08:36 AM	07VAL265	2142721	29.98
193070550	Clean Earth of Carteret	8/22/2019	08:46 AM	07VAL257	2142725	29.06
193070550	Clean Earth of Carteret	8/22/2019	08:52 AM	07VAL266	2142717	31.09
193070550	Clean Earth of Carteret	8/22/2019	11:56 AM	07VAL252	2143960	24.52
193070550	Clean Earth of Carteret	8/22/2019	12:15 PM	07VAL258	2143959	26.81
193070550	Clean Earth of Carteret	8/22/2019	01:21 PM	07VAL257	2143958	30.64
193070550	Clean Earth of Carteret	2/17/2020	08:18 AM	07VAL265	2065724	28.78
193070550	Clean Earth of Carteret	2/17/2020	08:27 AM	07VAL250	2065725	27.85
193070550	Clean Earth of Carteret	2/17/2020	08:35 AM	07VAL277	2015390	28.84
193070550	Clean Earth of Carteret	2/17/2020	08:44 AM	07VAL255	2015389	30.27
193070550	Clean Earth of Carteret	2/17/2020	10:41 AM	07VAL265	2015388	28.98
193070550	Clean Earth of Carteret	2/17/2020	11:11 AM	07VAL250	2015387	28.72
193070550	Clean Earth of Carteret	2/17/2020	11:15 AM	07VAL277	2015386	28.21
193070550	Clean Earth of Carteret	2/17/2020	11:17 AM	07VAL255	2015385	30.15
193070550	Clean Earth of Carteret	2/17/2020	01:24 PM	07VAL265	2015384	27.89
193070550	Clean Earth of Carteret	2/17/2020	01:39 PM	07VAL250	2015383	27.98
193070550	Clean Earth of Carteret	2/17/2020	01:48 PM	07VAL277	2015382	26.97
193070550	Clean Earth of Carteret	2/17/2020	02:01 PM	07VAL255	2065726	31.74
193070550	Clean Earth of Carteret	2/18/2020	09:59 AM	07VAL254	2065728	29.16
193070550	Clean Earth of Carteret	2/18/2020	10:13 AM	07VAL257	2065729	27.74
193070550	Clean Earth of Carteret	2/18/2020	10:17 AM	07VAL266	2015392	28.87
193070550	Clean Earth of Carteret	2/18/2020	10:18 AM	07VAL273	2065730	26.84
193070550	Clean Earth of Carteret	2/18/2020	10:48 AM	07VAL267	2065731	28.29
193070550	Clean Earth of Carteret	2/18/2020	11:11 AM	07VAL270	2065732	26.46

**Table 3-1: Off-Site Soil Waste Disposal Volumes and Facilities**  
The Huguenot Site, New Rochelle, New York

Approval	Facility	Date	Time	Truck	Manifest	Net
193070550	Clean Earth of Carteret	2/18/2020	12:37 PM	07VAL254	2065733	28.95
193070550	Clean Earth of Carteret	2/18/2020	12:48 PM	07VAL257	2065734	27.22
193070550	Clean Earth of Carteret	2/18/2020	12:52 PM	07VAL273	2065735	27.80
193070550	Clean Earth of Carteret	2/18/2020	01:10 PM	07VAL266	2065736	27.65
193070550	Clean Earth of Carteret	2/19/2020	12:50 PM	07VAL270	2015440	25.52
193070550	Clean Earth of Carteret	2/19/2020	12:55 PM	07VAL261	2015438	26.99
193070550	Clean Earth of Carteret	2/20/2020	08:35 AM	07VAL264	2065727	27.92
193070550	Clean Earth of Carteret	2/20/2020	10:39 AM	07VAL260	2142727	27.89
193070550	Clean Earth of Carteret	2/20/2020	11:32 AM	07VAL264	2142728	26.17
193070550	Clean Earth of Carteret	2/20/2020	01:06 PM	07VAL260	2015441	29.50
193070550	Clean Earth of Carteret	2/21/2020	09:00 AM	07VAL255	2015442	29.35
193070550	Clean Earth of Carteret	2/21/2020	09:33 AM	07VAL250	2015443	28.93
					Total Tonnage	7,289.06
193100072	Clean Earth of Philadelphia	5/9/2019	10:41 AM	10VAL252	1685463	18.79
193100072	Clean Earth of Philadelphia	5/9/2019	10:38 AM	10VAL257	1685464	21.98
193100072	Clean Earth of Philadelphia	5/9/2019	11:00 AM	10VAL259	1685466	23.16
193100072	Clean Earth of Philadelphia	5/9/2019	10:48 AM	10VAL276	1685465	27.83
193100072	Clean Earth of Philadelphia	5/9/2019	11:08 AM	10VAL270	1685467	24.81
193100072	Clean Earth of Philadelphia	5/9/2019	11:29 AM	10VAL275	1685468	21.47
193100072	Clean Earth of Philadelphia	5/9/2019	11:55 AM	10VAL264	1685469	19.28
193100072	Clean Earth of Philadelphia	5/9/2019	12:05 PM	10VAL260	1685470	26.05
					Total Tonnage	183.37

**Table 3-2: Liquid Waste Disposal Summary**  
381-393 Huguenot Street, New Rochelle, NY

<b>Date</b>	<b>Pump Meter Reading</b>	<b>Discharged (Gallon)</b>
6/18/2019	29,070,900	0
7/18/2019	29,082,924	12,024
8/23/2019	29,103,016	20,092
9/23/2019	29,137,200	34,184
10/23/2019	29,182,528	45,328
11/22/2019	29,237,939	55,411
12/18/2019	29,318,400	80,461
<b>Toatl</b>		<b>247,500</b>

Note:

From June 4, 2019 to December 17, 2019, construction dewatering was performed at the Site. A total of 247,500 gallons groundwater was pumped from site excavation and discharged to City sanitary sewer.

Effluent samples were collected on monthly basis per WCDH requirements. The laboratory analysis performed on the effluent sample did not detect any target analytes at levels exceeding the WCDEF Local Limitations. The average flow rate was within permitted flow rate. The construction dewatering activities performed at the Site were in compliance with the state/county/local requirements.

**Table 4-1: Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York**

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-1		EP-2		EP-3		EP-4		EP-5		EP-6	
	Sample Depth					11'	11'	11'	10'	9'	9'						
	Lab ID					CD86776	CD86777	CD86778	CD86779	CD86780	CD86781						
	Sample Date					8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019						
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
<b>Metals, Total</b>																	
Aluminum, Al	7429-90-5	mg/Kg	NA	NA	NA	13,300		10,800		12,100		15,900		17,300		15,300	
Antimony, Sb	7440-36-0	mg/Kg	NA	NA	NA	< 3.8	U	< 3.5	U	< 3.5	U	< 3.8	U	< 3.9	U	< 3.6	U
Arsenic, As	7440-38-2	mg/Kg	13	16	16	0.97		2.36		1.36		< 0.75	U	0.78		1.79	
Barium, Ba	7440-39-3	mg/Kg	350	400	820	110		117		86.1		173		185		114	
Beryllium, Be	7440-41-7	mg/Kg	7.2	72	47	0.45		0.46		0.47		0.5		0.46		0.44	
Cadmium, Cd	7440-43-9	mg/Kg	2.5	4.3	7.5	< 0.38	U	0.98		< 0.35	U	0.39		0.42		< 0.36	U
Calcium, Ca	7440-70-2	mg/Kg	NA	NA	NA	1,260		6,060		1,730		1,660		2,180		2,480	
Chromium, Cr	7440-47-3	mg/Kg	30	180	NA	33.7		48.4		34.9		53.7		52.8		36	
Cobalt, Co	7440-48-4	mg/Kg	NA	NA	NA	12.7		11.9		11.1		18.3		17.3		13.5	
Copper, Cu	7440-50-8	mg/kg	50	270	1720	24.1		82.1		21.6		36.6		33.5		24.5	
Iron, Fe	7439-89-6	mg/Kg	NA	NA	NA	23,200		21,100		21,000		32,100		33,600		26,600	
Lead, Pb	7439-92-1	mg/Kg	63	400	450	27.4		98.9		14.2		6.5		14.5		25.7	
Magnesium, Mg	7439-95-4	mg/Kg	NA	NA	NA	4,150		5,070		3,800		7,800		7,980		4,740	
Manganese, Mn	7439-96-5	mg/Kg	1,600	2,000	2,000	567		514		587		810		677		525	
Mercury, Hg	7439-97-6	mg/Kg	0.18	0.81	0.73	0.16		0.08		< 0.03	U	< 0.03	U	0.08		0.05	
Nickel, Ni	7440-02-0	mg/Kg	30	310	130	43.6		51		53.9		60.7		47.8		40.4	
Potassium, K	9/7/7440	mg/Kg	NA	NA	NA	4,450		3,050		2,950		8,670		8,880		5,010	
Selenium, Se	7782-49-2	mg/Kg	4	180	4	< 1.5	U	< 1.4	U	< 1.4	U	< 1.5	U	< 1.5	U	< 1.4	U
Silver, Ag	7440-22-4	mg/Kg	2	180	8.3	< 0.38	U	< 0.35	U	< 0.35	U	< 0.38	U	< 0.39	U	< 0.36	U
Sodium, Na	7440-23-5	mg/Kg	NA	NA	NA	119		171		122		140		247		269	
Thallium, Tl	7440-28-0	mg/Kg	NA	NA	NA	< 1.5	U	< 1.4	U	< 1.4	U	< 1.5	U	< 1.5	U	< 1.4	U
Vanadium, V	7440-62-2	mg/Kg	NA	NA	NA	34.2		30.9		27.4		44.5		47.7		36.1	
Zinc, Zn	7440-66-6	mg/Kg	109	10000	2480	40		136		41.1		58.7		64.2		50.6	

Notes:  
 ug/Kg: microgram per kilogram (ppb)  
 mg/Kg: miligram per kilogram (ppm)  
 U: Undetected J: Estimated S: Laboratory Solvent N: Spiked sample recovery not within control limits  
 NA: Unavailable NT: Not tested

Analyte detected  
 Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives  
 Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives  
 Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives  
 Method Detection Limit (MDL) above the UUSCO  
 Result rejected due to severe QC exceedance

**Table 4-1: Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York**

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-1		EP-2		EP-3		EP-4		EP-5		EP-6	
	Sample Depth					11'	11'	11'	10'	9'	9'						
	Lab ID					CD86776	CD86777	CD86778	CD86779	CD86780	CD86781						
	Sample Date					8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019						
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
<b>PCBs By SW8082A</b>																	
Aroclor 1016	12674-11-2	µg/Kg	100	1,000	3,200	< 79	U	< 780	U	< 78	U	< 81	U	< 78	U	< 79	U
Aroclor 1221	11104-28-2	µg/Kg				< 79	U	< 780	U	< 78	U	< 81	U	< 78	U	< 79	U
Aroclor 1232	11141-16-5	µg/Kg				< 79	U	< 780	U	< 78	U	< 81	U	< 78	U	< 79	U
Aroclor 1242	53469-21-9	µg/Kg				< 79	U	< 780	U	< 78	U	< 81	U	< 78	U	< 79	U
Aroclor 1248	12672-29-6	µg/Kg				< 79	U	< 780	U	< 78	U	< 81	U	< 78	U	< 79	U
Aroclor 1254	11097-69-1	µg/Kg				< 79	U	1,200		< 78	U	< 81	U	< 78	U	< 79	U
Aroclor 1260	11096-82-5	µg/Kg				< 79	U	< 780	U	< 78	U	< 81	U	< 78	U	< 79	U
Aroclor 1262	37324-23-5	µg/Kg				< 79	U	< 780	U	< 78	U	< 81	U	< 78	U	< 79	U
Aroclor 1268	11100-14-4	µg/Kg				< 79	U	< 780	U	< 78	U	< 81	U	< 78	U	< 79	U

Notes:  
 ug/Kg: microgram per kilogram (ppb)  
 mg/Kg: milligram per kilogram (ppm)  
 U: Undetected J: Estimated S: Laboratory Solvent N: Spiked sample recovery not within control limits  
 NA: Unavailable NT: Not tested

Analyte detected  
 Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives  
 Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives  
 Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives  
 Method Detection Limit (MDL) above the UUSCO  
 Result rejected due to severe QC exceedance



**Table 4-1: Laboratory Analysis Results- Soil Endpoint Samples**  
The Huguenot Site, New Rochelle, New York

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-1		EP-2		EP-3		EP-4		EP-5		EP-6	
	Sample Depth					11'	11'	11'	10'	9'	9'						
	Lab ID					CD86776	CD86777	CD86778	CD86779	CD86780	CD86781						
	Sample Date					8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019						
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
<b>Volatiles By SW8260C</b>																	
1,1,1,2-Tetrachloroethane	630-20-6	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,1,1-Trichloroethane	71-55-6	µg/Kg	680	100000	680	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,1,2,2-Tetrachloroethane	79-34-5	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,1,2-Trichloroethane	79-00-5	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,1-Dichloroethane	75-34-3	µg/Kg	270	26000	270	< 5.4	U	< 270	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,1-Dichloroethene	75-35-4	µg/Kg	330	100000	330	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,1-Dichloropropene	563-58-6	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,2,3-Trichlorobenzene	87-61-6	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,2,3-Trichloropropane	96-18-4	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,2,4-Trichlorobenzene	120-82-1	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,2,4-Trimethylbenzene	95-63-6	µg/Kg	3,600	52,000	3,600	< 5.4	U	900		< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,2-Dibromo-3-Chloropropane	96-12-8	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,2-Dibromoethane	106-93-4	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,2-Dichlorobenzene	95-50-1	µg/Kg	1,100	100,000	1,100	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,2-Dichloroethane	107-06-2	µg/Kg	20	3100	20	< 5.4	U	< 20	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,2-Dichloropropane	78-87-5	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,3,5-Trimethylbenzene	108-67-8	µg/Kg	8,400	52,000	8,400	< 5.4	U	2,800		< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,3-Dichlorobenzene	541-73-1	µg/Kg	2,400	49,000	2,400	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,3-Dichloropropane	142-28-9	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
1,4-Dichlorobenzene	106-46-7	µg/Kg	1,800	13,000	1,800	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
2,2-Dichloropropane	594-20-7	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
2-Chlorotoluene	95-49-8	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
2-Hexanone	591-78-6	µg/Kg	NA	NA	NA	< 27	U	< 1500	U	< 23	U	< 25	U	< 25	U	< 24	U
2-Isopropyltoluene	527-84-4	µg/Kg	NA	NA	NA	< 5.4	U	940		< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
4-Chlorotoluene	106-43-4	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Methyl Isobutyl Ketone	108-10-1	µg/Kg	NA	NA	NA	< 27	U	< 1500	U	< 23	U	< 25	U	< 25	U	< 24	U
Acetone	67-64-1	µg/Kg	50	100000	50	1,100		310	S	1,700		1,900		970		1,400	
Acrylonitrile	107-13-1	µg/Kg	NA	NA	NA	< 11	U	< 580	U	< 9.2	U	< 10	U	< 9.9	U	< 9.6	U
Benzene	71-43-2	µg/Kg	60	4800	60	< 5.4	U	< 60	U	< 4.6	U	< 5.0	U	< 4.9	U	0.57	J
Bromobenzene	108-86-1	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Bromochloromethane	74-97-5	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Bromodichloromethane	75-27-4	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Bromoform	75-25-2	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Bromomethane	74-83-9	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Carbon Disulfide	75-15-0	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Carbon Tetrachloride	56-23-5	µg/Kg	760	2400	760	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Chlorobenzene	108-90-7	µg/Kg	1,100	100,000	1,100	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Chloroethane	75-00-3	µg/Kg	NA	NA	1900	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U

**Table 4-1: Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York**

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-1		EP-2		EP-3		EP-4		EP-5		EP-6	
	Sample Depth					11'	11'	11'	10'	9'	9'						
	Lab ID					CD86776	CD86777	CD86778	CD86779	CD86780	CD86781						
	Sample Date					8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019						
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
Chloroform	67-66-3	µg/Kg	370	49000	370	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Chloromethane	74-87-3	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
cis-1,2-Dichloroethene	156-59-2	µg/Kg	250	100000	250	< 5.4	U	< 250	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
cis-1,3-Dichloropropene	10061-01-5	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Chlorodibromomethane	124-48-1	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Dibromomethane	74-95-3	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Dichlorodifluoromethane	75-71-8	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Ethylbenzene	100-41-4	µg/Kg	1,000	41,000	1,000	< 5.4	U	47	J	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Hexachlorobutadiene	87-68-3	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Isopropylbenzene	98-82-8	µg/Kg	NA	NA	NA	< 5.4	U	110	J	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
m&p-Xylene	179601-23-1	µg/Kg	NA	NA	NA	< 5.4	U	230	J	< 4.6	U	< 5.0	U	< 4.9	U	1.2	J
2-Butanone	78-93-3	µg/Kg	NA	100000	120	< 33	U	< 120	U	5.1	J	< 30	U	< 30	U	9.7	J
Methyl Tert-Butyl Ether	1634-04-4	µg/Kg	930	100000	930	< 11	U	< 580	U	< 9.2	U	< 10	U	< 9.9	U	< 9.6	U
Methylene Chloride	75-09-2	µg/Kg	50	100000	50	< 5.4	U	< 47	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Naphthalene	91-20-3	µg/Kg	12,000	100,000	12,000	< 5.4	U	520		98	J	1.5	J	< 4.9	U	< 4.8	U
n-Butylbenzene	104-51-8	µg/Kg	12,000	100,000	12,000	< 5.4	U	740		< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
n-Propylbenzene	103-65-1	µg/Kg	3,900	100,000	3,900	< 5.4	U	240	J	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
o-Xylene	95-47-6	µg/Kg	NA	NA	NA	< 5.4	U	270	J	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
p-Isopropyltoluene	99-87-6	µg/Kg	NA	NA	NA	< 5.4	U	530		< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
sec-Butylbenzene	135-98-8	µg/Kg	11,000	100,000	11,000	< 5.4	U	1,100		< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Styrene	100-42-5	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
tert-Butylbenzene	98-06-6	µg/Kg	5,900	100,000	5,900	< 5.4	U	510		< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Tetrachloroethene	127-18-4	µg/Kg	1,300	19,000	1,300	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Tetrahydrofuran	109-99-9	µg/Kg	NA	NA	NA	24		< 580	U	27		35		22		34	
Toluene	108-88-3	µg/Kg	700	100000	700	96	J	93	J	110	J	120	J	120	J	120	J
Total Xylenes	1330-20-7	µg/Kg	260	100,000	1,600	<5.4	U	500		<4.6	U	<5.0	U	<4.9	U	1.2	J
trans-1,2-Dichloroethene	156-60-5	µg/Kg	190	100000	190	< 5.4	U	< 190	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
trans-1,3-Dichloropropene	10061-02-6	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
trans-1,4-dichloro-2-butene	110-57-6	µg/Kg	NA	NA	NA	< 11	U	< 580	U	< 9.2	U	< 10	U	< 9.9	U	< 9.6	U
Trichloroethene	79-01-6	µg/Kg	470	21000	470	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Trichlorofluoromethane	75-69-4	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Trichlorotrifluoroethane	76-13-1	µg/Kg	NA	NA	NA	< 5.4	U	< 290	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U
Vinyl Chloride	75-01-4	µg/Kg	20	900	20	< 5.4	U	< 20	U	< 4.6	U	< 5.0	U	< 4.9	U	< 4.8	U

