BCP Site No. C360157
CE PO: 2015-188

Remedial Investigation Report

January 16, 2019

Version 1 Submitted on 7/2/2018
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Subject Property:

The Huguenot Site
BCP Site No. C360157
381-393 Huguenot Street
New Rochelle, NY
Westchester County Tax Map Designation: Section 2; Block 239; Lot 3, 4, 5 & 7
NYSDEC BCP Site No. C360157

Prepared for:

381-383 Huguenot LLC

New York State Department of Environmental Conservation

6268 Jericho Turnpike, Suite 12
Commack, NY 11725
T: (631)616-4000
F: (631)980-7972
www.ciderenvironmental.com

CERTIFICATION

Client:	381-383 Huguenot LLC
Project:	Remedial Investigation Report
Location:	The Huguenot Site, New Rochelle, New York
	NYSDEC BCP No. C360157

Cider Key Personnel

Title	Name	Telephone
Project Manager	James Cressy	(631) 365-6118
Sr. Consultant	Wenqing Fang	(631) 790-3338

I, Wenqing Fang, certify that I am currently a NYS registered professional engineer as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10, May 2010) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Wenqing Fang, P.E.

P.E. License No.: 095477

Registration State: New York

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LIST OF ACRONYMS

Acronym	Definition
AMSL	Above Mean Sea Level
AOC	Area of Concern
AWQS	Ambient Water Quality Standard
BGS	Below ground surface
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
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

1 EXECUTIVE SUMMARY

Cider Environmental (CE), on behalf of 381-383 Huguenot LLC (the "Applicant"), has completed this Remedial Investigation Report (RIR) for the property located at 381-393 Huguenot Street, New Rochelle, Westchester County, New York (the "Site" or the "Subject Property"). BCP Site No. C360157.

This RIR presents historic and recent RI findings and to evaluate environmental conditions across the Site in accordance with the NYSDEC Brownfield Cleanup Program (BCP) requirements. The RI was completed in accordance to:

- C360157 Remedial Investigation Work Plan, dated 4/16/2018, by CE (approved by the NYSDEC)
- C360157 Health and Safety Plan, dated 4/16/2018, by CE (approved by the NYSDEC)
- C360157 Community Air Monitoring Program, dated 4/16/2018, by CE (approved by the NYSDEC)
- C360157 Citizen Participation Plan, dated March 2018, by CE (approved by the NYSDEC)

Site Description

The Site is located at 381-393 Huguenot Street, in an urban area in New Rochelle, New York. The Site is bound to the north by a vacant store (first floor) with residential above; to the south by a three-story residential apartment building and a one-story residential building; to the east by Huguenot Street and beyond by a Gulf labeled gasoline filling station; and to the west by an office building/warehouse.

The Subject Property consists of four (4) irregular shaped parcels totaling approximately 0.39 acres. The property currently maintains two structures. Lot 7 currently maintains an irregular shaped one-story building (with partial basement), with an approximate footprint of 3,400-square feet. This building is currently utilized for office and storage space associated with a U-Haul business, a real-estate firm, and a janitorial supply business. Lot 5 is currently vacant, utilized for vehicle parking. The first floor of the building maintained on Lots 3A and 4 house a church ministry, with the second floors occupied by one residential unit in each. The basement on Lot 4 is occupied by a hydraulic repair business.

Previously Identified Issues

Lot 3A & 4 (381 & 383 Huguenot Street) has been utilized for cleaning services from 1931 to 1951. The 1931 Sanborn Map depicted a "dry cleaning" service on this lot, in the parking lot area (building since demolished). The laboratory analysis on soil gas samples did detect PCE and its daughter products (TCE, cis-1,2-DCE and VC). In addition, TCE, a potential daughter product of PCE, was detected in groundwater sample GW-4 (6.5 µg/L), collected south of this Lot. This area has also maintained fuel oil USTs. A remote sensing survey was performed at this area. No abandoned USTs were identified. Elevated PID readings (maximum 346 ppm) and strong petroleum odors were noted during soil sampling. The soil gas

samples from this area detected fuel oil related VOCs. The groundwater sample from this area (GW-2) detected elevated levels of petroleum product related SVOCs (>13 ppm in total SVOCs) exceeding the AWQS. PCBs were detected in one soil sample (SB-2B [5'-7']) exceeding the RRSCO. The source and origin of the PCB contamination is unknown. Lead and SVOCs were detected in one shallow soil sample (SB-20 [0'-2']) exceeding the RRSCO.

Lot 5 is utilized for the parking of rental vehicles associated with the U-Haul business. This portion has exposed soil and no pavement. Lead (maximum 4,330 mg/Kg), mercury (maximum 1.26 mg/Kg) and SVOCs were detected in shallow soil samples at multiple locations at levels exceeding the RRSCO.

Lot 7 (393 Huguenot Street) has historically maintained a gasoline filling station and car wash from 1931 to 1951, and has been utilized as a warehouse since the 1990s. Elevated PID readings (>1,000 ppm) and strong petroleum odors were noted during soil sampling activities. Lead was detected in one of the soil samples (SB-19 [0'-2']) exceeding the RRSCO. The groundwater samples at this area (GW-5) detected elevated levels of gasoline related VOCs (>0.500 ppm in total VOCs) exceeding the AWQS. TCE was detected in groundwater sample GW-4 (6.3 µg/L) exceeding the AWQS.

Physical Characteristics of the Site

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 is covered by asphalt paved driveways and parking lots. The central portion of the Site is 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 ft and 6 ft in thickness.

Below the fill, starting at depths between approximately 4 ft and 6 ft 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 ft and 20 ft 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 ft and 24 ft below grade.

Groundwater monitoring wells were installed throughout the Site. The recorded water levels are between 6.11 (MW-3) and 8.38 (MW-8) below grade. The flow rates of the wells are extremely low. Most of the wells runs dry when purging rate is >500 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 2/15/2017 and 5/8/2018), the groundwater flow direction on the site is to the northwest. The hydraulic gradience is between 0.039 to 0.069 ft/ft.

Remedial Investigation Findings

GPR

During the GPR survey, a fill port, suspected to be associated with a fuel oil UST, was found in the front of Building 393 Huguenot St. A metallic anomaly was detected near the fill port. GPR transects over this area display inconclusive data. It is possible that the former fuel oil UST was backfilled. This area will be excavated, with any tank(s) properly removed, during the upcoming site redevelopment.

Soil Sampling

The RI soil sampling followed the approved RIWP and CPP. There is no significant deviation from the approved RIWP. During this RI, a total of twenty-six (26) soil samples and two (2) QA/QC samples were collected for laboratory analysis.

The field observation and laboratory analysis results of the soil samples from this RI are consistent with the previous investigation.

Exceedances of lead (maximum 1,560 mg/Kg), cadmium (maximum 4.79 mg/Kg) and several SVCOs (including benzo-a-anthracene maximum 3,700 µg/Kg, benzo-a-pyrene maximum 4,300 µg/Kg, benzo-b-fluoranthene maximum 4,500 µg/Kg, chrysene maximum 4,000 µg/Kg, dibenzo-a,h-anthracene maximum 510 µg/Kg, and indeno (1,2,3-cd) pyrene maximum 4,000 µg/Kg) over RRSCO were detected in multiple shallow soil samples within the urban fill layer. The deeper soil samples generally met RRSCO and, except for nickel and chromium, met UUSCO. 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.

Based on the results of this RI, it is anticipated that upon completion of the proposed site excavation for new building construction (and remedial excavation of the "hot spots"), the end point soil samples from the excavated areas can meet the RRSCO and the UUSCO, except for nickel and chromium, which appears to have a higher regional background level.

Groundwater Sampling

The monitoring well installation and groundwater sampling followed the approved RIWP. There is no significant deviation from the approved RIWP. The flow rates of the wells are extremely low. Most of the wells ran dry when purging rate was >500 ml/min.

During this RI, a total of eight (8) groundwater samples and three (3) QA/QC samples were collected for laboratory analysis.

Petroleum odor was observed with groundwater samples from MW-1, MW-2 and MW-4.

Exceedances of several inorganic compounds (aluminum, iron, magnesium, manganese and sodium) over the AWQS were detected in both on-site and off-site wells (including upgradient and side-gradient wells). This is due to elevated regional background levels, and not from impacts from the Site.

Selenium was detected in MW-5 (side-gradient) at 0.012 mg/L marginally above the AWQS. PCB was detected in MW-8 (up-gradient) at 0.094 µg/L marginally above the AWQS. 1,3-Dichlorobenzene was detected in both the on-site and up-gradient wells (maximum 6.8 µg/L) marginally exceeding the AWQS. Isopropylbenzene was detected in MW-4 at 17 µg/L marginally above the AWQS. Phenol was detected in MW-8 (up-gradient) at 1.4 µg/L marginally above the AWQS. Naphthalene was detected in MW-1 at 16 µg/L marginally above the AWQS.

PFAS compounds were detected in all groundwater samples, both on- and off-site; however, total PFOA+PFOS concentrations were found in three (3) on-site monitoring wells exceeding the USEPA Health Advisory Levels of 70 parts per trillion (ppt). The highest total PFOA+PFOS levels were found in MWs-4 and 5, both located on-site adjacent to the former car wash, at concentrations of 102 and 184 ppt, respectively. Total PFOA+PFOS levels in MW-2, located on-site downgradient of the former dry cleaning operation, were found slightly exceeding the health advisory level at 74 ppt.

Field data from the groundwater samples indicated groundwater at the Site has a pH range from 7 to 9 (with exception of MW-3, which has pH at 5.5).

Air Sampling

Access for air sampling were denied by many of the neighboring property owners. All objections were properly documented. A total of one (1) sub-slab soil gas sample, two (2) indoor air samples and two (2) outdoor air samples were collected.

The laboratory analysis results of the air samples did not identify any significant impacts from petroleum products or chlorinated solvents.

Qualitative Human Health Risk Assessment

This RI included a qualitative human health risk assessment for the Site.

Potential On-Site Exposure

Human contact with the Site can be reasonably expected to occur primarily by three (3) types of receptors: 1) construction workers involved in the remediation and/or redevelopment of the Site; 2) commercial workers for the new commercial units to be constructed; and 3) residents of the apartment units to be constructed.

Though impacted soil/fill above the UUSCO and the RRSCO is currently present on-Site, most of the contamination is limited to the shallow soil, and direct contact is limited to non-routine contact during site excavation work (construction worker). If Track 4 Cleanup is selected, impacted soil/fill exceeding RRSCO (within the building footprint) will be removed. Any unexcavated area will either have a concrete/asphalt pavement or a 2-foot clean fill cover. If Track 1 Cleanup is selected, impacted soil/fill exceeding the UUSCO on the entire site will be removed. The potential future exposure to contaminated soil/fill will be eliminated.

For groundwater, excavation waters encountered during remedial excavation will be managed in accordance with SCGs, approved remedial action work plan and/or construction dewatering work plan (if needed), under an approved temporary discharge permit. Furthermore, the availability of municipally supplied potable water at the Site mitigates the potential for routine direct human contact or ingestion (i.e., as might occur with use of on-Site groundwater water for potable or process purposes). Human contact with groundwater can be expected to be limited to only one receptor: construction worker during deep intrusive activities.

VOCs contamination in soil, groundwater and soil gas appear to be marginal. The risk of vapor intrusion for future residents is relatively low, and it can be addressed via a sub-slab depressurization system (SSDS) and/or vapor barrier system. Other means, including increased air exchange rates and/or open parking garage can be applied when in proximity of groundwater.

Potential Off-Site Exposure

This RI did not identify any off-site soil and or soil vapor exposure risk as a result for Site operation.

2 INTRODUCTION

On November 3, 2017, 381-383 Huguenot LLC (the "Applicant") voluntarily entered into a Brownfield Cleanup Agreement (BCA) as a "Participant" with the New York State Department of Environmental Conservation (NYSDEC) for the property located at 381-393 Huguenot Street, New Rochelle, Westchester County, New York (the "Site" or the "Subject Property"). BCP Site No. C360157.

2.1 Purpose and Scope

This Remedial Investigation Report (RIR) has been prepared by Cider Environmental (CE), on behalf of the Applicant to present historic and recent RI findings and to evaluate environmental conditions across the Site in accordance with the NYSDEC Brownfield Cleanup Program (BCP) requirements.

Unless otherwise noted, the RI has been performed in accordance with the following state and local standards, criteria or guidance (SCGs):

- NYSDEC, Division of Environmental Remediation, DER-10 Technical Guidance for Site Investigation and Remediation, dated May 3, 2010
- NYSDEC CP-51 Soil Cleanup Guidance
- 6 NYCRR Part 375 Subpart 375-6, Remedial Program Soil Cleanup Objectives
- NYSDEC, Technical Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Limitations
- NYSDOH, Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006

The RI was performed based on the following NYSDEC approved documents:

- C360157 Remedial Investigation Work Plan, dated 4/16/2018, by CE (approved by the NYSDEC)
- C360157 Health and Safety Plan, dated 4/16/2018, by CE (approved by the NYSDEC)
- C360157 Community Air Monitoring Program, dated 4/16/2018, by CE (approved by the NYSDEC)
- C360157 Citizen Participation Plan, dated March 2018, by CE (approved by the NYSDEC)

3 SITE DESCRIPTION

3.1 Site Conditions

The Site is located at 381-393 Huguenot Street, in an urban area in New Rochelle, New York. The Site location map can be referenced with **Figure 2**. The Site is bound to the north by a vacant store (first floor) with residential above; to the south by a three-story residential apartment building and a one-story residential building; to the east by Huguenot Street and beyond by a gasoline filling station; and to the west by an office building/warehouse.

The Subject Property consists of four (4) irregular shaped parcels totaling approximately 0.39 acres. The county tax map can be referenced with **Figure 1**. The property currently maintains two structures. Lot 7 currently maintains an irregular shaped one-story building (with partial basement), with an approximate footprint of 3,400-square feet. This building is currently utilized for office and storage space associated with a U-Haul business, a real-estate firm, and a janitorial supply business. Lot 5 is currently vacant, utilized for vehicle parking. The first floor of the building maintained on Lots 3A and 4 house a church ministry, with the second floors occupied by one residential unit in each. The basement on Lot 4 is occupied by a hydraulic repair business. The site base map can be referenced with **Figure 3**.

The Site is currently utilized for mixed commercial and residential uses. 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.

3.2 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.

3.3 Summary of Previous Investigation

The Subject Property (381 Huguenot Street, under the name of Rush Manufacturing) has an open NYSDEC Spill case (9604099). This spill was reported on June 6, 1996 due to soil and groundwater contamination encountered during a site investigation.

In March 2016, CE performed a Phase II ESA at the Subject Property. The Phase II ESA collected subsurface soil/groundwater/soil gas samples to evaluate the potential environmental impacts. The soil samples showed several target VOC/SVOCs at levels above the Unrestricted Use Soil Cleanup Objectives. Elevated PID readings and strong petroleum odors were noted during soil sampling. Strong odor representing degraded petroleum product was noted, exceeding the nuisance criteria of CP-51. The laboratory analysis performed on the soil gas samples detected several gasoline related compounds and chlorinated solvents, including PCE and its daughter products TCE, cis-1,2-DCE and VC. The groundwater samples showed evidence of impact from petroleum products of chlorinated solvent. The maximum fuel oil related SVOCs in groundwater was 13,000 µg/L(GW-2). The maximum gasoline related VOCs in groundwater was 2,020 µg/L(GW-1). TCE was detected in one of the monitoring wells (GW-4) at 6.3 µg/L.

In February 2017, CE performed a Supplemental Subsurface Investigation (SSI) at the Subject Property. The SSI collected samples of the urban fill materials and analyzed for metals and PCBs. The SSI also determined the groundwater flow direction and delineate the extent of groundwater contamination. The SSI detected a 2-foot layer of urban fill material throughout the site. Lead (maximum 4,330 mg/Kg) was detected at levels exceeding the RRSCO (400 mg/Kg) within the urban fill layer at multiple locations. Mercury was detected at a level (1.26 mg/Kg) exceeding the RRSCO (0.81 mg/Kg) at one (1) location (SB-21 [0'-2']). PCB was detected at a level (3,000 µg/Kg) exceeding the RRSCO (1,000 µg/Kg) at one (1) location (SB-2B [5'-7']). The SSI concluded that the existing groundwater contamination originated from the fuel oil application on the Subject Property. Using the AWQS as the cut off, it is likely that the groundwater contamination has migrated beyond Site boundary to the west.

The summary of the previous sampling analytical results are presented in **Table 1** through **Table 5.** The summary of exceedances of the previous investigation are presented as **Figure 4** through **Figure 6**. The groundwater potentiometric map, based on survey event during the SSI, is presented as **Figure 7**.

3.4 Previously Identified Issues

Previous investigations of the site identified the following issues of environmental concern:

Lot 3A & 4 (381 & 383 Huguenot Street) has been utilized for cleaning services from 1931 to 1951. The 1931 Sanborn Map depicted a "dry cleaning" service on this lot, in the parking lot area (building since demolished). The laboratory analysis on soil gas samples did detect PCE and its daughter products (TCE, cis-1,2-DCE and VC). In addition, TCE, a potential daughter product of PCE, was detected in groundwater sample GW-4 (6.5 ug/L), collected south of this Lot. This area has also maintained fuel oil USTs. A remote sensing survey was performed at this area. No abandoned USTs were identified. Elevated PID readings (maximum 346 ppm) and strong petroleum odors were noted during soil sampling. The soil gas samples from this area detected fuel oil related VOCs. The groundwater sample from this area (GW-2) detected elevated levels of petroleum product related SVOCs (>13 ppm in total SVOCs) exceeding the AWQS. PCBs were detected in one soil sample (SB-2B [5'-7']) exceeding the RRSCO. The source and origin of the PCB contamination is unknown. Lead and SVOCs were detected in one shallow soil sample (SB-20 [0'-2']) exceeding the RRSCO.

Lot 5 is utilized for the parking of rental vehicles associated with the U-Haul business. This portion has exposed soil and no pavement. Lead (maximum 4,330 mg/Kg), mercury (maximum 1.26 mg/Kg) and SVOCs were detected in shallow soil samples at multiple locations at levels exceeding the RRSCO.

Lot 7 (393 Huguenot Street) has historically maintained a gasoline filling station and car wash from 1931 to 1951, and has been utilized as a warehouse since the 1990s. A remote sensing survey was performed in this area. No abandoned USTs were identified. Elevated PID readings (>1000 ppm) and strong petroleum odors were noted during soil sampling activities. Lead was detected in one of the soil samples (SB-19 [0'-2']) exceeding the RRSCO. The groundwater samples at this area (GW-5) detected elevated levels of gasoline related VOCs (>0.500 ppm in total VOCs) exceeding the AWQS. TCE was detected in groundwater sample GW-4 (6.3 ug/L) exceeding the AWQS.

3.5 Proposed Site Redevelopment

The proposed development project entails demolition of the existing facilities and construction of one (1) 6-story mixed-use building with on-site parking. The proposed building will have sixty (60) rental apartment units, and two commercial/retail units on the ground floor. The building will include the construction of a basement on the northern portion. Excavation will be 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 proposed building will cover a footprint of 10,100 square feet. The basement will cover a footprint of 5,800 square feet. Two (2) drainage structures will cover a combined area of 1,745 square feet with 6 feet in depth. The remainder of the Site will consist of an asphalt-paved parking lot. There will be no landscape areas at the Site. The proposed site redevelopment is included as **Appendix A**.

4 PHYSICAL CHARACTERISTICS OF THE SITE

4.1 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 is covered by asphalt paved driveways and parking lots. The central portion of the Site is 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 ft and 6 ft in thickness.

Below the fill, starting at depths between approximately 4 ft and 6 ft 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 ft and 20 ft 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 ft and 24 ft below grade.

A cross-section of the subsurface soil condition based on this RI and the historic investigations can be referenced with **Figure 15**.

4.2 Subsurface Groundwater Conditions

Groundwater monitoring wells were installed throughout the Site. The recorded water levels are between 6.11 (MW-3) and 8.38 (MW-8) below grade. The flow rates of the wells are extremely low. Most of the wells runs dry when purging rate is >500 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.

On May 8, 2018, a groundwater elevation survey was performed to determine the groundwater flow direction as part of the RI. The elevation of groundwater was gauged at each monitoring well and recorded. The elevations were used to graphically define the planimetric surface of the water table. The elevations of the top of the casings were represented with respect to each other and based on a benchmark elevation or approximate elevation above mean sea level. The groundwater elevations were based as a function of the depth to water and these elevations.

Based on the groundwater elevation surveys (dated 2/15/2017 and 5/8/2018), the groundwater flow direction on the site is to the northwest. The hydraulic gradience is between 0.039 to 0.069 ft/ft. This is consistent with the regional groundwater flow direction. A detailed groundwater potentiometric map is referenced in **Figure 14**. Groundwater monitoring wells gauging results are included in **Table 10**.

5 REMEDIAL INVESTIGATION APPROACH

The RI was designed to focus on: further defining the nature and extent of contamination within the BCP Site boundary; identifying the source of contamination; defining chemical constituent migration pathways; qualitatively assessing human health and ecological risks (if necessary); and obtaining data of sufficient quantity and quality to evaluate the potential feasibility and efficacy of reasonable remedial alternatives to support a NYSDEC-approvable remedial action plan for the Site.

This section of the Report presents a discussion of the rationale for the data collection program, including the methods employed to collect samples and make field measurements and observations, and the methods used to chemically analyze the environmental samples during the RI.

The RI was completed in accordance with the following.

- C360157 Remedial Investigation Work Plan, dated 4/16/2018, by CE (approved by the NYSDEC)
- C360157 Health and Safety Plan, dated 4/16/2018, by CE (approved by the NYSDEC)
- C360157 Community Air Monitoring Program, dated 4/16/2018, by CE (approved by the NYSDEC)
- C360157 Citizen Participation Plan, dated March 2018, by CE (approved by the NYSDEC)

5.1 Geophysical Survey

The geophysical survey was performed across the entire site (readily accessible areas only) to investigate for the existence of any undocumented underground storage tanks and/or buried utilities. The results of the geophysical survey can be referenced with **Figure 8**.

5.1.1 Geophysical Survey Procedures

A GPR system typically consists of a control unit, radar antenna, and display unit. The control unit generates a radar pulse and sends it through a cable to the antenna. The antenna transmits the pulse into the surface. When this energy encounters an interface between two materials of differing dielectric properties, such as reinforcing steel, air, moisture, or the base-course material, a portion of the energy is reflected back to the radar antenna. The received pulse is sent back to the control unit for processing/ storage. The display unit (video or chart recorder) presents the data. The reflected energy is received by the transducer, amplified, and recorded. The electromagnetic pulse is repeated at a rapid rate and the resultant stream of radar data produces a continuous record of the subsurface. The radar system creates a linear profile of the materials beneath the antenna pass.

A qualified technician specifies a coordinate system on the planimetric surface of the site to map any subsurface dielectric anomalies detected on the premises. The operator uses knowledge of the subsurface soil composition to calibrate the SIR-2 system to site-specific conditions. Factor settings such as range, gain, number of gain points, and scans per unit, are modified to yield the most accurate data to describe the subsurface conditions.

Upon finding a dielectric anomaly, a more spatially specific coordinate system is designed over the area to determine its size, shape and orientation. The data collected during the survey will be reviewed by the operator and compared against past experience, technical judgment and prior site knowledge to classify the anomalies.

5.2 Soil Testing Program

5.2.1 Soil Sampling Procedure

A soil testing program was implemented to thoroughly characterize and identify potential contaminants of concern in the on-site soils. The sampling locations are indicated on **Figure 9**.

Soil borings were advanced utilizing direct push techniques via a Geoprobe® 6600 unit. Soil borings were extended until groundwater or bedrock were encountered to sufficiently characterize the subsurface conditions.

At each soil boring location, an experienced geologist or engineer visually classified the soil layers 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. Boring 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.
All recovered samples requiring chemical analysis were placed in the appropriate containers, and the containers were clearly labeled with all categories or parameters. All samples were stored in coolers on ice until delivery to the selected analytical laboratory under appropriate chain-of-custody. Copies of chain-of-custody documents were retained and daily records including blind field duplicates were recorded in the field logbook.

5.2.2 Laboratory Analysis for Soil Samples

Soil samples were analyzed for the full Target Compound List (TCL) suite plus the 30 highest concentration tentatively identified compounds (TICs) [volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and pesticides/ polychlorinated biphenyls (PCBs)] and Target Analyte List (TAL) suite (Metals, Mercury and Cyanide) by NYSDEC July 2005 Analytical Services Protocol (ASP) methods as follows:

- TCL VOCs + TICs by EPA Method 8260B;
- TCL SVOCs + TICs by EPA Method 8270;
- TCL Pesticides/PCBs by EPA Methods 8081A/8082;
- TAL Metals + Total Cyanide by EPA Methods 6010 and 9012; and
- Total Mercury by EPA Method 7471A.

All samples were analyzed by methods that can achieve the minimum reporting limits to allow for comparison of the results with background levels and with Part 375 Soil Cleanup Objectives (SCOs).

5.2.3 Soil Sampling Locations and Depth

A total of ten (10) soil borings (identified as SB-31 through SB-40) were installed for this RI.

- Three (3) borings, SB-31, SB-32 and SB-33, were installed within the proposed cellar area. The bottom elevation of the proposed cellar was 77 feet AMSL.
- Two (2) borings, SB-34 and SB-35, were installed within unexcavated area on the central portion of the Site.
- Three (3) borings, SB-36, SB-37 and SB-38, were installed within the proposed garage and drainage system area. The bottom elevation of the proposed garage and drainage system was 80 feet AMSL.
- Two (2) borings, SB-39 and SB-40, were installed on the southwestern portion of the Subject Property, where according to the building plan no covering system will be installed.

The soil sampling locations are indicated on **Figure 9**.

The soil from each boring was continuously collected in 5-foot intervals to visually identify the soil layers encountered, to scan for volatile and semi-volatile organic vapors using a calibrated PID, and to inspect for any visual and/or olfactory evidence of contamination. Soil samples were collected from the discrete depth interval that displays any visual and/or olfactory evidence of contamination in that particular sample interval as determined by field observations. This was in addition to the 0-2 feet below grade soil sample and the bottom excavation or groundwater interface soil sample.

A list of the selected soil samples submitted for laboratory analysis is presented in **Table 6.**

5.3 Groundwater Sampling Program

For this RI, a total of eight (8) groundwater monitoring wells (MW-1 through MW-8) were installed at the Site and the hydraulically down-gradient properties to measuring the groundwater level, determining the groundwater flow direction, and collecting groundwater samples in accordance with Sections 2.1-2.4 and 3.7 of DER-10.

5.3.1 Monitoring Well Installation

For this RI, eight (8) permanent groundwater monitoring wells were installed. The locations of the wells can be referenced on **Figure 10**.

The monitoring wells were installed using a Geoprobe 7800 Unit employing hollow-stem augers. The wells were completed as 2-inch monitoring wells to be used for measuring water levels and collecting groundwater samples.

Since the on-site wells (MW1, MW-2, MW-4 and MW-5) will likely be destroyed during the site construction, these wells were first installed as 1-inch wells via direct push techniques, following the same installation/sampling procedures. Upon completion of site constructions, these wells will be replaced by 2-inch wells for long term monitoring.

The monitoring well borings were advanced using 4.25-inch I.D. hollow stem augers (HSA). Soil sampling were performed at each boring location to visually identify the soil layers encountered, to scan for volatile and semi-volatile organic vapors using a calibrated PID, and to inspect for any visual and/or olfactory evidence of contamination.

Soil samples were collected from the discrete depth interval(s) that displays any visual and/or olfactory evidence of contamination in that particular sample interval as determined by field observations. If none are identified, a soil sample was collected at the groundwater interface at each monitoring well location.

The monitoring wells consisted of flush-joint Schedule 40 PVC solid riser and machine slotted screen (0.010-inch slot size). The monitoring well screen was approximately ten (10) feet in length and extended across the top of the groundwater table. A sand pack was installed from at least one (1) foot beneath the base of the well, around the well screen and extending to two (2) feet above the top of the well screen.

A bentonite seal was installed immediately above the sand layer. The remainder of the borehole was filled with on-site soil fill to the ground surface.

The monitoring wells were completed at grade as flush-mounted wells located in steel road boxes; and equipped with expandable/lockable watertight caps.

5.3.2 Well Development

After installation and being allowed to set for three (3) days, the newly installed groundwater monitoring wells were adequately developed by mechanically surging the water in the well to loosen and remove suspended fines from the well screen and sand pack and purging the groundwater.

The flow rates of the monitoring wells were extremely low. Most of the wells were pumped dry within minutes at >500 ml/min.

5.3.3 Groundwater Sample Collection

Sampling occurred seven (7) days after development of the newly-installed wells. Prior to sampling any wells, the static groundwater elevation at each well were measured. Groundwater samples were collected from each monitoring well using the United States Environmental Protection Agency (USEPA) Region II Low Stress (Low Flow) Purging and Sampling Procedures (March 1998).

Field measurements for pH, specific conductivity, dissolved oxygen (DO), temperature, turbidity, flow rate and water level, as well as visual and olfactory field observations, were monitored and recorded approximately every five (5) minutes for stabilization during well purging. A well was considered stabilized and ready for sample collection when the recorded field parameters have stabilized for three consecutive readings as follows: ±0.1 for pH, ±5% for specific conductivity, and ±10% for DO and turbidity.

Since analysis for per- and polyfluoroalkyl substances (PFAS) are required, all sampling equipment components and sample containers did not come in contact with aluminum foil, low density polyethylene (LDPE), glass or polytetrafluoroethylene (PTFE, Teflon™) materials including sample bottle cap liners with a PTFE layer. Standard two step decontamination using detergent and clean water rinse was performed for equipment that did come in contact with PFC materials. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFC materials were avoided. All clothing worn by sampling personnel have been laundered multiple times. The sampler worn nitrile gloves while filling and sealing the sample bottles. Pre-cleaned sample bottles with closures, coolers, ice, sample labels and a chain of custody form were provided by the laboratory.

All recovered groundwater samples requiring chemical analysis were collected in laboratory-prepared sample bottles that are clearly labeled with all categories or parameters. Appropriate QA/QC samples were collected per sampling event, including one trip blank (accompanying VOC samples only), one matrix spike (MS), one matrix spike duplicate (MSD), and one field duplicate. Subsequent to collection, all groundwater samples were stored in coolers on ice until delivery to the selected analytical laboratory under appropriate chain-of-custody (COC). Copies of chain-of-custody documents were retained and daily records including blind field duplicates were recorded in the field logbook.

5.3.4 Groundwater Sample Laboratory Analysis

A total of eight (8) groundwater samples (and the associated QA/QC samples) were analyzed for the full TCL suite plus the 30 highest concentration TICs (VOCs, SVOCs, and Pesticides/PCBs) and TAL suite (Metals and Cyanide) by NYSDEC July 2005 ASP methods as shown below:

- TCL VOCs + TICs by EPA Method 8260B
- TCL SVOCs + TICs by EPA Method 8270
- 1,4-Dioxane by EPA Method 8270 SIM (reporting limit <0.28 µg/L)
- TCL Pesticides/PCBs by EPA Methods 8081A/8082
- TAL Metals (incl. Mercury) + Total Cyanide by EPA Methods 6010 and 9012
- TCL PFAS (per- and polyfluoroalkyl substances) by EPA Method 537 (reporting limit <2 ng/L)

All samples were analyzed by methods that can achieve the minimum reporting limits to allow for comparison of the results with NYSDEC Division of Water Technical and Operation Guidance Series (TOGS) 1.1.1 - Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.

5.4 Soil Vapor Intrusion Study

This RI included a soil vapor intrusion study on hydraulically down-gradient adjoining properties. Prior to SVI study, Multiple rounds of request for sampling access were send to all adjoining properties. Only one property (375 Huguenot Street) has granted sampling access. The sampling locations can be referenced with **Figure 11**.

In accordance with NYSDOH (October 2006) indoor air guidance, a building questionnaire/product inventory was completed during the indoor air sampling event at each location.

One (1) sub-slab soil vapor sample was collected. Soil vapor implant was set at a depth of approximately 2 feet below slab, and at least two feet above the groundwater interface. The vapor implant was installed with a hand drill. Two (2) indoor air samples were collected. Two (2) outdoor air samples were collected. One (1) from up-wind area. One (1) from down-wind area.

SVI sampling duration reflected the exposure scenario being evaluated. Sampling duration was 24-hours.

5.4.1 Soil Vapor Intrusion Sampling Procedures

Samples were collected in accordance with the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH October 2006).

Samples were collected in 6 Litter Summa canisters that have been certified clean by the laboratory and samples will be analyzed by using USEPA Method TO-15. Flow rate for both purging and sampling did not exceed 0.2 L/min. One to three implant volumes were purged prior to the collection of any soil-gas samples. A sample log sheet was maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples were collected, apparent moisture content of the sampling zone, and chain of custody protocols.

As part of the vapor intrusion evaluation, a tracer gas was used in accordance with NYSDOH protocols to serve as a quality assurance/quality control (QA/QC) device to verify the integrity of the soil vapor probe seal. A container (box, plastic pail, etc.) was used to keep the tracer gas in contact with the probe during testing. A portable monitoring device was used to analyze a sample of soil vapor for the tracer gas prior to sampling. At the conclusion of the sampling round, tracer monitoring was performed a second time to confirm the integrity of the probe seals.

5.4.2 Air Sample Laboratory Analysis

Soil gas, indoor air and outdoor air samples will be analyzed via USEPA Test Method TO-15 for target VOCs by NYSDEC July 2005 ASP methods as shown below:

- VOCs by EPA Method TO-15
- Additional helium test for soil gas samples.

5.4.3 Owner/Tenant Notification of Air Sampling Results

According to ECL 27-2405, property owners or owners' agents (such as landlords) are required to notify all of their tenants and occupants of any test results related to indoor air contamination associated with soil vapor intrusion (SVI). A letter will be prepared to report validated soil vapor intrusion sampling

results to the property owner. The draft result letters will be submitted for NYSDEC/NYSDOH review prior to sharing with property owner.

5.5 Sample Labeling, Handling, and Shipping

All soil, groundwater and air samples were identified using a unique sample number suitable to the project and the sampling protocol.

All recovered samples requiring chemical analysis were placed in the appropriate containers, and the containers were clearly labeled with all categories or parameters. All samples were stored in coolers on ice until delivery to the selected analytical laboratory under appropriate chain-of-custody. Copies of chain-of-custody documents were retained and daily records including blind field duplicates was recorded in the field logbook. The samples were either hand-delivered or shipped to the selected analytical laboratory via Federal Express within 48-hours of sample collection.

6 REMEDIAL INVESTIGATION FINDINGS

This section describes pertinent field observations and analytical results in Site soil, groundwater, soil vapor, reported during the RI.

A summary of the laboratory analytical results versus the applicable guidance values can be referenced with **Table 7** through **Table 9.** The original laboratory analysis report is presented in **Appendix D**. The summaries of exceedances are presented in **Figure 12** and **Figure 13**.

6.1 Geophysical Survey

On April 23, 2018, Cider Environmental supervised the remote sensing survey on selected areas of the Subject Property. The survey was performed utilizing a GSSI model SIR-2 ground penetrating radar (GPR) system. The result of the remote sensing survey can be referenced with **Figure 8**.

A fill port, suspected to be associated with a fuel oil UST, was observed in the front of Building 393 Huguenot St. A metallic anomaly was detected near the fill port. GPR transects over this area display inconclusive data. It is possible that the former fuel oil UST was backfilled. This area will be excavated during the upcoming site redevelopment.

Due to the presence of parked vehicles and miscellaneous storage, the entire Subject Property was not fully accessible.

6.2 Soil

From 4/23/2018 to 4/28/2018, Cider Environmental supervised the installation of soil borings for the RI. A total of twenty-six (26) soil samples and two (2) QA/QC samples were collected for laboratory analysis. The RI soil sampling followed the approved RIWP and CPP. There is no significant deviation from the approved RIWP. The locations of the soil borings can be referenced with **Figure 9**. The detailed soil logs are presented in **Appendix C**.

The proposed development project entails demolition of the existing facilities and construction of one (1) 6-story mixed-use building with on-site parking. The proposed building will have sixty (60) rental apartment units, and two commercial/retail units on the ground floor. Given the proposed site redevelopment plan, the soil analytical results were compared against:

- 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs).
- 6 NYCRR Part 375 Restricted-Residential Use SCOs (RRSCOs)
- 6 NYCRR Part 375 Protection of Groundwater SCO (PGWSCOs) per 6NYCRR Part 375-6

The field observation and laboratory analysis results of the soil samples from this RI are consistent with the previous investigation.

Exceedances of lead (maximum 1,560 mg/Kg), cadmium (maximum 4.79 mg/Kg) and several SVCOs (including benzo-a-anthracene maximum 3,700 µg/Kg, benzo-a-pyrene maximum 4,300 µg/Kg, benzo-b-fluoranthene maximum 4,500 µg/Kg, chrysene maximum 4,000 µg/Kg, dibenzo-a,h-anthracene maximum 510 µg/Kg, and indeno (1,2,3-cd) pyrene maximum 4,000 µg/Kg) over RRSCO were detected in multiple shallow soil samples within the urban fill layer. The deeper soil samples generally met RRSCO and, except for nickel and chromium, met UUSCO. Nickel and chromium exceeding UUSCO were detected throughout the site and in soil samples from the off-site monitoring wells.

Petroleum odors and staining and elevated PID readings were encountered near the former fuel oil UST and downgradient area (SB-31, SB-32, SB-34 and SB-39); and the former gasoline UST area (MW-4).

Based on the results of this RI, it is anticipated that upon completion of the proposed site excavation for new building construction (and remedial excavation of the "hot spots"), the end point soil samples from the excavated area can meet the UUSCO, except for nickel and chromium, which appear to have elevated regional background levels above the UUSCO.

6.2.1 Field Observation

The sidewalk of Huguenot Street is covered by 4 inches of concrete, underlain by 6 inches of subbase. Part of the site is covered by asphalt paved driveways and parking lots. The central portion of the Site is 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 ft and 6 ft in thickness.

Below the fill, starting at depths between approximately 4 ft and 6 ft 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 ft and 20 ft 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 ft and 24 ft below grade.

Elevated PID readings, petroleum odor and/or stain were observed within the following soil borings:

- SB-31 (behind 383 Huguenot St, area of the former fuel oil UST). Elevated PID reading (99.3 ppm), petroleum odor and stain was encountered at 4-6 feet below grade, immediately above water table (smear zone).
- SB-32 (beneath basement slab at 383 Huguenot St). Elevated PID reading (122 ppm), petroleum odor and stain was encountered immediately beneath basement slab.
- SB-34 (former fuel oil UST area). Elevated PID reading (623 ppm), petroleum odor and stain was encountered from grade to 5 feet below grade upon refusal.
- SB-39 (western boundary of the Site). Elevated PID reading (797 ppm), petroleum odor and stain was encountered at 7 feet below grade, at the soil-groundwater interface.
- MW-3 (off-site, on Columbus Ave). Elevated PID reading (245.7 ppm), petroleum odor and stain was encountered at 6 to 8 feet below grade, immediately above water table.
- MW-4 (former gasoline tanks). Elevated PID readings (1140 ppm), petroleum odor and stain was encountered at 5 to 10 feet above groundwater interface.
- MW-8 (off-site, upgradient, on Huguenot St). Slightly elevated PID reading (5.2 ppm) was encountered at 12 to 14 feet below grade, immediately above the groundwater (smear zone).

6.2.2 VOCs

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

Total xylenes were detected in shallow soil sample SB-34 [0'-2'] at 3,490 µg/Kg, above the UUSCO but below the RRSCO.

Trichloroethene was detected in soil samples SB-36 [0'-2'] at 3,100 µg/Kg and in SB-40 [0'-2'] at 1,800 µg/Kg. Both above the UUSCO but below the RRSCO.

It should be noted that the deeper samples from the same borings (SB-34 [5'-7'], SB-39 [6'-8'] and SB-40 [6'-8'], respectively) did not detect any target VOCs exceeding the UUSCO or the RRSCO.

6.2.3 SVOCs

Several SVOCs were detected in three (3) shallow soil samples exceeding the RRSCO, including soil samples SB-36 [0'-2'], SB-39[0'-2'] and SB-40 [0'-2']. Specifically:

- Benzo-a-anthracene maximum 3,700 µg/Kg at SB-40 [0'-2']
- Benzo-a-pyrene maximum 4,300 µg/Kg at SB-40 [0'-2']
- Benzo-b-fluoranthene maximum 4,500 µg/Kg at SB-40 [0'-2']
- Chrysene maximum 4,000 µg/Kg at SB-40 [0'-2']
- Dibenzo-a,h-anthracene maximum 510 µg/Kg at SB-40 [0'-2'], and
- Indeno (1,2,3-cd) pyrene maximum 4,000 µg/Kg) at SB-40 [0'-2']

It should be noted that the deeper samples from the same borings (SB-36 [6'-8'], SB-39 [5'-7'] and SB-40 [6'-8'], respectively) did not detect any target SVOCs exceeding the UUSCO or the RRSCO.

6.2.4 Inorganic Compounds

Lead was detected in the following shallow soil samples exceeding both the UUSCO and the RRSCO (and the PGWSCO).

- SB-35 [0'-2'] at 1,140 µg/Kg
- SB-36 [0'-2'] at 1,560 µg/Kg
- SB-37 [0'-2'] at 1,360 µg/Kg
- SB-38 [0'-2'] at 838 µg/Kg
- SB-40 [0'-2] at 1,490 µg/Kg

Lead was detected in the following soil samples exceeding the UUSCO but below the RRSCO (and the PGWSCO).

- SB-31 [0'-2'] at 257 µg/Kg
- SB-33 [0'-2'] at 200 µg/Kg
- SB-38 [3'-5'] at 357 µg/Kg

Cadmium was detected in shallow soil sample SB-40 [0'-2'] at 4.79 exceeding the UUSCO and the RRSCO (but below the PGWSCO). The deep soil sample from same bore hole SB-40 [6'-8'] did not detect cadmium.

Copper was detected in the following soil samples exceeding the UUSCO but below the RRSCO (and the PGWSCO)

- SB-34 [0'-2'] at 76.9 µg/Kg
- SB-35 [0'-2'] at 105 µg/Kg

- SB-36 [0'-2'] at 193 µg/Kg
- SB-37 [0'-2'] at 63.6 µg/Kg
- SB-38 [0'-2] at 59.4 µg/Kg
- SB-38 [3'-5'] at 55.6 µg/Kg
- SB-40 [0'-2'] at 149 µg/Kg
- MW-4 [8'-10'] at 70.2 µg/Kg

Mercury was detected in the following soil samples exceeding the UUSCO but below the RRSCO (and the PGWSCO).

- SB-32 [0'-2'] at 0.19 µg/Kg
- SB-36 [0'-2'] at 0.58 µg/Kg
- SB-37 [0'-2'] at 0.36 µg/Kg
- SB-38 [0'-2'] at 0.32 µg/Kg
- SB-40 [0'-2'] at 0.68 µg/Kg

Nickel was detected in the following soil samples exceeding the UUSCO but below the RRSCO (and the PGWSCO).

- SB-32 [0'-2'] at 35.9 µg/Kg
- SB-34 [3'-5'] at 39.2 µg/Kg
- SB-35 [5'-7'] at 54.3 µg/Kg
- SB-35 [0'-2'] at 31.7 µg/Kg
- SB-36 [0'-2'] at 33.2 µg/Kg
- SB-36 [6'-8'] at 62.8 µg/Kg
- SB-37 [0'-2'] at 34.2 µg/Kg
- SB-37 [6'-8'] at 43 µg/Kg
- SB-38 [0'-2'] at 47.3 µg/Kg
- SB-38 [3'-5'] at 35.5 µg/Kg
- SB-39 [5'-7'] at 46 µg/Kg
- SB-40 [0'-2'] at 31.4 µg/Kg
- SB-40 [6'-8'] at 38.7 µg/Kg
- MW-3 [4'-5'] at 46.8 µg/Kg
- MW-4 [5'-7'] at 45.4 µg/Kg
- MW-6 [6'-8'] at 37.5 µg/Kg
- MW-8 [12'-14'] at 31 µg/Kg

Zinc was detected in the following soil samples exceeding the UUSCO but below the RRSCO (and the PGWSCO).

- SB-35 [0'-2'] at 297 µg/Kg
- SB-36 [0'-2'] at 403 µg/Kg
- SB-37 [0'-2'] at 358 µg/Kg
- SB-38 [0'-2'] at 355 µg/Kg
- SB-40 [0'-2'] at 533 µg/Kg

6.2.5 PCBs and Pesticides

PCBs were detected in following soil samples exceeding the UUSCO but below the RRSCO (and the PGWSCO).

- SB-34 [0'-2'] at 120 µg/Kg
- SB-40 [0'-2'] at 130 µg/Kg

4,4-DDD was detected in soil sample SB-34 [0'-2'] at 20 µg/Kg, exceeding the UUSCO but below the RRSCO (and the PGWSCO).

4,4-DDT was detected in the following soil samples exceeding the UUSCO but below the RRSCO (and the PGWSCO).

- SB-34 [0'-2'] at 16 µg/Kg
- SB-39 [0'-2'] at 9.5 µg/Kg

6.3 Groundwater

From 4/23/2018 to 4/28/2018, Cider Environmental supervised the installation of eight (8) permanent groundwater monitoring wells on the Subject Property.

The monitoring well installation and groundwater sampling followed the approved RIWP. There is no significant deviation from the approved RIWP. The flow rates of the wells are extremely low. Most of the wells runs dry when purging rate is >500 ml/min.

The groundwater analytical results were compared against:

- NYSDEC, Technical Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Limitations (AWQS).

The field observation and laboratory analysis results of the groundwater samples are consistent with the previous investigation.

Petroleum odor was observed with groundwater samples from MW-1, MW-2 and MW-4.

Exceedances of several inorganic compounds (aluminum, iron, magnesium, manganese and sodium) over the AWQS were detected in both on-site and off-site wells (including upgradient and side-gradient wells). This is due to elevated regional background levels, not the impact from the Site.

Selenium was detected in MW-5 (side-gradient) at 0.012 mg/L marginally above the AWQS. PCB was detected in MW-8 (up-gradient) at 0.094 µg/L marginally above the AWQS. 1,3-Dichlorobenzene was detected in both the on-site and up-gradient wells (maximum 6.8 µg/L) marginally exceeding the AWQS. Isopropylbenzene was detected in MW-4 at 17 µg/L marginally above the AWQS. Phenol was detected in MW-8 (up-gradient) at 1.4 µg/L marginally above the AWQS. Naphthalene was detected in MW-1 at 16 µg/L marginally above the AWQS.

PFOA & PFOS were detected in all groundwater samples exceeding the USEPA Health Advisory Levels of 70 ppt. It appears the PFOA & PFOS groundwater contamination was a result of general urban environment, and not the impact from the Site.

6.3.1 Field Observation

The recorded water levels are between 6.11 (MW-3) and 8.38 (MW-8) below grade. The flow rates of the wells are extremely low. Most of the wells runs dry when purging rate is >500 ml/min. Petroleum odor was observed with groundwater samples from MW-1, MW-2 and MW-4.

6.3.2 Groundwater Gauging Results

On May 8, 2018, a groundwater elevation survey was performed to determine the groundwater flow direction as part of the RI. The elevation of groundwater was gauged at each monitoring well and recorded. The elevations were used to graphically define the planimetric surface of the water table. The elevations of the top of the casings were represented with respect to each other and based on a benchmark elevation or approximate elevation above mean sea level. The groundwater elevations were based as a function of the depth to water and these elevations.

Based on the groundwater elevation surveys (dated 2/15/2017 and 5/8/2018), the groundwater flow direction on the site is to the northwest. The hydraulic gradience is between 0.039 to 0.069 ft/ft. This is

consistent with the regional groundwater flow direction. A detailed groundwater potentiometric map is referenced in **Figure 14**. Water level data is included in **Table 10**.

6.3.3 VOCs

1,3-Dichlorobenzene was detected in the following groundwater samples marginally exceeding the AWQS.

- MW-1 at 3.2 µg/L
- MW-2 at 6 µg/L
- MW-4 at 6.8 µg/L
- MW-8 at 4.9 µg/L

Isopropylbenzene, n-propylbenzene and p-isoproplytoluene were detected in MW-4 at 17 µg/L, 15 µg/L and 5.3 µg/L, respectively, marginally exceeding the AWQS.

6.3.4 SVOCs

Naphthalene was detected in MW-1 at 16 µg/L marginally exceeding the AWQS.

Phenol was detected in MW-8 at 1.4 µg/L marginally exceeding the AWQS.

6.3.5 Inorganic Compounds

Aluminum was detected in the following groundwater samples exceeding the AWQS.

- MW-1 at 0.108 µg/L
- MW-3 at 0.791 µg/L
- MW-4 at 0.382 µg/L
- MW-5 at 0.11 µg/L
- MW-6 at 3.82 µg/L
- MW-7 at 0.869 µg/L
- MW-8 at 3.95 µg/L

Iron was detected in the following groundwater samples exceeding the AWQS.

- MW-1 at 39.9 µg/L
- MW-2 at 4.84 µg/L
- MW-3 at 1.21 µg/L
- MW-4 at 52.5 µg/L
- MW-6 at 4.39 µg/L
- MW-7 at 1.77 µg/L
- MW-8 at 3.29 µg/L

Magnesium was detected in the following groundwater samples exceeding the AWQS.

- MW-1 at 45 µg/L
- MW-8 at 54.4 µg/L

Manganese was detected in the following groundwater samples exceeding the AWQS.

- MW-1 at 16 µg/L
- MW-2 at 1.78 µg/L
- MW-3 at 1.7 µg/L
- MW-4 at 4.06 µg/L
- MW-6 at 0.356 µg/L
- MW-7 at 3.38 µg/L
- MW-8 at 1.43 µg/L

Sodium was detected in the following groundwater samples exceeding the AWQS.

- MW-1 at 54.9 µg/L
- MW-2 at 46.6 µg/L
- MW-3 at 143 µg/L
- MW-4 at 358 µg/L
- MW-5 at 29.7 µg/L
- MW-6 at 97.7 µg/L
- MW-7 at 53.5 µg/L
- MW-8 at 234 µg/L

6.3.6 PCBs and Pesticides

PCBs were detected in MW-8 at 0.094 µg/L, exceeding the AWQS.

No pesticides were detected in any of the groundwater samples.

6.3.7 1,4-Dioxane

No 1,4-dioxane was detected in any of the groundwater samples.

6.3.8 Total PFOA+PFOS

Total PFOA+PFOS were detected in the following groundwater samples exceeding the USEPA Health Advisory Levels of 70 ppt. Note that the NYSDEC does not have an established guidance values for total PFOA+PFOS.

- MW-2 at 74 ng/L
- MW-4 at 102 ng/L
- MW-5 at 184 ng/L

6.4 Air Sampling

Access for air sampling were denied by many of the neighboring properties' owners. All objections were properly documented.

From 3/28/2018 to 3/29/2018, Cider Environmental collected one (1) sub-slab soil gas sample, two (2) indoor air samples and two (2) outdoor air samples for this RI. All samples were collected in accordance with the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH October 2006). The sampling locations can be referenced with **Figure 11**. Field sampling log can be referenced with **Appendix C**.

Prior to air sampling, Cider Environmental performed a pre-sampling inspection: 1) to evaluate the physical layout and conditions of the building; 2) to determine sampling locations; 3) to identify conditions that may potentially affect or interfere with the proposed sampling; and 4) to prepare the building for sampling.

The following actions were taken:

- Identify the storage of volatile chemicals.
- Identify heating or air conditioning systems.
- Prepare floor plan sketches showing sampling locations, chemical storage, doorways, stairways, sumps or drains, utility perforations through building foundations, and HVAC system supply and return registers.

The inspection did not identify any storage of volatile chemicals. The building utilized natural gas fired heating system located in the basement. The sampling locations is depicted on **Figure 11**.

Sub-slab soil gas sample SG-3 and indoor air samples IA-3-1 and IA-3-2 have low levels of both petroleum related and chlorinated VOCs.

- For petroleum related VOCs (BTEX):

  - Benzene was detected in sub-slab soil gas (SG-3) at 1.23 µg/m^3 and in indoor air at maximum 1.19 µg/m^3 (IA-3-1), comparable to outdoor air at maximum 1.48 µg/m^3 (OA-2).
  - Toluene was detected in sub-slab soil gas (SG-3) at 4.11 µg/m^3 and in indoor air at maximum 4.71 (IA-3-1), comparable to outdoor air at maximum 5.01 µg/m^3 (OA-2).
  - Ethylbenzene was non-detect in all samples.
  - Total xylenes were detected in sub-slab soil gas (SG-3) at 4.29 µg/m^3 and in indoor air at maximum 2.6 µg/m^3 (IA-3-1), comparable to outdoor air at maximum 4.93 µg/m^3 (OA-2).
- For chlorinated VOCs:
  - Carbon tetrachloride was detected in sub-slab soil gas (SG-3) at 0.53 µg/m^3 and in indoor air at maximum 0.61 µg/m^3 (IA-3-1), comparable to outdoor air at maximum 0.54 µg/m^3 (OA-2).
  - Tetrachloroethene was detected in sub-slab soil gas (SG-3) at 0.83 µg/m^3 and in indoor air at maximum 0.89 µg/m^3 (IA-3-1), comparable to outdoor air at maximum 0.57 µg/m^3 (OA-1).

The laboratory analysis results of the air samples did not identify any significant impacts from petroleum products or chlorinated solvents.

7 QA/QC PROTOCOLS

7.1 Laboratory and Data Submittal

All recovered samples requiring chemical analysis were placed in laboratory-prepared unpreserved or preserved polyethylene or glass containers, depending on the sample media and analyses. For soil and groundwater samples, sample preservation also consisted of keeping the samples cool and maintaining a cooler temperature of four (4) degrees Celsius. The maximum sample holding time was in compliance with the required analysis.

All samples were submitted under proper chain-of-custody procedures to a NYSDOH Environmental Laboratory Approval Program (ELAP) certified laboratory for analysis by NYSDEC July 2005 Analytical Services Protocol (ASP) and in accordance with approved U.S. Environmental Protection Agency (USEPA) methodologies.

Procedures for chain of custody, laboratory instrumentation calibration, laboratory analyses, reporting of data, internal quality control, and corrective actions were followed as per USEPA SW-846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, and as per the selected laboratory's quality assurance plan.

Where appropriate, duplicate samples, field equipment blanks, cooler temperature blanks, matrix spike, and matrix spike duplicates were performed at a rate of 5% and will be used to assess the quality of the data. The laboratory's in-house QA/QC limits were utilized whenever they are more stringent than those suggested by the EPA methods.

Analytical data were presented as Category B deliverables packets including Tentatively Identified Compounds (TICs) for VOCs and SVOCs only. All analytical data were validated and a Data Usability Summary Report (DUSR) prepared.

Modified EPA Method 537 were utilized for PFAS analysis in groundwater samples to achieve 2 ng/L (ppt) detection limit.

EPA Method 8270 SIM (Selective Ion Monitoring) were utilized for 1,4-dioxane analysis to achieve 0.28 µg/L detection limit.

7.2 Electronic Data Deliverables

All laboratory data collected were submitted to the NYSDEC in the NYSDEC-approved Electronic Data Deliverable (EDD) format. In addition to analytical data, other sample descriptive data and survey coordinate data were also incorporated into the EDD.

7.3 Data Usability Summary Report

The laboratory data packages were sent to a qualified, independent, data validation specialist for evaluation of the accuracy and precision of the analytical results and for preparation of a Data Usability Summary Report (DUSR). The DUSR provides a thorough evaluation of the analytical data to determine whether or not the data, as presented, meets the site/project specific criteria for data quality and use. The DUSR was prepared in accordance with the guidelines in Section 2.2 and Appendix 2B of DER-10.

7.4 Field Equipment

All non-dedicated, down-hole soil sampling equipment was decontaminated prior to sampling and between soil boring/drilling locations in accordance with accepted drilling practices using an Alconox wash followed by a clean water rinse.

Dedicated sampling equipment (i.e. tubing, bailers, etc.) were used for the groundwater sampling. In the event dedicated sampling equipment was not utilized, all sampling equipment (pump, tubing, monitoring equipment, etc.) were decontaminated prior to use and between wells using an Alconox wash followed by a deionized (DI) water rinse.

Summa canisters for air samples were provided as certified clean by the selected laboratory.

Equipment decontamination water was containerized and temporarily staged on-site pending analysis and disposal off-site at a properly permitted treatment, storage, or disposal facility.

Disposable sampling equipment including, spoons, gloves, bags, paper towels, acetate liners, etc. that came in contact with contaminated soil were double-bagged and disposed of as municipal trash.

Since analysis for per- and polyfluoroalkyl substances (PFAS) are required, all sampling equipment components and sample containers did not come in contact with aluminum foil, low density polyethylene

(LDPE), glass or polytetrafluoroethylene (PTFE, Teflon™) materials including sample bottle cap liners with a PTFE layer. Standard two step decontamination using detergent and clean water rinse were performed for equipment that did come in contact with PFC materials. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFC materials were avoided. All clothing worn by sampling personnel have been laundered multiple times. The sampler wore nitrile gloves while filling and sealing the sample bottles. Pre-cleaned sample bottles with closures, coolers, ice, sample labels and a chain of custody form were provided by the laboratory.

8 DATA USABILITY SUMMARY REPORT

In accordance with the RIWP, the laboratory analytical data from this RI was assessed and, as required, submitted for independent review. New Environmental Horizons (located in Arlington, MA) performed the data usability summary assessment, which involved a review of the summary form information and sample raw data, and a limited review of associated QC raw data. Specifically, the following items were reviewed:

- Laboratory Narrative Discussion
- Custody Documentation
- Holding Times
- Surrogate and Internal Standard Recoveries
- Matrix Spike Recoveries/Duplicate Recoveries
- Field Duplicate Correlation
- Preparation/Calibration Blanks
- Control Spike/Laboratory Control Samples
- Instrumental IDLs
- Calibration/CRI/CRA Standards
- ICP Interference Check Standards
- ICP Serial Dilution Correlations
- Sample Results Verification

The Data Usability Summary Report (DUSR) was conducted using guidance from the USEPA Region 2 validation Standard Operating Procedures, the USEPA National Functional Guidelines for Data Review, as well as professional judgment.

In summary, sample analyses were primarily conducted in compliance with the required analytical protocols. Specifically:

- There were several VOCs and SVOCs rejected in the soil data package (all marked out on **Table 7**). All other results are considered to be usable for project objectives with the understanding of potential bias in estimated results.
- There were several SVOCs rejected in the groundwater data package (all marked out on **Table 8**). All other results are considered to be usable for project objectives with the understanding of potential bias in estimated results.
- There were no rejections in the air sample package. All results are considered to be usable for project objectives with the understanding of potential bias in estimated results.

Qualifications of the data have been incorporated to the summary data tables. Summary of the data validation actions can be referenced with **Table 11** through **Table 13**. The original Data Usability Summary Report is included as **Appendix E**.

9 HEALTH AND SAFETY

9.1 Health and Safety Plan

This RI implemented the NYSDEC approved site-specific Health and Safety Plan (HASP) during the field investigation. There is no reportable health and safety incident during the RI.