Notes:

ug/Kg: microgram per kilogram (ppb)

mg/Kg: milligram per kilogram (ppm)

U: Undetected J: Estimated S: Laboratory Solvent N: Spiked sample recovery not within control limits

NA: Unavailable NT: Not tested

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives

Method Detection Limit (MDL) above the UUSCO

Result rejected due to severe QC exceedance

**Table 4-1: Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York**

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-1		EP-2		EP-3		EP-4		EP-5		EP-6	
	Sample Depth					11'	11'	11'	10'	9'	9'						
	Lab ID					CD86776	CD86777	CD86778	CD86779	CD86780	CD86781						
	Sample Date					8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019						
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
<b>Polynuclear Aromatic HC By SW8270D</b>																	
2-Methylnaphthalene	91-57-6	µg/Kg	NA	NA	36400	< 400	U	1,600		< 390	U	< 400	U	< 380	U	< 390	U
Acenaphthene	83-32-9	µg/Kg	20,000	100,000	98,000	< 400	U	740		< 390	U	< 400	U	< 380	U	< 390	U
Acenaphthylene	208-96-8	µg/Kg	100,000	100,000	107,000	< 400	U	310	J	< 390	U	< 400	U	< 380	U	110	J
Anthracene	120-12-7	µg/Kg	100,000	100,000	1,000,000	< 400	U	530		< 390	U	< 400	U	< 380	U	220	J
Benzo-a-Anthracene	56-55-3	µg/Kg	1,000	1,000	1,000	< 400	U	330	J	< 390	U	< 400	U	< 380	U	1,700	
Benzo-a-Pyrene	50-32-8	µg/Kg	1,000	1,000	22,000	< 400	U	320	J	< 390	U	< 400	U	< 380	U	1,900	
Benzo-b-Fluoranthene	205-99-2	µg/Kg	1,000	1,000	1,700	< 400	U	260	J	< 390	U	< 400	U	< 380	U	1,500	
Benzo-g,h,i-Perylene	191-24-2	µg/Kg	100,000	100,000	1,000,000	< 400	U	170	J	< 390	U	< 400	U	< 380	U	1,000	
Benzo-k-Fluoranthene	207-08-9	µg/Kg	800	3900	1700	< 400	U	250	J	< 390	U	< 400	U	< 380	U	1,500	
Chrysene	218-01-9	µg/Kg	1,000	3,900	1,000	< 400	U	290	J	< 390	U	< 400	U	< 380	U	1,600	
Dibenzo-a,h-Anthracene	53-70-3	µg/Kg	330	330	1000000	< 330	U	< 330	U	< 330	U	< 330	U	< 330	U	310	J
Fluoranthene	206-44-0	µg/Kg	100,000	100,000	1,000,000	< 400	U	900		< 390	U	< 400	U	210	J	2,800	
Fluorene	86-73-7	µg/Kg	30,000	100,000	386,000	< 400	U	1,100		< 390	U	< 400	U	< 380	U	< 390	U
Indeno(1,2,3-cd)Pyrene	193-39-5	µg/Kg	500	500	8200	< 400	U	210	J	< 390	U	< 400	U	< 380	U	1,400	
Naphthalene	91-20-3	µg/Kg	12,000	100,000	12,000	< 400	U	< 390	U	< 390	U	< 400	U	< 380	U	< 390	U
Phenanthrene	85-01-8	µg/Kg	100,000	100,000	1,000,000	< 400	U	2,200		< 390	U	< 400	U	110	J	870	
Pyrene	129-00-0	µg/Kg	100,000	100,000	1,000,000	< 400	U	840		< 390	U	< 400	U	170	J	2,400	

Notes:

ug/Kg: microgram per kilogram (ppb)

mg/Kg: milligram per kilogram (ppm)

U: Undetected J: Estimated S: Laboratory Solvent N: Spiked sample recovery not within control limits

NA: Unavailable NT: Not tested

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives

Method Detection Limit (MDL) above the UUSCO

Result rejected due to severe QC exceedance

**Table 4-1: Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York**

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-1		EP-2		EP-3		EP-4		EP-5		EP-6	
	Sample Depth					11'	11'	11'	10'	9'	9'						
	Lab ID					CD86776	CD86777	CD86778	CD86779	CD86780	CD86781						
	Sample Date					8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019						
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
<b>PFAS</b>																	
Perfluorobutanesulfonic acid (PFBS)	375-73-5	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
Perfluorohexanoic acid (PFHxA)	307-24-4	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
Perfluoroheptanoic acid (PFHpA)	375-85-9	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
Perfluorobutanoic acid (PFBA)	375-22-4	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
Perfluorodecanesulfonic acid (PFDS)	335-77-3	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
Perfluorooctanesulfonamide (FOSA)	754-91-6	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
Perfluoropentanoic acid (PFPeA)	2706-90-3	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
6:2 Fluorotelomersulfonate (6:2 FTS)	27619-97-2	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
8:2 Fluorotelomersulfonate (8:2 FTS)	39108-34-4	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
Perfluorooctanoic acid (PFOA)	335-67-1	µg/Kg	0.66	33	1.1	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	µg/Kg	0.88	44	3.7	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
Perfluorononanoic acid (PFNA)	375-95-1	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
Perfluorodecanoic acid (PFDA)	335-76-2	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
NMeFOSAA	2355-31-9	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
Perfluoroundecanoic acid (PFUnA)	2058-94-8	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
NETFOSAA	2991-50-6	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
Perfluorododecanoic acid (PFDoA)	307-55-1	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
Perfluorotridecanoic acid (PFTTrDA)	72629-94-8	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U
Perfluorotetradecanoic acid (PFTA)	376-06-7	µg/Kg	NA	NA	NA	NT		<1.1	U	NT		<1.1	U	NT		<1.0	U

Notes:

ug/Kg: microgram per kilogram (ppb)

mg/Kg: milligram per kilogram (ppm)

U: Undetected J: Estimated S: Laboratory Solvent N: Spiked sample recovery not within control limits

NA: Unavailable NT: Not tested

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives

Method Detection Limit (MDL) above the UUSCO

Result rejected due to severe QC exceedance

**Table 4-1: Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York**

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-7		EP-8		EP-9		EP-10		EP-11		EP-12	
	Sample Depth					9'	9'	9'	8'	8'	8'	8'					
	Lab ID					CD86782	CD86783	CD86788	CD86784	CD86785	CD86786	CD86786					
	Sample Date					8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019					
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
<b>Metals, Total</b>																	
Aluminum, Al	7429-90-5	mg/Kg	NA	NA	NA	17,100		22,500		22,400		19,500		16,000		16,200	
Antimony, Sb	7440-36-0	mg/Kg	NA	NA	NA	< 3.8	U	< 3.7	U	< 3.6	U	< 3.5	U	< 3.8	U	< 3.9	U
Arsenic, As	7440-38-2	mg/Kg	13	16	16	< 0.75	U	1.38		< 0.73	U	< 0.69	U	1.17		< 0.78	U
Barium, Ba	7440-39-3	mg/Kg	350	400	820	173		234		255		251		156		157	
Beryllium, Be	7440-41-7	mg/Kg	7.2	72	47	0.4		0.51		0.48		0.47		0.45		0.47	
Cadmium, Cd	7440-43-9	mg/Kg	2.5	4.3	7.5	0.39		0.42		0.49		0.44		0.43		0.44	
Calcium, Ca	7440-70-2	mg/Kg	NA	NA	NA	2,800		2,760		1,760		1,790		7,290		5,780	
Chromium, Cr	7440-47-3	mg/Kg	30	180	NA	46.5		46.4		48.2		41.6		43.2		51.1	
Cobalt, Co	7440-48-4	mg/Kg	NA	NA	NA	16.8		19.1		21.3		19.3		15.4		15.9	
Copper, Cu	7440-50-8	mg/kg	50	270	1720	29.1		29.3		39.6		35		40.8		32.6	
Iron, Fe	7439-89-6	mg/Kg	NA	NA	NA	31,900		38,800		41,000		38,500		28,700		32,700	
Lead, Pb	7439-92-1	mg/Kg	63	400	450	13.4		48.6		21		14.2		70.8		43.4	
Magnesium, Mg	7439-95-4	mg/Kg	NA	NA	NA	7,260		8,240		8,560		7,880		6,970		6,700	
Manganese, Mn	7439-96-5	mg/Kg	1,600	2,000	2,000	613		653		680		607		582		670	
Mercury, Hg	7439-97-6	mg/Kg	0.18	0.81	0.73	< 0.03	U	< 0.03	U	0.11		< 0.03	U	< 0.03	U	< 0.03	U
Nickel, Ni	7440-02-0	mg/Kg	30	310	130	41.4		41.2		42.3		37.6		40.7		59.3	
Potassium, K	9/7/7440	mg/Kg	NA	NA	NA	9,380		10,200		11,900		10,800		6,870		6,940	
Selenium, Se	7782-49-2	mg/Kg	4	180	4	< 1.5	U	< 1.5	U	< 1.5	U	< 1.4	U	< 1.5	U	< 1.6	U
Silver, Ag	7440-22-4	mg/Kg	2	180	8.3	< 0.38	U	< 0.37	U	< 0.36	U	< 0.35	U	< 0.38	U	< 0.39	U
Sodium, Na	7440-23-5	mg/Kg	NA	NA	NA	233		384		242		202		328		214	
Thallium, Tl	7440-28-0	mg/Kg	NA	NA	NA	< 1.5	U	< 1.5	U	< 1.5	U	< 1.4	U	< 1.5	U	< 1.6	U
Vanadium, V	7440-62-2	mg/Kg	NA	NA	NA	47.9		58.3		63.5		58.2		42.8		43.4	
Zinc, Zn	7440-66-6	mg/Kg	109	10000	2480	70.3		107		83.4		70.9		89.2		59.8	

Notes:  
 ug/Kg: microgram per kilogram (ppb)  
 mg/Kg: miligram per kilogram (ppm)  
 U: Undetected J: Estimated S: Laboratory Solvent N: Spiked sample recovery not within control limits  
 NA: Unavailable NT: Not tested

Analyte detected  
 Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives  
 Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives  
 Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives  
 Method Detection Limit (MDL) above the UUSCO  
 Result rejected due to severe QC exceedance

**Table 4-1:** Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-7		EP-8		EP-9		EP-10		EP-11		EP-12			
	Sample Depth					9'	9'	9'	8'	8'	8'	8'	8'	8'					
	Lab ID					CD86782	CD86783	CD86788	CD86784	CD86785	CD86786								
	Sample Date					8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019								
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
<b>PCBs By SW8082A</b>																			
Aroclor 1016	12674-11-2	µg/Kg	100	1,000	3,200	< 80	U	< 78	U	< 77	U	NT		NT		NT			
Aroclor 1221	11104-28-2	µg/Kg				< 80	U	< 78	U	< 77	U	NT		NT		NT		NT	
Aroclor 1232	11141-16-5	µg/Kg				< 80	U	< 78	U	< 77	U	NT		NT		NT		NT	
Aroclor 1242	53469-21-9	µg/Kg				< 80	U	< 78	U	< 77	U	NT		NT		NT		NT	
Aroclor 1248	12672-29-6	µg/Kg				< 80	U	< 78	U	< 77	U	NT		NT		NT		NT	
Aroclor 1254	11097-69-1	µg/Kg				< 80	U	< 78	U	< 77	U	NT		NT		NT		NT	
Aroclor 1260	11096-82-5	µg/Kg				< 80	U	< 78	U	< 77	U	NT		NT		NT		NT	
Aroclor 1262	37324-23-5	µg/Kg				< 80	U	< 78	U	< 77	U	NT		NT		NT		NT	
Aroclor 1268	11100-14-4	µg/Kg				< 80	U	< 78	U	< 77	U	NT		NT		NT		NT	

Notes:

ug/Kg: microgram per kilogram (ppb)

mg/Kg: miligram per kilogram (ppm)

U: Undetected J: Estimated S: Laboratory Solvent N: Spiked sample recovery not within control limits

NA: Unavailable NT: Not tested

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives

Method Detection Limit (MDL) above the UUSCO

Result rejected due to severe QC exceedance

**Table 4-1:** Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-7		EP-8		EP-9		EP-10		EP-11		EP-12	
	Sample Depth					9'	9'	9'	8'	8'	8'	8'					
	Lab ID					CD86782	CD86783	CD86788	CD86784	CD86785	CD86786						
	Sample Date					8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019						
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
<b>Volatiles By SW8260C</b>																	
1,1,1,2-Tetrachloroethane	630-20-6	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
1,1,1-Trichloroethane	71-55-6	µg/Kg	680	100000	680	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
1,1,2,2-Tetrachloroethane	79-34-5	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
1,1,2-Trichloroethane	79-00-5	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
1,1-Dichloroethane	75-34-3	µg/Kg	270	26000	270	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
1,1-Dichloroethene	75-35-4	µg/Kg	330	100000	330	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
1,1-Dichloropropene	563-58-6	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
1,2,3-Trichlorobenzene	87-61-6	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
1,2,3-Trichloropropane	96-18-4	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
1,2,4-Trichlorobenzene	120-82-1	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
1,2,4-Trimethylbenzene	95-63-6	µg/Kg	3,600	52,000	3,600	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
1,2-Dibromo-3-Chloropropane	96-12-8	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
1,2-Dibromoethane	106-93-4	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
1,2-Dichlorobenzene	95-50-1	µg/Kg	1,100	100,000	1,100	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
1,2-Dichloroethane	107-06-2	µg/Kg	20	3100	20	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
1,2-Dichloropropane	78-87-5	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
1,3,5-Trimethylbenzene	108-67-8	µg/Kg	8,400	52,000	8,400	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	0.83	J	0.88	J
1,3-Dichlorobenzene	541-73-1	µg/Kg	2,400	49,000	2,400	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
1,3-Dichloropropane	142-28-9	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
1,4-Dichlorobenzene	106-46-7	µg/Kg	1,800	13,000	1,800	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
2,2-Dichloropropane	594-20-7	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
2-Chlorotoluene	95-49-8	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
2-Hexanone	591-78-6	µg/Kg	NA	NA	NA	< 28	U	< 25	U	< 31	U	< 27	U	< 25	U	< 24	U
2-Isopropyltoluene	527-84-4	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	73	J	0.65	J
4-Chlorotoluene	106-43-4	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Methyl Isobutyl Ketone	108-10-1	µg/Kg	NA	NA	NA	< 28	U	< 25	U	< 31	U	< 27	U	< 25	U	< 24	U
Acetone	67-64-1	µg/Kg	50	100000	50	2,400		1,000	S	1,700		660	S	2,000		1,500	
Acrylonitrile	107-13-1	µg/Kg	NA	NA	NA	< 11	U	< 10	U	< 13	U	< 11	U	< 9.9	U	< 9.8	U
Benzene	71-43-2	µg/Kg	60	4800	60	0.69	J	< 5.0	U	1	J	1.2	J	0.62	J	< 4.9	U
Bromobenzene	108-86-1	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Bromochloromethane	74-97-5	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Bromodichloromethane	75-27-4	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Bromoform	75-25-2	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Bromomethane	74-83-9	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Carbon Disulfide	75-15-0	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	2.2	J
Carbon Tetrachloride	56-23-5	µg/Kg	760	2400	760	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Chlorobenzene	108-90-7	µg/Kg	1,100	100,000	1,100	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Chloroethane	75-00-3	µg/Kg	NA	NA	1900	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U



**Table 4-1: Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York**

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-7		EP-8		EP-9		EP-10		EP-11		EP-12	
	Sample Depth					9'	9'	9'	8'	8'	8'	8'					
	Lab ID					CD86782	CD86783	CD86788	CD86784	CD86785	CD86786	CD86786					
	Sample Date					8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019					
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Chloroform	67-66-3	µg/Kg	370	49000	370	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Chloromethane	74-87-3	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
cis-1,2-Dichloroethene	156-59-2	µg/Kg	250	100000	250	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
cis-1,3-Dichloropropene	10061-01-5	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Chlorodibromomethane	124-48-1	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Dibromomethane	74-95-3	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Dichlorodifluoromethane	75-71-8	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Ethylbenzene	100-41-4	µg/Kg	1,000	41,000	1,000	< 5.6	U	< 5.0	U	< 6.3	U	0.74	J	< 4.9	U	< 4.9	U
Hexachlorobutadiene	87-68-3	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Isopropylbenzene	98-82-8	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
m&p-Xylene	179601-23-1	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	2	J	< 4.9	U	< 4.9	U
2-Butanone	78-93-3	µg/Kg	NA	100000	120	< 34	U	< 30	U	< 38	U	11	J	< 30	U	< 29	U
Methyl Tert-Butyl Ether	1634-04-4	µg/Kg	930	100000	930	< 11	U	< 10	U	< 13	U	< 11	U	< 9.9	U	< 9.8	U
Methylene Chloride	75-09-2	µg/Kg	50	100000	50	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Naphthalene	91-20-3	µg/Kg	12,000	100,000	12,000	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
n-Butylbenzene	104-51-8	µg/Kg	12,000	100,000	12,000	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	170	J	< 4.9	U
n-Propylbenzene	103-65-1	µg/Kg	3,900	100,000	3,900	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
o-Xylene	95-47-6	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	1.1	J	< 4.9	U	< 4.9	U
p-Isopropyltoluene	99-87-6	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	180		1.1	J
sec-Butylbenzene	135-98-8	µg/Kg	11,000	100,000	11,000	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	98	J	< 4.9	U
Styrene	100-42-5	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
tert-Butylbenzene	98-06-6	µg/Kg	5,900	100,000	5,900	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Tetrachloroethene	127-18-4	µg/Kg	1,300	19,000	1,300	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Tetrahydrofuran	109-99-9	µg/Kg	NA	NA	NA	25		23		39		36		28		27	
Toluene	108-88-3	µg/Kg	700	100000	700	100	J	95	J	110	J	6		120	J	89	J
Total Xylenes	1330-20-7	µg/Kg	260	100,000	1,600	<5.6	U	<5.0	U	<6.3	U	3.1		<4.9	U	<4.9	U
trans-1,2-Dichloroethene	156-60-5	µg/Kg	190	100000	190	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
trans-1,3-Dichloropropene	10061-02-6	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
trans-1,4-dichloro-2-butene	110-57-6	µg/Kg	NA	NA	NA	< 11	U	< 10	U	< 13	U	< 11	U	< 9.9	U	< 9.8	U
Trichloroethene	79-01-6	µg/Kg	470	21000	470	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	0.5	J	< 4.9	U
Trichlorofluoromethane	75-69-4	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Trichlorotrifluoroethane	76-13-1	µg/Kg	NA	NA	NA	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U
Vinyl Chloride	75-01-4	µg/Kg	20	900	20	< 5.6	U	< 5.0	U	< 6.3	U	< 5.4	U	< 4.9	U	< 4.9	U