9.2 Community Air Monitoring

This RI implemented the NYSDEC approved site-specific Community Air Monitoring Plan (CAMP) during the field investigation. There is no reportable air monitoring incident during the RI. The community air monitoring data is included as **Appendix G**.

10 CONTAMINATION FATE AND TRANSPORT

The analytical results of the historic investigations and this RI were incorporated with the physical characterization of the Site to evaluate the fate and transport of COCs in Site media. The mechanisms by which the COCs can migrate to other areas or media are briefly outlined below.

10.1 Fugitive Dust Generation

Volatile and non-volatile chemicals present in soil/fill can be released to ambient air as a result of fugitive dust generation. Historic use of the Site has impacted subsurface soil/fill with metals, SVOCs, PCBs and pesticides, and as such, fugitive dust generation during excavations related to remediation, and Site redevelopment activities is considered a relevant potential short-term migration pathway. VOC and particulate monitoring in accordance with the approved Community Air Monitoring Plan (CAMP) will be employed during future remediation and redevelopment.

Under the planned redevelopment of the Site, most of the Site will be developed for mixed commercial and restricted-residential land use and will be covered by structures, asphalt, concrete cover and 2-feet minimum clean fill material. Therefore, this migration pathway is not considered relevant under the current and reasonably anticipated future land use.

Fugitive dust generation is not considered significant if a soil management plan, incorporating dust suppression methods, is implemented during remedial action at the Site. Any future disturbance of contaminated soil remaining on-site will be performed under a soil management plan (element of a Site Management Plan) and these activities will be subject to CAMP monitoring.

10.2 Volatilization

Volatile chemicals present in soil/fill and groundwater may be released to ambient or indoor air through volatilization either from or through the soil/fill underlying building structures. Volatile chemicals typically have a low organic-carbon partition coefficient (Koc), low molecular weight, and a high Henry's Law constant. Historic operations on-Site have impacted on-Site soil/fill and groundwater with petroleum-related VOCs and chlorinated VOCs at levels marginally above the applicable guidance.

Based on the future redevelopment of the Site, much of the VOCs/SVOCs impacted soil will be excavated. In addition, the Participant may elect to install a sub-slab depressurization system (SSDS) within future

building (if Track 4 Cleanup is selected); or a vapor barrier system (if Track 1 Cleanup is selected). Accordingly, volatilization from impacted soil/fill and groundwater is not considered a significant migration pathway.

10.3 Surface Water Runoff

Currently, the potential for soil particle transport via surface water runoff is moderate, as the central portion of the Site is exposed soil. Surface water in contact with contaminated soil/fill that may be exposed during remedial excavation activities would be managed in accordance with the approved Storm Water Pollution Prevention Plan, which would minimize or eliminate the potential of contaminated sediment particles migrating from the Site.

The redevelopment of the Site will incorporate a new stormwater collection, retention and discharge system designed in accordance with New York State stormwater standards to provide a mechanism for controlled surface water transport that will result in minimization of sediment erosion and provide an on-Site capture mechanism within a stormwater retention basin.

Therefore, the surface water runoff pathway is not considered significant if a soil management plan is implemented during remedial action at the Site.

10.4 Leaching

Leaching refers to chemicals present in soil/fill migrating downward to groundwater as a result of infiltration of precipitation. Planned Site redevelopment will remove the impacted soil/fill on-Site, effectively removing the source area and mitigating future leaching pathway.

The primary contaminants at the Site are SVOCs and metals which have relative low mobility and solubility characteristics in soil matrices. Based on the results of the soil and groundwater samples collected from the Site, sodium was detected in all eight (8) sampling locations at concentrations above the AWQS. These detections are attributed to the use of road salt at the Site and surrounding areas. In addition, aluminum, iron, manganese were detected above AWQS at frequencies that would indicate leaching is occurring.

Under the planned redevelopment of the Site, the Site will be covered by structures, asphalt, concrete cover and 2-feet minimum clean fill material. Therefore, leaching is not considered significant migration pathway under the reasonably anticipated future land use.

10.5 Groundwater Transport

On-Site overburden groundwater flows in a NW direction (see **Figure 14**), with a calculated hydraulic gradient of 0.039 to 0.069 ft/ft. RI groundwater analytical results indicated concentrations of Several target analytes above AWQS.

Groundwater sampling conducted during the RI indicated that metal, VOCs and PFOA & PFOS contamination detected in the groundwater at a few locations. The fate and transport of a metal in soil and groundwater depends upon the chemical form and speciation of the metal. Typically, metals are relatively immobile in subsurface systems.

Exceedances of several inorganic compounds (aluminum, iron, magnesium, manganese and sodium) over the AWQS were detected in both on-site and off-site wells (including upgradient and side-gradient wells). Selenium was only detected in MW-5 (side-gradient) marginally above the AWQS. PCB was only detected in MW-8 (up-gradient) marginally above the AWQS. 1,3-Dichlorobenzene was detected in both the on-site and up-gradient wells marginally exceeding the AWQS. Isopropylbenzene was only detected in MW-4 marginally above the AWQS. Phenol was only detected in MW-8 (up-gradient) marginally above the AWQS. Naphthalene was only detected in MW-1 marginally above the AWQS. Total PFOA+PFOS concentrations exceeding the USEPA Health Advisory Levels of 70 parts per trillion (ppt) were found in three (3) on-site monitoring wells; however, PFAS compounds were found in groundwater both on-site and off-site (upgradient).

The pH of groundwater may alter the mobility of a metal. Metals are likely to be more mobile in an acidic environment than under neutral (pH of 7) or higher pH conditions. Field data from the groundwater samples indicated groundwater at the Site has a pH range from 7 to 9 (with exception of MW-3, which has pH at 5.5).

Groundwater transport of contaminants would be considered a relevant migration pathway. The planned remedial activities will remove impacted soil/fill on-Site and mitigate transport of impacted groundwater.

Excavation dewatering, if required, shall be completed in accordance with an approved temporary discharge permit.

10.6 Exposure Pathways

Based on the fate and transport analysis provided above and the proposed site redevelopment, the relevant migration pathways through which Site contaminants could potentially reach receptors are:

- For Current conditions and during site construction:
  - Fugitive dust generation
  - Volatilization
  - Surface water runoff
  - Leaching
  - Groundwater transportation
- Subsequent to the site redevelopment:
  - Groundwater transportation.

Remedial activities will be designed to significantly minimize or eliminate the potential that contaminated soil and/or water could migrate from the Site in the form of fugitive dust and/or surface runoff. During proposed remediation construction activities, a Community Air Monitoring Program (CAMP) and erosion and sediment control strategies will be implemented to mitigate the potential for off-site exposure. Excavation dewatering, if required, will be completed in accordance with an approved temporary discharge permit.

11 QUALITATIVE HUMAN HEALTH RISK ASSESSMENT

To evaluate potential exposures to site contaminants, a qualitative human health exposure assessment was completed consistent with the NYSDOH guidance in Appendix 3B of the NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation dated May 2010 (DER-10). This assessment consisted of characterizing the exposure setting, a description of the physical environment and the proposed future land use, a description of the potentially exposed human populations, identifying exposure pathways, and evaluating contaminant fate and transport.

11.1 Potential On-Site Human Health Exposure Assessment

The proposed development project entails demolition of the existing buildings and construction of one (1) 6-story mixed-use building with on-site parking. The proposed building will have sixty (60) rental apartment units, and two commercial/retail units on the ground floor. The planned site uses are consistent with the surrounding property use and zoning. As such, human contact with the Site can be reasonably expected to occur primarily by three (3) types of receptors: 1) construction workers involved in the remediation and/or redevelopment of the Site; 2) commercial workers for the new commercial units to be constructed; 3) residents of the apartment units to be constructed; 4) pedestrians walking past the site or patronizing nearby businesses; and 5) trespassers.

Construction workers, commercial workers will be comprised of adults. Residents, pedestrians and trespassers would be children and adults. For the construction workers, pedestrians and trespassers, the exposure would be short-term. For the commercial workers and residents, the exposure would be long-term.

Though impacted soil/fill above the UUSCO and the RRSCO is currently present on-Site, most of the contamination is limited to the shallow soil, and direct contact is limited to non-routine contact during site excavation work (construction worker). If Track 4 Cleanup is selected, impacted soil/fill exceeding RRSCO (within the building footprint) will be removed. Any unexcavated area will either have a concrete/asphalt pavement or a 2-foot clean fill cover. If Track 1 Cleanup is selected, impacted soil/fill exceeding the UUSCO on the entire site will be removed. The potential future exposure to contaminated soil/fill will eliminated.

For groundwater, excavation waters encountered during remedial excavation will be managed in accordance with SCGs, approved remedial action work plan and/or construction dewatering work plan (if needed), under an approved temporary discharge permit. Furthermore, the availability of municipally

supplied potable water at the Site mitigates the potential for routine direct human contact or ingestion (i.e., as might occur with use of on-Site groundwater water for potable or process purposes). Human contact with groundwater can be expected to be limited to only one receptor: construction worker during deep intrusive activities. VOCs contamination in soil, groundwater and soil gas appear to be marginal. The risk of vapor intrusion for future residents is relatively low, and it can be addressed via a sub-slab depressurization system (SSDS) and/or vapor barrier system.

11.2 Potential Off-Site Exposure Risk

Per DER-10, the qualitative exposure assessment must consider the nature of populations currently exposed or have the potential to be exposed to Site-related contaminants both on-site and off-site, and must describe the reasonably anticipated future land use of the site and affected off-site areas. The qualitative exposure assessment must include a full delineation of the nature and extent of off-site impacts; unless the remedial party is a volunteer in the BCP, in which event off-site field information is only needed sufficient to identify the presence of contamination and support the qualitative off-site exposure assessment for these sites.

11.2.1 Off-Site Soil Impacts

The RI did not identify any off-site soil impacts as a result of the historic operations on the Site. Soil sampling data from off-site borings surrounding the Site did not identify any impact exceeding the UUSCO (except for nickel, due to elevated regional background level).

11.2.2 Off-Site Groundwater Impacts

Based on the RI groundwater assessment, several target analytes (metals and 1,3-dichlorobenzene) were present in several off-site wells (including the upgradient well, MW-8) exceeding the AWQS. This is due to elevated regional background levels, not a result of impact from the Site. The off-site groundwater impact from the Site is limited.

11.2.3 Off-Site Soil Vapor Impacts

The RI did not identify any off-site soil vapor impacts as a result of the historic operations on the Site. However, since only one of the six off-site buildings were allowed access and sampled, further evaluations are needed to determine if soil vapor intrusion is a potential concern for other off-site buildings.

11.3 Potential Ecological Exposure Assessment

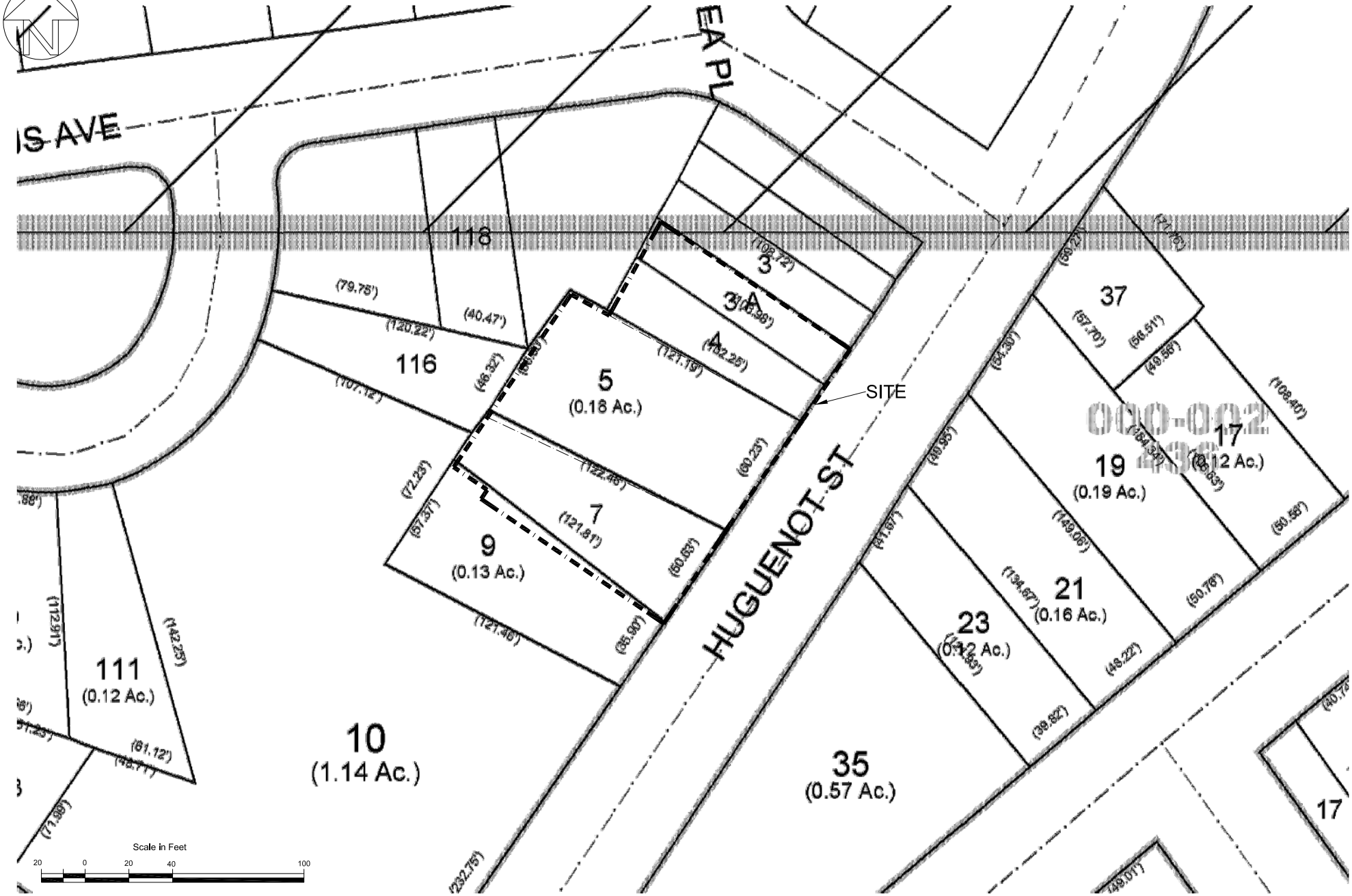
The Site is a commercially developed facility located within a highly developed area of the City of New Rochelle. The Site provide little or no wildlife habitat or food value, and/or access to the detected subsurface contamination. The reasonably anticipated future use is mixed-use commercial and residential redevelopment with the Site being covered by buildings, concrete sidewalks and asphalt, with minimum exposed soil on the western side of the building.

Planned remediation will eliminate source areas including the former UST system, impacted soil/fill, and excavation water management. The planned remediation will achieve a Restricted-Residential or less restrictive use cleanup (e.g., Residential or Unrestricted). As such, no unacceptable ecological risks are anticipated under the current or reasonably anticipated future use scenario.

12 REFERENCES

1. NYSDEC, May 2010, DER-10 Technical Guidance for Site Investigation and Remediation
2. NYSDEC, October 1993, Technical Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Limitations
3. NYSDOH, October 2006, Guidance for Evaluating Soil Vapor Intrusion in the State of New York
4. Cider Environmental, February 2016, Phase I Environmental Site Assessment (ESA)
5. Cider Environmental, March 2016, Phase II ESA
6. Cider Environmental, February 2017, Supplemental Subsurface Investigation
7. C360157 Remedial Investigation Work Plan, dated 4/16/2018, by CE (approved by the NYSDEC)
8. C360157 Health and Safety Plan, dated 4/16/2018, by CE (approved by the NYSDEC)
9. C360157 Community Air Monitoring Program, dated 4/16/2018, by CE (approved by the NYSDEC)
10. C360157 Citizen Participation Plan, dated March 2018, by CE (approved by the NYSDEC)

FIGURES



WESTCHESTER, NY

CITY OF NEW ROCHELLE

Map ID: 0127

Legend

Site Boundary

(tax APN Parcel Layout ID):

0099-000-000-00099-000-0000-00

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TITLE: County Tax Map

381-393 Huguenot Street, New Rochelle, New York

DRAWN BY:	WF	REVISED BY:		PROJECT No. 2015-188
CHECKED BY:	JC	REVISED DATE:		
DATE:	1-19-2017	APPROVED BY:		FIGURE No. 01
SCALE:	1" = 60'	FILE NAME:		

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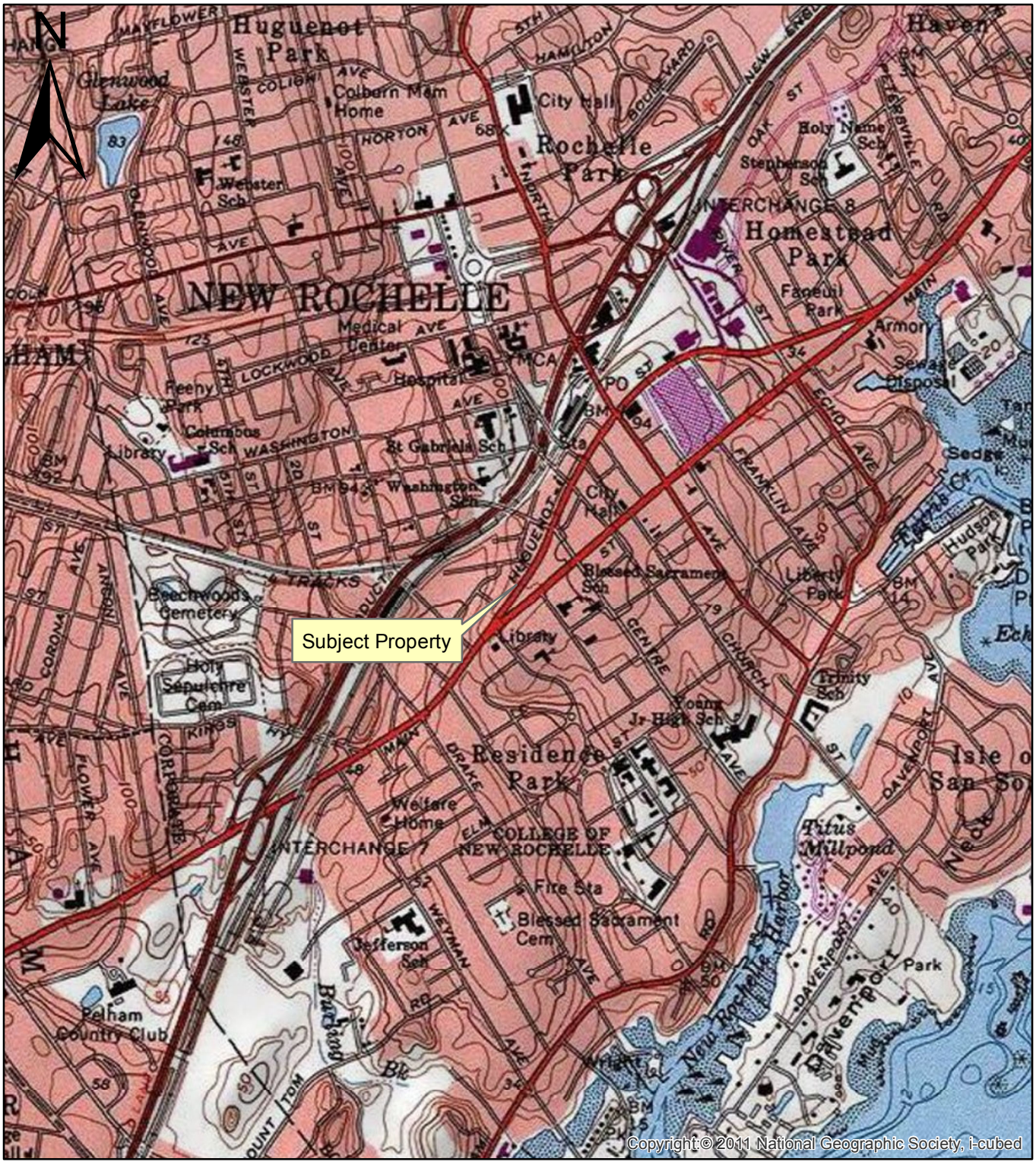


USGS 7.5 Minute Quadrangle Topographic Map (2011)

SCALE: 1:24,000

0 0.125 0.25 0.5 0.75 1 Miles

TITLE	SITE LOCATION MAP		Figure No. 02
PROJECT	381-393 Huguenot Street New Rochelle, New York		Project No. 2015-188
CIDER ENVIRONMENTAL	DESIGN	WF	1-18-2016
	CHECK		
	REVIEW		

SCALE: 1:1,200

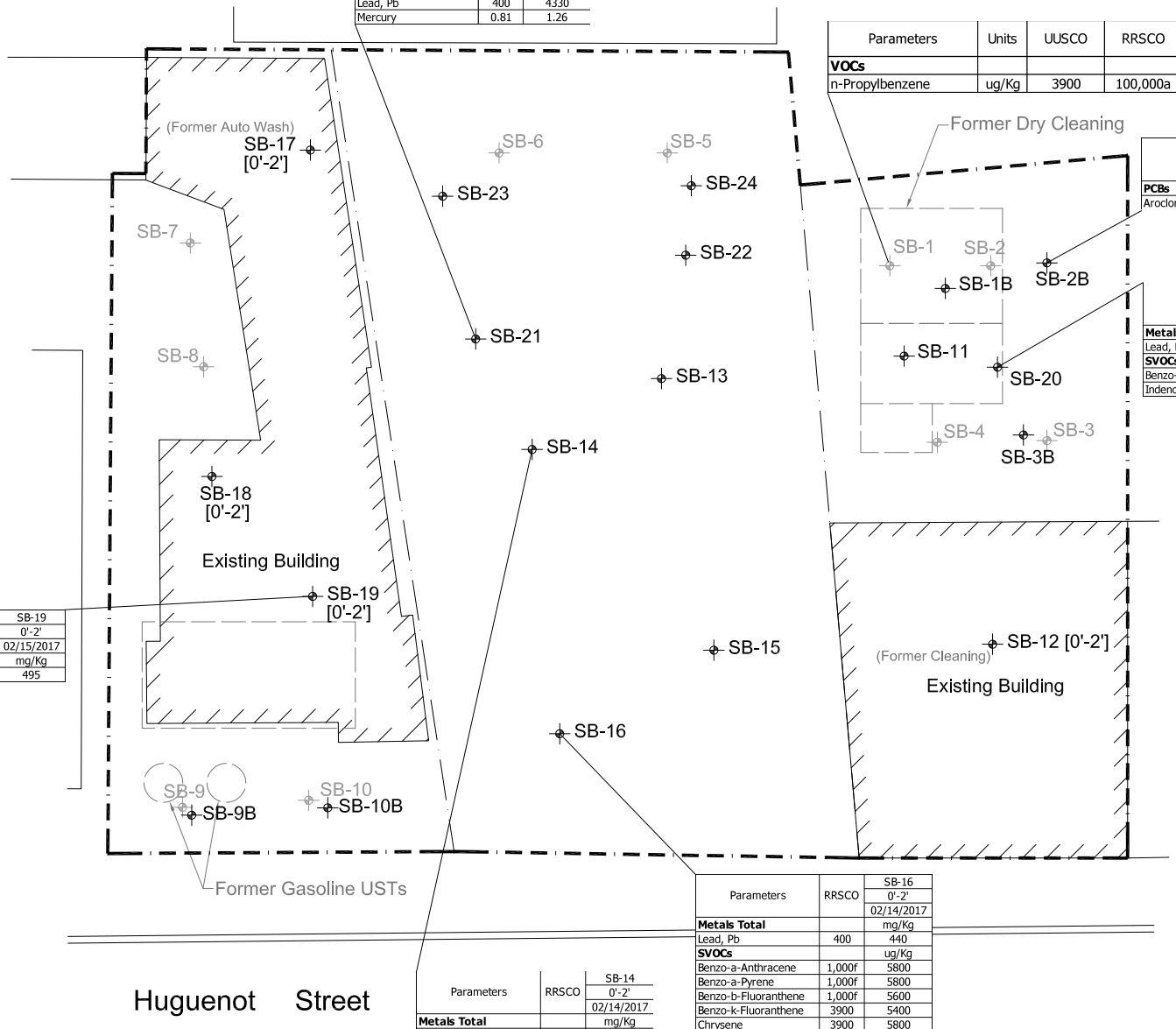
0 30 60 120 180 240 Feet

TITLE: SITE BASE MAP		Figure No. 03
PROJECT: 381-393 Huguenot Street, New Rochelle, New York		Project No. 2015-188
EIDER ENVIRONMENTAL	DESIGN: WF	1-19-2017
	CHECK	
	REVIEW	

Note:

In March 2016, CE performed a Phase II ESA at the Subject Property. The soil samples showed several target VOC/SVOCs at levels above the Unrestricted Use Soil Cleanup Objectives. Elevated PID readings and strong petroleum odors were noted during soil sampling.

In February 2017, CE performed a Supplemental Subsurface Investigation (SSI) at the Subject Property. The SSI detected a 2-foot layer of urban fill material throughout the site. Lead (maximum 4,330 mg/Kg) was detected at levels exceeding the RRSCO (400 mg/Kg) within the urban fill layer at multiple locations. Mercury was detected at level (1.26 mg/Kg) exceeding the RRSCO (0.81 mg/Kg) at one (1) location (SB-21 [0'-2']). PCB was detected at level (3,000 ug/Kg) exceeding the RRSCO (1,000 ug/Kg) at one (1) location (SB-2B [5'-7']).