Notes:

ug/Kg: microgram per kilogram (ppb)

mg/Kg: miligram per kilogram (ppm)

U: Undetected J: Estimated S: Laboratory Solvent N: Spiked sample recovery not within control limits

NA: Unavailable NT: Not tested

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives

Method Detection Limit (MDL) above the UUSCO

Result rejected due to severe QC exceedance



**Table 4-1:** Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-7		EP-8		EP-9		EP-10		EP-11		EP-12	
	Sample Depth					9'	9'	9'	8'	8'	8'	8'					
	Lab ID					CD86782	CD86783	CD86788	CD86784	CD86785	CD86786						
	Sample Date					8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019	8/12/2019						
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
<b>Polynuclear Aromatic HC By SW8270D</b>																	
2-Methylnaphthalene	91-57-6	µg/Kg	NA	NA	36400	< 400	U	< 400	U	< 380	U	< 380	U	< 400	U	< 390	U
Acenaphthene	83-32-9	µg/Kg	20,000	100,000	98,000	< 400	U	< 400	U	< 380	U	< 380	U	< 400	U	< 390	U
Acenaphthylene	208-96-8	µg/Kg	100,000	100,000	107,000	< 400	U	< 400	U	< 380	U	< 380	U	< 400	U	< 390	U
Anthracene	120-12-7	µg/Kg	100,000	100,000	1,000,000	< 400	U	< 400	U	< 380	U	< 380	U	< 400	U	< 390	U
Benzo-a-Anthracene	56-55-3	µg/Kg	1,000	1,000	1,000	< 400	U	< 400	U	< 380	U	< 380	U	< 400	U	< 390	U
Benzo-a-Pyrene	50-32-8	µg/Kg	1,000	1,000	22,000	< 400	U	< 400	U	< 380	U	< 380	U	< 400	U	< 390	U
Benzo-b-Fluoranthene	205-99-2	µg/Kg	1,000	1,000	1,700	< 400	U	< 400	U	< 380	U	< 380	U	< 400	U	< 390	U
Benzo-g,h,i-Perylene	191-24-2	µg/Kg	100,000	100,000	1,000,000	< 400	U	< 400	U	< 380	U	< 380	U	< 400	U	< 390	U
Benzo-k-Fluoranthene	207-08-9	µg/Kg	800	3900	1700	< 400	U	< 400	U	< 380	U	< 380	U	< 400	U	< 390	U
Chrysene	218-01-9	µg/Kg	1,000	3,900	1,000	< 400	U	< 400	U	< 380	U	< 380	U	< 400	U	< 390	U
Dibenzo-a,h-Anthracene	53-70-3	µg/Kg	330	330	1000000	< 330	U	< 330	U	< 330	U	< 330	U	< 330	U	< 330	U
Fluoranthene	206-44-0	µg/Kg	100,000	100,000	1,000,000	< 400	U	< 400	U	< 380	U	< 380	U	< 400	U	< 390	U
Fluorene	86-73-7	µg/Kg	30,000	100,000	386,000	< 400	U	< 400	U	< 380	U	< 380	U	< 400	U	< 390	U
Indeno(1,2,3-cd)Pyrene	193-39-5	µg/Kg	500	500	8200	< 400	U	< 400	U	< 380	U	< 380	U	< 400	U	< 390	U
Naphthalene	91-20-3	µg/Kg	12,000	100,000	12,000	< 400	U	< 400	U	< 380	U	< 380	U	< 400	U	< 390	U
Phenanthrene	85-01-8	µg/Kg	100,000	100,000	1,000,000	< 400	U	< 400	U	< 380	U	< 380	U	< 400	U	< 390	U
Pyrene	129-00-0	µg/Kg	100,000	100,000	1,000,000	< 400	U	< 400	U	< 380	U	< 380	U	< 400	U	< 390	U

Notes:

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mg/Kg: miligram per kilogram (ppm)

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NA: Unavailable NT: Not tested

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives

Method Detection Limit (MDL) above the UUSCO

Result rejected due to severe QC exceedance

**Table 4-1: Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York**

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-7		EP-8		EP-9		EP-10		EP-11		EP-12	
	Sample Depth					9'	9'	9'	8'	8'	8'						
	Lab ID					CD86782		CD86783		CD86788		CD86784		CD86785		CD86786	
	Sample Date					8/12/2019		8/12/2019		8/12/2019		8/12/2019		8/12/2019		8/12/2019	
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
<b>PFAS</b>																	
Perfluorobutanesulfonic acid (PFBS)	375-73-5	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
Perfluorohexanoic acid (PFHxA)	307-24-4	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
Perfluoroheptanoic acid (PFHpA)	375-85-9	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
Perfluorobutanoic acid (PFBA)	375-22-4	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
Perfluorodecanesulfonic acid (PFDS)	335-77-3	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
Perfluorooctanesulfonamide (FOSA)	754-91-6	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
Perfluoropentanoic acid (PFPeA)	2706-90-3	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
6:2 Fluorotelomersulfonate (6:2 FTS)	27619-97-2	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<1.2	U	NT		<1.2	U
8:2 Fluorotelomersulfonate (8:2 FTS)	39108-34-4	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
Perfluorooctanoic acid (PFOA)	335-67-1	µg/Kg	0.66	33	1.1	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	µg/Kg	0.88	44	3.7	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
Perfluorononanoic acid (PFNA)	375-95-1	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
Perfluorodecanoic acid (PFDA)	335-76-2	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
NMeFOSAA	2355-31-9	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
Perfluoroundecanoic acid (PFUnA)	2058-94-8	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
NETFOSAA	2991-50-6	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
Perfluorododecanoic acid (PFDoA)	307-55-1	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U
Perfluorotetradecanoic acid (PFTA)	376-06-7	µg/Kg	NA	NA	NA	NT		<1.0	U	NT		<0.99	U	NT		<1.0	U

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Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives

Method Detection Limit (MDL) above the UUSCO

Result rejected due to severe QC exceedance

**Table 4-1: Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York**

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-13		EP-15		EP-16		EP-17		EP-18		EP-19	
	Sample Depth					8'	5'	5'	5'	2'	2'						
	Lab ID					CD86787	CF36867	CF36868	CG07919	CG19832	CG19833						
	Sample Date					8/12/2019	2/20/2020	2/20/2020	6/4/2020	6/23/2020	6/23/2020						
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
<b>Metals, Total</b>																	
Aluminum, Al	7429-90-5	mg/Kg	NA	NA	NA	16,800		4,170		12,400		15,500		15,500		13,300	
Antimony, Sb	7440-36-0	mg/Kg	NA	NA	NA	< 3.7	U	< 4.1	U	< 3.5	U	< 3.7		< 3.2	U	< 3.4	U
Arsenic, As	7440-38-2	mg/Kg	13	16	16	1.04		< 0.82	U	1.45		2.23		2.14		2.61	
Barium, Ba	7440-39-3	mg/Kg	350	400	820	122		23.4		77.2		78.7		142		169	
Beryllium, Be	7440-41-7	mg/Kg	7.2	72	47	0.59		< 0.33	U	0.43		0.5		0.37		0.31	
Cadmium, Cd	7440-43-9	mg/Kg	2.5	4.3	7.5	0.41		0.44		0.82		0.81		1.5		1.92	
Calcium, Ca	7440-70-2	mg/Kg	NA	NA	NA	2,080		998	*	808	*	1,980		3,680		22,500	
Chromium, Cr	7440-47-3	mg/Kg	30	180	NA	86.4		1.68		19.6		35.6		31.7		46.9	
Cobalt, Co	7440-48-4	mg/Kg	NA	NA	NA	20.9		1.57		7.99		11.9		13.5		14	
Copper, Cu	7440-50-8	mg/kg	50	270	1720	25.4		4.8		17.5		21.3		38		162	
Iron, Fe	7439-89-6	mg/Kg	NA	NA	NA	29,600		9,260		16,400		22,100		24,800		25,400	
Lead, Pb	7439-92-1	mg/Kg	63	400	450	16.2		2.8		3.7		22.4		176		129	
Magnesium, Mg	7439-95-4	mg/Kg	NA	NA	NA	7,700		1,370	*	2,620	*	4,000		4,790		11,200	
Manganese, Mn	7439-96-5	mg/Kg	1,600	2,000	2,000	835		198		494		543		471		363	
Mercury, Hg	7439-97-6	mg/Kg	0.18	0.81	0.73	< 0.03	U	< 0.03	JN, *	< 0.03	JN, *	< 0.03		0.65		0.11	
Nickel, Ni	7440-02-0	mg/Kg	30	310	130	144		7.24		31.2		44.6		29.9		70.9	
Potassium, K	9/7/7440	mg/Kg	NA	NA	NA	5,030		850	N	2,100	N	2,470		5,380		4,880	
Selenium, Se	7782-49-2	mg/Kg	4	180	4	< 1.5	U	< 1.6	U	< 1.4	U	< 1.5		< 1.3	U	< 1.3	U
Silver, Ag	7440-22-4	mg/Kg	2	180	8.3	< 0.37	U	< 0.41	U	< 0.35	U	< 0.37		< 0.32	U	< 0.34	U
Sodium, Na	7440-23-5	mg/Kg	NA	NA	NA	112		57		79		179		162		277	
Thallium, Tl	7440-28-0	mg/Kg	NA	NA	NA	< 1.5	U	< 1.6	U	< 1.4	U	< 3.3		< 1.3	U	< 1.3	U
Vanadium, V	7440-62-2	mg/Kg	NA	NA	NA	39.8		3.1		23.4		32.2		36.1		52.5	
Zinc, Zn	7440-66-6	mg/Kg	109	10000	2480	51.1		7.7		24.8		65.7		111		174	

Notes:

ug/Kg: microgram per kilogram (ppb)

mg/Kg: milligram per kilogram (ppm)

U: Undetected J: Estimated S: Laboratory Solvent N: Spiked sample recovery not within control limits

NA: Unavailable NT: Not tested

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives

Method Detection Limit (MDL) above the UUSCO

Result rejected due to severe QC exceedance

**Table 4-1: Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York**

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-13		EP-15		EP-16		EP-17		EP-18		EP-19			
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	Lab ID					CD86787		CF36867		CF36868		CG07919		CG19832		CG19833			
	Sample Date					8/12/2019		2/20/2020		2/20/2020		6/4/2020		6/23/2020		6/23/2020			
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
<b>PCBs By SW8082A</b>																			
Aroclor 1016	12674-11-2	µg/Kg	100	1,000	3,200	NT		NT		NT		NT		NT		NT			
Aroclor 1221	11104-28-2	µg/Kg				NT		NT		NT		NT		NT		NT		NT	
Aroclor 1232	11141-16-5	µg/Kg				NT		NT		NT		NT		NT		NT		NT	
Aroclor 1242	53469-21-9	µg/Kg				NT		NT		NT		NT		NT		NT		NT	
Aroclor 1248	12672-29-6	µg/Kg				NT		NT		NT		NT		NT		NT		NT	
Aroclor 1254	11097-69-1	µg/Kg				NT		NT		NT		NT		NT		NT		NT	
Aroclor 1260	11096-82-5	µg/Kg				NT		NT		NT		NT		NT		NT		NT	
Aroclor 1262	37324-23-5	µg/Kg				NT		NT		NT		NT		NT		NT		NT	
Aroclor 1268	11100-14-4	µg/Kg				NT		NT		NT		NT		NT		NT		NT	

Notes:

ug/Kg: microgram per kilogram (ppb)

mg/Kg: miligram per kilogram (ppm)

U: Undetected J: Estimated S: Laboratory Solvent N: Spiked sample recovery not within control limits

NA: Unavailable NT: Not tested

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives

Method Detection Limit (MDL) above the UUSCO

Result rejected due to severe QC exceedance

**Table 4-1: Laboratory Analysis Results- Soil Endpoint Samples**  
The Huguenot Site, New Rochelle, New York

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	Lab ID					CD86787	CF36867	CF36868	CG07919	CG19832	CG19833						
	Sample Date					8/12/2019	2/20/2020	2/20/2020	6/4/2020	6/23/2020	6/23/2020						
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
<b>Volatiles By SW8260C</b>																	
1,1,1,2-Tetrachloroethane	630-20-6	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
1,1,1-Trichloroethane	71-55-6	µg/Kg	680	100000	680	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
1,1,2,2-Tetrachloroethane	79-34-5	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
1,1,2-Trichloroethane	79-00-5	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
1,1-Dichloroethane	75-34-3	µg/Kg	270	26000	270	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
1,1-Dichloroethene	75-35-4	µg/Kg	330	100000	330	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
1,1-Dichloropropene	563-58-6	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
1,2,3-Trichlorobenzene	87-61-6	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
1,2,3-Trichloropropane	96-18-4	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
1,2,4-Trichlorobenzene	120-82-1	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
1,2,4-Trimethylbenzene	95-63-6	µg/Kg	3,600	52,000	3,600	< 5.4	U	0.97	J	2.4	J	< 5.3	U	NT		NT	
1,2-Dibromo-3-Chloropropane	96-12-8	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
1,2-Dibromoethane	106-93-4	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
1,2-Dichlorobenzene	95-50-1	µg/Kg	1,100	100,000	1,100	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
1,2-Dichloroethane	107-06-2	µg/Kg	20	3100	20	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
1,2-Dichloropropane	78-87-5	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
1,3,5-Trimethylbenzene	108-67-8	µg/Kg	8,400	52,000	8,400	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
1,3-Dichlorobenzene	541-73-1	µg/Kg	2,400	49,000	2,400	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
1,3-Dichloropropane	142-28-9	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
1,4-Dichlorobenzene	106-46-7	µg/Kg	1,800	13,000	1,800	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
2,2-Dichloropropane	594-20-7	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
2-Chlorotoluene	95-49-8	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
2-Hexanone	591-78-6	µg/Kg	NA	NA	NA	< 27	U	< 29	U	< 31	U	< 27	U	NT		NT	
2-Isopropyltoluene	527-84-4	µg/Kg	NA	NA	NA	52	J	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
4-Chlorotoluene	106-43-4	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Methyl Isobutyl Ketone	108-10-1	µg/Kg	NA	NA	NA	< 27	U	< 29	U	< 31	U	< 27	U	NT		NT	
Acetone	67-64-1	µg/Kg	50	100000	50	2,400		< 29	U	< 31	U	< 27	U	NT		NT	
Acrylonitrile	107-13-1	µg/Kg	NA	NA	NA	< 11	U	< 12	U	< 12	U	< 11	U	NT		NT	
Benzene	71-43-2	µg/Kg	60	4800	60	0.6	J	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Bromobenzene	108-86-1	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Bromochloromethane	74-97-5	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Bromodichloromethane	75-27-4	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Bromoform	75-25-2	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Bromomethane	74-83-9	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Carbon Disulfide	75-15-0	µg/Kg	NA	NA	NA	1.6	J	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Carbon Tetrachloride	56-23-5	µg/Kg	760	2400	760	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Chlorobenzene	108-90-7	µg/Kg	1,100	100,000	1,100	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Chloroethane	75-00-3	µg/Kg	NA	NA	1900	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	

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The Huguenot Site, New Rochelle, New York**

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-13		EP-15		EP-16		EP-17		EP-18		EP-19	
	Sample Depth					8'	5'	5'	5'	2'	2'						
	Lab ID					CD86787	CF36867	CF36868	CG07919	CG19832	CG19833						
	Sample Date					8/12/2019	2/20/2020	2/20/2020	6/4/2020	6/23/2020	6/23/2020						
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
Chloroform	67-66-3	µg/Kg	370	49000	370	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Chloromethane	74-87-3	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
cis-1,2-Dichloroethene	156-59-2	µg/Kg	250	100000	250	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
cis-1,3-Dichloropropene	10061-01-5	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Chlorodibromomethane	124-48-1	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Dibromomethane	74-95-3	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Dichlorodifluoromethane	75-71-8	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Ethylbenzene	100-41-4	µg/Kg	1,000	41,000	1,000	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Hexachlorobutadiene	87-68-3	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Isopropylbenzene	98-82-8	µg/Kg	NA	NA	NA	53	J	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
m&p-Xylene	179601-23-1	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
2-Butanone	78-93-3	µg/Kg	NA	100000	120	< 32	U	< 35	U	< 37	U	< 27	U	NT		NT	
Methyl Tert-Butyl Ether	1634-04-4	µg/Kg	930	100000	930	< 11	U	< 12	U	< 12	U	< 11	U	NT		NT	
Methylene Chloride	75-09-2	µg/Kg	50	100000	50	< 5.4	U	< 5.8	U	< 6.1	U	< 11	U	NT		NT	
Naphthalene	91-20-3	µg/Kg	12,000	100,000	12,000	1.5	J	< 5.8	U	2.7	J	< 5.3	U	NT		NT	
n-Butylbenzene	104-51-8	µg/Kg	12,000	100,000	12,000	180	J	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
n-Propylbenzene	103-65-1	µg/Kg	3,900	100,000	3,900	98	J	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
o-Xylene	95-47-6	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
p-Isopropyltoluene	99-87-6	µg/Kg	NA	NA	NA	51	J	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
sec-Butylbenzene	135-98-8	µg/Kg	11,000	100,000	11,000	150	J	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Styrene	100-42-5	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
tert-Butylbenzene	98-06-6	µg/Kg	5,900	100,000	5,900	1.3	J	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Tetrachloroethene	127-18-4	µg/Kg	1,300	19,000	1,300	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Tetrahydrofuran	109-99-9	µg/Kg	NA	NA	NA	43		< 12	U	< 12	U	< 11	U	NT		NT	
Toluene	108-88-3	µg/Kg	700	100000	700	130	J	0.59	J	< 6.1	U	< 5.3	U	NT		NT	
Total Xylenes	1330-20-7	µg/Kg	260	100,000	1,600	<5.4	U	<5.8	U	<6.1	U	<5.3	U	NT		NT	
trans-1,2-Dichloroethene	156-60-5	µg/Kg	190	100000	190	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
trans-1,3-Dichloropropene	10061-02-6	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
trans-1,4-dichloro-2-butene	110-57-6	µg/Kg	NA	NA	NA	< 11	U	< 12	U	< 12	U	< 11	U	NT		NT	
Trichloroethene	79-01-6	µg/Kg	470	21000	470	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Trichlorofluoromethane	75-69-4	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Trichlorotrifluoroethane	76-13-1	µg/Kg	NA	NA	NA	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	
Vinyl Chloride	75-01-4	µg/Kg	20	900	20	< 5.4	U	< 5.8	U	< 6.1	U	< 5.3	U	NT		NT	