Parameters	RRSCO	SB-21 0'-2' 02/15/2017
Metals Total		mg/Kg
Lead, Pb	400	4330
Mercury	0.81	1.26

Parameters	Units	UUSCO	RRSCO	SB-1 3/3/2016
VOCs				
n-Propylbenzene	ug/Kg	3900	100,000a	4,100

Parameters	RRSCO	SB-2B 5'-7' 02/14/2017
PCBs		ug/Kg
Aroclor 1254	1000	3000

Parameters	RRSCO	SB-20 0'-2' 02/14/2017
Metals Total		mg/Kg
Lead, Pb	400	1820
SVOCs		ug/Kg
Benzo-a-Pyrene	1,000f	1100
Indeno(1,2,3-cd)Pyrene	500f	870

Parameters	RRSCO	SB-19 0'-2' 02/15/2017
Metals Total		mg/Kg
Lead, Pb	400	495

Parameters	RRSCO	SB-16 0'-2' 02/14/2017
Metals Total		mg/Kg
Lead, Pb	400	440
SVOCs		ug/Kg
Benzo-a-Anthracene	1,000f	5800
Benzo-a-Pyrene	1,000f	5800
Benzo-b-Fluoranthene	1,000f	5600
Benzo-k-Fluoranthene	3900	5400
Chrysene	3900	5800
Dibenzo-a,h-Anthracene	330e	720
Indeno(1,2,3-cd)Pyrene	500f	3500

Parameters	RRSCO	SB-14 0'-2' 02/14/2017
Metals Total		mg/Kg
Lead, Pb	400	3210

Scale in Feet: 10 5 0 10 20

Legend

- SSI Groundwater Temporary Well
- SSI Soil Sampling Point
- Site Boundary
- Phase II Groundwater Temporary Well
- Phase II Soil Sampling Point
- Phase II Soil Gas Sampling Point

TITLE: Summary of Exceedances- 2016 & 2017 Soil Sampling Results

381-393 Huguenot Street, New Rochelle, New York

DRAWN BY:	WF	REVISED BY:		PROJECT No. 2015-188
CHECKED BY:	JC	REVISED DATE:		
DATE:	2-23-2017	APPROVED BY:		FIGURE No. 04
SCALE:	1" = 25'	FILE NAME:		

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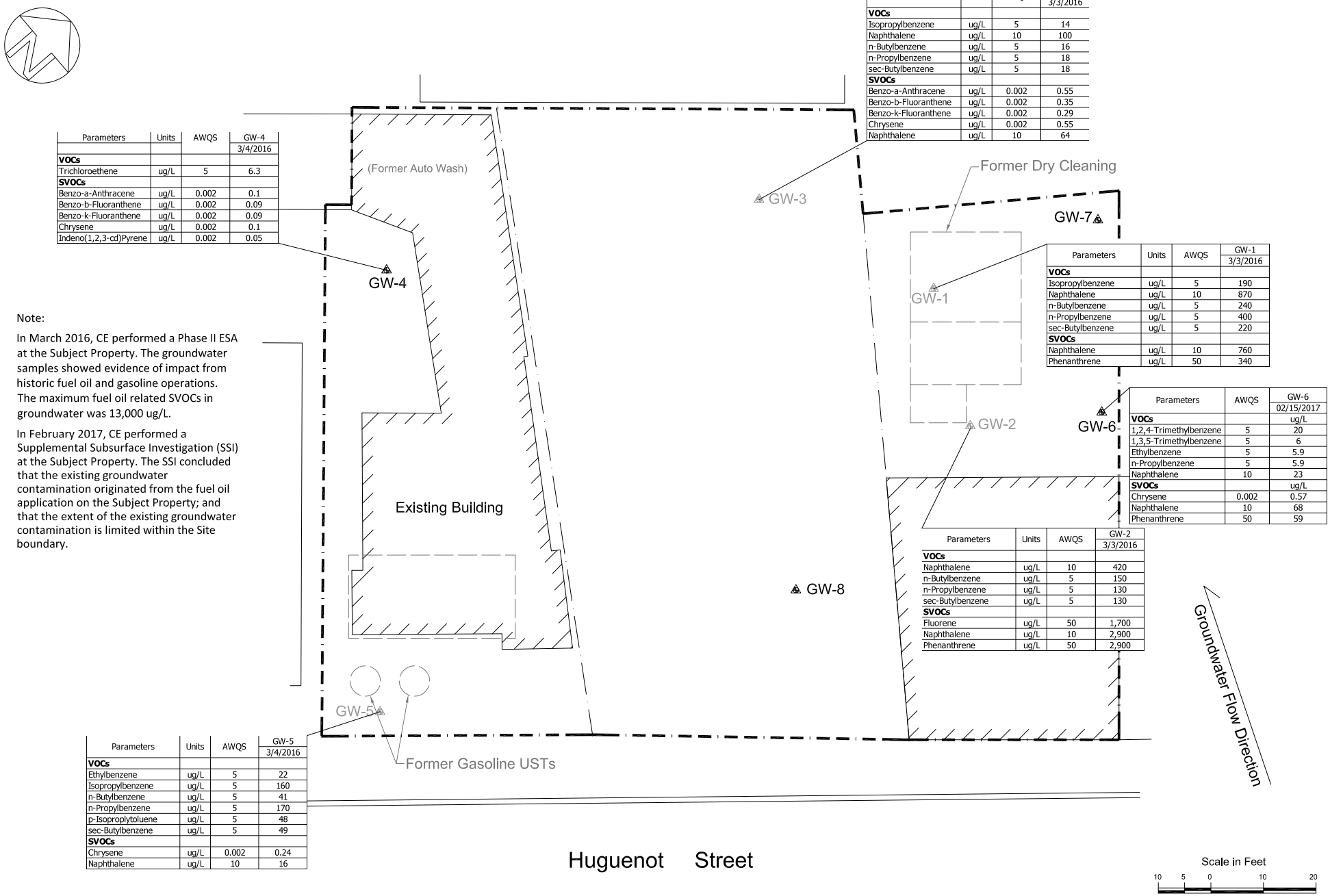

Parameters	Units	AWQS	GW-3 3/3/2016
VOCs			
Isopropylbenzene	ug/L	5	14
Naphthalene	ug/L	10	100
n-Butylbenzene	ug/L	5	16
n-Propylbenzene	ug/L	5	18
sec-Butylbenzene	ug/L	5	18
SVOCs			
Benzo-a-Anthracene	ug/L	0.002	0.55
Benzo-b-Fluoranthene	ug/L	0.002	0.35
Benzo-k-Fluoranthene	ug/L	0.002	0.29
Chrysene	ug/L	0.002	0.55
Naphthalene	ug/L	10	64

Parameters	Units	AWQS	GW-4 3/4/2016
VOCs			
Trichloroethene	ug/L	5	6.3
SVOCs			
Benzo-a-Anthracene	ug/L	0.002	0.1
Benzo-b-Fluoranthene	ug/L	0.002	0.09
Benzo-k-Fluoranthene	ug/L	0.002	0.09
Chrysene	ug/L	0.002	0.1
Indeno(1,2,3-cd)Pyrene	ug/L	0.002	0.05

Parameters	Units	AWQS	GW-1 3/3/2016
VOCs			
Isopropylbenzene	ug/L	5	190
Naphthalene	ug/L	10	870
n-Butylbenzene	ug/L	5	240
n-Propylbenzene	ug/L	5	400
sec-Butylbenzene	ug/L	5	220
SVOCs			
Naphthalene	ug/L	10	760
Phenanthrene	ug/L	50	340

Parameters	AWQS	GW-6 02/15/2017
VOCs		ug/L
1,2,4-Trimethylbenzene	5	20
1,3,5-Trimethylbenzene	5	6
Ethylbenzene	5	5.9
n-Propylbenzene	5	5.9
Naphthalene	10	23
SVOCs		ug/L
Chrysene	0.002	0.57
Naphthalene	10	68
Phenanthrene	50	59

Parameters	Units	AWQS	GW-2 3/3/2016
VOCs			
Naphthalene	ug/L	10	420
n-Butylbenzene	ug/L	5	150
n-Propylbenzene	ug/L	5	130
sec-Butylbenzene	ug/L	5	130
SVOCs			
Fluorene	ug/L	50	1,700
Naphthalene	ug/L	10	2,900
Phenanthrene	ug/L	50	2,900

Parameters	Units	AWQS	GW-5 3/4/2016
VOCs			
Ethylbenzene	ug/L	5	22
Isopropylbenzene	ug/L	5	160
n-Butylbenzene	ug/L	5	41
n-Propylbenzene	ug/L	5	170
p-Isoproplytoluene	ug/L	5	48
sec-Butylbenzene	ug/L	5	49
SVOCs			
Chrysene	ug/L	0.002	0.24
Naphthalene	ug/L	10	16

Note:

In March 2016, CE performed a Phase II ESA at the Subject Property. The groundwater samples showed evidence of impact from historic fuel oil and gasoline operations. The maximum fuel oil related SVOCs in groundwater was 13,000 ug/L.

In February 2017, CE performed a Supplemental Subsurface Investigation (SSI) at the Subject Property. The SSI concluded that the existing groundwater contamination originated from the fuel oil application on the Subject Property; and that the extent of the existing groundwater contamination is limited within the Site boundary.

Scale in Feet

10 5 0 10 20

Legend

- SSI Groundwater Temporary Well
- Phase II Groundwater Temporary Well
- Site Boundary

TITLE:
Summary of Exceedances- 2016 & 2017 Groundwater Sampling Results

381-393 Huguenot Street, New Rochelle, New York

DRAWN BY:	WF	REVISED BY:	WF	PROJECT No. 2015-188
CHECKED BY:	JC	REVISED DATE:	11-21-2018	
DATE:	2-23-2017	APPROVED BY:		FIGURE No. 05
SCALE:	1" = 25'	FILE NAME:		

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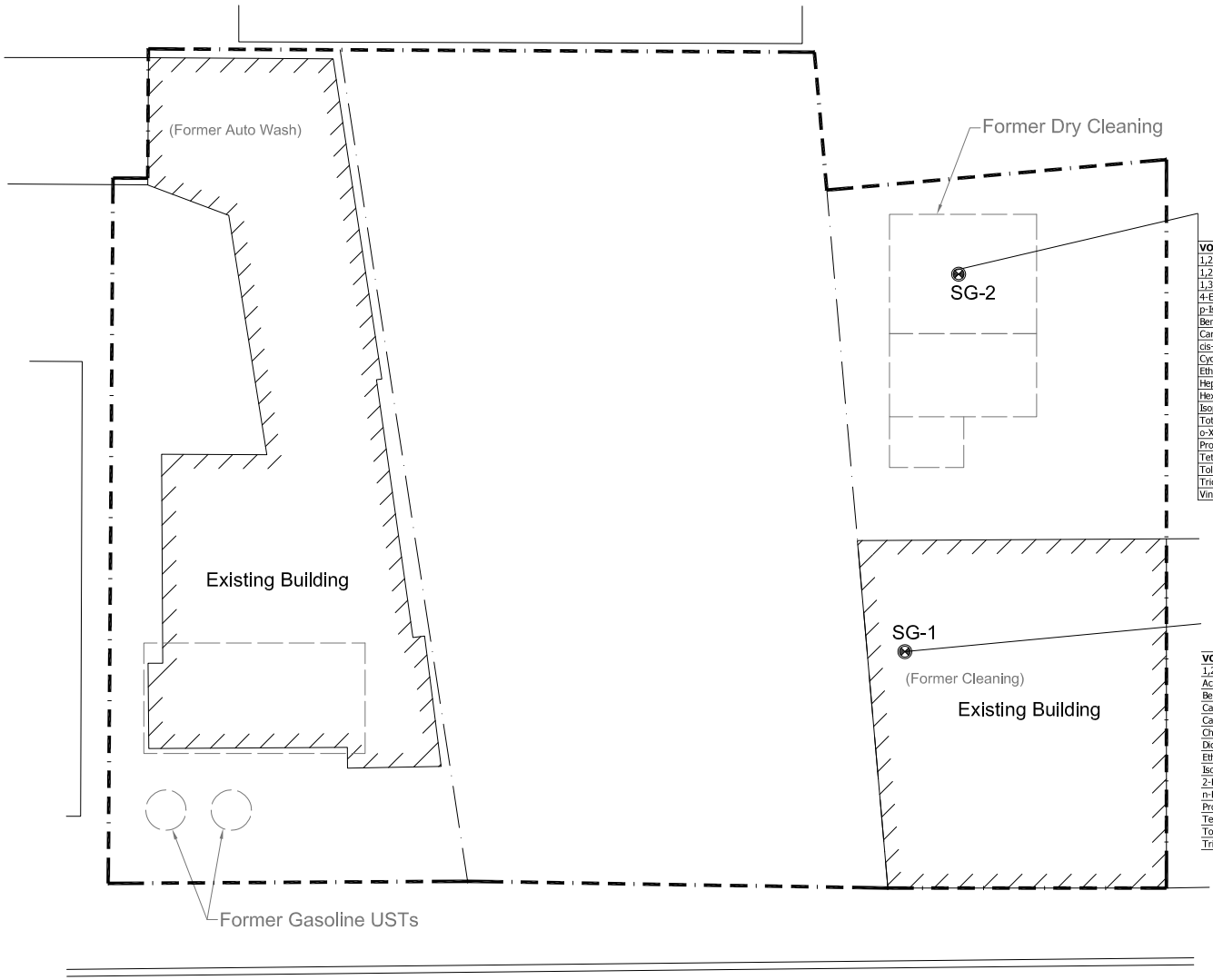

Parameters	DOH Actoin Level	SG-2
		3/3/2016
VOCs		ug/m3
1,2,4-Trichlorobenzene		19.4
1,2,4-Trimethylbenzene		988
1,3,5-Trimethylbenzene		904
4-Ethyltoluene		194
p-Isoproplytoluene		150
Benzene		23.8
Carbon Disulfide		98.3
cis-1,2-Dichloroethene	1000	18.4
Cyclohexane		513
Ethylbenzene		133
Heptane		1,480
Hexane		497
Isopropylbenzene		223
Total Xylenes		397
o-Xylene		181
Propylene		253
Tetrachloroethene	300	4.37
Toluene		35.7
Trichloroethene	20	14.3
Vinyl Chloride	250	74.6

Parameters	DOH Actoin Level	SG-1
		3/3/2016
VOCs		ug/m3
1,2,4-Trimethylbenzene		1.07
Acetone		11.3
Benzene		1.78
Carbon Disulfide		1.39
Carbon Tetrachloride	250	0.28
Chloroform		13.4
Dichlorodifluoromethane		1.73
Ethanol		3.58
Isopropylalcohol		3.34
2-Butanone		1.17
n-Butylbenzene		1.05
Propylene		2.99
Tetrachloroethene	300	1.02
Toluene		1.52
Trichlorofluoromethane		1.44

Note:

In March 2016, CE performed a Phase II ESA at the Subject Property. The soil gas samples detected several gasoline related compounds and dry cleaning operation related compounds.

Huguenot Street

Scale in Feet

10 5 0 10 20

Legend

- Soil Gas Sampling Point
- Site Boundary

TITLE: 2016 Soil Gas Sampling Results

381-393 Huguenot Street, New Rochelle, New York

DRAWN BY:	WF	REVISED BY:		PROJECT No. 2015-188
CHECKED BY:	JC	REVISED DATE:		
DATE:	2-23-2017	APPROVED BY:		FIGURE No. 06
SCALE:	1" = 25'	FILE NAME:		

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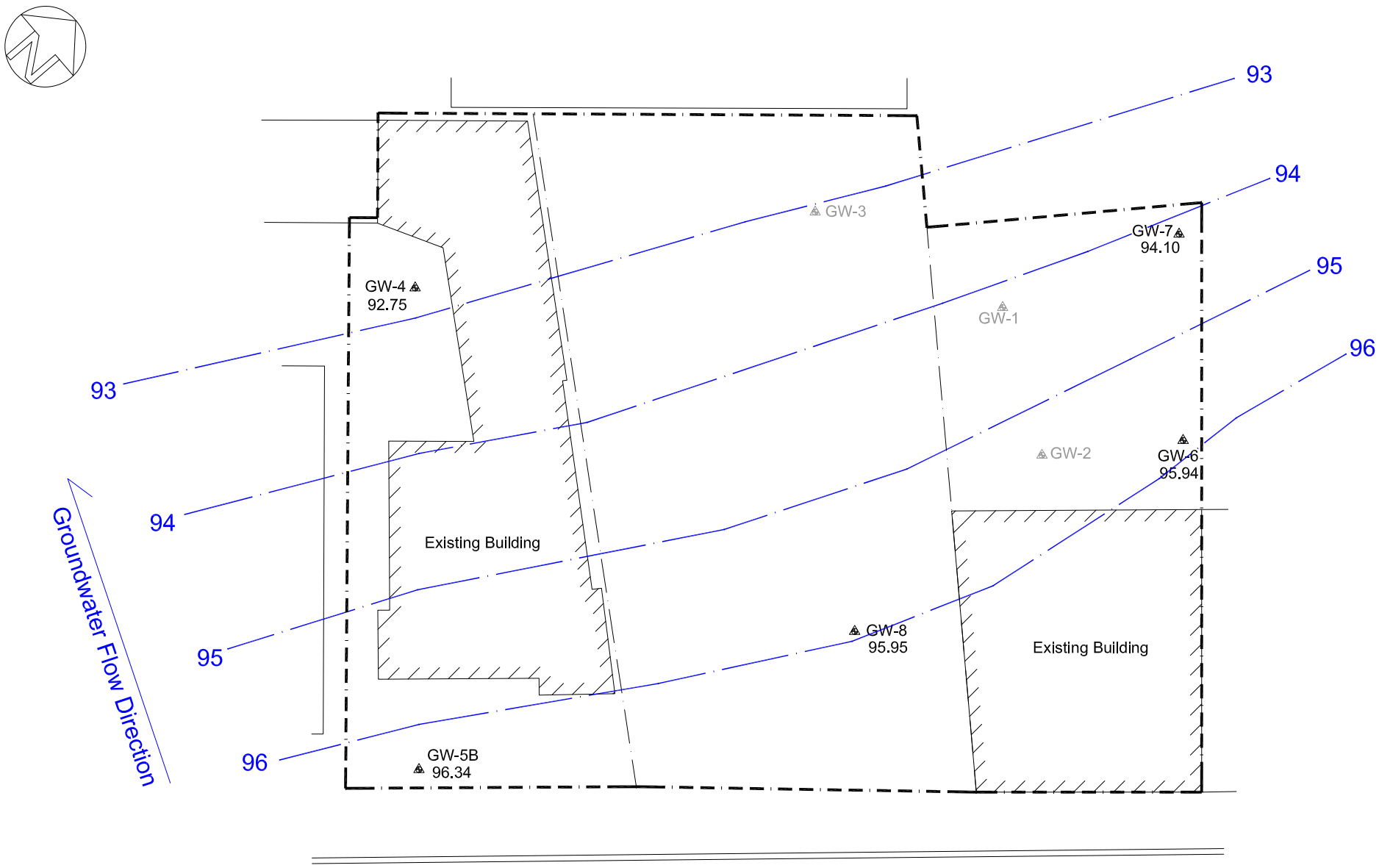

MW ID	Top of Casing	ROD1	ROD2	Depth to Water	GW Elevation
	(ft)	(ft)	(ft)	(ft)	(ft)
GW-4	100.00	7.03		7.25	92.75
GW-5B	104.38	2.65	4.38	8.04	96.34
GW-8	104.05	4.71	1.75	8.10	95.95
GW-7	101.64	4.16	4.94	7.54	94.10
GW-6	102.48	4.10		6.54	95.94

Note:
1. Set arbitrary elevation of 100 feet at top of casing of GW-4
2. Survey was performed on 2/15/2017 by CE

Huguenot Street

Scale in Feet
10 5 0 10 20

Legend
- Groundwater Temporary Well
- Former Groundwater Temporary Well
- Site Boundary

TITLE: 2017 Groundwater Potentiometric Map

381-393 Huguenot Street, New Rochelle, New York

DRAWN BY:	WF	REVISED BY:		PROJECT No. 2015-188
CHECKED BY:	JC	REVISED DATE:		
DATE:	2-23-2017	APPROVED BY:		FIGURE No. 07
SCALE:	1" = 25'	FILE NAME:		

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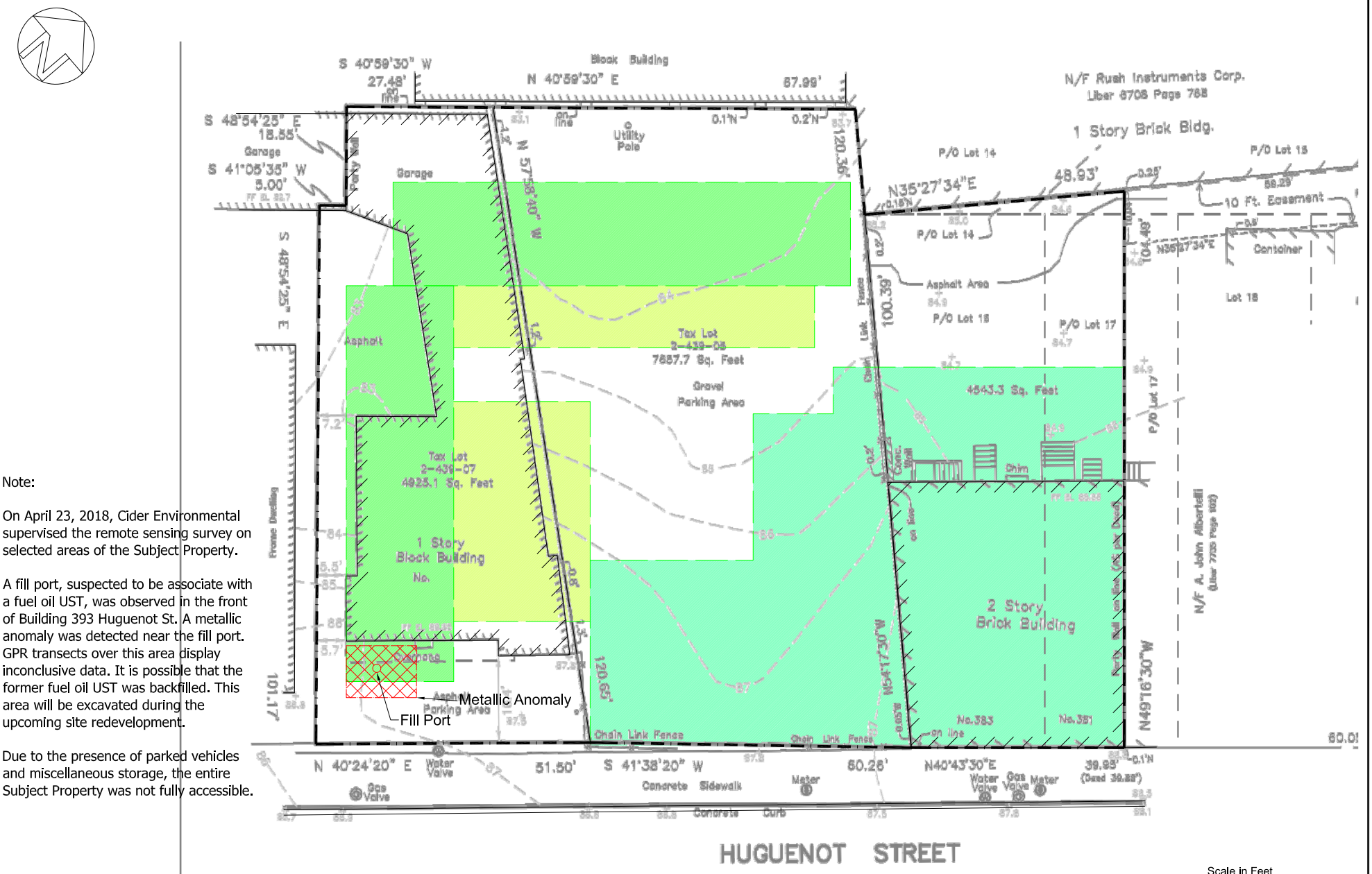

Note:

On April 23, 2018, Cider Environmental supervised the remote sensing survey on selected areas of the Subject Property.

A fill port, suspected to be associate with a fuel oil UST, was observed in the front of Building 393 Huguenot St. A metallic anomaly was detected near the fill port. GPR transects over this area display inconclusive data. It is possible that the former fuel oil UST was backfilled. This area will be excavated during the upcoming site redevelopment.

Due to the presence of parked vehicles and miscellaneous storage, the entire Subject Property was not fully accessible.

Legend

- Anomaly Detected
- Site Boundary
- Proposed Drainage Structure Area
- Proposed Parking Garage Area
- Proposed Cellar Area

Scale in Feet: 10 5 0 10 20

TITLE: RI Remote Sensing Survey Results

381-393 Huguenot Street, New Rochelle, New York

DRAWN BY:	WF	REVISED BY:		BCP Site No. C360157
CHECKED BY:	SZ	REVISED DATE:		
DATE:	5-30-2018	APPROVED BY:		FIGURE No. 08
SCALE:	1" = 25'	FILE NAME:		

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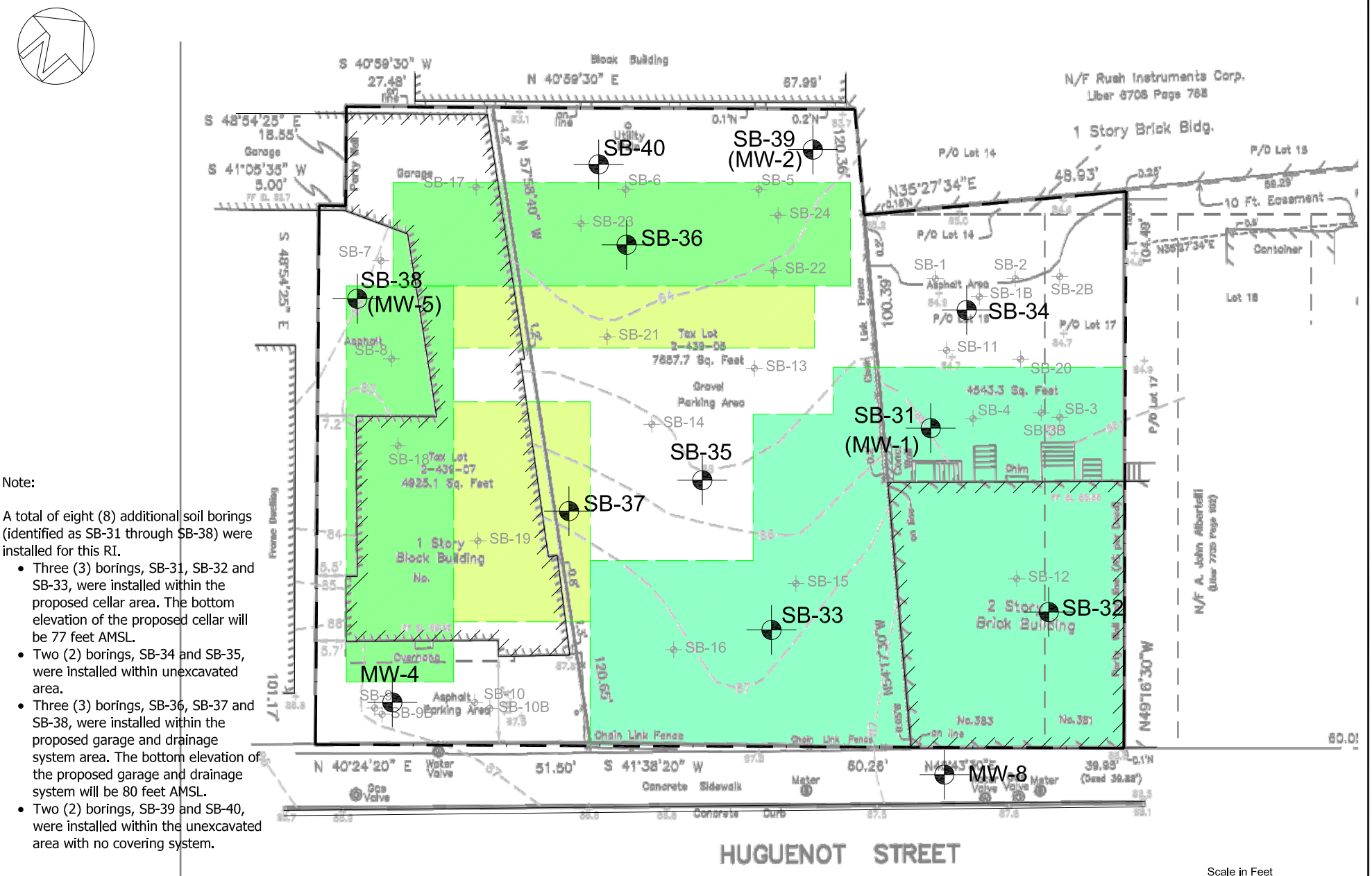

Note:

A total of eight (8) additional soil borings (identified as SB-31 through SB-38) were installed for this RI.

- Three (3) borings, SB-31, SB-32 and SB-33, were installed within the proposed cellar area. The bottom elevation of the proposed cellar will be 77 feet AMSL.
- Two (2) borings, SB-34 and SB-35, were installed within unexcavated area.
- Three (3) borings, SB-36, SB-37 and SB-38, were installed within the proposed garage and drainage system area. The bottom elevation of the proposed garage and drainage system will be 80 feet AMSL.
- Two (2) borings, SB-39 and SB-40, were installed within the unexcavated area with no covering system.

Legend

- RI Soil Sampling Location
- Previous Soil Sampling Point
- Site Boundary
- Proposed Drainage Structure Area
- Proposed Parking Garage Area
- Proposed Cellar Area

TITLE: RI Soil Sampling Locations

381-393 Huguenot Street, New Rochelle, New York

DRAWN BY:	WF	REVISED BY:		BCP Site No. C360157
CHECKED BY:	SZ	REVISED DATE:		
DATE:	5-30-2018	APPROVED BY:		FIGURE No. 09
SCALE:	1" = 25'	FILE NAME:		

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TITLE: RI Groundwater Sampling Locations

381-393 Huguenot Street, New Rochelle, New York

DRAWN BY:	WF	REVISED BY:		BCP Site No. C360157
CHECKED BY:	SZ	REVISED DATE:		
DATE:	6-5-2018	APPROVED BY:		FIGURE No. 10
SCALE:	1" = 50'	FILE NAME:		

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Note:

Access for air sampling were denied by many of the neighboring properties' owners. All objections were properly documented.

From 3/28/2018 to 3/29/2018, Cider Environmental collected one (1) sub-slab soil gas sample, two (2) indoor air samples and two (2) outdoor air samples for this RI. All samples were collected in accordance with the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH October 2006).

Scale In Feet

10 5 0 10 20 50

Legend

- RI Sub-Slab Soil Gas Sampling Location
- RI Indoor Air Sampling Location
- RI Outdoor Air Sampling Location
- Former Soil Gas Sampling Point

- Site
- Residential
- Mixed Commercial/Residential
- Commercial

TITLE: RI Air Sampling Locations

381-393 Huguenot Street, New Rochelle, New York

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DATE:	6-5-2018	APPROVED BY:		FIGURE No. 11
SCALE:	1" = 50'	FILE NAME:		

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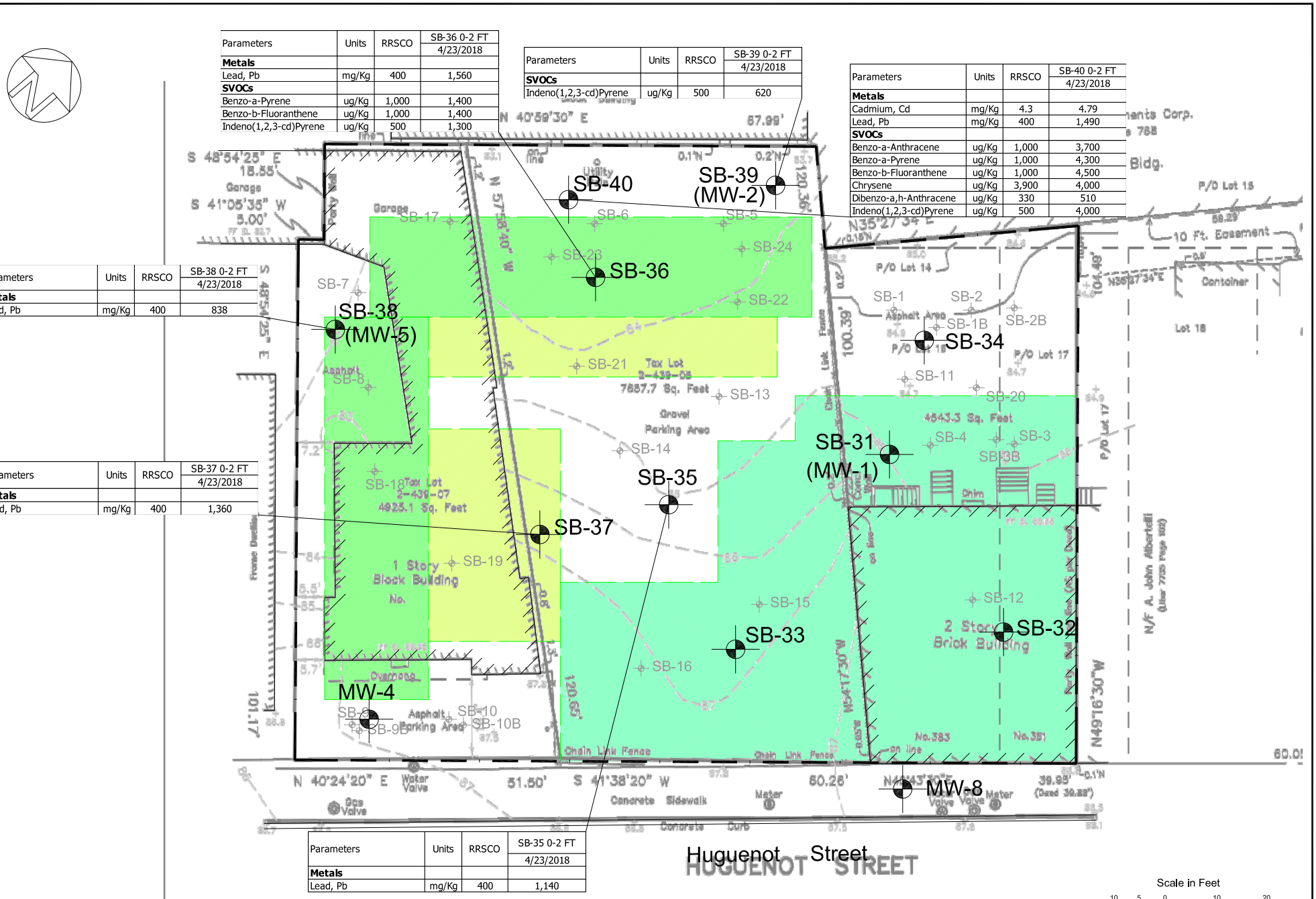

Parameters	Units	RRSCO	SB-36 0-2 FT 4/23/2018
Metals			
Lead, Pb	mg/Kg	400	1,560
SVOCs			
Benzo-a-Pyrene	ug/Kg	1,000	1,400
Benzo-b-Fluoranthene	ug/Kg	1,000	1,400
Indeno(1,2,3-cd)Pyrene	ug/Kg	500	1,300

Parameters	Units	RRSCO	SB-39 0-2 FT 4/23/2018
SVOCs			
Indeno(1,2,3-cd)Pyrene	ug/Kg	500	620

Parameters	Units	RRSCO	SB-40 0-2 FT 4/23/2018
Metals			
Cadmium, Cd	mg/Kg	4.3	4.79
Lead, Pb	mg/Kg	400	1,490
SVOCs			
Benzo-a-Anthracene	ug/Kg	1,000	3,700
Benzo-a-Pyrene	ug/Kg	1,000	4,300
Benzo-b-Fluoranthene	ug/Kg	1,000	4,500
Chrysene	ug/Kg	3,900	4,000
Dibenzo-a,h-Anthracene	ug/Kg	330	510
Indeno(1,2,3-cd)Pyrene	ug/Kg	500	4,000

Parameters	Units	RRSCO	SB-38 0-2 FT 4/23/2018
Metals			
Lead, Pb	mg/Kg	400	838

Parameters	Units	RRSCO	SB-37 0-2 FT 4/23/2018
Metals			
Lead, Pb	mg/Kg	400	1,360

Parameters	Units	RRSCO	SB-35 0-2 FT 4/23/2018
Metals			
Lead, Pb	mg/Kg	400	1,140

Legend

- RI Soil Sampling Location
- Previous Soil Sampling Point
- Site Boundary
- Proposed Drainage Structure Area
- Proposed Parking Garage Area
- Proposed Cellar Area

TITLE: Summary of Exceedances- RI Soil Sampling Results

381-393 Huguenot Street, New Rochelle, New York

DRAWN BY:	WF	REVISED BY:		BCP Site No. C360157
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DATE:	5-30-2018	APPROVED BY:		FIGURE No. 12
SCALE:	1" = 25'	FILE NAME:		

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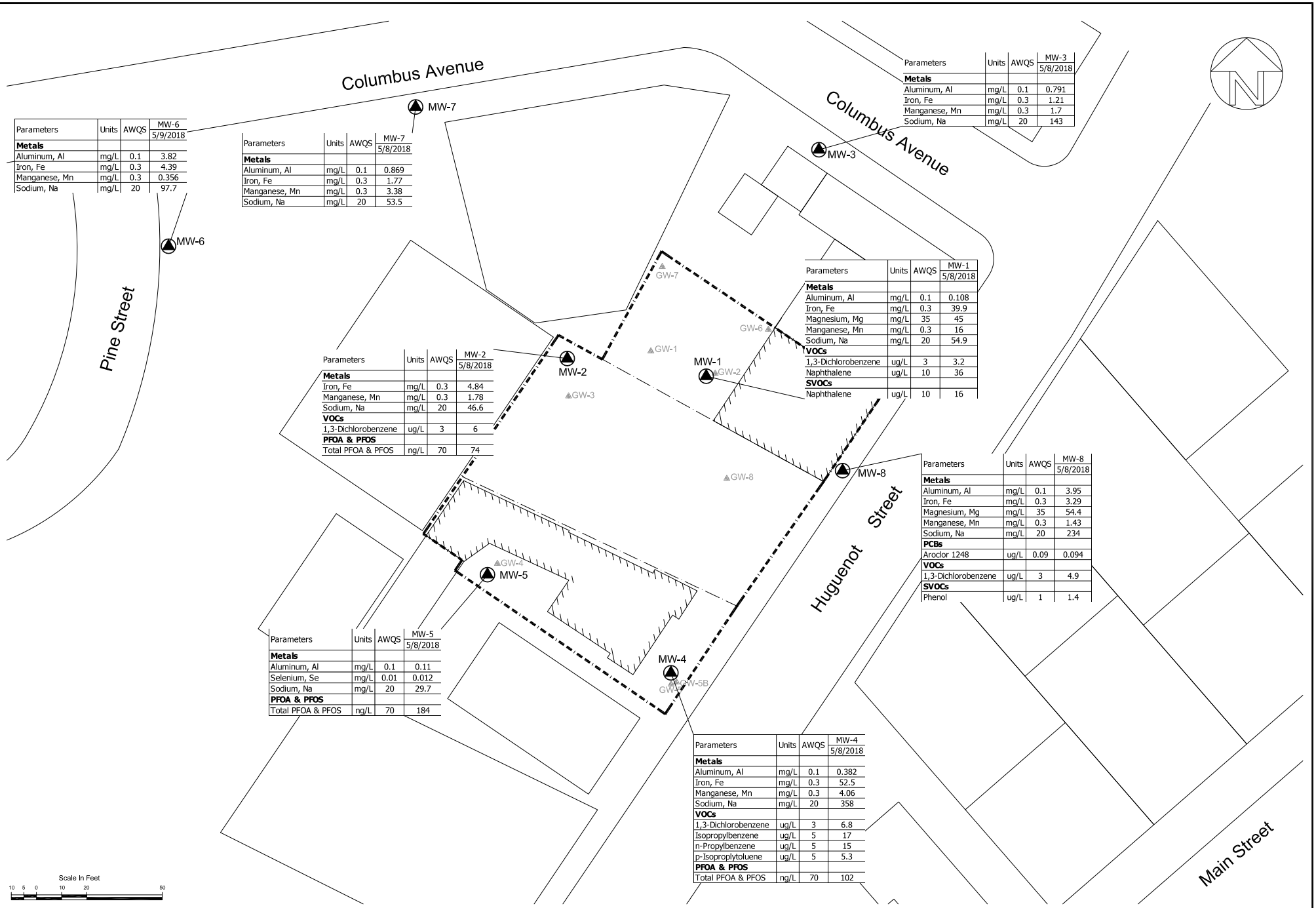

Parameters	Units	AWQS	MW-6 5/9/2018
Metals			
Aluminum, Al	mg/L	0.1	3.82
Iron, Fe	mg/L	0.3	4.39
Manganese, Mn	mg/L	0.3	0.356
Sodium, Na	mg/L	20	97.7

Parameters	Units	AWQS	MW-7 5/8/2018
Metals			
Aluminum, Al	mg/L	0.1	0.869
Iron, Fe	mg/L	0.3	1.77
Manganese, Mn	mg/L	0.3	3.38
Sodium, Na	mg/L	20	53.5

Parameters	Units	AWQS	MW-3 5/8/2018
Metals			
Aluminum, Al	mg/L	0.1	0.791
Iron, Fe	mg/L	0.3	1.21
Manganese, Mn	mg/L	0.3	1.7
Sodium, Na	mg/L	20	143

Parameters	Units	AWQS	MW-1 5/8/2018
Metals			
Aluminum, Al	mg/L	0.1	0.108
Iron, Fe	mg/L	0.3	39.9
Magnesium, Mg	mg/L	35	45
Manganese, Mn	mg/L	0.3	16
Sodium, Na	mg/L	20	54.9
VOCs			
1,3-Dichlorobenzene	ug/L	3	3.2
Naphthalene	ug/L	10	36
SVOCs			
Naphthalene	ug/L	10	16

Parameters	Units	AWQS	MW-2 5/8/2018
Metals			
Iron, Fe	mg/L	0.3	4.84
Manganese, Mn	mg/L	0.3	1.78
Sodium, Na	mg/L	20	46.6
VOCs			
1,3-Dichlorobenzene	ug/L	3	6
PFOA & PFOS			
Total PFOA & PFOS	ng/L	70	74

Parameters	Units	AWQS	MW-8 5/8/2018
Metals			
Aluminum, Al	mg/L	0.1	3.95
Iron, Fe	mg/L	0.3	3.29
Magnesium, Mg	mg/L	35	54.4
Manganese, Mn	mg/L	0.3	1.43
Sodium, Na	mg/L	20	234
PCBs			
Aroclor 1248	ug/L	0.09	0.094
VOCs			
1,3-Dichlorobenzene	ug/L	3	4.9
SVOCs			
Phenol	ug/L	1	1.4

Parameters	Units	AWQS	MW-5 5/8/2018
Metals			
Aluminum, Al	mg/L	0.1	0.11
Selenium, Se	mg/L	0.01	0.012
Sodium, Na	mg/L	20	29.7
PFOA & PFOS			
Total PFOA & PFOS	ng/L	70	184

Parameters	Units	AWQS	MW-4 5/8/2018
Metals			
Aluminum, Al	mg/L	0.1	0.382
Iron, Fe	mg/L	0.3	52.5
Manganese, Mn	mg/L	0.3	4.06
Sodium, Na	mg/L	20	358
VOCs			
1,3-Dichlorobenzene	ug/L	3	6.8
Isopropylbenzene	ug/L	5	17
n-Propylbenzene	ug/L	5	15
p-Isoproplytoluene	ug/L	5	5.3
PFOA & PFOS			
Total PFOA & PFOS	ng/L	70	102

TITLE:
Summary of Exceedances- RI Groundwater Sampling Results

381-393 Huguenot Street, New Rochelle, New York

DRAWN BY:	WF	REVISED BY:	WF	BCP Site No. C360157
CHECKED BY:	SZ	REVISED DATE:	9-18-2018	
DATE:	6-5-2018	APPROVED BY:		FIGURE No. 13
SCALE:	1" = 50'	FILE NAME:		

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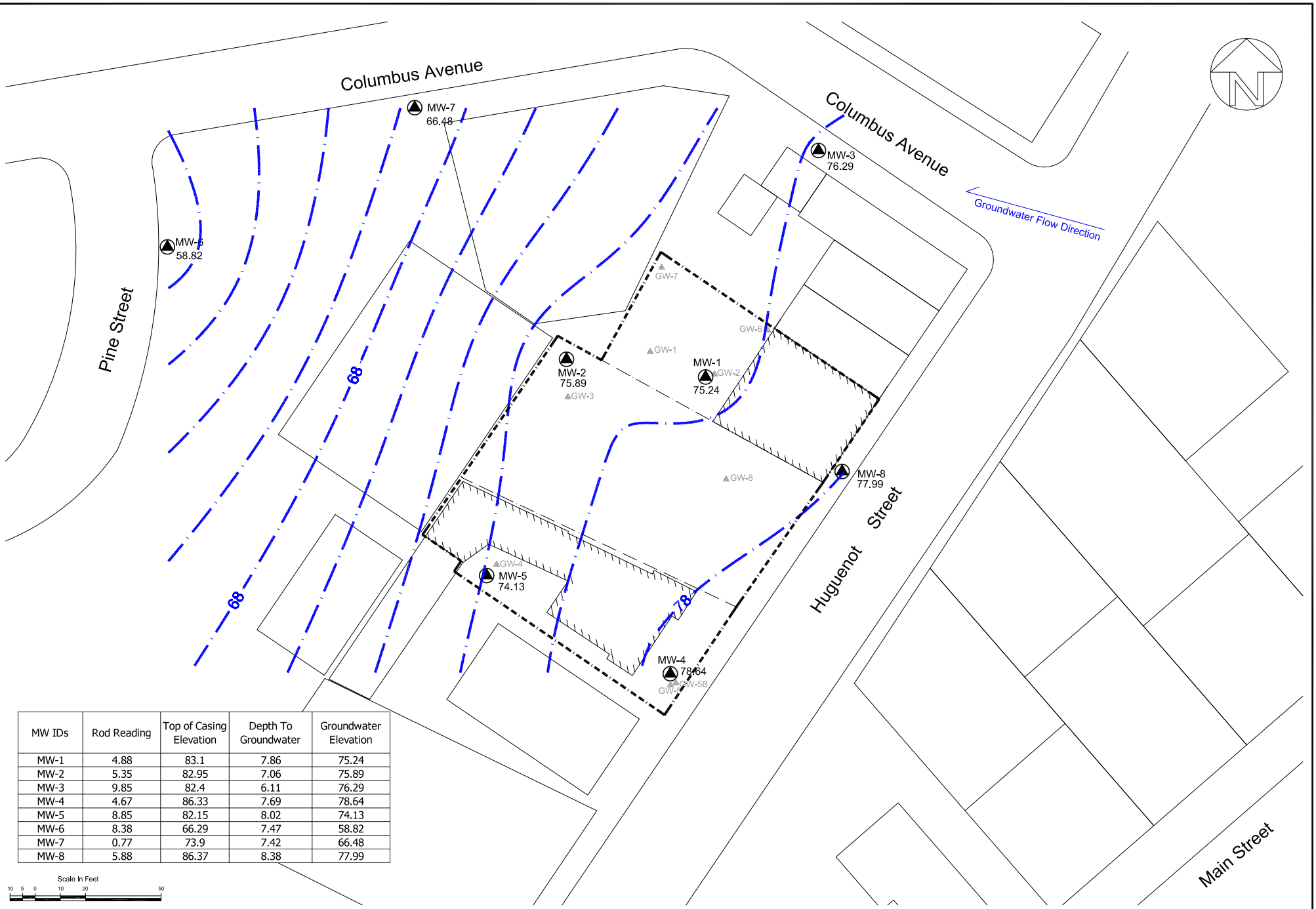

MW IDs	Rod Reading	Top of Casing Elevation	Depth To Groundwater	Groundwater Elevation
MW-1	4.88	83.1	7.86	75.24
MW-2	5.35	82.95	7.06	75.89
MW-3	9.85	82.4	6.11	76.29
MW-4	4.67	86.33	7.69	78.64
MW-5	8.85	82.15	8.02	74.13
MW-6	8.38	66.29	7.47	58.82
MW-7	0.77	73.9	7.42	66.48
MW-8	5.88	86.37	8.38	77.99

Scale In Feet

10 5 0 10 20 50

Legend

- RI Groundwater Monitoring Wells
- Former Groundwater Temporary Well
- Site

Note:
On May 8, 2018, a groundwater elevation survey was performed to determine the groundwater flow direction as part of the RI.

TITLE: RI Groundwater Potentiometric Map

381-393 Huguenot Street, New Rochelle, New York

DRAWN BY:	WF	REVISED BY:		BCP Site No. C360157
CHECKED BY:	SZ	REVISED DATE:		
DATE:	6-5-2018	APPROVED BY:		FIGURE No. 14
SCALE:	1" = 50'	FILE NAME:		

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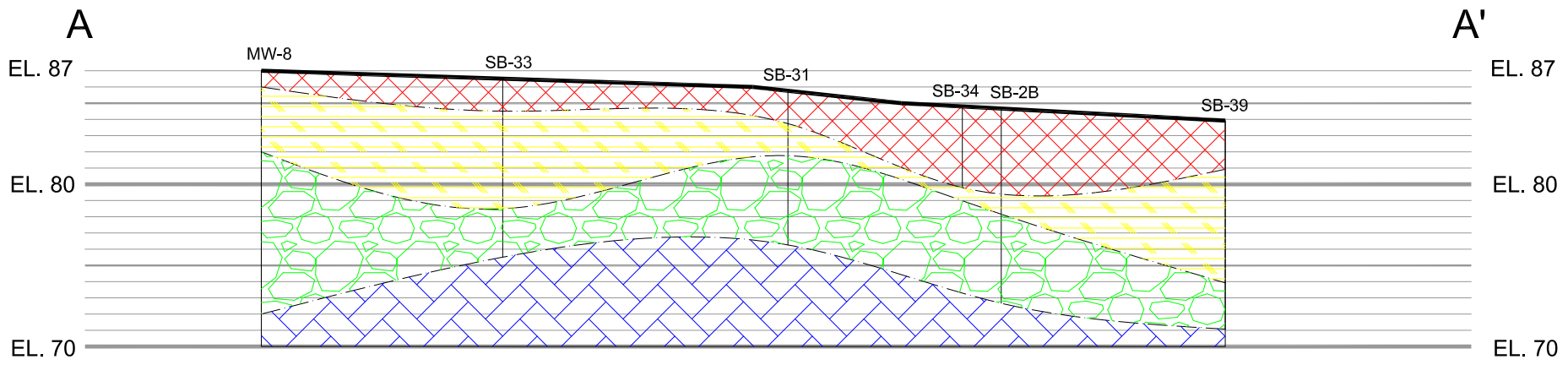

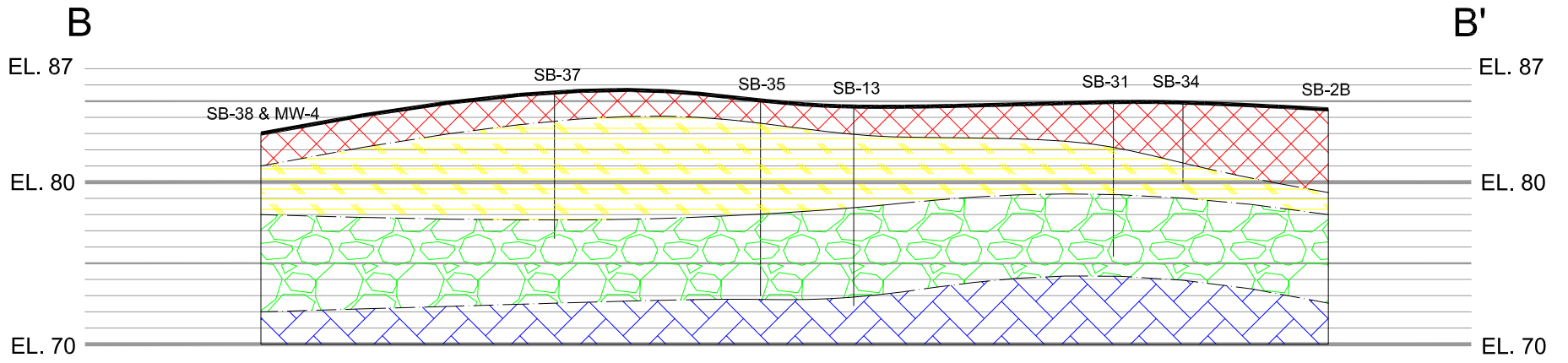

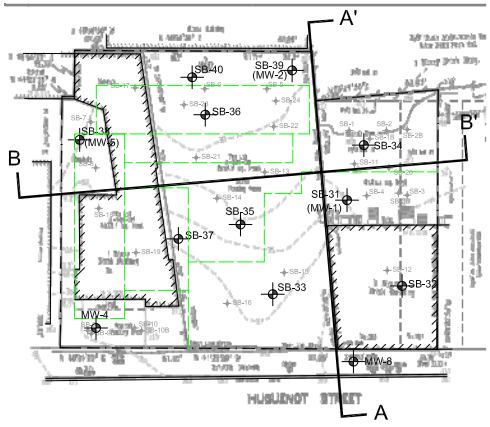

Legend

- 2018 RI Soil Sampling Location
- 2016 / 2017 Soil Sampling Point
- Urban Fill
- Weathered Bedrock
- Native Soil
- Solid Bedrock

Note:
Based on soil boring data from Phase II Environmental Site Assessment (2016), Supplemental Subsurface Investigation (2017), and Remedial Investigation (2018).

TITLE: Site Physical Setting

381-393 Huguenot Street, New Rochelle, New York

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DATE:	5-30-2018	APPROVED BY:		FIGURE No. 15
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TABLES

Table 1: Summary of 2016 Soil Sampling Results
383-391 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Units	NYCRR 375	NYCRR 375	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8	SB-9	SB-10
	Sample Date		Unrestricted	Restricted-	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016
	CAS		Use	Residential	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatiles By SW8260C														
1,1,1,2-Tetrachloroethane	630-20-6	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,1,1-Trichloroethane	71-55-6	µg/Kg	680	100,000a	< 1300	< 1100	< 250	< 640	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,1,2,2-Tetrachloroethane	79-34-5	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,1,2-Trichloroethane	79-00-5	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,1-Dichloroethane	75-34-3	µg/Kg	270	26000	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,1-Dichloroethene	75-35-4	µg/Kg	330	100,000a	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,1-Dichloropropene	563-58-6	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,2,3-Trichlorobenzene	87-61-6	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,2,3-Trichloropropane	96-18-4	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,2,4-Trichlorobenzene	120-82-1	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,2,4-Trimethylbenzene	95-63-6	µg/Kg	3600	52000	< 1300	< 1100	1,400	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,2-Dibromo-3-Chloropropane	96-12-8	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,2-Dibromoethane	106-93-4	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,2-Dichlorobenzene	95-50-1	µg/Kg	1100	100,000a	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,2-Dichloroethane	107-06-2	µg/Kg	20c	3100	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,2-Dichloropropane	78-87-5	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,3,5-Trimethylbenzene	108-67-8	µg/Kg	8400	52000	< 1300	< 1100	230	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,3-Dichlorobenzene	541-73-1	µg/Kg	2400	49000	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,3-Dichloropropane	142-28-9	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
1,4-Dichlorobenzene	106-46-7	µg/Kg	1800	13000	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
2,2-Dichloropropane	594-20-7	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
2-Chlorotoluene	95-49-8	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
2-Hexanone	591-78-6	µg/Kg	NA	NA	< 1300	< 5700	< 1300	< 1300	< 25	< 12	< 21	< 17	< 3500	< 980
2-Isopropyltoluene	527-84-4	µg/Kg	NA	NA	1,400	< 1100	< 250	530	17	< 2.5	< 4.1	< 3.4	< 700	960
4-Chlorotoluene	106-43-4	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Methyl Isobutyl Ketone	108-10-1	µg/Kg	NA	NA	< 6500	< 5700	< 1300	< 1300	< 25	< 12	< 21	< 17	< 3500	< 980
Acetone	67-64-1	µg/Kg	50	100,000b	< 6500	< 5700	< 1300	< 1300	< 25	< 12	< 21	< 17	< 3500	< 980
Acrylonitrile	107-13-1	µg/Kg	NA	NA	< 1300	< 2300	< 510	< 250	< 9.9	< 4.9	< 8.3	< 6.7	< 700	< 390
Benzene	71-43-2	µg/Kg	60	4800	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Bromobenzene	108-86-1	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Bromochloromethane	74-97-5	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Bromodichloromethane	75-27-4	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Bromoform	75-25-2	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Bromomethane	74-83-9	µg/Kg	NA	NA	< 2600	< 1100	< 250	< 510	< 4.9	< 2.5	< 4.1	< 3.4	< 1400	< 200
Carbon Disulfide	75-15-0	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Carbon Tetrachloride	56-23-5	µg/Kg	760	2400	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Chlorobenzene	108-90-7	µg/Kg	1100	100,000a	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Chloroethane	75-00-3	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Chloroform	67-66-3	µg/Kg	370	49000	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Chloromethane	74-87-3	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
cis-1,2-Dichloroethene	156-59-2	µg/Kg	250	100,000a	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
cis-1,3-Dichloropropene	10061-01-5	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Chlorodibromomethane	124-48-1	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Dibromomethane	74-95-3	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Dichlorodifluoromethane	75-71-8	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Ethylbenzene	100-41-4	µg/Kg	1000	41000	< 1300	< 1100	340	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	270
Hexachlorobutadiene	87-68-3	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200

Table 1: Summary of 2016 Soil Sampling Results
383-391 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Units	NYCRR 375 Unrestricted	NYCRR 375 Restricted-	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8	SB-9	SB-10
	Sample Date				3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/4/2016	3/4/2016	3/4/2016	3/4/2016
	CAS		Use	Residential	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Isopropylbenzene	98-82-8	µg/Kg	NA	NA	1,800	< 1100	220	590	7.3	< 2.5	< 4.1	< 3.4	1,400	2,300
m&p-Xylene	179601-23-1	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
2-Butanone	78-93-3	µg/Kg	NA	100,000a	< 1300	< 5700	< 1300	< 1300	< 25	< 12	< 21	< 17	< 3500	< 980
Methyl Tert-Butyl Ether	1634-04-4	µg/Kg	930	100,000a	< 1300	< 2300	< 510	< 250	< 9.9	< 4.9	< 8.3	< 6.7	< 700	< 390
Methylene Chloride	75-09-2	µg/Kg	50	100,000a	< 6500	< 2300	< 510	< 1300	< 9.9	< 4.9	< 8.3	< 6.7	< 3500	< 390
Naphthalene	91-20-3	µg/Kg	12000	100,000a	4,400	1,900	1,800	5,300	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
n-Butylbenzene	104-51-8	µg/Kg	12000	100,000a	3,200	1,100	370	2,300	31	< 2.5	< 4.1	< 3.4	900	2,200
n-Propylbenzene	103-65-1	µg/Kg	3900	100,000a	4,100	1,100	480	890	< 4.9	< 2.5	< 4.1	< 3.4	1,800	3,200
o-Xylene	95-47-6	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
p-Isoproplytoluene	99-87-6	µg/Kg	NA	NA	< 1300	< 1100	310	260	< 4.9	< 2.5	< 4.1	< 3.4	< 700	2,300
sec-Butylbenzene	135-98-8	µg/Kg	11000	100,000a	3,500	1,200	370	1,300	53	< 2.5	< 4.1	< 3.4	930	2,000
Styrene	100-42-5	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
tert-Butylbenzene	98-06-6	µg/Kg	5900	100,000a	< 1300	< 1100	< 250	< 250	8.2	< 2.5	< 4.1	< 3.4	< 700	350
Tetrachloroethene	127-18-4	µg/Kg	1300	19000	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Tetrahydrofuran	109-99-9	µg/Kg			< 3200	< 2300	< 510	< 250	< 9.9	< 4.9	< 8.3	< 6.7	< 1800	< 390
Toluene	108-88-3	µg/Kg	700	100,000a	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Total Xylenes	1330-20-7	µg/Kg	260	100,000a	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
trans-1,2-Dichloroethene	156-60-5	µg/Kg	190	100,000a	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
trans-1,3-Dichloropropene	10061-02-6	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
trans-1,4-dichloro-2-butene	110-57-6	µg/Kg			< 3200	< 2300	< 510	< 640	< 9.9	< 4.9	< 8.3	< 6.7	< 1800	< 390
Trichloroethene	79-01-6	µg/Kg	470	21000	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Trichlorofluoromethane	75-69-4	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Trichlorotrifluoroethane	76-13-1	µg/Kg	NA	NA	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Vinyl Chloride	75-01-4	µg/Kg	20	900	< 1300	< 1100	< 250	< 250	< 4.9	< 2.5	< 4.1	< 3.4	< 700	< 200
Semivolatiles-STARS/CP-51 By SW8270D														
Acenaphthene	83-32-9	µg/Kg	20000	100,000a	710	680	1,700	1,000	< 260	< 260	< 260	< 260	< 260	< 260
Acenaphthylene	208-96-8	µg/Kg	100,000a	100,000a	< 270	320	510	< 280	< 260	< 260	< 260	< 260	< 260	< 260
Anthracene	120-12-7	µg/Kg	100,000a	100,000a	300	350	690	320	< 260	< 260	< 260	< 260	< 260	< 260
Benzo-a-Anthracene	56-55-3	µg/Kg	1,000c	1,000f	< 270	< 260	< 260	< 280	< 260	< 260	< 260	< 260	< 260	< 260
Benzo-a-Pyrene	50-32-8	µg/Kg	1,000c	1,000f	< 270	< 260	< 260	< 280	< 260	< 260	< 260	< 260	< 260	< 260
Benzo-b-Fluoranthene	205-99-2	µg/Kg	1,000c	1,000f	< 270	< 260	< 260	< 280	< 260	< 260	< 260	< 260	< 260	< 260
Benzo-g,h,i-Perylene	191-24-2	µg/Kg	100000	100,000a	< 270	< 260	< 260	< 280	< 260	< 260	< 260	< 260	< 260	< 260
Benzo-k-Fluoranthene	207-08-9	µg/Kg	800c	3900	< 270	< 260	< 260	< 280	< 260	< 260	< 260	< 260	< 260	< 260
Chrysene	218-01-9	µg/Kg	1,000c	3900	< 270	< 260	< 260	< 280	< 260	< 260	< 260	< 260	< 260	< 260
Dibenzo-a,h-Anthracene	53-70-3	µg/Kg	330b	330e	< 270	< 260	< 260	< 280	< 260	< 260	< 260	< 260	< 260	< 260
Fluoranthene	206-44-0	µg/Kg	100000	100,000a	360	< 260	< 260	< 280	< 260	< 260	< 260	< 260	< 260	< 260
Fluorene	86-73-7	µg/Kg	30000	100,000a	960	1,200	1,900	1,600	< 260	< 260	< 260	< 260	< 260	< 260
Indeno(1,2,3-cd)Pyrene	193-39-5	µg/Kg	500c	500f	< 270	< 260	< 260	< 280	< 260	< 260	< 260	< 260	< 260	< 260
Naphthalene	91-20-3	µg/Kg	12000	100,000a	3,100	6,100	3,500	2,400	< 260	< 260	< 260	< 260	< 260	< 260
Phenanthrene	85-01-8	µg/Kg	100000	100,000a	2,800	3,200	6,700	2,500	< 260	< 260	< 260	< 260	< 260	< 260
Pyrene	129-00-0	µg/Kg	100000	100,000a	450	< 260	400	< 280	< 260	< 260	< 260	< 260	< 260	< 260