Notes:

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	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
<b>Polynuclear Aromatic HC By SW8270D</b>		µg/Kg															
2-Methylnaphthalene	91-57-6	µg/Kg	NA	NA	36400	< 390	U	< 370	U	< 360	U	< 250	U	< 350	U	< 3300	U
Acenaphthene	83-32-9	µg/Kg	20,000	100,000	98,000	< 390	U	< 370	U	< 360	U	< 250	U	< 350	U	< 3300	U
Acenaphthylene	208-96-8	µg/Kg	100,000	100,000	107,000	< 390	U	< 370	U	< 360	U	< 250	U	< 350	U	< 3300	U
Anthracene	120-12-7	µg/Kg	100,000	100,000	1,000,000	< 390	U	< 370	U	< 360	U	< 250	U	< 350	U	< 3300	U
Benzo-a-Anthracene	56-55-3	µg/Kg	1,000	1,000	1,000	< 390	U	< 370	U	< 360	U	< 250	U	< 350	U	< 3300	U
Benzo-a-Pyrene	50-32-8	µg/Kg	1,000	1,000	22,000	< 390	U	< 370	U	< 360	U	< 250	U	< 350	U	1,000	
Benzo-b-Fluoranthene	205-99-2	µg/Kg	1,000	1,000	1,700	< 390	U	< 370	U	< 360	U	< 250	U	< 350	U	< 3300	U
Benzo-g,h,i-Perylene	191-24-2	µg/Kg	100,000	100,000	1,000,000	< 390	U	< 370	U	< 360	U	< 250	U	< 350	U	< 3300	U
Benzo-k-Fluoranthene	207-08-9	µg/Kg	800	3900	1700	< 390	U	< 370	U	< 360	U	< 250	U	< 350	U	< 3300	U
Chrysene	218-01-9	µg/Kg	1,000	3,900	1,000	< 390	U	< 370	U	< 360	U	< 250	U	< 350	U	< 3300	U
Dibenzo-a,h-Anthracene	53-70-3	µg/Kg	330	330	1000000	< 330	U	< 330	U	< 330	U	< 250	U	< 350	U	< 560	U
Fluoranthene	206-44-0	µg/Kg	100,000	100,000	1,000,000	< 390	U	< 370	U	< 360	U	< 250	U	130	J	1,500	J
Fluorene	86-73-7	µg/Kg	30,000	100,000	386,000	< 390	U	< 370	U	< 360	U	< 250	U	< 350	U	< 3300	U
Indeno(1,2,3-cd)Pyrene	193-39-5	µg/Kg	500	500	8200	< 390	U	< 370	U	< 360	U	< 250	U	< 350	U	< 3300	U
Naphthalene	91-20-3	µg/Kg	12,000	100,000	12,000	< 390	U	< 370	U	< 360	U	< 250	U	< 350	U	< 3300	U
Phenanthrene	85-01-8	µg/Kg	100,000	100,000	1,000,000	< 390	U	< 370	U	< 360	U	< 250	U	< 350	U	< 3300	U
Pyrene	129-00-0	µg/Kg	100,000	100,000	1,000,000	< 390	U	< 370	U	< 360	U	< 250	U	< 350	U	1,300	J

Notes:

ug/Kg: microgram per kilogram (ppb)

mg/Kg: miligram per kilogram (ppm)

U: Undetected J: Estimated S: Laboratory Solvent N: Spiked sample recovery not within control limits

NA: Unavailable NT: Not tested

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives

Method Detection Limit (MDL) above the UUSCO

Result rejected due to severe QC exceedance

**Table 4-1: Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York**

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-13		EP-15		EP-16		EP-17		EP-18		EP-19	
	Sample Depth					8'	5'	5'	5'	2'	2'						
	Lab ID					CD86787	CF36867	CF36868	CG07919	CG19832	CG19833						
	Sample Date					8/12/2019	2/20/2020	2/20/2020	6/4/2020	6/23/2020	6/23/2020						
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
<b>PFAS</b>																	
Perfluorobutanesulfonic acid (PFBS)	375-73-5	µg/Kg	NA	NA	NA	NT		NT		NT		NT		<0.462	U	<0.451	U
Perfluorohexanoic acid (PFHxA)	307-24-4	µg/Kg	NA	NA	NA	NT		NT		NT		NT		0.0798	J	0.137	J
Perfluoroheptanoic acid (PFHpA)	375-85-9	µg/Kg	NA	NA	NA	NT		NT		NT		NT		0.0876	J	0.0686	J
Perfluorobutanoic acid (PFBA)	375-22-4	µg/Kg	NA	NA	NA	NT		NT		NT		NT		0.317	J	0.495	
Perfluorodecanesulfonic acid (PFDS)	335-77-3	µg/Kg	NA	NA	NA	NT		NT		NT		NT		<0.462	U	<0.451	U
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	µg/Kg	NA	NA	NA	NT		NT		NT		NT		<0.462	U	<0.451	U
Perfluorooctanesulfonamide (FOSA)	754-91-6	µg/Kg	NA	NA	NA	NT		NT		NT		NT		<0.462	U	<0.451	U
Perfluoropentanoic acid (PFPeA)	2706-90-3	µg/Kg	NA	NA	NA	NT		NT		NT		NT		0.122	J	0.245	J
6:2 Fluorotelomersulfonate (6:2 FTS)	27619-97-2	µg/Kg	NA	NA	NA	NT		NT		NT		NT		<0.462	U	<0.451	U
8:2 Fluorotelomersulfonate (8:2 FTS)	39108-34-4	µg/Kg	NA	NA	NA	NT		NT		NT		NT		<0.462	U	<0.451	U
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	µg/Kg	NA	NA	NA	NT		NT		NT		NT		0.059	J	0.123	J
Perfluorooctanoic acid (PFOA)	335-67-1	µg/Kg	0.66	33	1.1	NT		NT		NT		NT		0.239	J	0.13	J
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	µg/Kg	0.88	44	3.7	NT		NT		NT		NT		0.512		0.956	
Perfluorononanoic acid (PFNA)	375-95-1	µg/Kg	NA	NA	NA	NT		NT		NT		NT		<0.462	U	0.06	J
Perfluorodecanoic acid (PFDA)	335-76-2	µg/Kg	NA	NA	NA	NT		NT		NT		NT		<0.462	U	0.116	J
NMeFOSAA	2355-31-9	µg/Kg	NA	NA	NA	NT		NT		NT		NT		<0.462	U	<0.451	U
Perfluoroundecanoic acid (PFUnA)	2058-94-8	µg/Kg	NA	NA	NA	NT		NT		NT		NT		<0.462	U	<0.451	U
NEtFOSAA	2991-50-6	µg/Kg	NA	NA	NA	NT		NT		NT		NT		<0.462	U	<0.451	U
Perfluorododecanoic acid (PFDoA)	307-55-1	µg/Kg	NA	NA	NA	NT		NT		NT		NT		<0.462	U	0.0962	J
Perfluorotridecanoic acid (PFTTrDA)	72629-94-8	µg/Kg	NA	NA	NA	NT		NT		NT		NT		<0.462	U	<0.451	U
Perfluorotetradecanoic acid (PFTA)	376-06-7	µg/Kg	NA	NA	NA	NT		NT		NT		NT		<0.462	U	<0.451	U

Notes:

ug/Kg: microgram per kilogram (ppb)

mg/Kg: miligram per kilogram (ppm)

U: Undetected J: Estimated S: Laboratory Solvent N: Spiked sample recovery not within control limits

NA: Unavailable NT: Not tested

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives

Method Detection Limit (MDL) above the UUSCO

Result rejected due to severe QC exceedance



**Table 4-1:** Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-20		EP-21	
	Sample Depth					2'		2'	
	Lab ID					CG19834		CG19835	
	Sample Date					6/23/2020		6/23/2020	
	CAS					Result	Qual	Result	Qual
<b>Metals, Total</b>									
Aluminum, Al	7429-90-5	mg/Kg	NA	NA	NA	16,400		14,100	
Antimony, Sb	7440-36-0	mg/Kg	NA	NA	NA	< 3.8	U	< 3.3	U
Arsenic, As	7440-38-2	mg/Kg	13	16	16	2.14		2.06	
Barium, Ba	7440-39-3	mg/Kg	350	400	820	164		139	
Beryllium, Be	7440-41-7	mg/Kg	7.2	72	47	0.45		0.35	
Cadmium, Cd	7440-43-9	mg/Kg	2.5	4.3	7.5	1.71		1.59	
Calcium, Ca	7440-70-2	mg/Kg	NA	NA	NA	16,500		4,610	
Chromium, Cr	7440-47-3	mg/Kg	30	180	NA	54.5		32.4	
Cobalt, Co	7440-48-4	mg/Kg	NA	NA	NA	14.8		13.9	
Copper, Cu	7440-50-8	mg/kg	50	270	1720	48.7		56.3	
Iron, Fe	7439-89-6	mg/Kg	NA	NA	NA	26,700		24,200	
Lead, Pb	7439-92-1	mg/Kg	63	400	450	51.8		194	
Magnesium, Mg	7439-95-4	mg/Kg	NA	NA	NA	9,240		5,270	
Manganese, Mn	7439-96-5	mg/Kg	1,600	2,000	2,000	470		523	
Mercury, Hg	7439-97-6	mg/Kg	0.18	0.81	0.73	0.1		0.4	
Nickel, Ni	7440-02-0	mg/Kg	30	310	130	49.3		37.5	
Potassium, K	9/7/7440	mg/Kg	NA	NA	NA	5,570		4,550	
Selenium, Se	7782-49-2	mg/Kg	4	180	4	< 1.5	U	< 1.3	U
Silver, Ag	7440-22-4	mg/Kg	2	180	8.3	< 0.38	U	< 0.33	U
Sodium, Na	7440-23-5	mg/Kg	NA	NA	NA	215		188	
Thallium, Tl	7440-28-0	mg/Kg	NA	NA	NA	< 1.5	U	< 1.3	U
Vanadium, V	7440-62-2	mg/Kg	NA	NA	NA	45.8		35.4	
Zinc, Zn	7440-66-6	mg/Kg	109	10000	2480	92.7		116	

Notes:

ug/Kg: microgram per kilogram (ppb)

mg/Kg: miligram per kilogram (ppm)

U: Undetected J: Estimated S: Laboratory Solvent N: Spiked sample recovery not within control limits

NA: Unavailable NT: Not tested

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives

Method Detection Limit (MDL) above the UUSCO

Result rejected due to severe QC exceedance

**Table 4-1:** Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-20		EP-21	
	Sample Depth					2'		2'	
	Lab ID					CG19834		CG19835	
	Sample Date					6/23/2020		6/23/2020	
	CAS					Result	Qual	Result	Qual
<b>PCBs By SW8082A</b>									
Aroclor 1016	12674-11-2	µg/Kg	100	1,000	3,200	NT		NT	
Aroclor 1221	11104-28-2	µg/Kg				NT		NT	
Aroclor 1232	11141-16-5	µg/Kg				NT		NT	
Aroclor 1242	53469-21-9	µg/Kg				NT		NT	
Aroclor 1248	12672-29-6	µg/Kg				NT		NT	
Aroclor 1254	11097-69-1	µg/Kg				NT		NT	
Aroclor 1260	11096-82-5	µg/Kg				NT		NT	
Aroclor 1262	37324-23-5	µg/Kg				NT		NT	
Aroclor 1268	11100-14-4	µg/Kg				NT		NT	

Notes:

ug/Kg: microgram per kilogram (ppb)

mg/Kg: miligram per kilogram (ppm)

U: Undetected J: Estimated S: Laboratory Solvent N: Spiked sample recovery not within control limits

NA: Unavailable NT: Not tested

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives

Method Detection Limit (MDL) above the UUSCO

Result rejected due to severe QC exceedance

**Table 4-1:** Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-20		EP-21	
	Sample Depth					2'		2'	
	Lab ID					CG19834		CG19835	
	Sample Date					6/23/2020		6/23/2020	
	CAS					Result	Qual	Result	Qual
<b>Volatiles By SW8260C</b>									
1,1,1,2-Tetrachloroethane	630-20-6	µg/Kg	NA	NA	NA	NT		NT	
1,1,1-Trichloroethane	71-55-6	µg/Kg	680	100000	680	NT		NT	
1,1,2-Tetrachloroethane	79-34-5	µg/Kg	NA	NA	NA	NT		NT	
1,1,2-Trichloroethane	79-00-5	µg/Kg	NA	NA	NA	NT		NT	
1,1-Dichloroethane	75-34-3	µg/Kg	270	26000	270	NT		NT	
1,1-Dichloroethene	75-35-4	µg/Kg	330	100000	330	NT		NT	
1,1-Dichloropropene	563-58-6	µg/Kg	NA	NA	NA	NT		NT	
1,2,3-Trichlorobenzene	87-61-6	µg/Kg	NA	NA	NA	NT		NT	
1,2,3-Trichloropropane	96-18-4	µg/Kg	NA	NA	NA	NT		NT	
1,2,4-Trichlorobenzene	120-82-1	µg/Kg	NA	NA	NA	NT		NT	
1,2,4-Trimethylbenzene	95-63-6	µg/Kg	3,600	52,000	3,600	NT		NT	
1,2-Dibromo-3-Chloropropane	96-12-8	µg/Kg	NA	NA	NA	NT		NT	
1,2-Dibromoethane	106-93-4	µg/Kg	NA	NA	NA	NT		NT	
1,2-Dichlorobenzene	95-50-1	µg/Kg	1,100	100,000	1,100	NT		NT	
1,2-Dichloroethane	107-06-2	µg/Kg	20	3100	20	NT		NT	
1,2-Dichloropropane	78-87-5	µg/Kg	NA	NA	NA	NT		NT	
1,3,5-Trimethylbenzene	108-67-8	µg/Kg	8,400	52,000	8,400	NT		NT	
1,3-Dichlorobenzene	541-73-1	µg/Kg	2,400	49,000	2,400	NT		NT	
1,3-Dichloropropane	142-28-9	µg/Kg	NA	NA	NA	NT		NT	
1,4-Dichlorobenzene	106-46-7	µg/Kg	1,800	13,000	1,800	NT		NT	
2,2-Dichloropropane	594-20-7	µg/Kg	NA	NA	NA	NT		NT	
2-Chlorotoluene	95-49-8	µg/Kg	NA	NA	NA	NT		NT	
2-Hexanone	591-78-6	µg/Kg	NA	NA	NA	NT		NT	
2-Isopropyltoluene	527-84-4	µg/Kg	NA	NA	NA	NT		NT	
4-Chlorotoluene	106-43-4	µg/Kg	NA	NA	NA	NT		NT	
Methyl Isobutyl Ketone	108-10-1	µg/Kg	NA	NA	NA	NT		NT	
Acetone	67-64-1	µg/Kg	50	100000	50	NT		NT	
Acrylonitrile	107-13-1	µg/Kg	NA	NA	NA	NT		NT	
Benzene	71-43-2	µg/Kg	60	4800	60	NT		NT	
Bromobenzene	108-86-1	µg/Kg	NA	NA	NA	NT		NT	
Bromochloromethane	74-97-5	µg/Kg	NA	NA	NA	NT		NT	
Bromodichloromethane	75-27-4	µg/Kg	NA	NA	NA	NT		NT	
Bromoform	75-25-2	µg/Kg	NA	NA	NA	NT		NT	
Bromomethane	74-83-9	µg/Kg	NA	NA	NA	NT		NT	
Carbon Disulfide	75-15-0	µg/Kg	NA	NA	NA	NT		NT	
Carbon Tetrachloride	56-23-5	µg/Kg	760	2400	760	NT		NT	
Chlorobenzene	108-90-7	µg/Kg	1,100	100,000	1,100	NT		NT	
Chloroethane	75-00-3	µg/Kg	NA	NA	1900	NT		NT	

**Table 4-1:** Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-20		EP-21	
	Sample Depth					2'		2'	
	Lab ID					CG19834		CG19835	
	Sample Date					6/23/2020		6/23/2020	
	CAS					Result	Qual	Result	Qual
Chloroform	67-66-3	µg/Kg	370	49000	370	NT		NT	
Chloromethane	74-87-3	µg/Kg	NA	NA	NA	NT		NT	
cis-1,2-Dichloroethene	156-59-2	µg/Kg	250	100000	250	NT		NT	
cis-1,3-Dichloropropene	10061-01-5	µg/Kg	NA	NA	NA	NT		NT	
Chlorodibromomethane	124-48-1	µg/Kg	NA	NA	NA	NT		NT	
Dibromomethane	74-95-3	µg/Kg	NA	NA	NA	NT		NT	
Dichlorodifluoromethane	75-71-8	µg/Kg	NA	NA	NA	NT		NT	
Ethylbenzene	100-41-4	µg/Kg	1,000	41,000	1,000	NT		NT	
Hexachlorobutadiene	87-68-3	µg/Kg	NA	NA	NA	NT		NT	
Isopropylbenzene	98-82-8	µg/Kg	NA	NA	NA	NT		NT	
m&p-Xylene	179601-23-1	µg/Kg	NA	NA	NA	NT		NT	
2-Butanone	78-93-3	µg/Kg	NA	100000	120	NT		NT	
Methyl Tert-Butyl Ether	1634-04-4	µg/Kg	930	100000	930	NT		NT	
Methylene Chloride	75-09-2	µg/Kg	50	100000	50	NT		NT	
Naphthalene	91-20-3	µg/Kg	12,000	100,000	12,000	NT		NT	
n-Butylbenzene	104-51-8	µg/Kg	12,000	100,000	12,000	NT		NT	
n-Propylbenzene	103-65-1	µg/Kg	3,900	100,000	3,900	NT		NT	
o-Xylene	95-47-6	µg/Kg	NA	NA	NA	NT		NT	
p-Isopropyltoluene	99-87-6	µg/Kg	NA	NA	NA	NT		NT	
sec-Butylbenzene	135-98-8	µg/Kg	11,000	100,000	11,000	NT		NT	
Styrene	100-42-5	µg/Kg	NA	NA	NA	NT		NT	
tert-Butylbenzene	98-06-6	µg/Kg	5,900	100,000	5,900	NT		NT	
Tetrachloroethene	127-18-4	µg/Kg	1,300	19,000	1,300	NT		NT	
Tetrahydrofuran	109-99-9	µg/Kg	NA	NA	NA	NT		NT	
Toluene	108-88-3	µg/Kg	700	100000	700	NT		NT	
Total Xylenes	1330-20-7	µg/Kg	260	100,000	1,600	NT		NT	
trans-1,2-Dichloroethene	156-60-5	µg/Kg	190	100000	190	NT		NT	
trans-1,3-Dichloropropene	10061-02-6	µg/Kg	NA	NA	NA	NT		NT	
trans-1,4-dichloro-2-butene	110-57-6	µg/Kg	NA	NA	NA	NT		NT	
Trichloroethene	79-01-6	µg/Kg	470	21000	470	NT		NT	
Trichlorofluoromethane	75-69-4	µg/Kg	NA	NA	NA	NT		NT	
Trichlorotrifluoroethane	76-13-1	µg/Kg	NA	NA	NA	NT		NT	
Vinyl Chloride	75-01-4	µg/Kg	20	900	20	NT		NT	

Notes:

ug/Kg: microgram per kilogram (ppb)

mg/Kg: miligram per kilogram (ppm)

U: Undetected J: Estimated S: Laboratory Solvent N: Spiked sample recovery not within control limits

NA: Unavailable NT: Not tested

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives

Method Detection Limit (MDL) above the UUSCO

Result rejected due to severe QC exceedance

**Table 4-1:** Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-20		EP-21	
	Sample Depth					2'		2'	
	Lab ID					CG19834		CG19835	
	Sample Date					6/23/2020		6/23/2020	
	CAS					Result	Qual	Result	Qual
<b>Polynuclear Aromatic HC By SW8270D</b>		µg/Kg							
2-Methylnaphthalene	91-57-6	µg/Kg	NA	NA	36400	< 370	U	< 340	U
Acenaphthene	83-32-9	µg/Kg	20,000	100,000	98,000	< 370	U	< 340	U
Acenaphthylene	208-96-8	µg/Kg	100,000	100,000	107,000	< 370	U	< 340	U
Anthracene	120-12-7	µg/Kg	100,000	100,000	1,000,000	170	J	< 340	U
Benzo-a-Anthracene	56-55-3	µg/Kg	1,000	1,000	1,000	530		210	J
Benzo-a-Pyrene	50-32-8	µg/Kg	1,000	1,000	22,000	660		230	J
Benzo-b-Fluoranthene	205-99-2	µg/Kg	1,000	1,000	1,700	660		220	J
Benzo-g,h,i-Perylene	191-24-2	µg/Kg	100,000	100,000	1,000,000	440		160	J
Benzo-k-Fluoranthene	207-08-9	µg/Kg	800	3900	1700	590		180	J
Chrysene	218-01-9	µg/Kg	1,000	3,900	1,000	610		210	J
Dibenzo-a,h-Anthracene	53-70-3	µg/Kg	330	330	1000000	120	J	< 340	U
Fluoranthene	206-44-0	µg/Kg	100,000	100,000	1,000,000	820		330	J
Fluorene	86-73-7	µg/Kg	30,000	100,000	386,000	< 370	U	< 340	U
Indeno(1,2,3-cd)Pyrene	193-39-5	µg/Kg	500	500	8200	420		150	J
Naphthalene	91-20-3	µg/Kg	12,000	100,000	12,000	< 370	U	< 340	U
Phenanthrene	85-01-8	µg/Kg	100,000	100,000	1,000,000	450		210	J
Pyrene	129-00-0	µg/Kg	100,000	100,000	1,000,000	700		280	J

Notes:

ug/Kg: microgram per kilogram (ppb)

mg/Kg: miligram per kilogram (ppm)

U: Undetected J: Estimated S: Laboratory Solvent N: Spiked sample recovery not within control limits

NA: Unavailable NT: Not tested

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives

Method Detection Limit (MDL) above the UUSCO

Result rejected due to severe QC exceedance

**Table 4-1:** Laboratory Analysis Results- Soil Endpoint Samples  
The Huguenot Site, New Rochelle, New York

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	EP-20		EP-21	
	Sample Depth					2'		2'	
	Lab ID					CG19834		CG19835	
	Sample Date					6/23/2020		6/23/2020	
	CAS					Result	Qual	Result	Qual
<b>PFAS</b>									
Perfluorobutanesulfonic acid (PFBS)	375-73-5	µg/Kg	NA	NA	NA	NT		NT	
Perfluorohexanoic acid (PFHxA)	307-24-4	µg/Kg	NA	NA	NA	NT		NT	
Perfluoroheptanoic acid (PFHpA)	375-85-9	µg/Kg	NA	NA	NA	NT		NT	
Perfluorobutanoic acid (PFBA)	375-22-4	µg/Kg	NA	NA	NA	NT		NT	
Perfluorodecanesulfonic acid (PFDS)	335-77-3	µg/Kg	NA	NA	NA	NT		NT	
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	µg/Kg	NA	NA	NA	NT		NT	
Perfluorooctanesulfonamide (FOSA)	754-91-6	µg/Kg	NA	NA	NA	NT		NT	
Perfluoropentanoic acid (PFPeA)	2706-90-3	µg/Kg	NA	NA	NA	NT		NT	
6:2 Fluorotelomersulfonate (6:2 FTS)	27619-97-2	µg/Kg	NA	NA	NA	NT		NT	
8:2 Fluorotelomersulfonate (8:2 FTS)	39108-34-4	µg/Kg	NA	NA	NA	NT		NT	
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	µg/Kg	NA	NA	NA	NT		NT	
Perfluorooctanoic acid (PFOA)	335-67-1	µg/Kg	0.66	33	1.1	NT		NT	
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	µg/Kg	0.88	44	3.7	NT		NT	
Perfluorononanoic acid (PFNA)	375-95-1	µg/Kg	NA	NA	NA	NT		NT	
Perfluorodecanoic acid (PFDA)	335-76-2	µg/Kg	NA	NA	NA	NT		NT	
NMeFOSAA	2355-31-9	µg/Kg	NA	NA	NA	NT		NT	
Perfluoroundecanoic acid (PFUnA)	2058-94-8	µg/Kg	NA	NA	NA	NT		NT	
NEtFOSAA	2991-50-6	µg/Kg	NA	NA	NA	NT		NT	
Perfluorododecanoic acid (PFDoA)	307-55-1	µg/Kg	NA	NA	NA	NT		NT	
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	µg/Kg	NA	NA	NA	NT		NT	
Perfluorotetradecanoic acid (PFTA)	376-06-7	µg/Kg	NA	NA	NA	NT		NT	

Notes:

ug/Kg: microgram per kilogram (ppb)

mg/Kg: miligram per kilogram (ppm)

U: Undetected J: Estimated S: Laboratory Solvent N: Spiked sample recovery not within control limits

NA: Unavailable NT: Not tested

Analyte detected

Detected at concentration above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives

Method Detection Limit (MDL) above the UUSCO

Result rejected due to severe QC exceedance

**Table 5-1: Backfill Quantities and Sources**  
The Huguenot Site, New Rochelle, New York

Source	Type of Material	Date	Time	Ticket No.	Net
Fishkill Quarry	3/4" Stone	8/21/2019	6:45AM	324409	21.76
Fishkill Quarry	3/4" Stone	8/30/2019	6:20AM	325336	25.27
Fishkill Quarry	3/4" Stone	8/30/2019	9:55AM	325380	24.85
Fishkill Quarry	3/4" Stone	9/19/2019	6:14AM	326656	24.33
Fishkill Quarry	3/4" Stone	9/20/2019	6:04AM	326677	24.72
Fishkill Quarry	3/4" Stone	9/20/2019	6:13AM	326690	24.73
Fishkill Quarry	3/4" Stone	9/20/2019	9:12AM	326699	25.51
Fishkill Quarry	3/4" Stone	9/23/2019	6:31AM	326798	24.46
Fishkill Quarry	3/4" Stone	9/23/2019	6:48AM	326811	25.52
Fishkill Quarry	3/4" Stone	2/13/2020	6:14 AM	333914	21.58
Fishkill Quarry	3/4" Stone	2/13/2020	6:32 AM	333916	24.36
Fishkill Quarry	3/4" Stone	2/13/2020	6:47 AM	333921	22.42
Fishkill Quarry	3/4" Stone	2/13/2020	6:35 AM	333917	24.39
Fishkill Quarry	3/4" Stone	2/13/2020	6:41 AM	333920	25.29
Fishkill Quarry	3/4" Stone	2/17/2020	6:25 AM	333994	22.93
Fishkill Quarry	3/4" Stone	2/17/2020	9:55 AM	333997	23.42
Fishkill Quarry	3/4" Stone	2/17/2020	9:52 AM	333996	24.05
Fishkill Quarry	3/4" Stone	2/17/2020	6:23 AM	333993	23.76
Fishkill Quarry	3/4" Stone	2/17/2020	1:12 PM	334002	23.99
Fishkill Quarry	3/4" Stone	2/17/2020	1:12 PM	334001	24.00
Fishkill Quarry	3/4" Stone	2/19/2020	11:30 AM	334098	23.99
Fishkill Quarry	3/4" Stone	2/19/2020	8:41 AM	334082	24.97
Fishkill Quarry	3/4" Stone	2/19/2020	6:14 AM	334062	24.56
Fishkill Quarry	3/4" Stone	2/20/2020	6:16 AM	334118	25.42
				Total Tonnage	580.28

**Table 6-1: Laboratory Analysis Results- Reuse Soil**  
318-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Unit	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	CB-1		CB-2		CB-3		CB-4		CB-5		CB-6	
	Sample Date				8/12/2019		8/12/2019		8/12/2019		8/12/2019		8/12/2019		8/12/2019	
	CAS				Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
<b>Volatiles By SW8260C</b>																
1,1,1,2-Tetrachloroethane	630-20-6	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,1,1-Trichloroethane	71-55-6	µg/Kg	680	100,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,1,2,2-Tetrachloroethane	79-34-5	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,1,2-Trichloroethane	79-00-5	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,1-Dichloroethane	75-34-3	µg/Kg	270	26,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,1-Dichloroethene	75-35-4	µg/Kg	330	100,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,1-Dichloropropene	563-58-6	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,2,3-Trichlorobenzene	87-61-6	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,2,3-Trichloropropane	96-18-4	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,2,4-Trichlorobenzene	120-82-1	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,2,4-Trimethylbenzene	95-63-6	µg/Kg	3,600	52,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,2-Dibromo-3-Chloropropane	96-12-8	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,2-Dibromoethane	106-93-4	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,2-Dichlorobenzene	95-50-1	µg/Kg	1,100	100,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,2-Dichloroethane	107-06-2	µg/Kg	20	3,100	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,2-Dichloropropane	78-87-5	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,3,5-Trimethylbenzene	108-67-8	µg/Kg	8,400	52,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,3-Dichlorobenzene	541-73-1	µg/Kg	2,400	49,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,3-Dichloropropane	142-28-9	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
1,4-Dichlorobenzene	106-46-7	µg/Kg	1,800	13,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
2,2-Dichloropropane	594-20-7	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
2-Chlorotoluene	95-49-8	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
2-Hexanone	591-78-6	µg/Kg	NA	NA	< 64	U	< 28	U	< 33	U	< 28	U	< 34	U	< 31	U
2-Isopropyltoluene	527-84-4	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
4-Chlorotoluene	106-43-4	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Methyl Isobutyl Ketone	108-10-1	µg/Kg	NA	NA	< 64	U	< 28	U	< 33	U	< 28	U	< 34	U	< 31	U
Acetone	67-64-1	µg/Kg	50	100,000	1,300	S	2,500	S	5,900	S	2,800	S	4,200	S	3,300	S
Acrylonitrile	107-13-1	µg/Kg	NA	NA	< 26	U	< 11	U	< 13	U	< 11	U	< 14	U	< 12	U
Benzene	71-43-2	µg/Kg	60	4,800	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Bromobenzene	108-86-1	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Bromochloromethane	74-97-5	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Bromodichloromethane	75-27-4	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Bromoform	75-25-2	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Bromomethane	74-83-9	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Carbon Disulfide	75-15-0	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Carbon Tetrachloride	56-23-5	µg/Kg	760	2,400	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Chlorobenzene	108-90-7	µg/Kg	1,100	100,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Chloroethane	75-00-3	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U

Notes:  
 µg/Kg: microgram per kilogram (ppb)      U: Undetected      NA: Unavailable      S: Laboratory Solvent  
 mg/Kg: miligram per kilogram (ppm)

Analyte detected

Common laboratory contaminants

Detected at concentration above 6 NYCRR Part 375 Unrestricted Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives



**Table 6-1: Laboratory Analysis Results- Reuse Soil**  
318-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Unit	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	CB-1		CB-2		CB-3		CB-4		CB-5		CB-6	
	Sample Date				8/12/2019		8/12/2019		8/12/2019		8/12/2019		8/12/2019		8/12/2019	
	CAS				Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Chloroform	67-66-3	µg/Kg	370	49,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Chloromethane	74-87-3	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
cis-1,2-Dichloroethene	156-59-2	µg/Kg	250	100,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
cis-1,3-Dichloropropene	10061-01-5	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Chlorodibromomethane	124-48-1	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Dibromomethane	74-95-3	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Dichlorodifluoromethane	75-71-8	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Ethylbenzene	100-41-4	µg/Kg	1,000	41,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Hexachlorobutadiene	87-68-3	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Isopropylbenzene	98-82-8	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
2-Butanone	78-93-3	µg/Kg	NA	100,000	< 64	U	< 28	U	< 33	U	< 28	U	< 34	U	< 31	U
Methyl Tert-Butyl Ether	1634-04-4	µg/Kg	930	100,000	< 26	U	< 11	U	< 13	U	< 11	U	< 14	U	< 12	U
Methylene Chloride	75-09-2	µg/Kg	50	100,000	< 26	U	< 11	U	< 13	U	< 11	U	< 14	U	< 12	U
Naphthalene	91-20-3	µg/Kg	12,000	100,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
n-Butylbenzene	104-51-8	µg/Kg	12,000	100,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
n-Propylbenzene	103-65-1	µg/Kg	3,900	100,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
o-Xylene	95-47-6	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
p-Isopropyltoluene	99-87-6	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
sec-Butylbenzene	135-98-8	µg/Kg	11,000	100,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Styrene	100-42-5	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
tert-Butylbenzene	98-06-6	µg/Kg	5,900	100,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Tetrachloroethene	127-18-4	µg/Kg	1,300	19,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Tetrahydrofuran	109-99-9	µg/Kg	NA	NA	78		36		66		35		47		41	
Toluene	108-88-3	µg/Kg	700	100,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Total Xylenes	1330-20-7	µg/Kg	260	100000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
trans-1,2-Dichloroethene	156-60-5	µg/Kg	190	100,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
trans-1,3-Dichloropropene	10061-02-6	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
trans-1,4-dichloro-2-butene	110-57-6	µg/Kg	NA	NA	< 26	U	< 11	U	< 13	U	< 11	U	< 14	U	< 12	U
Trichloroethene	79-01-6	µg/Kg	470	21,000	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Trichlorofluoromethane	75-69-4	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Trichlorotrifluoroethane	76-13-1	µg/Kg	NA	NA	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
Vinyl Chloride	75-01-4	µg/Kg	20	900	< 13	U	< 5.7	U	< 6.6	U	< 5.6	U	< 6.8	U	< 6.2	U
<b>1,4-dioxane By SW8260C</b>																
1,4-dioxane	123-91-1	µg/Kg	100	9,800	<100	U	<85	U	<99	U	<83	U	<100	U	<92	U

Notes:  
µg/Kg: microgram per kilogram (ppb)      U: Undetected      NA: Unavailable      S: Laboratory Solvent  
mg/Kg: miligram per kilogram (ppm)

Analyte detected

Common laboratory contaminants

Detected at concentration above 6 NYCRR Part 375 Unrestricted Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

**Table 6-1:** Laboratory Analysis Results- Reuse Soil  
318-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Unit	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	COMP-1		COMP-2	
	Sample Date				8/12/2019		8/12/2019	
	CAS				Result	Qual	Result	Qual
<b>Metals, Total</b>								
Aluminum, Al	7429-90-5	mg/Kg	NA	NA	17,800		18,700	
Antimony, Sb	7440-36-0	mg/Kg	NA	NA	< 3.2	U	< 3.6	U
Arsenic, As	7440-38-2	mg/Kg	13	16	< 0.64	U	< 0.71	U
Barium, Ba	7440-39-3	mg/Kg	350	400	199		200	
Beryllium, Be	7440-41-7	mg/Kg	7.2	72	0.39		0.49	
Cadmium, Cd	7440-43-9	mg/Kg	2.5	4.3	< 0.32	U	< 0.36	U
Calcium, Ca	7440-70-2	mg/Kg	NA	NA	1,370		1,700	
Chromium, Cr	7440-47-3	mg/Kg	30	180	38.9		46.1	
Cobalt, Co	7440-48-4	mg/Kg	NA	NA	17.2		18.4	
Copper, Cu	7440-50-8	mg/kg	50	270	33.9		33.8	
Iron, Fe	7439-89-6	mg/Kg	NA	NA	35,100		36,200	
Lead, Pb	7439-92-1	mg/Kg	63	400	2.8		5.08	
Magnesium, Mg	7439-95-4	mg/Kg	NA	NA	8,510		8,420	
Manganese, Mn	7439-96-5	mg/Kg	1,600	2,000	544		627	
Mercury, Hg	7439-97-6	mg/Kg	0.18	0.81	< 0.03	U	< 0.03	U
Nickel, Ni	7440-02-0	mg/Kg	30	310	33.6		39.1	
Potassium, K	9/7/7440	mg/Kg	NA	NA	10,700		10,300	
Selenium, Se	7782-49-2	mg/Kg	4	180	< 1.3	U	< 1.4	U
Silver, Ag	7440-22-4	mg/Kg	2	180	< 0.32	U	< 0.36	U
Sodium, Na	7440-23-5	mg/Kg	NA	NA	171		186	
Thallium, Tl	7440-28-0	mg/Kg	NA	NA	< 2.9	U	< 3.2	U
Vanadium, V	7440-62-2	mg/Kg	NA	NA	46.6		50.7	
Zinc, Zn	7440-66-6	mg/Kg	109	10,000	67.9		67.5	