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: Summary of 2016 Groundwater Sampling Results
383-391 Huguenot Street, New Rochelle, New York

Parameters	Sample ID / Sample Date / CAS	Units	NYSDEC TOGS 1.1.1. AWQS	GW-1 3/3/2016 Result	GW-2 3/3/2016 Result	GW-3 3/3/2016 Result	GW-4 3/4/2016 Result	GW-5 3/4/2016 Result
Volatiles By SW8260C								
1,1,1,2-Tetrachloroethane	630-20-6	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
1,1,1-Trichloroethane	71-55-6	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
1,1,2,2-Tetrachloroethane	79-34-5	µg/L	5	< 50	< 50	< 5.0	< 0.50	< 10
1,1,2-Trichloroethane	79-00-5	µg/L	1	< 100	< 100	< 10	< 1.0	< 20
1,1-Dichloroethane	75-34-3	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
1,1-Dichloroethene	75-35-4	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
1,1-Dichloropropene	563-58-6	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
1,2,3-Trichlorobenzene	87-61-6	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
1,2,3-Trichloropropane	96-18-4	µg/L	0.04	< 100	< 100	< 10	< 1.0	< 20
1,2,4-Trichlorobenzene	120-82-1	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
1,2,4-Trimethylbenzene	95-63-6	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
1,2-Dibromo-3-Chloropropane	96-12-8	µg/L	0.04	< 100	< 100	< 10	< 1.0	< 20
1,2-Dibromoethane	106-93-4	µg/L	0.0006	< 100	< 100	< 10	< 1.0	< 20
1,2-Dichlorobenzene	95-50-1	µg/L	3	< 100	< 100	< 10	< 1.0	< 20
1,2-Dichloroethane	107-06-2	µg/L	0.6	< 60	< 60	< 6.0	< 0.60	< 12
1,2-Dichloropropane	78-87-5	µg/L	1	< 100	< 100	< 10	< 1.0	< 20
1,3,5-Trimethylbenzene	108-67-8	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
1,3-Dichlorobenzene	541-73-1	µg/L	3	< 100	< 100	< 10	< 1.0	< 20
1,3-Dichloropropane	142-28-9	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
1,4-Dichlorobenzene	106-46-7	µg/L	3	< 100	< 100	< 10	< 1.0	< 20
2,2-Dichloropropane	594-20-7	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
2-Chlorotoluene	95-49-8	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
2-Hexanone	591-78-6	µg/L	50	< 500	< 500	< 50	< 5.0	< 100
2-Isopropyltoluene	527-84-4	µg/L	NA	100	< 100	< 10	< 1.0	24
4-Chlorotoluene	106-43-4	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
Methyl Isobutyl Ketone	108-10-1	µg/L	NA	< 500	< 500	< 50	< 5.0	< 100
Acetone	67-64-1	µg/L	50	< 2500	< 2500	< 250	< 25	< 500
Acrylonitrile	107-13-1	µg/L	5	< 500	< 500	< 50	< 5.0	< 100
Benzene	71-43-2	µg/L	1	< 70	< 70	< 7.0	< 0.70	< 14
Bromobenzene	108-86-1	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
Bromochloromethane	74-97-5	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
Bromodichloromethane	75-27-4	µg/L	50	< 50	< 50	< 5.0	< 0.50	< 10
Bromoform	75-25-2	µg/L	50	< 100	< 100	< 10	< 1.0	< 20
Bromomethane	74-83-9	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
Carbon Disulfide	75-15-0	µg/L	60	< 500	< 500	< 50	< 5.0	< 100
Carbon Tetrachloride	56-23-5	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
Chlorobenzene	108-90-7	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
Chloroethane	75-00-3	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
Chloroform	67-66-3	µg/L	7	< 100	< 100	< 10	< 1.0	< 20
Chloromethane	74-87-3	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
cis-1,2-Dichloroethene	156-59-2	µg/L	5	< 100	< 100	< 10	1.2	< 20
cis-1,3-Dichloropropene	10061-01-5	µg/L	0.4	< 40	< 40	< 4.0	< 0.40	< 8.0
Chlorodibromomethane	124-48-1	µg/L	50	< 50	< 50	< 5.0	< 0.50	< 10
Dibromomethane	74-95-3	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
Dichlorodifluoromethane	75-71-8	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
Ethylbenzene	100-41-4	µg/L	5	< 100	< 100	< 10	< 1.0	22
Hexachlorobutadiene	87-68-3	µg/L	0.01	< 40	< 40	< 4.0	< 0.40	< 8.0
Isopropylbenzene	98-82-8	µg/L	5	190	< 100	14	< 1.0	160
m&p-Xylene	179601-23-1	µg/L	NA	< 100	< 100	< 10	< 1.0	< 20
2-Butanone	78-93-3	µg/L	50	< 500	< 500	< 50	< 5.0	< 100
Methyl Tert-Butyl Ether	1634-04-4	µg/L	10	< 100	< 100	< 10	1.5	< 20
Methylene Chloride	75-09-2	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
Naphthalene	91-20-3	µg/L	10	870	420	100	< 1.0	< 20
n-Butylbenzene	104-51-8	µg/L	5	240	150	16	< 1.0	41
n-Propylbenzene	103-65-1	µg/L	5	400	130	18	< 1.0	170
o-Xylene	95-47-6	µg/L	NA	< 100	< 100	< 10	< 1.0	< 20
p-Isoproplytoluene	99-87-6	µg/L	5	< 100	< 100	< 10	< 1.0	48
sec-Butylbenzene	135-98-8	µg/L	5	220	130	18	< 1.0	49
Styrene	100-42-5	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
tert-Butylbenzene	98-06-6	µg/L	NA	< 100	< 100	< 10	< 1.0	< 20
Tetrachloroethene	127-18-4	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
Tetrahydrofuran	109-99-9	µg/L	50	< 250	< 250	< 25	< 2.5	< 50
Toluene	108-88-3	µg/L	5	< 100	< 100	< 10	< 1.0	< 20

Table 2: Summary of 2016 Groundwater Sampling Results
383-391 Huguenot Street, New Rochelle, New York

Parameters	Sample ID / Sample Date / CAS	Units	NYSDEC TOGS 1.1.1. AWQS	GW-1 3/3/2016 Result	GW-2 3/3/2016 Result	GW-3 3/3/2016 Result	GW-4 3/4/2016 Result	GW-5 3/4/2016 Result
Total Xylenes	1330-20-7	µg/L	15	< 100	< 100	< 10	< 1.0	< 20
trans-1,2-Dichloroethene	156-60-5	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
trans-1,3-Dichloropropene	10061-02-6	µg/L	0.4	< 40	< 40	< 4.0	< 0.40	< 8.0
trans-1,4-dichloro-2-butene	110-57-6	µg/L	5	< 500	< 500	< 50	< 5.0	< 100
Trichloroethene	79-01-6	µg/L	5	< 100	< 100	< 10	6.3	< 20
Trichlorofluoromethane	75-69-4	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
Trichlorotrifluoroethane	76-13-1	µg/L	5	< 100	< 100	< 10	< 1.0	< 20
Vinyl Chloride	75-01-4	µg/L	2	< 100	< 100	< 10	< 1.0	< 20
Semivolatiles by SIM By SW8270D (SIM)								
2-Methylnaphthalene	91-57-6	µg/L	NA	950	5,500	110	< 0.10	190
Acenaphthene	83-32-9	µg/L	20	< 250	< 1300	14	< 0.10	1.5
Acenaphthylene	208-96-8	µg/L	NA	< 250	< 1300	8.2	< 0.10	< 1.1
Anthracene	120-12-7	µg/L	50	< 250	< 1300	7	< 0.10	1.2
Benzo-a-Anthracene	56-55-3	µg/L	0.002	< 250	< 1300	0.55	0.1	< 0.21
Benzo-a-Pyrene	50-32-8	µg/L	MDL	< 250	< 1300	0.29	0.07	< 0.21
Benzo-b-Fluoranthene	205-99-2	µg/L	0.002	< 250	< 1300	0.35	0.09	< 0.21
Benzo-g,h,i-Perylene	191-24-2	µg/L	NA	< 250	< 1300	< 1.0	< 0.10	< 1.1
Benzo-k-Fluoranthene	207-08-9	µg/L	0.002	< 250	< 1300	0.29	0.09	< 0.21
Chrysene	218-01-9	µg/L	0.002	< 250	< 1300	0.55	0.1	0.24
Dibenzo-a,h-Anthracene	53-70-3	µg/L	NA	< 250	< 1300	< 0.10	0.02	< 0.11
Fluoranthene	206-44-0	µg/L	50	< 250	< 1300	1.3	0.24	< 1.1
Fluorene	86-73-7	µg/L	50	< 250	1,700	32	< 0.10	4.7
Indeno(1,2,3-cd)Pyrene	193-39-5	µg/L	0.002	< 250	< 1300	< 0.20	0.05	< 0.21
Naphthalene	91-20-3	µg/L	10	760	2,900	64	< 0.10	16
Phenanthrene	85-01-8	µg/L	50	340	2,900	40	0.18	6.1
Pyrene	129-00-0	µg/L	50	< 250	< 1300	2.2	0.24	< 1.1

Notes:
mg/L: miligram per liter (ppm)
µg/L: microgram per liter (ppb)
Analyte detected
Concentratoin above TOGS 1.1.1 Ambient Water Quality Standard

Table 3: Summary of 2016 Soil Gas Sampling Results
383-391 Huguenot Street, New Rochelle, New York

Parameters	Sample ID / Sample Date / CAS	Units	NYSDOH Action Levels	SG-1 3/3/2016 Result	SG-2 3/3/2016 Result
Volatiles (TO15) By TO15					
1,1,1,2-Tetrachloroethane	630-20-6	µg/m^3		< 1.00	< 15.0
1,1,1-Trichloroethane	71-55-6	µg/m^3	1000	< 1.00	< 15.0
1,1,2,2-Tetrachloroethane	79-34-5	µg/m^3		< 1.00	< 15.0
1,1,2-Trichloroethane	79-00-5	µg/m^3		< 1.00	< 15.0
1,1-Dichloroethane	75-34-3	µg/m^3		< 1.00	< 15.0
1,1-Dichloroethene	75-35-4	µg/m^3	1000	< 1.00	< 15.0
1,2,4-Trichlorobenzene	120-82-1	µg/m^3		< 1.00	19.4
1,2,4-Trimethylbenzene	95-63-6	µg/m^3		1.07	988
1,2-Dibromoethane(EDB)	106-93-4	µg/m^3		< 1.00	< 15.0
1,2-Dichlorobenzene	95-50-1	µg/m^3		< 1.00	< 15.0
1,2-Dichloroethane	107-06-2	µg/m^3		< 1.00	< 15.0
1,2-Dichloropropane	78-87-5	µg/m^3		< 1.00	< 15.0
1,2-Dichlorotetrafluoroethane	76-14-2	µg/m^3		< 1.00	< 15.0
1,3,5-Trimethylbenzene	108-67-8	µg/m^3		< 1.00	904
1,3-Butadiene	106-99-0	µg/m^3		< 1.00	< 15.0
1,3-Dichlorobenzene	541-73-1	µg/m^3		< 1.00	< 15.0
1,4-Dichlorobenzene	106-46-7	µg/m^3		< 1.00	< 15.0
1,4-Dioxane	123-91-1	µg/m^3		< 1.00	< 15.0
2-Hexanone(MBK)	591-78-6	µg/m^3		< 1.00	< 15.0
4-Ethyltoluene	622-96-8	µg/m^3		< 1.00	194
p-Isoproplytoluene	99-87-6	µg/m^3		< 1.00	150
Methyl Isobutyl Ketone	108-10-1	µg/m^3		< 1.00	< 15.0
Acetone	67-64-1	µg/m^3		11.3	< 15.0
Acrylonitrile	107-13-1	µg/m^3		< 1.00	< 15.0
Benzene	71-43-2	µg/m^3		1.78	23.8
Benzyl chloride	100-44-7	µg/m^3		< 1.00	< 15.0
Bromodichloromethane	75-27-4	µg/m^3		< 1.00	< 15.0
Bromoform	75-25-2	µg/m^3		< 1.00	< 15.0
Bromomethane	74-83-9	µg/m^3		< 1.00	< 15.0
Carbon Disulfide	75-15-0	µg/m^3		1.39	98.3
Carbon Tetrachloride	56-23-5	µg/m^3	250	0.28	< 3.74
Chlorobenzene	108-90-7	µg/m^3		< 1.00	< 15.0
Chloroethane	75-00-3	µg/m^3		< 1.00	< 15.0
Chloroform	67-66-3	µg/m^3		13.4	< 15.0
Chloromethane	74-87-3	µg/m^3		< 1.00	< 15.0
cis-1,2-Dichloroethene	156-59-2	µg/m^3	1000	< 1.00	18.4
cis-1,3-Dichloropropene	10061-01-5	µg/m^3		< 1.00	< 15.0
Cyclohexane	110-82-7	µg/m^3		< 1.00	513
Chlorodibromomethane	124-48-1	µg/m^3		< 1.00	< 15.0
Dichlorodifluoromethane	75-71-8	µg/m^3		1.73	< 15.0
Ethanol	64-17-5	µg/m^3		3.58	< 15.0
Ethyl acetate	141-78-6	µg/m^3		< 1.00	< 15.0
Ethylbenzene	100-41-4	µg/m^3		< 1.00	133
Heptane	142-82-5	µg/m^3		< 1.00	1,480
Hexachlorobutadiene	87-68-3	µg/m^3		< 1.00	< 15.0

Table 3: Summary of 2016 Soil Gas Sampling Results
383-391 Huguenot Street, New Rochelle, New York

Parameters	Sample ID / Sample Date / CAS	Units	NYSDOH Action Levels	SG-1 3/3/2016 Result	SG-2 3/3/2016 Result
Hexane	110-54-3	µg/m^3		< 1.00	497
Isopropylalcohol	67-63-0	µg/m^3		3.34	< 15.0
Isopropylbenzene	98-82-8	µg/m^3		< 1.00	223
Total Xylenes	179601-23-1	µg/m^3		< 1.00	397
2-Butanone	78-93-3	µg/m^3		1.17	< 15.0
Methyl Tert-Butyl Ether	1634-04-4	µg/m^3		< 1.00	< 15.0
Methylene Chloride	75-09-2	µg/m^3		< 1.00	< 15.0
n-Butylbenzene	104-51-8	µg/m^3		1.05	< 15.0
o-Xylene	95-47-6	µg/m^3		< 1.00	181
Propylene	115-07-1	µg/m^3		2.99	253
sec-Butylbenzene	135-98-8	µg/m^3		< 1.00	< 15.0
Styrene	100-42-5	µg/m^3		< 1.00	< 15.0

Table 3: Summary of 2016 Soil Gas Sampling Results
383-391 Huguenot Street, New Rochelle, New York

Parameters	Sample ID Sample Date CAS	Units	NYSDOH Action Levels	SG-1 3/3/2016 Result	SG-2 3/3/2016 Result
Tetrachloroethene	127-18-4	µg/m^3	300	1.02	4.37
Tetrahydrofuran	109-99-9	µg/m^3		< 1.00	< 15.0
Toluene	108-88-3	µg/m^3		1.52	35.7
trans-1,2-Dichloroethene	156-60-5	µg/m^3		< 1.00	< 15.0
trans-1,3-Dichloropropene	10061-02-6	µg/m^3		< 1.00	< 15.0
Trichloroethene	79-01-6	µg/m^3	20	< 0.25	14.3
Trichlorofluoromethane	75-69-4	µg/m^3		1.44	< 15.0
Trichlorotrifluoroethane	76-13-1	µg/m^3		< 1.00	< 15.0
Vinyl Chloride	75-01-4	µg/m^3	250	< 0.25	74.6

Notes:
µg/m^3: microgram per cubic meter
Analyte detected
Detected at concentration above Action Levels based on NYSDOH Vapor Intrusion Decision Matrices

Table 4: Summary of 2017 Soil Sampling Results
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID / Sampling Depth / Sample Date / CAS	Units	6 NYCRR Part 375 Unrestricted Use SCO	6 NYCRR Part 375 Restricted Residential SCO	SB-2B 5'-7' 02/14/2017 Result	SB-9B 6'-8' 02/14/2017 Result	SB-10B 6'-8' 02/15/2017 Result	SB-12 0'-2' /8'-10' 02/15/2017 Result	SB-14 0'-2' 02/14/2017 Result	SB-15 0'-2' 02/14/2017 Result
Metals Total										
Aluminum, Al	7429-90-5	mg/Kg	NA	NA	5240	22900	10600	29400	9680	11000
Antimony, Sb	7440-36-0	mg/Kg	NA	NA	< 3.4	< 3.5	< 3.8	< 3.9	24.7	< 3.4
Arsenic, As	7440-38-2	mg/Kg	13c	16f	4.22	0.79	1.64	< 0.78	7.06	3.19
Barium, Ba	7440-39-3	mg/Kg	350c	400	71.3	223	77.7	376	301	124
Beryllium, Be	7440-41-7	mg/Kg	7.2	72	0.3	0.43	< 0.31	0.48	0.35	0.34
Cadmium, Cd	7440-43-9	mg/Kg	2.5c	4.3	0.91	< 0.35	< 0.38	< 0.39	1.24	0.62
Calcium, Ca	7440-70-2	mg/Kg	NA	NA	33700	1620	1250	3130	13600	7060
Chromium, Cr	7440-47-3	mg/Kg	NA	110	15.6	75.6	29.5	91.6	24.9	26.5
Cobalt, Co	7440-48-4	mg/Kg	NA	NA	7.73	22.4	9.49	26.9	10	9.69
Copper, Cu	7440-50-8	mg/kg	50	270	109	55	17.4	21.7	120	52.6
Iron, Fe	7439-89-6	mg/Kg	NA	NA	15300	40100	17300	47900	18800	18700
Lead, Pb	7439-92-1	mg/Kg	63c	400	95.9	1.47	2.78	0.61	3210	250
Magnesium, Mg	7439-95-4	mg/Kg	NA	NA	19600	10600	3340	16000	5660	3830
Manganese, Mn	7439-96-5	mg/Kg	1,600c	2,000f	163	829	426	798	443	576
Mercury, Hg	7439-97-6	mg/Kg	.18c	.81j	0.25	< 0.03	< 0.03	< 0.03	0.74	0.3
Nickel, Ni	7440-02-0	mg/Kg	30	310	22.4	58.3	40.8	57.6	24.7	28.8
Potassium, K	7440-09-7	mg/Kg	NA	NA	1200	14900	3450	21000	3190	2490
Selenium, Se	7782-49-2	mg/Kg	3.9c	180	< 1.4	< 1.4	< 1.5	< 1.6	< 1.6	< 1.4
Silver, Ag	7440-22-4	mg/Kg	2	180	< 0.34	< 0.35	< 0.38	< 0.39	< 0.41	< 0.34
Sodium, Na	7440-23-5	mg/Kg	NA	NA	417	465	182	278	210	228
Thallium, Ti	7440-28-0	mg/Kg	NA	NA	< 3.0	< 3.2	< 3.5	< 3.5	< 3.7	< 3.1
Vanadium, V	7440-62-2	mg/Kg	NA	NA	31.3	58.3	27.6	82.6	28.2	31.4
Zinc, Zn	7440-66-6	mg/Kg	109c	10,000d	171	81.7	29.6	94.8	235	112
Polychlorinated Biphenyls - SW8082A										
Aroclor 1016	12674-11-2	µg/Kg	100	1,000	< 760	< 77	< 73	< 75	< 78	< 74
Aroclor 1221	11104-28-2	µg/Kg			< 760	< 77	< 73	< 75	< 78	< 74
Aroclor 1232	11141-16-5	µg/Kg			< 760	< 77	< 73	< 75	< 78	< 74
Aroclor 1242	53469-21-9	µg/Kg			< 760	< 77	< 73	< 75	< 78	< 74
Aroclor 1248	12672-29-6	µg/Kg			< 760	< 77	< 73	< 75	< 78	< 74
Aroclor 1254	11097-69-1	µg/Kg			3000	< 77	< 73	< 75	< 78	< 74
Aroclor 1260	11096-82-5	µg/Kg			< 760	< 77	< 73	< 75	< 78	< 74
Aroclor 1262	37324-23-5	µg/Kg			< 760	< 77	< 73	< 75	< 78	< 74
Aroclor 1268	11100-14-4	µg/Kg			< 760	< 77	< 73	< 75	< 78	< 74
Semivolatiles - SW8270D										
1,2,4,5-Tetrachlorobenzene	95-94-3	µg/Kg			< 530	< 270	< 260	< 270	< 270	< 260
1,2,4-Trichlorobenzene	120-82-1	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
1,2-Dichlorobenzene	95-50-1	µg/Kg	1100	100,000a	< 530	< 270	< 260	< 270	< 270	< 260
1,2- Diphenylhydrazine	122-66-7	µg/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
1,3-Dichlorobenzene	541-73-1	µg/Kg	2400	49000	< 530	< 270	< 260	< 270	< 270	< 260
1,4-Dichlorobenzene	106-46-7	µg/Kg	1800	13000	< 530	< 270	< 260	< 270	< 270	< 260
2,4,5-Trichlorophenol	95-95-4	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
2,4,6-Trichlorophenol	88-06-2	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260

Table 4: Summary of 2017 Soil Sampling Results
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Units	6 NYCRR Part 375 Unrestricted Use SCO	6 NYCRR Part 375 Restricted Residential SCO	SB-2B	SB-9B	SB-10B	SB-12	SB-14	SB-15
	Sampling Depth				5'-7'	6'-8'	6'-8'	0'-2' /8'-10'	0'-2'	0'-2'
	Sample Date				02/14/2017	02/14/2017	02/15/2017	02/15/2017	02/14/2017	02/14/2017
	CAS				Result	Result	Result	Result	Result	Result
2,4-Dichlorophenol	120-83-2	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
2,4-Dimethylphenol	105-67-9	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
2,4-Dinitrophenol	51-28-5	µg/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
2,4-Dinitrotoluene	121-14-2	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
2,6-Dinitrotoluene	606-20-2	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
2-Chloronaphthalene	91-58-7	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
2-Chlorophenol	95-57-8	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
2-Methylnaphthalene	91-57-6	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
2-Methylphenol	95-48-7	µg/Kg	330b	100,000a	< 350	< 270	< 260	< 270	< 270	< 260
2-Nitroaniline	88-74-4	µg/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
2-Nitrophenol	88-75-5	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
3+4 Methylphenol	NA	µg/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
3,3-Dichlorobenzidine	91-94-1	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
3-Nitroaniline	99-09-2	µg/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
4,6-Dinitro-2-methylphenol	534-52-1	µg/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
4-Bromophenyl-phenyl ether	101-55-3	µg/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
4-Chloro-3-methylphenol	59-50-7	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
4-Chloroaniline	106-47-8	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
4-Chlorophenyl phenyl ether	7005-72-3	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
4-Nitroaniline	100-01-6	µg/Kg	NA	NA	< 1200	< 620	< 600	< 610	< 620	< 590
4-Nitrophenol	100-02-7	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Acenaphthene	83-32-9	µg/Kg	20000	100,000a	< 530	< 270	< 260	< 270	< 270	< 260
Acenaphthylene	208-96-8	µg/Kg	100,000a	100,000a	< 530	< 270	< 260	< 270	< 270	< 260
Acetophenone	98-86-2	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Aniline	62-53-3	µg/Kg	NA	100000	< 760	< 390	< 370	< 380	< 390	< 370
Anthracene	120-12-7	µg/Kg	100,000a	100,000a	< 530	< 270	< 260	< 270	< 270	< 260
Benzo-a-Anthracene	56-55-3	µg/Kg	1,000c	1,000f	< 530	< 270	< 260	< 270	< 270	< 260
Benzidine	92-87-5	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Benzo-a-Pyrene	50-32-8	µg/Kg	1,000c	1,000f	< 530	< 270	< 260	< 270	330	270
Benzo-b-Fluoranthene	205-99-2	µg/Kg	1,000c	1,000f	< 530	< 270	< 260	< 270	370	< 260
Benzo-g,h,i-Perylene	191-24-2	µg/Kg	100000	100,000a	< 530	< 270	< 260	270	< 270	< 260
Benzo-k-Fluoranthene	207-08-9	µg/Kg	800c	3900	< 530	< 270	< 260	< 270	350	270
Benzoic Acid	65-85-0	µg/Kg	NA	NA	< 1500	< 780	< 750	< 760	< 770	< 730
Butylbenzylphthalate	85-68-7	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Bis(2-Chloroethoxy)methane	111-91-1	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Bis(2-Chloroethyl)ether	111-44-4	µg/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
Bis(2-Chloroisopropyl)ether	39638-32-9	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Bis(2-Ethylhexyl)Phthalate	117-81-7	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Carbazole	86-74-8	µg/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
Chrysene	218-01-9	µg/Kg	1,000c	3900	< 530	< 270	< 260	< 270	330	270
Di-n-Butyl Phthalate	84-74-2	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Di-n-Octyl Phthalate	117-84-0	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Dibenzo-a,h-Anthracene	53-70-3	µg/Kg	330b	330e	< 330	< 270	< 260	< 270	< 270	< 260
Dibenzofuran	132-64-9	µg/Kg	7000	59000	< 530	< 270	< 260	< 270	< 270	< 260
Diethyl Phthalate	84-66-2	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260

Table 4: Summary of 2017 Soil Sampling Results
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID / Sampling Depth / Sample Date / CAS	Units	6 NYCRR Part 375 Unrestricted Use SCO	6 NYCRR Part 375 Restricted Residential SCO	SB-2B 5'-7' 02/14/2017 Result	SB-9B 6'-8' 02/14/2017 Result	SB-10B 6'-8' 02/15/2017 Result	SB-12 0'-2' /8'-10' 02/15/2017 Result	SB-14 0'-2' 02/14/2017 Result	SB-15 0'-2' 02/14/2017 Result
Dimethyl Phthalate	131-11-3	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Fluoranthene	206-44-0	µg/Kg	100000	100,000a	< 530	< 270	< 260	< 270	450	380
Fluorene	86-73-7	µg/Kg	30000	100,000a	< 530	< 270	< 260	< 270	< 270	< 260
Hexachlorobenzene	118-74-1	µg/Kg	330	1200	< 530	< 270	< 260	< 270	< 270	< 260
Hexachlorobutadiene	87-68-3	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Hexachlorocyclopentadiene	77-47-4	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Hexachloroethane	67-72-1	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
Indeno(1,2,3-cd)Pyrene	193-39-5	µg/Kg	500c	500f	< 500	< 270	< 260	350	< 270	< 260
Isophorone	78-59-1	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
N-Nitroso-di-n-Propylamine	621-64-7	µg/Kg	NA	NA	< 530	< 270	< 260	< 270	< 270	< 260
N-Nitrosodimethylamine	62-75-9	µg/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
N-Nitrosodiphenylamine	86-30-6	µg/Kg	NA	NA	< 760	< 390	< 370	< 380	< 390	< 370
Naphthalene	91-20-3	µg/Kg	12000	100,000a	< 530	< 270	< 260	< 270	< 270	< 260
Nitrobenzene	98-95-3	µg/Kg	NA	15000	< 530	< 270	< 260	< 270	< 270	< 260
Pentachloronitrobenzene	82-68-8	µg/Kg			< 760	< 390	< 370	< 380	< 390	< 370
Pentachlorophenol	87-86-5	µg/Kg	800b	6700	< 760	< 390	< 370	< 380	< 390	< 370
Phenanthrene	85-01-8	µg/Kg	100000	100,000a	< 530	< 270	< 260	< 270	< 270	< 260
Phenol	108-95-2	µg/Kg	330b	100,000a	< 330	< 270	< 260	< 270	< 270	< 260
Pyrene	129-00-0	µg/Kg	100000	100,000a	< 530	< 270	< 260	< 270	440	370
Pyridine	110-86-1	µg/Kg			< 760	< 390	< 370	< 380	< 390	< 370
		µg/Kg								
TPH DRO (C10-C28) - SW8015D DRO										
Diesel Range Organics (C10-C28)	PHNX - DRO	mg/Kg			< 280	< 59	< 54	< 57		

Notes:
ug/Kg: microgram per kilogram (ppb)
mg/Kg: miligram per kilogram (ppm)
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
Reporting Limit (RL) above the RRSCO