Notes:

µg/Kg: microgram per kilogram (ppb)

U: Undetected

NA: Unavailable

mg/Kg: miligram per kilogram (ppm)

Analyte detected

Common laboratory contaminants

Detected at concentration above 6 NYCRR Part 375 Unrestricted Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

**Table 6-1:** Laboratory Analysis Results- Reuse Soil  
318-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Unit	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	COMP-1		COMP-2	
	Sample Date				8/12/2019		8/12/2019	
	CAS				Result	Qual	Result	Qual
<b>PCBs By SW8082A</b>								
Aroclor 1016	12674-11-2	µg/Kg	100	1,000	< 71	U	< 73	U
Aroclor 1221	11104-28-2	µg/Kg			< 71	U	< 73	U
Aroclor 1232	11141-16-5	µg/Kg			< 71	U	< 73	U
Aroclor 1242	53469-21-9	µg/Kg			< 71	U	< 73	U
Aroclor 1248	12672-29-6	µg/Kg			< 71	U	< 73	U
Aroclor 1254	11097-69-1	µg/Kg			< 71	U	< 73	U
Aroclor 1260	11096-82-5	µg/Kg			< 71	U	< 73	U
Aroclor 1262	37324-23-5	µg/Kg			< 71	U	< 73	U
Aroclor 1268	11100-14-4	µg/Kg			< 71	U	< 73	U

Notes:

µg/Kg: microgram per kilogram (ppb)

U: Undetected

NA: Unavailable

mg/Kg: miligram per kilogram (ppm)

Analyte detected

Common laboratory contaminants

Detected at concentration above 6 NYCRR Part 375 Unrestricted Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

**Table 6-1: Laboratory Analysis Results- Reuse Soil**  
318-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Unit	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	COMP-1		COMP-2	
	Sample Date				8/12/2019		8/12/2019	
	CAS				Result	Qual	Result	Qual
<b>Semivolatiles By SW8270D</b>								
1,2,4,5-Tetrachlorobenzene	95-94-3	µg/Kg	NA	NA	< 250	U	< 250	U
1,2,4-Trichlorobenzene	120-82-1	µg/Kg	NA	NA	< 250	U	< 250	U
1,2-Dichlorobenzene	95-50-1	µg/Kg	1,100	100,000	< 250	U	< 250	U
1,2- Diphenylhydrazine	122-66-7	µg/Kg	NA	NA	< 360	U	< 360	U
1,3-Dichlorobenzene	541-73-1	µg/Kg	2,400	49,000	< 250	U	< 250	U
1,4-Dichlorobenzene	106-46-7	µg/Kg	1,800	13,000	< 250	U	< 250	U
2,4,5-Trichlorophenol	95-95-4	µg/Kg	NA	NA	< 250	U	< 250	U
2,4,6-Trichlorophenol	88-06-2	µg/Kg	NA	NA	< 250	U	< 250	U
2,4-Dichlorophenol	120-83-2	µg/Kg	NA	NA	< 250	U	< 250	U
2,4-Dimethylphenol	105-67-9	µg/Kg	NA	NA	< 250	U	< 250	U
2,4-Dinitrophenol	51-28-5	µg/Kg	NA	NA	< 360	U	< 360	U
2,4-Dinitrotoluene	121-14-2	µg/Kg	NA	NA	< 250	U	< 250	U
2,6-Dinitrotoluene	606-20-2	µg/Kg	NA	NA	< 250	U	< 250	U
2-Chloronaphthalene	91-58-7	µg/Kg	NA	NA	< 250	U	< 250	U
2-Chlorophenol	95-57-8	µg/Kg	NA	NA	< 250	U	< 250	U
2-Methylnaphthalene	91-57-6	µg/Kg	NA	NA	< 250	U	< 250	U
2-Methylphenol	95-48-7	µg/Kg	330	100,000	< 250	U	< 250	U
2-Nitroaniline	88-74-4	µg/Kg	NA	NA	< 360	U	< 360	U
2-Nitrophenol	88-75-5	µg/Kg	NA	NA	< 250	U	< 250	U
3+4 Methylphenol	N/A	µg/Kg	NA	NA	< 360	U	< 360	U
3,3-Dichlorobenzidine	91-94-1	µg/Kg	NA	NA	< 250	U	< 250	U
3-Nitroaniline	99-09-2	µg/Kg	NA	NA	< 360	U	< 360	U
4,6-Dinitro-2-methylphenol	534-52-1	µg/Kg	NA	NA	< 360	U	< 360	U
4-Bromophenyl-phenyl ether	101-55-3	µg/Kg	NA	NA	< 360	U	< 360	U
4-Chloro-3-methylphenol	59-50-7	µg/Kg	NA	NA	< 250	U	< 250	U
4-Chloroaniline	106-47-8	µg/Kg	NA	NA	< 250	U	< 250	U
4-Chlorophenyl phenyl ether	7005-72-3	µg/Kg	NA	NA	< 250	U	< 250	U
4-Nitroaniline	100-01-6	µg/Kg	NA	NA	< 570	U	< 580	U
4-Nitrophenol	100-02-7	µg/Kg	NA	NA	< 250	U	< 250	U
Acenaphthene	83-32-9	µg/Kg	20,000	100,000	< 250	U	< 250	U
Acenaphthylene	208-96-8	µg/Kg	100,000	100,000	< 250	U	< 250	U
Acetophenone	98-86-2	µg/Kg	NA	NA	< 250	U	< 250	U
Aniline	62-53-3	µg/Kg	NA	100000	< 360	U	< 360	U
Anthracene	120-12-7	µg/Kg	100,000	100,000	< 250	U	< 250	U
Benzo-a-Anthracene	56-55-3	µg/Kg	1,000	1,000	< 250	U	< 250	U
Benzidine	92-87-5	µg/Kg	NA	NA	< 250	U	< 250	U
Benzo-a-Pyrene	50-32-8	µg/Kg	1,000	1,000	< 250	U	< 250	U
Benzo-b-Fluoranthene	205-99-2	µg/Kg	1,000	1,000	< 250	U	< 250	U

Notes:

µg/Kg: microgram per kilogram (ppb)

U: Undetected

NA: Unavailable

mg/Kg: miligram per kilogram (ppm)

Analyte detected

Common laboratory contaminants

Detected at concentration above 6 NYCRR Part 375 Unrestricted Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

**Table 6-1:** Laboratory Analysis Results- Reuse Soil  
318-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Unit	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	COMP-1		COMP-2	
	Sample Date				8/12/2019		8/12/2019	
	CAS				Result	Qual	Result	Qual
Benzo-g,h,i-Perylene	191-24-2	µg/Kg	100,000	100,000	< 250	U	< 250	U
Benzo-k-Fluoranthene	207-08-9	µg/Kg	800	3,900	< 250	U	< 250	U
Benzoic Acid	65-85-0	µg/Kg	NA	NA	< 710	U	< 720	U
Butylbenzylphthalate	85-68-7	µg/Kg	NA	NA	< 250	U	< 250	U
Bis(2-Chloroethoxy)methane	111-91-1	µg/Kg	NA	NA	< 250	U	< 250	U
Bis(2-Chloroethyl)ether	111-44-4	µg/Kg	NA	NA	< 360	U	< 360	U
Bis(2-Chloroisopropyl)ether	39638-32-9	µg/Kg	NA	NA	< 250	U	< 250	U
Bis(2-Ethylhexyl)Phthalate	117-81-7	µg/Kg	NA	NA	< 250	U	< 250	U
Carbazole	86-74-8	µg/Kg	NA	NA	< 360	U	< 360	U
Chrysene	218-01-9	µg/Kg	1,000	3,900	< 250	U	< 250	U
Dibenzo-a,h-Anthracene	53-70-3	µg/Kg	330	330	< 250	U	< 250	U
Dibenzofuran	132-64-9	µg/Kg	7,000	59,000	< 250	U	< 250	U
Diethyl Phthalate	84-66-2	µg/Kg	NA	NA	< 250	U	< 250	U
Dimethyl Phthalate	131-11-3	µg/Kg	NA	NA	< 250	U	< 250	U
Di-n-Butyl Phthalate	84-74-2	µg/Kg	NA	NA	< 360	U	< 360	U
Di-n-Octyl Phthalate	117-84-0	µg/Kg	NA	NA	< 250	U	< 250	U
Fluoranthene	206-44-0	µg/Kg	100,000	100,000	< 250	U	< 250	U
Fluorene	86-73-7	µg/Kg	30,000	100,000	< 250	U	< 250	U
Hexachlorobenzene	118-74-1	µg/Kg	330	1200	< 250	U	< 250	U
Hexachlorobutadiene	87-68-3	µg/Kg	NA	NA	< 250	U	< 250	U
Hexachlorocyclopentadiene	77-47-4	µg/Kg	NA	NA	< 250	U	< 250	U
Hexachloroethane	67-72-1	µg/Kg	NA	NA	< 250	U	< 250	U
Indeno(1,2,3-cd)Pyrene	193-39-5	µg/Kg	500	500	< 250	U	< 250	U
Isophorone	78-59-1	µg/Kg	NA	NA	< 250	U	< 250	U
Naphthalene	91-20-3	µg/Kg	12,000	100,000	< 250	U	< 250	U
Nitrobenzene	98-95-3	µg/Kg	NA	15000	< 250	U	< 250	U
N-Nitrosodimethylamine	62-75-9	µg/Kg	NA	NA	< 360	U	< 360	U
N-Nitroso-di-n-Propylamine	621-64-7	µg/Kg	NA	NA	< 250	U	< 250	U
N-Nitrosodiphenylamine	86-30-6	µg/Kg	NA	NA	< 360	U	< 360	U
Pentachloronitrobenzene	82-68-8	µg/Kg	NA	NA	< 360	U	< 360	U
Pentachlorophenol	87-86-5	µg/Kg	800b	6,700	< 360	U	< 360	U
Phenanthrene	85-01-8	µg/Kg	100,000	100,000	< 250	U	< 250	U
Phenol	108-95-2	µg/Kg	330	100,000	< 250	U	< 250	U
Pyrene	129-00-0	µg/Kg	100,000	100,000	< 250	U	< 250	U
Pyridine	110-86-1	µg/Kg	NA	NA	< 360	U	< 360	U

Notes:

µg/Kg: microgram per kilogram (ppb)

U: Undetected

NA: Unavailable

mg/Kg: miligram per kilogram (ppm)

Analyte detected

Common laboratory contaminants

Detected at concentration above 6 NYCRR Part 375 Unrestricted Soil Cleanup Objectives

Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

**Table 6-1:** Laboratory Analysis Results- Reuse Soil  
318-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Unit	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted- Residential	COMP-1		COMP-2	
	Sample Date				8/12/2019		8/12/2019	
	CAS				Result	Qual	Result	Qual
<b>Pesticides - Soil By SW8081B</b>								
4,4-DDD	72-54-8	µg/Kg	3	13,000	< 2.1	U	< 2.2	U
4,4-DDE	72-55-9	µg/Kg	3	8,900	< 2.1	U	< 2.2	U
4,4-DDT	50-29-3	µg/Kg	3	7,900	< 2.1	U	< 2.2	U
alpha-BHC	319-84-6	µg/Kg	20	480	< 7.1	U	< 7.3	U
Chlordane	5103-71-9	µg/Kg	94	4200	< 3.6	U	< 3.7	U
Aldrin	309-00-2	µg/Kg	5	97	< 3.6	U	< 3.7	U
beta-BHC	319-85-7	µg/Kg	36	360	< 7.1	U	< 7.3	U
Chlordane	57-74-9	µg/Kg	94	4200	< 36	U	< 37	U
delta-BHC	319-86-8	µg/Kg	40	100,000	< 7.1	U	< 7.3	U
Dieldrin	60-57-1	µg/Kg	5	200	< 3.6	U	< 3.7	U
Endosulfan I	959-98-8	µg/Kg	2,400	24,000	< 7.1	U	< 7.3	U
Endosulfan II	33213-65-9	µg/Kg	2,400	24,000	< 7.1	U	< 7.3	U
Endosulfan Sulfate	1031-07-8	µg/Kg	2,400	24,000	< 7.1	U	< 7.3	U
Endrin	72-20-8	µg/Kg	14	11,000	< 7.1	U	< 7.3	U
Endrin Aldehyde	7421-93-4	µg/Kg	NA	NA	< 7.1	U	< 7.3	U
Endrin Ketone	53494-70-5	µg/Kg	NA	NA	< 7.1	U	< 7.3	U
gamma-BHC	58-89-9	µg/Kg	100	1300	< 1.4	U	< 1.5	U
gamma-chlordane	5103-74-2	µg/Kg	NA	NA	< 3.6	U	< 3.7	U
Heptachlor	76-44-8	µg/Kg	42	2100	< 7.1	U	< 7.3	U
Heptachlor Epoxide	1024-57-3	µg/Kg	NA	NA	< 7.1	U	< 7.3	U
Methoxychlor	72-43-5	µg/Kg	NA	NA	< 36	U	< 37	U
Toxaphene	8001-35-2	µg/Kg	NA	NA	< 140	U	< 150	U

**Table 6-1:** Laboratory Analysis Results- Reuse Soil  
318-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Unit	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of GW	COMP-1		COMP-2	
	Sample Date				8/12/2019		8/12/2019	
	CAS				Result	Qual	Result	Qual
<b>PFAS</b>								
Perfluorobutanoic acid (PFBA)		µg/Kg	NA	NA	<0.94	U	<0.98	U
Perfluorobutanesulfonic acid (PFBS)		µg/Kg	NA	NA	<0.94	U	<0.98	U
Perfluoropentanoic acid (PFPeA)		µg/Kg	NA	NA	<0.94	U	<0.98	U
Perfluorohexanoic acid (PFHxA)		µg/Kg	NA	NA	<0.94	U	<0.98	U
Perfluorohexanesulfonic acid (PFHxS)		µg/Kg	NA	NA	<0.94	U	<0.98	U
Perfluoroheptanoic acid (PFHpA)		µg/Kg	NA	NA	<0.94	U	<0.98	U
Perfluoroheptanesulfonic acid (PFHpS)		µg/Kg	NA	NA	<0.94	U	<0.98	U
Perfluorooctanoic acid (PFOA)		µg/Kg	33	1.1	<0.94	U	<0.98	U
Perfluorooctanesulfonic acid (PFOS)		µg/Kg	44	3.7	<0.94	U	<0.98	U
Perfluorooctanesulfonamide (FOSA)		µg/Kg	NA	NA	<0.94	U	<0.98	U
6:2 Fluorotelomersulfonate (6:2 FTS A)		µg/Kg	NA	NA	<1.1	U	<1.2	U
Perfluorononanoic acid (PFNA)		µg/Kg	NA	NA	<0.94	U	<0.98	U
Perfluorodecanoic acid (PFDA)		µg/Kg	NA	NA	<0.94	U	<0.98	U
Perfluorodecanesulfonic acid (PFDS)		µg/Kg	NA	NA	<0.94	U	<0.98	U
N-EtFOSAA		µg/Kg	NA	NA	<0.94	U	<0.98	U
8:2 Fluorotelomersulfonate (8:2 FTS A)		µg/Kg	NA	NA	<0.94	U	<0.98	U
Perfluoroundecanoic acid (PFUnA)		µg/Kg	NA	NA	<0.94	U	<0.98	U
N-MeFOSAA		µg/Kg	NA	NA	<0.94	U	<0.98	U
Perfluorododecanoic acid (PFDoA)		µg/Kg	NA	NA	<0.94	U	<0.98	U
Perfluorotridecanoic acid (PFTrDA)		µg/Kg	NA	NA	<0.94	U	<0.98	U
Perfluorotetradecanoic acid (PFTA)		µg/Kg	NA	NA	<0.94	U	<0.98	U

Notes:

µg/Kg: microgram per kilogram (ppb)

U: Undetected

NA: Unavailable

mg/Kg: miligram per kilogram (ppm)