Table 4: Summary of 2017 Soil Sampling Results
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID / Sampling Depth / Sample Date / CAS	Units	6 NYCRR Part 375 Unrestricted Use SCO	6 NYCRR Part 375 Restricted Residential SCO	SB-16 0'-2' 02/14/2017 Result	SB-17 0'-2' 02/15/2017 Result	SB-18 0'-2' 02/15/2017 Result	SB-19 0'-2' 02/15/2017 Result	SB-20 0'-2' 02/14/2017 Result	SB-21 0'-2' 02/15/2017 Result
Metals Total										
Aluminum, Al	7429-90-5	mg/Kg	NA	NA	12700	14900	15800	13900	8030	9940
Antimony, Sb	7440-36-0	mg/Kg	NA	NA	< 4.3	< 3.8	< 3.9	< 3.7	< 3.6	24.8
Arsenic, As	7440-38-2	mg/Kg	13c	16f	6.57	3.94	5.3	4.45	3.22	11.7
Barium, Ba	7440-39-3	mg/Kg	350c	400	211	58.4	75	142	238	334
Beryllium, Be	7440-41-7	mg/Kg	7.2	72	0.44	0.54	0.39	0.45	< 0.29	0.46
Cadmium, Cd	7440-43-9	mg/Kg	2.5c	4.3	0.72	< 0.38	0.42	< 0.37	1.11	1.36
Calcium, Ca	7440-70-2	mg/Kg	NA	NA	19800	3020	5230	3170	23100	20000
Chromium, Cr	7440-47-3	mg/Kg	NA	110	30.5	43.2	30.1	37.7	25	29.3
Cobalt, Co	7440-48-4	mg/Kg	NA	NA	11.2	11.4	10.7	11.5	11.5	9.39
Copper, Cu	7440-50-8	mg/kg	50	270	86.3	27.5	39.4	26.8	212	187
Iron, Fe	7439-89-6	mg/Kg	NA	NA	21500	24400	23800	20900	19300	20800
Lead, Pb	7439-92-1	mg/Kg	63c	400	440	8.96	147	495	1820	4330
Magnesium, Mg	7439-95-4	mg/Kg	NA	NA	9810	4370	4860	3950	10200	7030
Manganese, Mn	7439-96-5	mg/Kg	1,600c	2,000f	433	651	472	584	365	389
Mercury, Hg	7439-97-6	mg/Kg	.18c	.81j	0.37	< 0.03	0.15	0.32	0.27	1.26
Nickel, Ni	7440-02-0	mg/Kg	30	310	30.4	39	30.3	42.4	50.6	23.8
Potassium, K	7440-09-7	mg/Kg	NA	NA	2610	1890	1540	2310	2090	2010
Selenium, Se	7782-49-2	mg/Kg	3.9c	180	< 1.7	< 1.5	< 1.6	2.8	< 1.4	< 1.5
Silver, Ag	7440-22-4	mg/Kg	2	180	< 0.43	< 0.38	< 0.39	< 0.37	< 0.36	3.96
Sodium, Na	7440-23-5	mg/Kg	NA	NA	341	78.7	164	143	156	186
Thallium, Ti	7440-28-0	mg/Kg	NA	NA	< 3.9	< 3.4	< 3.5	< 3.4	< 3.2	< 3.4
Vanadium, V	7440-62-2	mg/Kg	NA	NA	35	35.3	34.9	31.7	22.5	30.4
Zinc, Zn	7440-66-6	mg/Kg	109c	10,000d	246	38.5	126	105	641	583
Polychlorinated Biphenyls - SW8082A										
Aroclor 1016	12674-11-2	µg/Kg	100	1,000	< 92	< 77	< 77	< 75	< 74	< 80
Aroclor 1221	11104-28-2	µg/Kg			< 92	< 77	< 77	< 75	< 74	< 80
Aroclor 1232	11141-16-5	µg/Kg			< 92	< 77	< 77	< 75	< 74	< 80
Aroclor 1242	53469-21-9	µg/Kg			< 92	< 77	< 77	< 75	< 74	< 80
Aroclor 1248	12672-29-6	µg/Kg			< 92	< 77	< 77	< 75	< 74	< 80
Aroclor 1254	11097-69-1	µg/Kg			< 92	< 77	< 77	< 75	490	< 80
Aroclor 1260	11096-82-5	µg/Kg			< 92	< 77	< 77	< 75	< 74	< 80
Aroclor 1262	37324-23-5	µg/Kg			< 92	< 77	< 77	< 75	< 74	< 80
Aroclor 1268	11100-14-4	µg/Kg			< 92	< 77	< 77	< 75	< 74	< 80
Semivolatiles - SW8270D										
1,2,4,5-Tetrachlorobenzene	95-94-3	µg/Kg			< 320	< 270	< 270	< 260	< 260	< 270
1,2,4-Trichlorobenzene	120-82-1	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
1,2-Dichlorobenzene	95-50-1	µg/Kg	1100	100,000a	< 320	< 270	< 270	< 260	< 260	< 270
1,2- Diphenylhydrazine	122-66-7	µg/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
1,3-Dichlorobenzene	541-73-1	µg/Kg	2400	49000	< 320	< 270	< 270	< 260	< 260	< 270
1,4-Dichlorobenzene	106-46-7	µg/Kg	1800	13000	< 320	< 270	< 270	< 260	< 260	< 270
2,4,5-Trichlorophenol	95-95-4	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
2,4,6-Trichlorophenol	88-06-2	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270

Table 4: Summary of 2017 Soil Sampling Results
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID	Units	6 NYCRR Part 375 Unrestricted Use SCO	6 NYCRR Part 375 Restricted Residential SCO	SB-16	SB-17	SB-18	SB-19	SB-20	SB-21
	Sampling Depth				0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'
	Sample Date				02/14/2017	02/15/2017	02/15/2017	02/15/2017	02/14/2017	02/15/2017
	CAS				Result	Result	Result	Result	Result	Result
2,4-Dichlorophenol	120-83-2	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
2,4-Dimethylphenol	105-67-9	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
2,4-Dinitrophenol	51-28-5	µg/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
2,4-Dinitrotoluene	121-14-2	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
2,6-Dinitrotoluene	606-20-2	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
2-Chloronaphthalene	91-58-7	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
2-Chlorophenol	95-57-8	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
2-Methylnaphthalene	91-57-6	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
2-Methylphenol	95-48-7	µg/Kg	330b	100,000a	< 320	< 270	< 270	< 260	< 260	< 270
2-Nitroaniline	88-74-4	µg/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
2-Nitrophenol	88-75-5	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
3+4 Methylphenol	NA	µg/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
3,3-Dichlorobenzidine	91-94-1	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
3-Nitroaniline	99-09-2	µg/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
4,6-Dinitro-2-methylphenol	534-52-1	µg/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
4-Bromophenyl-phenyl ether	101-55-3	µg/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
4-Chloro-3-methylphenol	59-50-7	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
4-Chloroaniline	106-47-8	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
4-Chlorophenyl phenyl ether	7005-72-3	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
4-Nitroaniline	100-01-6	µg/Kg	NA	NA	< 730	< 610	< 630	< 600	< 590	< 630
4-Nitrophenol	100-02-7	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Acenaphthene	83-32-9	µg/Kg	20000	100,000a	< 320	< 270	< 270	< 260	< 260	< 270
Acenaphthylene	208-96-8	µg/Kg	100,000a	100,000a	< 320	< 270	< 270	< 260	< 260	< 270
Acetophenone	98-86-2	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Aniline	62-53-3	µg/Kg	NA	100000	< 460	< 380	< 390	< 380	< 370	< 390
Anthracene	120-12-7	µg/Kg	100,000a	100,000a	1000	< 270	< 270	< 260	< 260	< 270
Benzo-a-Anthracene	56-55-3	µg/Kg	1,000c	1,000f	5800	< 270	< 270	< 260	790	390
Benzidine	92-87-5	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Benzo-a-Pyrene	50-32-8	µg/Kg	1,000c	1,000f	5800	< 270	< 270	< 260	1100	420
Benzo-b-Fluoranthene	205-99-2	µg/Kg	1,000c	1,000f	5600	< 270	< 270	< 260	960	410
Benzo-g,h,i-Perylene	191-24-2	µg/Kg	100000	100,000a	2800	< 270	< 270	< 260	670	450
Benzo-k-Fluoranthene	207-08-9	µg/Kg	800c	3900	5400	< 270	< 270	< 260	920	390
Benzoic Acid	65-85-0	µg/Kg	NA	NA	< 910	< 760	< 780	< 750	< 730	< 780
Butylbenzylphthalate	85-68-7	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Bis(2-Chloroethoxy)methane	111-91-1	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Bis(2-Chloroethyl)ether	111-44-4	µg/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
Bis(2-Chloroisopropyl)ether	39638-32-9	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Bis(2-Ethylhexyl)Phthalate	117-81-7	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	990	< 270
Carbazole	86-74-8	µg/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
Chrysene	218-01-9	µg/Kg	1,000c	3900	5800	< 270	< 270	< 260	800	460
Di-n-Butyl Phthalate	84-74-2	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Di-n-Octyl Phthalate	117-84-0	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Dibenzo-a,h-Anthracene	53-70-3	µg/Kg	330b	330e	720	< 270	< 270	< 260	< 260	< 270
Dibenzofuran	132-64-9	µg/Kg	7000	59000	< 320	< 270	< 270	< 260	< 260	< 270
Diethyl Phthalate	84-66-2	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270

Table 4: Summary of 2017 Soil Sampling Results
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID / Sampling Depth / Sample Date / CAS	Units	6 NYCRR Part 375 Unrestricted Use SCO	6 NYCRR Part 375 Restricted Residential SCO	SB-16 0'-2' 02/14/2017 Result	SB-17 0'-2' 02/15/2017 Result	SB-18 0'-2' 02/15/2017 Result	SB-19 0'-2' 02/15/2017 Result	SB-20 0'-2' 02/14/2017 Result	SB-21 0'-2' 02/15/2017 Result
Dimethyl Phthalate	131-11-3	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Fluoranthene	206-44-0	µg/Kg	100000	100,000a	9800	< 270	< 270	< 260	1600	720
Fluorene	86-73-7	µg/Kg	30000	100,000a	< 320	< 270	< 270	< 260	< 260	< 270
Hexachlorobenzene	118-74-1	µg/Kg	330	1200	< 320	< 270	< 270	< 260	< 260	< 270
Hexachlorobutadiene	87-68-3	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Hexachlorocyclopentadiene	77-47-4	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Hexachloroethane	67-72-1	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
Indeno(1,2,3-cd)Pyrene	193-39-5	µg/Kg	500c	500f	3500	< 270	< 270	< 260	870	460
Isophorone	78-59-1	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
N-Nitroso-di-n-Propylamine	621-64-7	µg/Kg	NA	NA	< 320	< 270	< 270	< 260	< 260	< 270
N-Nitrosodimethylamine	62-75-9	µg/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
N-Nitrosodiphenylamine	86-30-6	µg/Kg	NA	NA	< 460	< 380	< 390	< 380	< 370	< 390
Naphthalene	91-20-3	µg/Kg	12000	100,000a	< 320	< 270	< 270	< 260	< 260	< 270
Nitrobenzene	98-95-3	µg/Kg	NA	15000	< 320	< 270	< 270	< 260	< 260	< 270
Pentachloronitrobenzene	82-68-8	µg/Kg			< 460	< 380	< 390	< 380	< 370	< 390
Pentachlorophenol	87-86-5	µg/Kg	800b	6700	< 460	< 380	< 390	< 380	< 370	< 390
Phenanthrene	85-01-8	µg/Kg	100000	100,000a	4000	< 270	< 270	< 260	1200	< 270
Phenol	108-95-2	µg/Kg	330b	100,000a	< 320	< 270	< 270	< 260	< 260	< 270
Pyrene	129-00-0	µg/Kg	100000	100,000a	8800	< 270	< 270	< 260	1400	690
Pyridine	110-86-1	µg/Kg			< 460	< 380	< 390	< 380	< 370	< 390
		µg/Kg								
TPH DRO (C10-C28) - SW8015D DRO										
Diesel Range Organics (C10-C28)	PHNX - DRO	mg/Kg							110	

Notes:
ug/Kg: microgram per kilogram (ppb)
mg/Kg: miligram per kilogram (ppm)
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
Reporting Limit (RL) above the RRSCO

Table 5: Summary of 2017 Groundwater Sampling Results
381-393 Huguenot Street, New Rochelle, New York

Parameters	Sample ID / Sample Date / CAS	Units	NYSDEC TOGS 1.1.1. Ambient Water Quality Standards and Guidance Values	GW-6 02/15/2017 Result	GW-7 02/15/2017 Result	GW-8 02/15/2017 Result
Volatiles- Stars/CP-51 - SW8260C						
1,2,4-Trimethylbenzene	95-63-6	µg/L	5	20	< 1.0	< 1.0
1,3,5-Trimethylbenzene	108-67-8	µg/L	5	6	< 1.0	< 1.0
Benzene	71-43-2	µg/L	1	< 0.70	< 0.70	< 0.70
Ethylbenzene	100-41-4	µg/L	5	5.9	< 1.0	3.7
Isopropylbenzene	98-82-8	µg/L	5	3.8	< 1.0	3.5
m&p-Xylene	179601-23-1	µg/L	NA	5.6	< 2.0	< 2.0
Methyl Tert-Butyl Ether	1634-04-4	µg/L	10	< 1.0	< 1.0	< 1.0
n-Butylbenzene	104-51-8	µg/L	5	1.5	< 1.0	< 1.0
n-Propylbenzene	103-65-1	µg/L	5	5.9	< 1.0	2.7
Naphthalene	91-20-3	µg/L	10	23	< 1.0	1.7
o-Xylene	95-47-6	µg/L	NA	< 2.0	< 2.0	< 2.0
p-Isoproplytoluene	99-87-6	µg/L	5	1.1	< 1.0	< 1.0
sec-Butylbenzene	135-98-8	µg/L	5	2.7	< 1.0	< 1.0
tert-Butylbenzene	98-06-6	µg/L	NA	< 1.0	< 1.0	< 1.0
Toluene	108-88-3	µg/L	5	< 1.0	< 1.0	< 1.0
Total Xylenes	1330-20-7	µg/L	15	5.6	< 2.0	< 2.0
Semivolatiles by SIM - SW8270D (SIM)						
2-Methylnaphthalene	91-57-6	µg/L	NA	220	0.57	1.2
Acenaphthene	83-32-9	µg/L	20	20	< 0.10	< 0.10
Acenaphthylene	208-96-8	µg/L	NA	7.4	< 0.10	< 0.10
Anthracene	120-12-7	µg/L	50	7	< 0.10	< 0.10
Benzo-a-Anthracene	56-55-3	µg/L	0.002	< 0.42	< 0.02	< 0.02
Benzo-a-Pyrene	50-32-8	µg/L	MDL	< 0.42	< 0.02	< 0.02
Benzo-b-Fluoranthene	205-99-2	µg/L	0.002	< 0.42	< 0.02	< 0.02
Benzo-g,h,i-Perylene	191-24-2	µg/L	NA	< 2.1	< 0.10	< 0.10
Benzo-k-Fluoranthene	207-08-9	µg/L	0.002	< 0.42	< 0.02	< 0.02
Chrysene	218-01-9	µg/L	0.002	0.57	< 0.02	< 0.02
Dibenzo-a,h-Anthracene	53-70-3	µg/L	NA	< 0.21	< 0.01	< 0.01
Fluoranthene	206-44-0	µg/L	50	< 2.1	< 0.10	< 0.10
Fluorene	86-73-7	µg/L	50	27	0.1	< 0.10
Indeno(1,2,3-cd)Pyrene	193-39-5	µg/L	0.002	< 0.42	< 0.02	< 0.02
Naphthalene	91-20-3	µg/L	10	68	< 0.10	0.65
Phenanthrene	85-01-8	µg/L	50	59	0.11	< 0.07
Pyrene	129-00-0	µg/L	50	3.8	< 0.10	< 0.10

Notes:
mg/L: miligram per liter (ppm)
ug/L: microgram per liter (ppb)
Analyte detected
Reporting Limit (RL) above TOGS 1.1.1 Ambient Water Quality Standard
Concentratoin above TOGS 1.1.1 Ambient Water Quality Standard

Table 6: Summary of RI Samples and Analytical Tests
381-393 Huguenot Street, New Rochelle, New York

Sample ID	Matrix	Depth / Location	Date	USEPA Test Method	Target Analytes
SB-31	Soil	0'-2' /4'-5'	4/24/2018	8260B /8270 /8081A /8082 /6010 /9012 /7471A	TCL VOCs +TICs; TCL SVOCs+ TICs, TCL Pesticides/ PCBs; TAL Metals+ Total Cyanide; Total Mercury
SB-32	Soil	0'-2' /	4/23/2018	8260B /8270 /8081A /8082 /6010 /9012 /7471A	TCL VOCs +TICs; TCL SVOCs+ TICs, TCL Pesticides/ PCBs; TAL Metals+ Total Cyanide; Total Mercury
SB-33	Soil	0'-2' /10'-11'	4/24/2018	8260B /8270 /8081A /8082 /6010 /9012 /7471A	TCL VOCs +TICs; TCL SVOCs+ TICs, TCL Pesticides/ PCBs; TAL Metals+ Total Cyanide; Total Mercury
SB-34	Soil	0'-2' /3'-5'	4/24/2018	8260B /8270 /8081A /8082 /6010 /9012 /7471A	TCL VOCs +TICs; TCL SVOCs+ TICs, TCL Pesticides/ PCBs; TAL Metals+ Total Cyanide; Total Mercury
SB-35	Soil	0'-2' / 5'-7'	4/23/2018	8260B /8270 /8081A /8082 /6010 /9012 /7471A	TCL VOCs +TICs; TCL SVOCs+ TICs, TCL Pesticides/ PCBs; TAL Metals+ Total Cyanide; Total Mercury
SB-36	Soil	0'-2' / 6'-8'	4/24/2018	8260B /8270 /8081A /8082 /6010 /9012 /7471A	TCL VOCs +TICs; TCL SVOCs+ TICs, TCL Pesticides/ PCBs; TAL Metals+ Total Cyanide; Total Mercury
SB-37	Soil	0'-2' / 6'-8'	4/24/2018	8260B /8270 /8081A /8082 /6010 /9012 /7471A	TCL VOCs +TICs; TCL SVOCs+ TICs, TCL Pesticides/ PCBs; TAL Metals+ Total Cyanide; Total Mercury
SB-38	Soil	0'-2' /3'-5'	4/23/2018	8260B /8270 /8081A /8082 /6010 /9012 /7471A	TCL VOCs +TICs; TCL SVOCs+ TICs, TCL Pesticides/ PCBs; TAL Metals+ Total Cyanide; Total Mercury
SB-39	Soil	0'-2' /5'-7'	4/23/2018	8260B /8270 /8081A /8082 /6010 /9012 /7471A	TCL VOCs +TICs; TCL SVOCs+ TICs, TCL Pesticides/ PCBs; TAL Metals+ Total Cyanide; Total Mercury
SB-40	Soil	0'-2' / 6'-8'	4/23/2018	8260B /8270 /8081A /8082 /6010 /9012 /7471A	TCL VOCs +TICs; TCL SVOCs+ TICs, TCL Pesticides/ PCBs; TAL Metals+ Total Cyanide; Total Mercury
MW-3	Soil	4'-5' /6'-8'	4/28/2018	8260B /8270 /8081A /8082 /6010 /9012 /7471A	TCL VOCs +TICs; TCL SVOCs+ TICs, TCL Pesticides/ PCBs; TAL Metals+ Total Cyanide; Total Mercury
MW-4	Soil	5'-7' /8'-10'	4/23/2018	8260B /8270 /8081A /8082 /6010 /9012 /7471A	TCL VOCs +TICs; TCL SVOCs+ TICs, TCL Pesticides/ PCBs; TAL Metals+ Total Cyanide; Total Mercury
MW-6	Soil	6'-8'	4/28/2018	8260B /8270 /8081A /8082 /6010 /9012 /7471A	TCL VOCs +TICs; TCL SVOCs+ TICs, TCL Pesticides/ PCBs; TAL Metals+ Total Cyanide; Total Mercury
MW-7	Soil	12'-14'	4/28/2018	8260B /8270 /8081A /8082 /6010 /9012 /7471A	TCL VOCs +TICs; TCL SVOCs+ TICs, TCL Pesticides/ PCBs; TAL Metals+ Total Cyanide; Total Mercury
MW-8	Soil	12'-14'	4/26/2018	8260B /8270 /8081A /8082 /6010 /9012 /7471A	TCL VOCs +TICs; TCL SVOCs+ TICs, TCL Pesticides/ PCBs; TAL Metals+ Total Cyanide; Total Mercury
MW-1	Groundwater		5/9/2018	8260B /8270 /8270 SIM /6010/ 9012/ 537	TCL VOCs +TICs; TCL SVOCs+ TICs, 1,4-Dioxane; TCL Pesticides/PCBs; TAL Metals+Total Cyanide, TCL PFAS
MW-2	Groundwater		5/8/2018	8260B /8270 /8270 SIM /6010/ 9012/ 537	TCL VOCs +TICs; TCL SVOCs+ TICs, 1,4-Dioxane; TCL Pesticides/PCBs; TAL Metals+Total Cyanide, TCL PFAS
MW-3	Groundwater		5/8/2018	8260B /8270 /8270 SIM /6010/ 9012/ 537	TCL VOCs +TICs; TCL SVOCs+ TICs, 1,4-Dioxane; TCL Pesticides/PCBs; TAL Metals+Total Cyanide, TCL PFAS
MW-4	Groundwater		5/8/2018	8260B /8270 /8270 SIM /6010/ 9012/ 537	TCL VOCs +TICs; TCL SVOCs+ TICs, 1,4-Dioxane; TCL Pesticides/PCBs; TAL Metals+Total Cyanide, TCL PFAS
MW-5	Groundwater		5/8/2018	8260B /8270 /8270 SIM /6010/ 9012/ 537	TCL VOCs +TICs; TCL SVOCs+ TICs, 1,4-Dioxane; TCL Pesticides/PCBs; TAL Metals+Total Cyanide, TCL PFAS
MW-6	Groundwater		5/9/2018	8260B /8270 /8270 SIM /6010/ 9012/ 537	TCL VOCs +TICs; TCL SVOCs+ TICs, 1,4-Dioxane; TCL Pesticides/PCBs; TAL Metals+Total Cyanide, TCL PFAS
MW-7	Groundwater		5/8/2018	8260B /8270 /8270 SIM /6010/ 9012/ 537	TCL VOCs +TICs; TCL SVOCs+ TICs, 1,4-Dioxane; TCL Pesticides/PCBs; TAL Metals+Total Cyanide, TCL PFAS
MW-8	Groundwater		5/8/2018	8260B /8270 /8270 SIM /6010/ 9012/ 537	TCL VOCs +TICs; TCL SVOCs+ TICs, 1,4-Dioxane; TCL Pesticides/PCBs; TAL Metals+Total Cyanide, TCL PFAS
OA-1	OutdoorAir	Outdoor	3/29/2018	TO-15	VOCs
OA-2	OutdoorAir	Outdoor	3/29/2018	TO-15	VOCs
IA-3-1	Indoor Air	Indoor	3/29/2018	TO-15	VOCs
IA-3-2	Indoor Air	Indoor	3/29/2018	TO-15	VOCs
SG-3	Soil gas	Soil gas	3/29/2018	TO-15 plus helium	VOCs and helium

Qualifiers for Table 7 and Table 8

U — The compound was anlayzed for but not detected at or above the MDL.
The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.

J — The value is estimated. This flag is used
a) on form 1 when the compound is reported above the MDL, but below the PQL, and
b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.

N — The concentration is based on the response fo the nearest internal. This flag is used on the TIC form for all compounds identified.

S — This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.

D — The reported concentration is the result of a diluted analysis.

(*) — See report for comment.

Table 7: Summary of RI Soil Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
ug/Kg: microgram per kilogram (ppb)
mg/Kg: miligram per kilogram (ppm)
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
Method Detection Limit (MDL) above the UUSCO
Result rejected due to severe QC exceedance

Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-31 0-2 FT CA34773 4/23/2018		SB-31 4-6 FT CA34774 4/23/2018		SB-32 0-2 FT CA34770 4/23/2018		SB-33 0-2 FT CA34758 4/23/2018		SB-33 10-11 FT CA34759 4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Metals, Total															
Aluminum, Al	7429-90-5	mg/Kg	NA	NA	NA	11,700		10,800		10,400		8,620		9,980	
Antimony, Sb	7440-36-0	mg/Kg	NA	NA	NA	< 3.6	U	< 3.7	U	< 3.8	U	< 3.3	U	< 3.8	U
Arsenic, As	7440-38-2	mg/Kg	13	16	16	3.92		0.91		1.72		1.3		< 0.76	U
Barium, Ba	7440-39-3	mg/Kg	350	400	820	130		104		99.1		129		108	
Beryllium, Be	7440-41-7	mg/Kg	7.2	72	47	0.54		0.34		0.38		0.24	J	0.3	J
Cadmium, Cd	7440-43-9	mg/Kg	2.5	4.3	7.5	< 0.36	U	< 0.37	U	< 0.38	U	< 0.33	U	< 0.38	U
Calcium, Ca	7440-70-2	mg/Kg	NA	NA	NA	18,300		920		4,030		2,240		1,460	
Chromium, Cr	7440-47-3	mg/Kg	30	110	NA	26.9		30.6		29.1		18.3		29.6	
Cobalt, Co	7440-48-4	mg/Kg	NA	NA	NA	8.73		9.65		10.6		6.56		11.2	
Copper, Cu	7440-50-8	mg/kg	50	270	1720	22.7		19.6		38.7		32.9		21.3	
Iron, Fe	7439-89-6	mg/Kg	NA	NA	NA	16,500		19,300		20,500		16,700		21,600	
Lead, Pb	7439-92-1	mg/Kg	63	400	450	257		12.1		28.8		200		2.9	
Magnesium, Mg	7439-95-4	mg/Kg	NA	NA	NA	3,590		4,140		4,000		3,500		4,670	
Manganese, Mn	7439-96-5	mg/Kg	1600	2000	2000	301		352		380		310		506	
Mercury, Hg	7439-97-6	mg/Kg	0.18	0.81	0.73	0.06		0.04		0.19	N	0.12	N	< 0.03	UN
Nickel, Ni	7440-02-0	mg/Kg	30	310	130	18.9		29.6		35.9		13		26.4	
Potassium, K	9/7/7440	mg/Kg	NA	NA	NA	1,580		4,430		3,520	*	4,110	*	5,670	*
Selenium, Se	7782-49-2	mg/Kg	3.9	180	4	< 1.4	U	< 1.5	U	< 1.5	U	< 1.3	U	< 1.5	U
Silver, Ag	7440-22-4	mg/Kg	2	180	8.3	< 0.36	U	< 0.37	U	< 0.38	U	< 0.33	U	< 0.38	U
Sodium, Na	7440-23-5	mg/Kg	NA	NA	NA	136	N	109	N	111	N	113	N	232	N
Thallium, Ti	7440-28-0	mg/Kg	NA	NA	NA	< 1.4	U	< 1.5	U	< 1.5	U	< 1.3	U	< 1.5	U
Vanadium, V	7440-62-2	mg/Kg	NA	NA	NA	28.4		30.4		33.9		23.7		32.4	
Zinc, Zn	7440-66-6	mg/Kg	109	10000	2480	81.9		36.4		46.5		81.2		41.4	
Cyanide	57-12-5	mg/Kg	27	27	40	< 0.51	U	< 0.51	U	< 0.52	U	< 0.49	U	< 0.60	U

Table 7: Summary of RI Soil Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
ug/Kg: microgram per kilogram (ppb)
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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
Method Detection Limit (MDL) above the UUSCO
Result rejected due to severe QC exceedance

Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-31 0-2 FT / CA34773 / 4/23/2018		SB-31 4-6 FT / CA34774 / 4/23/2018		SB-32 0-2 FT / CA34770 / 4/23/2018		SB-33 0-2 FT / CA34758 / 4/23/2018		SB-33 10-11 FT / CA34759 / 4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
PCBs By SW8082A															
Aroclor 1016	12674-11-2	µg/Kg	100	1000	3200	< 76	U	< 74	U	< 76	U	< 72	U	< 79	U
Aroclor 1221	11104-28-2	µg/Kg				< 76	U	< 74	U	< 76	U	< 72	U	< 79	U
Aroclor 1232	11141-16-5	µg/Kg				< 76	U	< 74	U	< 76	U	< 72	U	< 79	U
Aroclor 1242	53469-21-9	µg/Kg				< 76	U	< 74	U	< 76	U	< 72	U	< 79	U
Aroclor 1248	12672-29-6	µg/Kg				< 76	U	< 74	U	< 76	U	< 72	U	< 79	U
Aroclor 1254	11097-69-1	µg/Kg				< 76	U	< 74	U	< 76	U	< 72	U	< 79	U
Aroclor 1260	11096-82-5	µg/Kg				< 76	U	< 74	U	< 76	U	< 72	U	< 79	U
Aroclor 1262	37324-23-5	µg/Kg				< 76	U	< 74	U	< 76	U	< 72	U	< 79	U
Aroclor 1268	11100-14-4	µg/Kg				< 76	U	< 74	U	< 76	U	< 72	U	< 79	U