Analyte detected

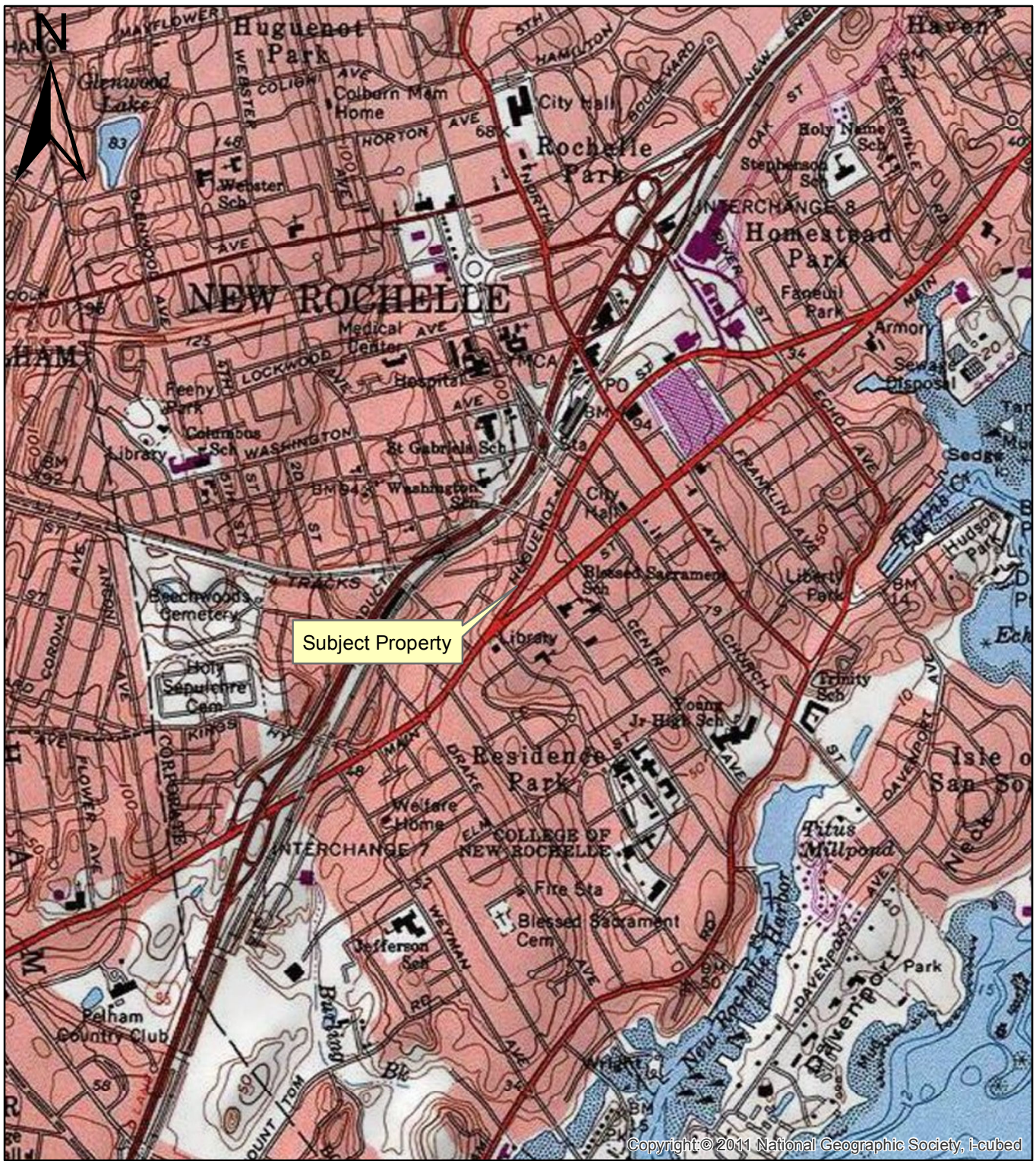
Common laboratory contaminants

Detected at concentration above 6 NYCRR Part 375 Protection of Groundwater

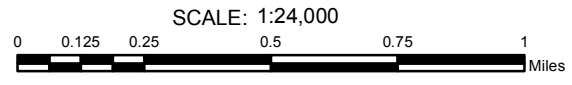
Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives

## Figures





USGS 7.5 Minute Quadrangle Topographic Map (2011)

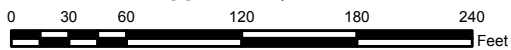


TITLE	SITE LOCATION MAP		Figure No.
			01
PROJECT	381-393 Huguenot Street New Rochelle, New York		Project No.
			2015-188
	DESIGN	WF	1-18-2016
	CHECK		
	REVIEW		

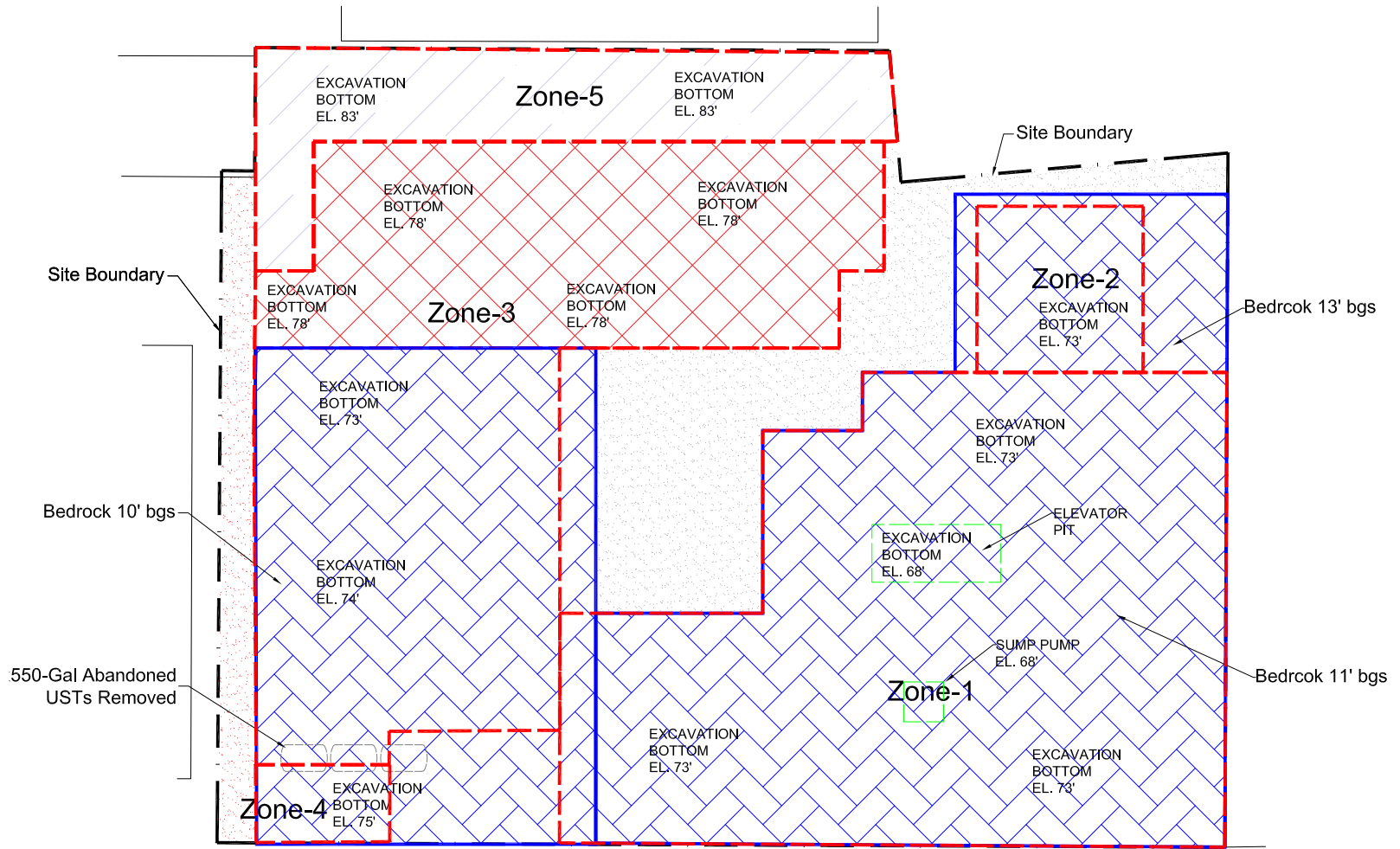











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TITLE		SITE BASE MAP		Figure No.
				02
PROJECT		381-393 Huguenot Street New Rochelle, New York		Project No.
				2015-188
	DESIGN	WF	1-19-2017	
	CHECK			
	REVIEW			



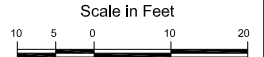
**Legend**

-  Site Boundary
-  Planned Excavation per RWP
-  Area Excavated to EL. 78 feet
-  Area Excavated to EL. 83 feet
-  Areas Excavated Down to Bedrock
-  Shallow Excavation for Pavement
-  Structure Boundaries

Huguenot Street



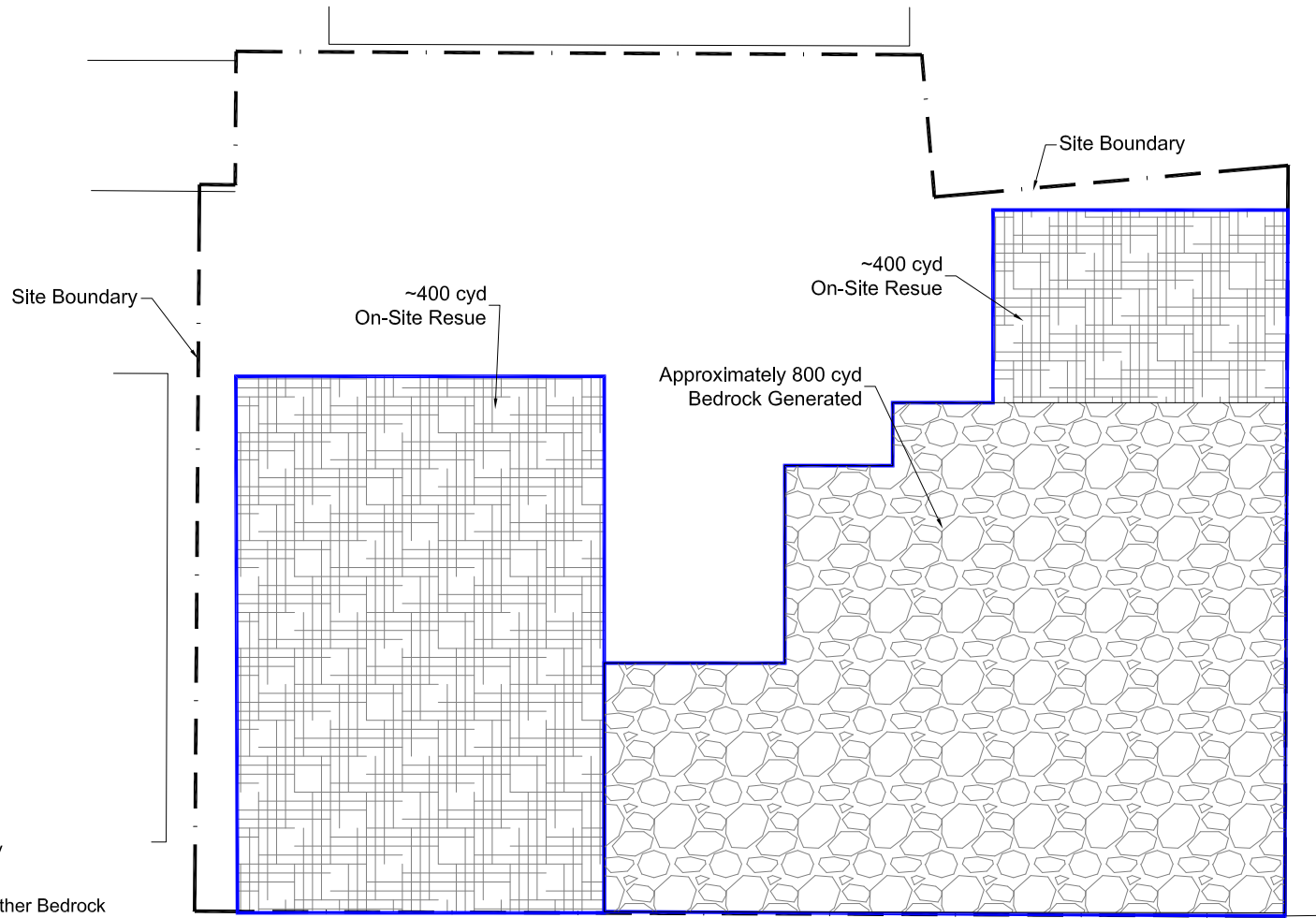
Note:  
See Section 4.3 of the Final Engineering Report for site excavation details.



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DRAWN BY: WF		REVISED BY:		BCP Site No. C360157	
CHECKED BY: SZ		REVISED DATE: 12-03-2021		FIGURE No. 03	
DATE: 9-26-2019		APPROVED BY:			
SCALE: 1" = 25'		FILE NAME:			

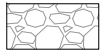




**Legend**



Site Boundary



Areas of Weather Bedrock Excavated for On-Site Reuse



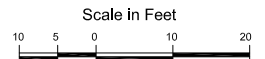
Destinations of On-Site Reuse

Huguenot Street

**Note:**

As part of the Site construction activities, excessive weathered bedrock material was excavated from the bottom of the cellar area (Zone-1). The weathered bedrock was segregated, stored and tested following the RWP.

Approximately 800 cubic yards of weathered bedrock was reused on the site. Said material was utilized to backfill the over-excavated areas (Zone-2 and Zone-4).

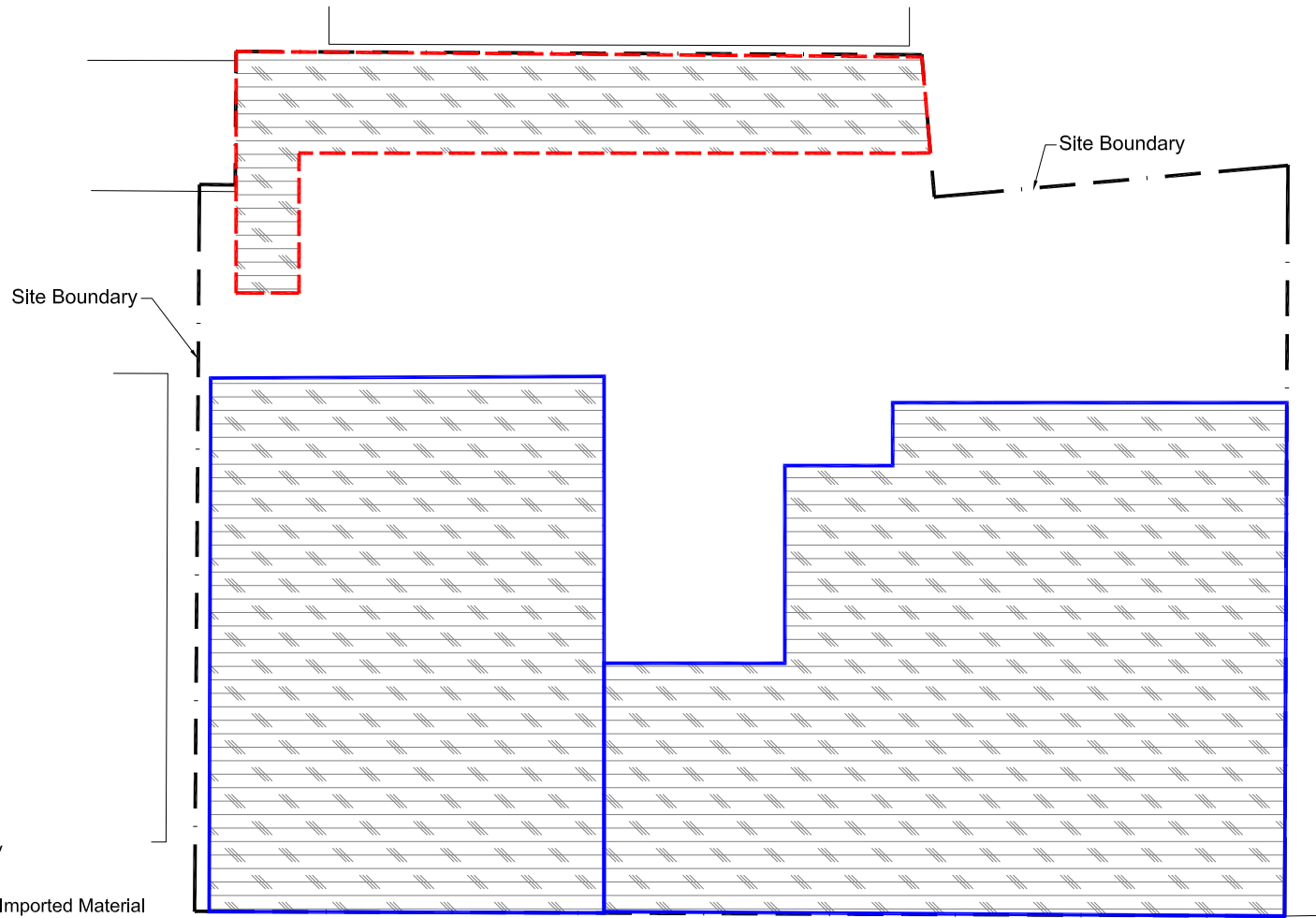


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<b>TITLE:</b>			
Reused Material, Quantities and Destinations			
381-393 Huguenot Street, New Rochelle, New York			
<b>DRAWN BY:</b>	WF	<b>REVISED BY:</b>	
<b>CHECKED BY:</b>	SZ	<b>REVISED DATE:</b>	
<b>DATE:</b>	12-9-2021	<b>APPROVED BY:</b>	
<b>SCALE:</b>	1" = 25'	<b>FILE NAME:</b>	
		<b>BCP Site No.</b>	C360157
		<b>FIGURE No.</b>	04







**Legend**



Site Boundary



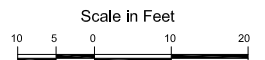
Placement of Imported Material

Huguenot Street

**Note:**

From August 21, 2019 to February 20, 2020, 580.28 tons of clean 3/4-inch crushed native granite was imported from Thalle Industries Inc. Fishkill Quarry (172 U.S. 9, Fishkill, NY 12524. NYSDOT Source No. 8-45R).

All imported material came from the NYSDEC approved facility with full documentation. All imported material was inspected upon delivery to ensure the qualities were in compliance.



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<b>TITLE:</b>			
Backfill Placement Locations			
381-393 Huguenot Street, New Rochelle, New York			
<b>DRAWN BY:</b>	WF	<b>REVISED BY:</b>	
<b>CHECKED BY:</b>	SZ	<b>REVISED DATE:</b>	
<b>DATE:</b>	9-26-2019	<b>APPROVED BY:</b>	
<b>SCALE:</b>	1" = 25'	<b>FILE NAME:</b>	
			<b>BCP Site No.</b> C360157
			<b>FIGURE No.</b> 05





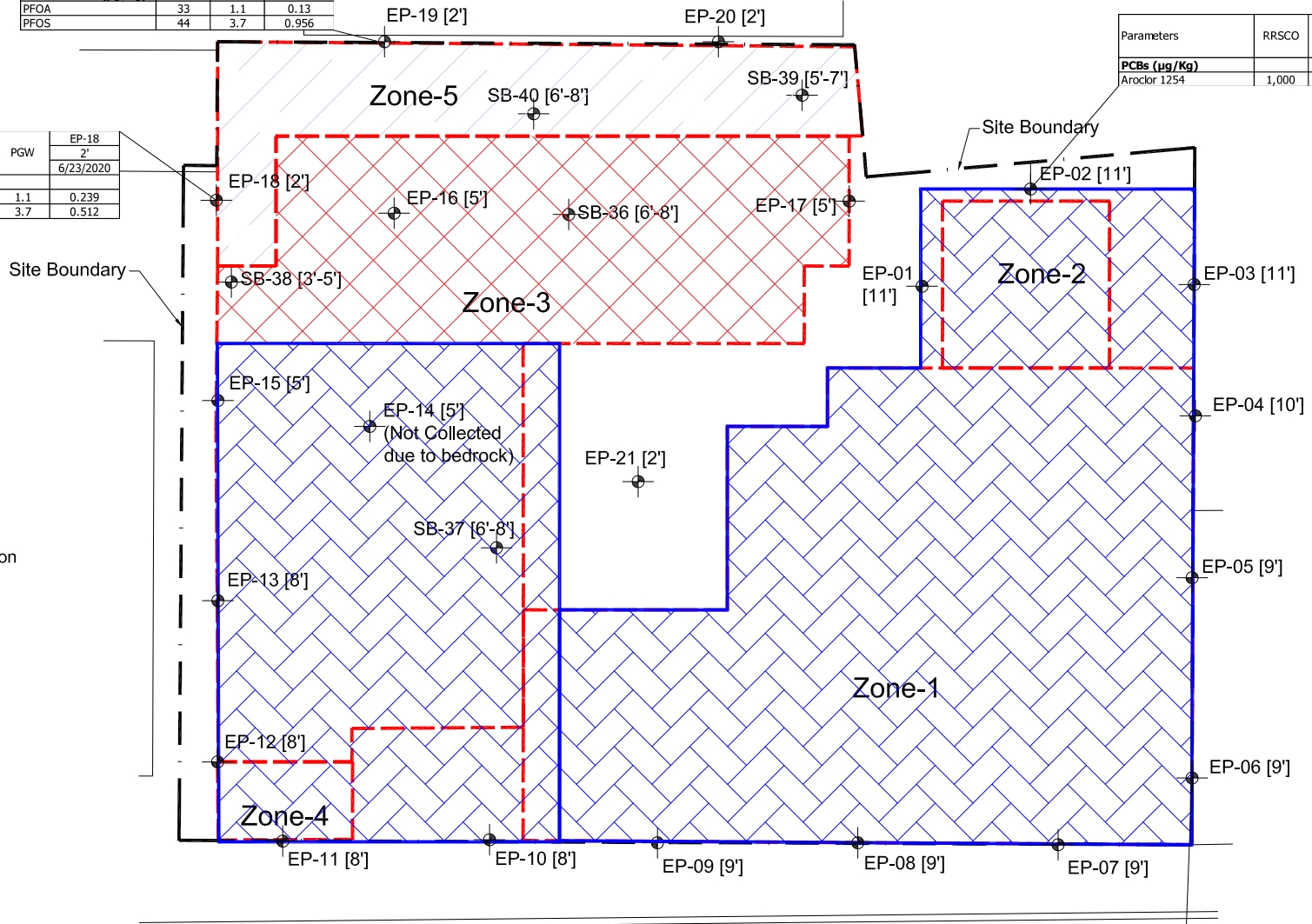
Parameters	RRSCO	PGW	EP-19
			2'
<b>PFOA &amp; PFOS (µg/Kg)</b>			
PFOA	33	1.1	0.13
PFOS	44	3.7	0.956

Parameters	RRSCO	PGW	EP-2
			11'
<b>PCBs (µg/Kg)</b>			
Aroclor 1254	1,000	3,200	1,200

Parameters	RRSCO	PGW	EP-18
			2'
<b>PFOA &amp; PFOS (µg/Kg)</b>			
PFOA	33	1.1	0.239
PFOS	44	3.7	0.512

**Legend**

- Site Boundary
- Planned Excavation per RWP
- Area Excavated to 5 feet bgs
- Area Excavated to 2 feet bgs
- Areas Excavated Down to Bedrock



**Note:**

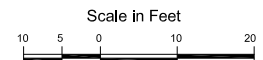
Due to the presence of an existing neighboring building along the western border of the Subject Property, excavation in Zone-2 could not be extended all the way to the northwestern border. As evidence by the endpoint sample EP-2 [11'], there is residual PCB contamination exceeding RRSCO at this area.

Excavation in Zone-1 was performed to the northern Site boundary. As evidence by the endpoint EP-6 [9'], there is residual SVOC contamination exceeding RRSCO at this area.

Since contaminated soil 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.

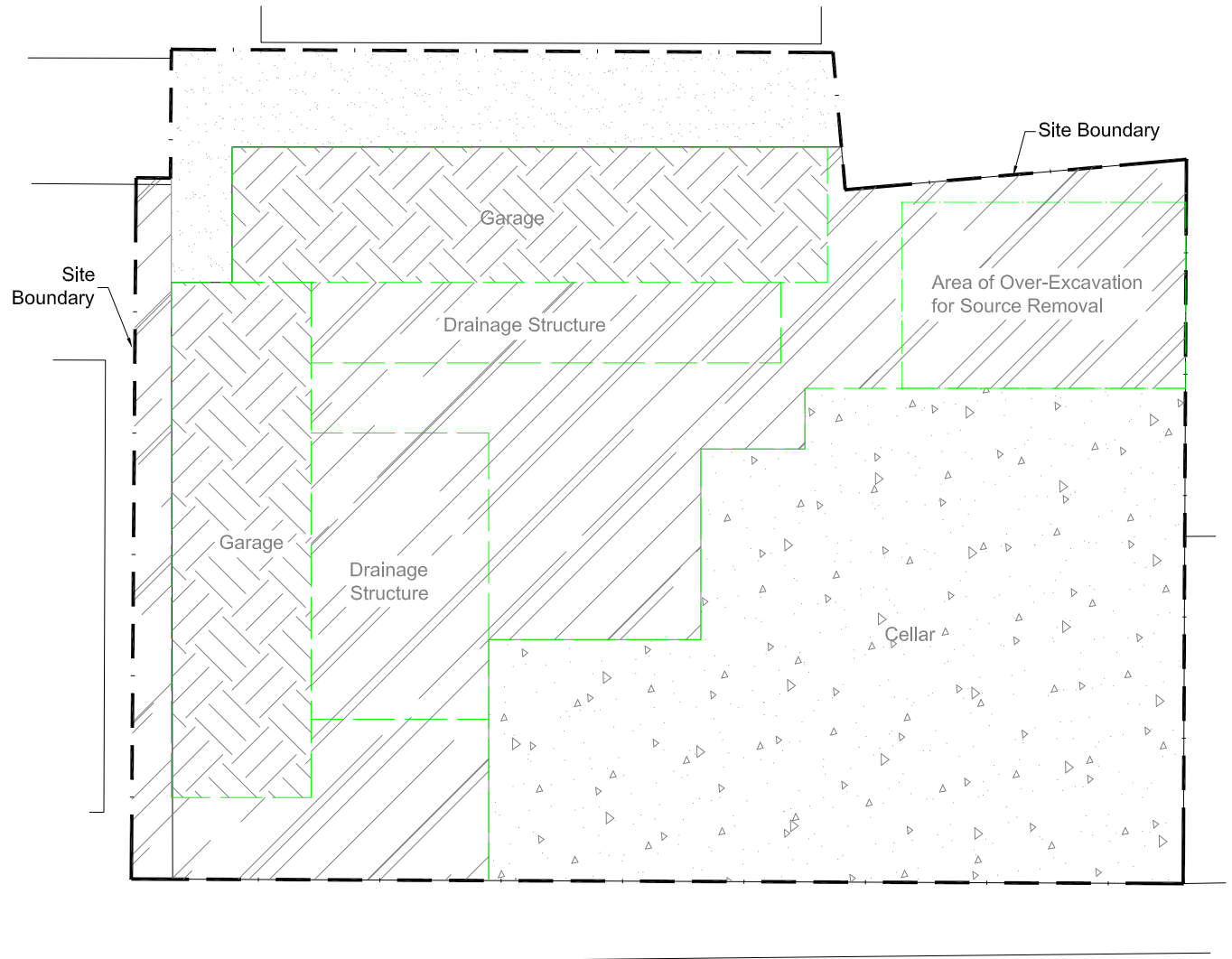


Parameters	RRSCO	PGW	EP-6
			9'
<b>PAHs (µg/Kg)</b>			
Benzo-a-Anthracene	1,000	1,000	1,700
Benzo-a-Pyrene	1,000	22,000	1,900
Benzo-b-Fluoranthene	1,000	1,700	1,500
Indeno(1,2,3-cd)Pyrene	500	8,200	1,400





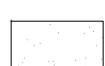


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<p><b>TITLE: Remaining Contamination</b></p> <p>381-393 Huguenot Street, New Rochelle, New York</p>			
DRAWN BY: WF	REVISED BY:	BCP Site No. C360157	
CHECKED BY: SZ	REVISED DATE:	FIGURE No. 06	
DATE: 12-9-2021	APPROVED BY:		
SCALE: 1" = 25'	FILE NAME:		

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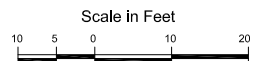



**Legend**

-  Site Boundary
-  3' Mat Slab Under Cellar
-  Concrete Building Slab
-  Asphalt Pavement
-  2-foot Imported Stone

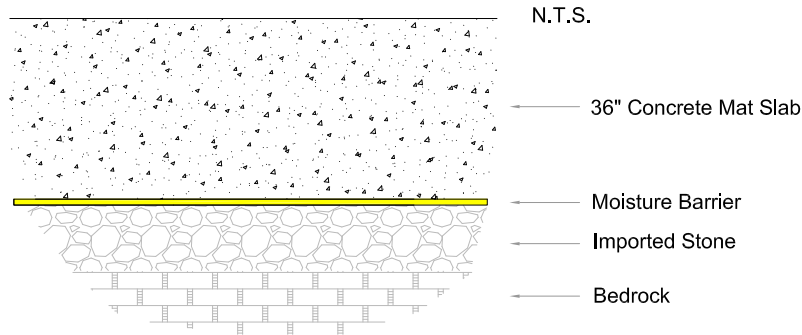
Huguenot Street

**Note:**  
 Exposure to remaining contamination in soil/fill at the site is prevented by a comprehensive cover system placed over the site. This cover system is comprised of a minimum of 24 inches of imported stone, asphalt pavement, concrete-covered sidewalks, and concrete building slabs.

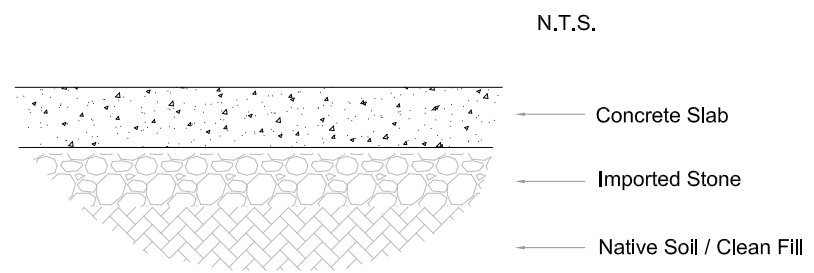


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<b>DRAWN BY:</b>	WF	<b>REVISED BY:</b>					
<b>CHECKED BY:</b>	SZ	<b>REVISED DATE:</b>	12-03-2021				
<b>DATE:</b>	9-26-2020	<b>APPROVED BY:</b>					
<b>SCALE:</b>	1" = 25'	<b>FILE NAME:</b>					

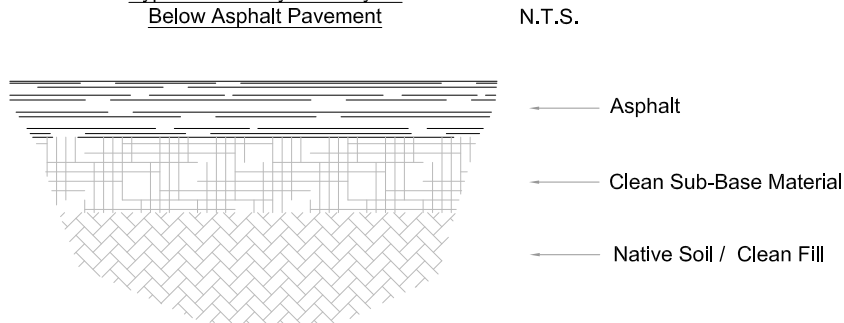
Typical Cover System Layout  
Below Basement Slab



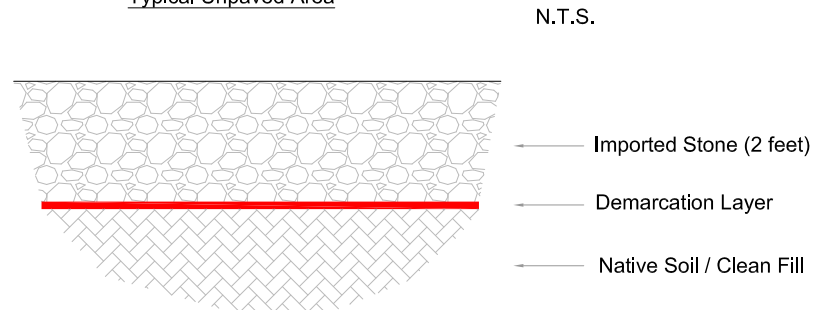
Typical Cover System Layout  
Below Concrete Slab



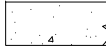
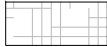
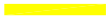




Typical Cover System Layout  
Below Asphalt Pavement



Typical Unpaved Area



Legend

-  Concrete
-  Sub-Base Material
-  Moisture Barrier
-  Imported Stone
-  Bedrock
-  Demarcation Layer
-  Native Soil

Note:  
Exposure to remaining contamination in soil/fill at the site is prevented by a comprehensive cover system placed over the site. This cover system is comprised of a minimum of 24 inches of imported stone, asphalt pavement, concrete-covered sidewalks, and concrete building slabs.

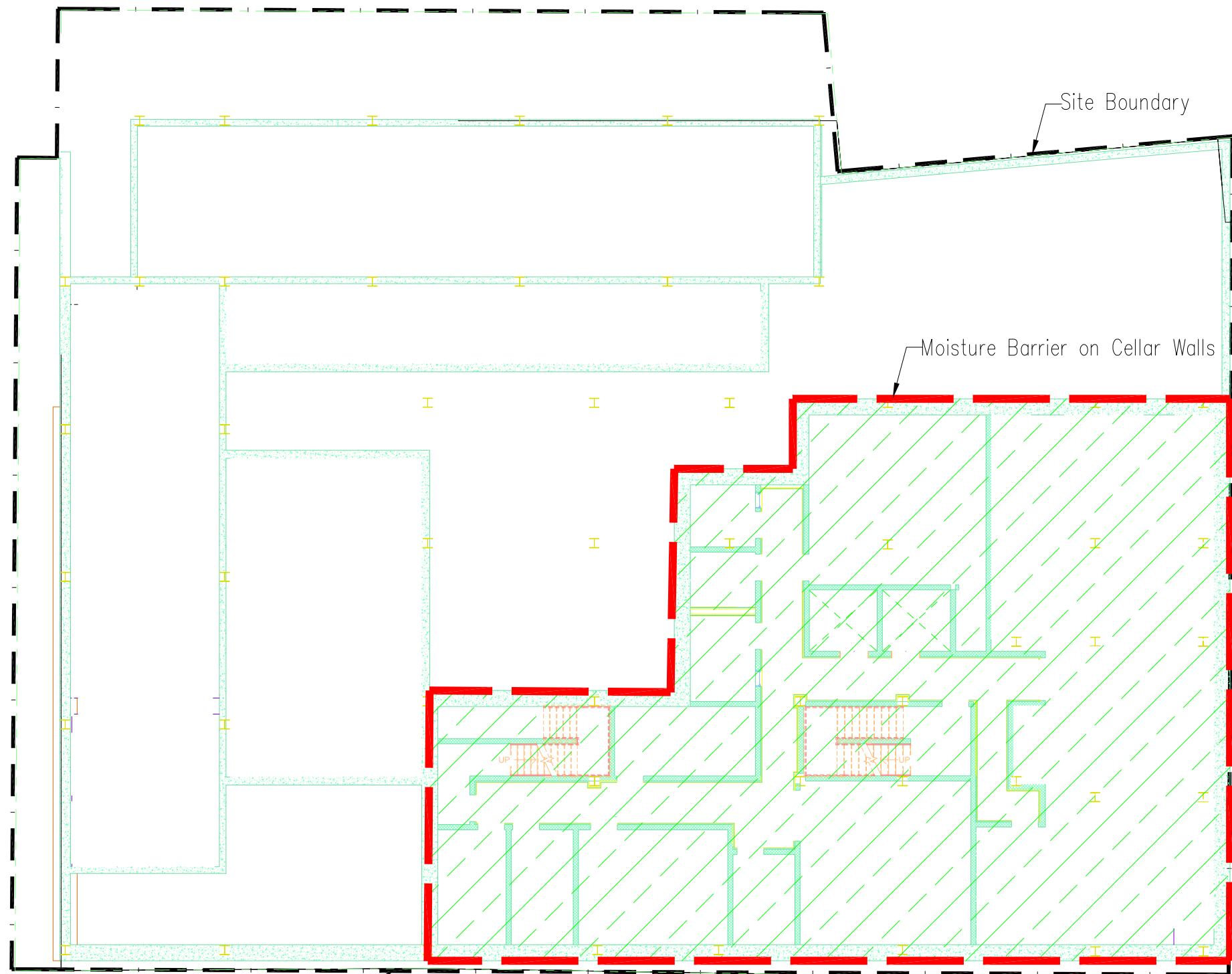


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TITLE: Typical Cover Details for All Cover Types			
381-393 Huguenot Street, New Rochelle, New York			
DRAWN BY:	WF	REVISED BY:	
CHECKED BY:	SZ	REVISED DATE:	12-09-2021
DATE:	9-26-2020	APPROVED BY:	
SCALE:	1" = 25'	FILE NAME:	
		BCP Site No. C360157	
		FIGURE No. 8	







Site Boundary

Site Boundary



Moisture Barrier on Cellar Walls



**MOISTURE BARRIER CONSTRUCTION NOTES:**

GCP Preprufe 300R Plus was installed per manufacturer's detailed installation instruction by DRI-TEC. Refer to Appendix of the FER for more details.

**Legend**

-  Site Boundary
-  Moisture Barrier System

Note:  
Base on building plan dated 4/28/2017 provided  
by DOBAN Architecture

TITLE:		Moisture Barrier System		
381-393 Huguenot Street, New Rochelle, New York				
DRAWN BY:	WF	REVISED BY:		PROJECT No.
CHECKED BY:	JC	REVISED DATE:	12-03-2021	2015-188
DATE:	6-20-2018	APPROVED BY:		FIGURE No.
SCALE:	1/16"=1'	FILE NAME:		9
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