Table 7: Summary of RI Soil Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
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Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-31 0-2 FT CA34773 4/23/2018		SB-31 4-6 FT CA34774 4/23/2018		SB-32 0-2 FT CA34770 4/23/2018		SB-33 0-2 FT CA34758 4/23/2018		SB-33 10-11 FT CA34759 4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides - Soil By SW8081B															
4,4-DDD	72-54-8	µg/Kg	3.3	13000	14000	< 2.3	U	< 2.2	U	< 2.3	U	< 2.2	U	< 2.4	U
4,4-DDE	72-55-9	µg/Kg	3.3	8900	17000	< 2.3	U	< 2.2	U	< 2.3	U	< 2.2	U	< 2.4	U
4,4-DDT	50-29-3	µg/Kg	3.3	7900	136000	< 2.3	U	< 2.2	U	< 2.3	U	< 2.2	U	< 2.4	U
alpha-BHC	319-84-6	µg/Kg	20	480	20	< 7.6	U	< 7.4	U	< 7.6	U	< 7.2	U	< 7.9	U
Chlordane	5103-71-9	µg/Kg	94	4200	2900	< 3.8	U	< 3.7	U	< 3.8	U	< 3.6	U	< 3.9	U
Aldrin	309-00-2	µg/Kg	5	97	190	< 3.8	U	< 3.7	U	< 3.8	U	< 3.6	U	< 3.9	U
beta-BHC	319-85-7	µg/Kg	36	360	90	< 7.6	U	< 7.4	U	< 7.6	U	< 7.2	U	< 7.9	U
Chlordane	57-74-9	µg/Kg	94	4200	2900	< 38	U	< 37	U	< 38	U	NR	U	< 39	U
delta-BHC	319-86-8	µg/Kg	40	100000	250	< 7.6	U	< 7.4	U	< 7.6	U	< 7.2	U	< 7.9	U
Dieldrin	60-57-1	µg/Kg	5	200	100	< 3.8	U	< 3.7	U	< 3.8	U	< 3.6	U	< 3.9	U
Endosulfan I	959-98-8	µg/Kg	2400	24000	102000	< 7.6	U	< 7.4	U	< 7.6	U	< 7.2	U	< 7.9	U
Endosulfan II	33213-65-9	µg/Kg	2400	24000	102000	< 7.6	U	< 7.4	U	< 7.6	U	< 7.2	U	< 7.9	U
Endosulfan Sulfate	1031-07-8	µg/Kg	2400	24000	1000000	< 7.6	U	< 7.4	U	< 7.6	U	< 7.2	U	< 7.9	U
Endrin	72-20-8	µg/Kg	14	11000	60	< 7.6	U	< 7.4	U	< 7.6	U	< 7.2	U	< 7.9	U
Endrin Aldehyde	7421-93-4	µg/Kg	NA	NA	NA	< 7.6	U	< 7.4	U	< 7.6	U	< 7.2	U	< 7.9	U
Endrin Ketone	53494-70-5	µg/Kg	NA	NA	NA	< 7.6	U	< 7.4	U	< 7.6	U	< 7.2	U	< 7.9	U
gamma-BHC	58-89-9	µg/Kg	100	1300	100	< 1.5	U	< 1.5	U	< 1.5	U	< 1.4	U	< 1.6	U
gamma-chlordane	5103-74-2	µg/Kg	NA	NA	14000	< 3.8	U	< 3.7	U	< 3.8	U	< 3.6	U	< 3.9	U
Heptachlor	76-44-8	µg/Kg	42	2100	380	< 7.6	U	< 7.4	U	< 7.6	U	< 7.2	U	< 7.9	U
Heptachlor Epoxide	1024-57-3	µg/Kg	NA	NA	20	< 7.6	U	< 7.4	U	< 7.6	U	< 7.2	U	< 7.9	U
Methoxychlor	72-43-5	µg/Kg	NA	NA	900000	< 38	U	< 37	U	< 38	U	< 36	U	< 39	U
Toxaphene	8001-35-2	µg/Kg	NA	NA	NA	< 150	U	< 150	U	< 150	U	NR	U	< 160	U

Table 7: Summary of RI Soil Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
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Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives
Method Detection Limit (MDL) above the UUSCO
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Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-31 0-2 FT / CA34773 / 4/23/2018		SB-31 4-6 FT / CA34774 / 4/23/2018		SB-32 0-2 FT / CA34770 / 4/23/2018		SB-33 0-2 FT / CA34758 / 4/23/2018		SB-33 10-11 FT / CA34759 / 4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Volatiles By SW8260C															
1,1,1-Trichloroethane	71-55-6	µg/Kg	680	100,000	680	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
1,1,2,2-Tetrachloroethane	79-34-5	µg/Kg	NA	NA	600	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
1,1,2-Trichloroethane	79-00-5	µg/Kg	NA	NA	NA	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
1,1-Dichloroethane	75-34-3	µg/Kg	270	26,000	270	< 5.2	U	<78 MDL	U	<74 MDL	U	< 5.3	U	< 5.0	U
1,1-Dichloroethene	75-35-4	µg/Kg	330	100,000	330	< 5.2	U	<39 MDL	U	<37 MDL	U	< 5.3	U	< 5.0	U
1,2,3-Trichlorobenzene	87-61-6	µg/Kg	NA	NA	NA	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
1,2,4-Trichlorobenzene	120-82-1	µg/Kg	NA	NA	3400	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
1,2-Dibromo-3-Chloropropane	96-12-8	µg/Kg	NA	NA	NA	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
1,2-Dibromoethane	106-93-4	µg/Kg	NA	NA	NA	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
1,2-Dichlorobenzene	95-50-1	µg/Kg	1,100	100,000	1,100	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
1,2-Dichloroethane	107-06-2	µg/Kg	20	3,100	20	< 5.2	U	<39 MDL	U	<37 MDL	U	< 5.3	U	< 5.0	U
1,2-Dichloropropane	78-87-5	µg/Kg	NA	NA	NA	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
1,3-Dichlorobenzene	541-73-1	µg/Kg	2,400	49,000	2,400	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
1,4-Dichlorobenzene	106-46-7	µg/Kg	1,800	13,000	1,800	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
2-Butanone	78-93-3	µg/Kg	NA	100,000	120	< 31	U	< 2300	U	< 2200	U	< 32	U	< 30	U
2-Hexanone	591-78-6	µg/Kg	NA	NA	NA	< 26	U	< 1900	U	< 1800	U	< 27	U	< 25	U
Acetone	67-64-1	µg/Kg	50	100,000	50	5.5	JS	<390 MDL	U	<370 MDL	U	12	JS	5.5	JS
Benzene	71-43-2	µg/Kg	60	4,800	60	< 5.2	U	< 60	U	< 60	U	< 5.3	U	< 5.0	U
Bromochloromethane	74-97-5	µg/Kg	NA	NA	NA	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Bromodichloromethane	75-27-4	µg/Kg	NA	NA	NA	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Bromoform	75-25-2	µg/Kg	NA	NA	NA	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Bromomethane	74-83-9	µg/Kg	NA	NA	NA	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Carbon Disulfide	75-15-0	µg/Kg	NA	NA	2700	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Carbon Tetrachloride	56-23-5	µg/Kg	760	2,400	760	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Chlorobenzene	108-90-7	µg/Kg	1,100	100,000	1,100	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Chlorodibromomethane	124-48-1	µg/Kg	NA	NA	NA	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U

Table 7: Summary of RI Soil Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
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mg/Kg: miligram per kilogram (ppm)
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
Method Detection Limit (MDL) above the UUSCO
Result rejected due to severe QC exceedance

Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-31 0-2 FT CA34773 4/23/2018		SB-31 4-6 FT CA34774 4/23/2018		SB-32 0-2 FT CA34770 4/23/2018		SB-33 0-2 FT CA34758 4/23/2018		SB-33 10-11 FT CA34759 4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Chloroethane	75-00-3	µg/Kg	NA	NA	1900	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Chloroform	67-66-3	µg/Kg	370	49,000	370	< 5.2	U	<39 MDL	U	< 370	U	< 5.3	U	< 5.0	U
Chloromethane	74-87-3	µg/Kg	NA	NA	NA	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
cis-1,2-Dichloroethene	156-59-2	µg/Kg	250	100,000	250	< 5.2	U	<39 MDL	U	<37 MDL	U	< 5.3	U	< 5.0	U
cis-1,3-Dichloropropene	10061-01-5	µg/Kg	NA	NA	NA	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Cyclohexane	110-82-7	µg/Kg	NA	NA	NA	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Dichlorodifluoromethane	75-71-8	µg/Kg	NA	NA	NA	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Ethylbenzene	100-41-4	µg/Kg	1,000	41,000	1,000	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Isopropylbenzene	98-82-8	µg/Kg	NA	NA	2300	< 5.2	U	90	J	< 370	U	< 5.3	U	< 5.0	U
m&p-Xylene	179601-23-1	µg/Kg				< 5.2	U	< 250	U	< 250	U	< 5.3	U	< 5.0	U
Methyl Isobutyl Ketone	108-10-1	µg/Kg	NA	NA	1000	< 26	U	< 1900	U	< 1800	U	< 27	U	< 25	U
Methyl Tert-Butyl Ether	1634-04-4	µg/Kg	930	100,000	930	< 10	U	< 780	U	< 740	U	< 11	U	< 10	U
Methylacetate	79-20-9	µg/Kg				< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Methylcyclohexane	108-87-2	µg/Kg				< 5.2	U	200	J	< 370	U	< 5.3	U	< 5.0	U
Methylene Chloride	75-09-2	µg/Kg	50	100,000	50	< 5.2	U	<39 MDL	U	<37 MDL	U	< 5.3	U	< 5.0	U
o-Xylene	95-47-6	µg/Kg	NA	NA	NA	< 5.2	U	< 250	U	< 250	U	< 5.3	U	< 5.0	U
Styrene	100-42-5	µg/Kg	NA	NA	NA	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Tetrachloroethene	127-18-4	µg/Kg	1,300	19,000	1,300	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Toluene	108-88-3	µg/Kg	700	100,000	700	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Total Xylenes	1330-20-7	µg/Kg	260	100000	1600	< 5.2	U	< 250	U	< 250	U	< 5.3	U	< 5.0	U
trans-1,2-Dichloroethene	156-60-5	µg/Kg	190	100,000	190	< 5.2	U	<39 MDL	U	<370 MDL	U	< 5.3	U	< 5.0	U
trans-1,3-Dichloropropene	10061-02-6	µg/Kg	NA	NA	NA	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Trichloroethene	79-01-6	µg/Kg	470	21,000	470	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Trichlorofluoromethane	75-69-4	µg/Kg	NA	NA	NA	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Trichlorotrifluoroethane	76-13-1	µg/Kg	NA	NA	6000	< 5.2	U	< 390	U	< 370	U	< 5.3	U	< 5.0	U
Vinyl Chloride	75-01-4	µg/Kg	20	900	20	< 5.2	U	<39 MDL	U	<37 MDL	U	< 5.3	U	< 5.0	U

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						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Semivolatiles By SW8270D															
1,1- Biphenyl	92-52-4	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
1,2,4,5-Tetrachlorobenzene	95-94-3	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
2,3,4,6-tetrachlorophenol	58-90-2	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
2,4,5-Trichlorophenol	95-95-4	µg/Kg	NA	NA	100	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
2,4,6-Trichlorophenol	88-06-2	µg/Kg	NA	NA	NA	< 150	U	< 150	U	< 150	U	< 140	U	< 160	U
2,4-Dichlorophenol	120-83-2	µg/Kg	NA	NA	400	< 150	U	< 150	U	< 150	U	< 140	U	< 160	U
2,4-Dimethylphenol	105-67-9	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
2,4-Dinitrophenol	51-28-5	µg/Kg	NA	NA	200	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
2,4-Dinitrotoluene	121-14-2	µg/Kg	NA	NA	NA	< 150	U	< 150	U	< 150	U	< 140	U	< 160	U
2,6-Dinitrotoluene	606-20-2	µg/Kg	NA	NA	170	< 150	U	< 150	U	< 150	U	< 140	U	< 160	U
2-Chloronaphthalene	91-58-7	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
2-Chlorophenol	95-57-8	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
2-Methylnaphthalene	91-57-6	µg/Kg	NA	NA	36400	< 260	U	120	J	1,500		< 250	U	< 270	U
2-Methylphenol	95-48-7	µg/Kg	330	100,000	330	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
2-Nitroaniline	88-74-4	µg/Kg	NA	NA	400	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
2-Nitrophenol	88-75-5	µg/Kg	NA	NA	300	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
3,3-Dichlorobenzidine	91-94-1	µg/Kg	NA	NA	NA	< 150	U	< 150	U	< 150	U	< 140	U	< 160	U
3+4 Methylphenol	NA	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
3-Nitroaniline	99-09-2	µg/Kg	NA	NA	500	< 740	U	< 740	U	< 760	U	< 720	U	< 780	U
4,6-Dinitro-2-methylphenol	534-52-1	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
4-Bromophenyl-phenyl ether	101-55-3	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
4-Chloro-3-methylphenol	59-50-7	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
4-Chloroaniline	106-47-8	µg/Kg	NA	NA	220	< 740	U	< 740	U	< 760	U	< 720	U	< 780	U
4-Chlorophenyl phenyl ether	7005-72-3	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
4-Nitroaniline	100-01-6	µg/Kg	NA	NA	NA	< 1900	U	< 1800	U	< 1900	U	< 1800	U	< 1900	U
4-Nitrophenol	100-02-7	µg/Kg	NA	NA	100	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Acenaphthene	83-32-9	µg/Kg	20,000	100,000	98,000	< 260	U	< 260	U	510		< 250	U	< 270	U
Acenaphthylene	208-96-8	µg/Kg	100,000	100,000	107,000	< 150	U	< 150	U	< 150	U	< 140	U	< 160	U
Acetophenone	98-86-2	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Anthracene	120-12-7	µg/Kg	100,000	100,000	1,000,000	< 260	U	< 260	U	320		< 250	U	< 270	U
Atrazine	1912-24-9	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Benzaldehyde	100-52-7	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Benzo-a-Anthracene	56-55-3	µg/Kg	1,000	1,000	1,000	< 260	U	220	J	< 260	U	< 250	U	< 270	U

Table 7: Summary of RI Soil Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
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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
Method Detection Limit (MDL) above the UUSCO
Result rejected due to severe QC exceedance

Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-31 0-2 FT CA34773 4/23/2018		SB-31 4-6 FT CA34774 4/23/2018		SB-32 0-2 FT CA34770 4/23/2018		SB-33 0-2 FT CA34758 4/23/2018		SB-33 10-11 FT CA34759 4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Benzo-a-Pyrene	50-32-8	µg/Kg	1,000	1,000	22,000	< 150	U	190		< 150	U	< 140	U	< 160	U
Benzo-b-Fluoranthene	205-99-2	µg/Kg	1,000	1,000	1,700	< 260	U	160	J	< 260	U	< 250	U	< 270	U
Benzo-g,h,i-Perylene	191-24-2	µg/Kg	100,000	100,000	1,000,000	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Benzo-k-Fluoranthene	207-08-9	µg/Kg	800	3,900	1,700	< 260	U	180	J	< 260	U	< 250	U	< 270	U
Bis(2-Chloroethoxy)methane	111-91-1	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Bis(2-Chloroethyl)ether	111-44-4	µg/Kg	NA	NA	NA	< 150	U	< 150	U	< 150	U	< 140	U	< 160	U
Bis(2-Chloroisopropyl)ether	39638-32-9	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Bis(2-Ethylhexyl)Phthalate	117-81-7	µg/Kg	NA	NA	435000	< 260	U	< 260	U	120	J	< 250	U	< 270	U
Butylbenzylphthalate	85-68-7	µg/Kg	NA	NA	122000	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Caprolactam	105-60-2	µg/Kg	NA	NA	NA	< 260	U	< 260	U	2,900		< 250	U	< 270	U
Carbazole	86-74-8	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Chrysene	218-01-9	µg/Kg	1,000	3,900	1,000	< 260	U	210	J	130	J	< 250	U	< 270	U
Dibenzo-a,h-Anthracene	53-70-3	µg/Kg	330	330	1000000	< 150	U	< 150	U	< 150	U	< 140	U	< 160	U
Dibenzofuran	132-64-9	µg/Kg	7000	59,000	6,200	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Diethyl Phthalate	84-66-2	µg/Kg	NA	NA	7100	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Dimethyl Phthalate	131-11-3	µg/Kg	NA	NA	27000	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Di-n-Butyl Phthalate	84-74-2	µg/Kg	NA	NA	8100	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Di-n-Octyl Phthalate	117-84-0	µg/Kg	NA	NA	120000	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Fluoranthene	206-44-0	µg/Kg	100,000	100,000	1,000,000	150	J	430		210	J	160	J	< 270	U
Fluorene	86-73-7	µg/Kg	30,000	100,000	386,000	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Hexachlorobenzene	118-74-1	µg/Kg	330	1,200	1400	< 150	U	< 150	U	< 150	U	< 140	U	< 160	U
Hexachlorobutadiene	87-68-3	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Hexachlorocyclopentadiene	77-47-4	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Hexachloroethane	67-72-1	µg/Kg	NA	NA	NA	< 150	U	< 150	U	< 150	U	< 140	U	< 160	U
Indeno(1,2,3-cd)Pyrene	193-39-5	µg/Kg	500	500	8200	< 260	U	130	J	< 260	U	< 250	U	< 270	U
Isophorone	78-59-1	µg/Kg	NA	NA	4400	< 150	U	< 150	U	< 150	U	< 140	U	< 160	U
Naphthalene	91-20-3	µg/Kg	12,000	100,000	12,000	< 260	U	< 260	U	450		< 250	U	< 270	U
Nitrobenzene	98-95-3	µg/Kg	NA	15000	170	< 150	U	< 150	U	< 150	U	< 140	U	< 160	U
N-Nitrosodimethylamine	62-75-9	µg/Kg	NA	NA	NA	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
N-Nitroso-di-n-Propylamine	621-64-7	µg/Kg	NA	NA	NA	< 150	U	< 150	U	< 150	U	< 140	U	< 160	U
N-Nitrosodiphenylamine	86-30-6	µg/Kg	NA	NA	NA	< 150	U	< 150	U	< 150	U	< 140	U	< 160	U
Pentachlorophenol	87-86-5	µg/Kg	800b	6,700	800e	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Phenanthrene	85-01-8	µg/Kg	100,000	100,000	1,000,000	< 150	U	480		1,900		< 140	U	< 160	U
Phenol	108-95-2	µg/Kg	330	100,000	330	< 260	U	< 260	U	< 260	U	< 250	U	< 270	U
Pyrene	129-00-0	µg/Kg	100,000	100,000	1,000,000	140	J	380		430		160	J	< 270	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
Method Detection Limit (MDL) above the UUSCO
Result rejected due to severe QC exceedance

Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-34 0-2 FT		SB-34 3-5 FT		SB-35 0-2 FT		SB-35 5-7 FT		SB-36 0-2 FT		SB-36 6-8 FT	
						CA34771		CA34772		CA34760		CA34761		CA34766		CA34767	
						4/23/2018		4/23/2018		4/23/2018		4/23/2018		4/23/2018		4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Metals, Total																	
Aluminum, Al	7429-90-5	mg/Kg	NA	NA	NA	5,810		24,500		11,200		18,000		7,860		8,870	
Antimony, Sb	7440-36-0	mg/Kg	NA	NA	NA	< 3.4	U	3.4	J	12.9		2.3	J	8.2		2.4	J
Arsenic, As	7440-38-2	mg/Kg	13	16	16	3.66		< 0.70	U	7.19		1.3		8.54		< 0.72	U
Barium, Ba	7440-39-3	mg/Kg	350	400	820	102		312		169		110		260		57.4	
Beryllium, Be	7440-41-7	mg/Kg	7.2	72	47	0.29		0.24	J	0.51		0.63		0.43		0.46	
Cadmium, Cd	7440-43-9	mg/Kg	2.5	4.3	7.5	< 0.34	U	< 0.35	U	0.79		< 0.39	U	1.19		< 0.36	U
Calcium, Ca	7440-70-2	mg/Kg	NA	NA	NA	88,600		16,300		3,730		2,090		8,760		918	
Chromium, Cr	7440-47-3	mg/Kg	30	110	NA	12.7		70.8		32.1		80.9		29.7		77	
Cobalt, Co	7440-48-4	mg/Kg	NA	NA	NA	4.49		24.1		10.2		15.5		8.89		18.5	
Copper, Cu	7440-50-8	mg/kg	50	270	1720	76.9		6.67		105		22.8		193		20.5	
Iron, Fe	7439-89-6	mg/Kg	NA	NA	NA	10,300		46,600		26,200		25,200		17,600		23,900	
Lead, Pb	7439-92-1	mg/Kg	63	400	450	29.7		< 0.7	U	1,140		3.4		1,560		3.8	
Magnesium, Mg	7439-95-4	mg/Kg	NA	NA	NA	44,100		13,000		3,680		9,190		6,110		2,840	
Manganese, Mn	7439-96-5	mg/Kg	1600	2000	2000	235		510		326		710		239		553	
Mercury, Hg	7439-97-6	mg/Kg	0.18	0.81	0.73	0.11	N	0.03	JN	0.06	N	< 0.03	UN	0.58	N	< 0.03	UN
Nickel, Ni	7440-02-0	mg/Kg	30	310	130	10.2		39.2		31.7		54.3		33.2		62.8	
Potassium, K	9/7/7440	mg/Kg	NA	NA	NA	1,840	*	17,800	*	1,710	*	4,880	*	1,350	*	1,760	*
Selenium, Se	7782-49-2	mg/Kg	3.9	180	4	< 1.4	U	< 1.4	U	< 1.6	U	< 1.6	U	< 1.4	U	< 1.4	U
Silver, Ag	7440-22-4	mg/Kg	2	180	8.3	< 0.34	U	< 0.35	U	< 0.40	U	< 0.39	U	0.76		< 0.36	U
Sodium, Na	7440-23-5	mg/Kg	NA	NA	NA	347	N	384	N	213	N	221	N	315	N	75	N
Thallium, Ti	7440-28-0	mg/Kg	NA	NA	NA	< 1.4	U	< 1.4	U	< 1.6	U	< 1.6	U	< 1.4	U	< 1.4	U
Vanadium, V	7440-62-2	mg/Kg	NA	NA	NA	22.6		108		31.8		42.2		27.2		24.7	
Zinc, Zn	7440-66-6	mg/Kg	109	10000	2480	67.3		92.6		297		56.2		403		27.9	
Cyanide	57-12-5	mg/Kg	27	27	40	< 0.48	U	< 0.52	U	< 0.58	U	< 0.57	U	0.82		< 0.53	U

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Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-34 0-2 FT		SB-34 3-5 FT		SB-35 0-2 FT		SB-35 5-7 FT		SB-36 0-2 FT		SB-36 6-8 FT	
						CA34771		CA34772		CA34760		CA34761		CA34766		CA34767	
						4/23/2018		4/23/2018		4/23/2018		4/23/2018		4/23/2018		4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
PCBs By SW8082A																	
Aroclor 1016	12674-11-2	µg/Kg	100	1000	3200	< 70	U	< 68	U	< 76	U	< 74	U	< 76	U	< 78	U
Aroclor 1221	11104-28-2	µg/Kg				< 70	U	< 68	U	< 76	U	< 74	U	< 76	U	< 78	U
Aroclor 1232	11141-16-5	µg/Kg				< 70	U	< 68	U	< 76	U	< 74	U	< 76	U	< 78	U
Aroclor 1242	53469-21-9	µg/Kg				< 70	U	< 68	U	< 76	U	< 74	U	< 76	U	< 78	U
Aroclor 1248	12672-29-6	µg/Kg				< 70	U	< 68	U	< 76	U	< 74	U	< 76	U	< 78	U
Aroclor 1254	11097-69-1	µg/Kg				120		< 68	U	< 76	U	< 74	U	< 76	U	< 78	U
Aroclor 1260	11096-82-5	µg/Kg				< 70	U	< 68	U	< 76	U	< 74	U	< 76	U	< 78	U
Aroclor 1262	37324-23-5	µg/Kg				< 70	U	< 68	U	< 76	U	< 74	U	< 76	U	< 78	U
Aroclor 1268	11100-14-4	µg/Kg				< 70	U	< 68	U	< 76	U	< 74	U	< 76	U	< 78	U

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						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides - Soil By SW8081B																	
4,4-DDD	72-54-8	µg/Kg	3.3	13000	14000	20		< 2.1	U	< 2.3	U	< 2.2	U	< 2.3	U	< 2.3	U
4,4-DDE	72-55-9	µg/Kg	3.3	8900	17000	< 5.0 MDL	U	< 2.1	U	< 2.3	U	< 2.2	U	< 2.3	U	< 2.3	U
4,4-DDT	50-29-3	µg/Kg	3.3	7900	136000	16		< 2.1	U	< 2.3	U	< 2.2	U	< 2.3	U	< 2.3	U
alpha-BHC	319-84-6	µg/Kg	20	480	20	< 7.0	U	< 6.8	U	< 7.6	U	< 7.4	U	< 7.6	U	< 7.8	U
Chlordane	5103-71-9	µg/Kg	94	4200	2900	< 3.5	U	< 3.4	U	< 3.8	U	< 3.7	U	< 3.8	U	< 3.9	U
Aldrin	309-00-2	µg/Kg	5	97	190	< 3.5	U	< 3.4	U	< 3.8	U	< 3.7	U	< 3.8	U	< 3.9	U
beta-BHC	319-85-7	µg/Kg	36	360	90	< 7.0	U	< 6.8	U	< 7.6	U	< 7.4	U	< 7.6	U	< 7.8	U
Chlordane	57-74-9	µg/Kg	94	4200	2900	< 35	U	< 34	U	< 38	U	< 37	U	< 38	U	< 39	U
delta-BHC	319-86-8	µg/Kg	40	100000	250	< 7.0	U	< 6.8	U	< 7.6	U	< 7.4	U	< 7.6	U	< 7.8	U
Dieldrin	60-57-1	µg/Kg	5	200	100	< 3.5	U	< 3.4	U	< 3.8	U	< 3.7	U	< 3.8	U	< 3.9	U
Endosulfan I	959-98-8	µg/Kg	2400	24000	102000	< 7.0	U	< 6.8	U	< 7.6	U	< 7.4	U	< 7.6	U	< 7.8	U
Endosulfan II	33213-65-9	µg/Kg	2400	24000	102000	< 7.0	U	< 6.8	U	< 7.6	U	< 7.4	U	< 7.6	U	< 7.8	U
Endosulfan Sulfate	1031-07-8	µg/Kg	2400	24000	1000000	< 7.0	U	< 6.8	U	< 7.6	U	< 7.4	U	< 7.6	U	< 7.8	U
Endrin	72-20-8	µg/Kg	14	11000	60	< 7.0	U	< 6.8	U	< 7.6	U	< 7.4	U	< 7.6	U	< 7.8	U
Endrin Aldehyde	7421-93-4	µg/Kg	NA	NA	NA	< 7.0	U	< 6.8	U	< 7.6	U	< 7.4	U	< 7.6	U	< 7.8	U
Endrin Ketone	53494-70-5	µg/Kg	NA	NA	NA	< 7.0	U	< 6.8	U	< 7.6	U	< 7.4	U	< 7.6	U	< 7.8	U
gamma-BHC	58-89-9	µg/Kg	100	1300	100	< 1.4	U	< 1.4	U	< 1.5	U	< 1.5	U	< 1.5	U	< 1.6	U
gamma-chlordane	5103-74-2	µg/Kg	NA	NA	14000	< 3.5	U	< 3.4	U	< 3.8	U	< 3.7	U	< 3.8	U	< 3.9	U
Heptachlor	76-44-8	µg/Kg	42	2100	380	< 7.0	U	< 6.8	U	< 7.6	U	< 7.4	U	< 7.6	U	< 7.8	U
Heptachlor Epoxide	1024-57-3	µg/Kg	NA	NA	20	< 7.0	U	< 6.8	U	< 7.6	U	< 7.4	U	< 7.6	U	< 7.8	U
Methoxychlor	72-43-5	µg/Kg	NA	NA	900000	< 35	U	< 34	U	< 38	U	< 37	U	< 38	U	< 39	U
Toxaphene	8001-35-2	µg/Kg	NA	NA	NA	< 140	U	< 140	U	< 150	U	< 150	U	< 150	U	< 160	U

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mg/Kg: miligram per kilogram (ppm)
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
Method Detection Limit (MDL) above the UUSCO
Result rejected due to severe QC exceedance

Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-34 0-2 FT CA34771 4/23/2018		SB-34 3-5 FT CA34772 4/23/2018		SB-35 0-2 FT CA34760 4/23/2018		SB-35 5-7 FT CA34761 4/23/2018		SB-36 0-2 FT CA34766 4/23/2018		SB-36 6-8 FT CA34767 4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Volatiles By SW8260C																	
1,1,1-Trichloroethane	71-55-6	µg/Kg	680	100,000	680	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
1,1,2,2-Tetrachloroethane	79-34-5	µg/Kg	NA	NA	600	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
1,1,2-Trichloroethane	79-00-5	µg/Kg	NA	NA	NA	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
1,1-Dichloroethane	75-34-3	µg/Kg	270	26,000	270	< 4.5	U	<74 MDL	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
1,1-Dichloroethene	75-35-4	µg/Kg	330	100,000	330	< 4.5	U	<37 MDL	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
1,2,3-Trichlorobenzene	87-61-6	µg/Kg	NA	NA	NA	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
1,2,4-Trichlorobenzene	120-82-1	µg/Kg	NA	NA	3400	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
1,2-Dibromo-3-Chloropropane	96-12-8	µg/Kg	NA	NA	NA	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
1,2-Dibromoethane	106-93-4	µg/Kg	NA	NA	NA	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
1,2-Dichlorobenzene	95-50-1	µg/Kg	1,100	100,000	1,100	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
1,2-Dichloroethane	107-06-2	µg/Kg	20	3,100	20	< 4.5	U	<37 MDL	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
1,2-Dichloropropane	78-87-5	µg/Kg	NA	NA	NA	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
1,3-Dichlorobenzene	541-73-1	µg/Kg	2,400	49,000	2,400	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
1,4-Dichlorobenzene	106-46-7	µg/Kg	1,800	13,000	1,800	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
2-Butanone	78-93-3	µg/Kg	NA	100,000	120	< 27	U	< 2200	U	< 34	U	< 30	U	< 42	U	< 31	U
2-Hexanone	591-78-6	µg/Kg	NA	NA	NA	< 22	U	< 1800	U	< 28	U	< 25	U	< 35	U	< 26	U
Acetone	67-64-1	µg/Kg	50	100,000	50	17	JS	<370 MDL	U	9.5	JS	9.5	JS	12	JS	7.2	JS
Benzene	71-43-2	µg/Kg	60	4,800	60	< 4.5	U	< 60	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Bromochloromethane	74-97-5	µg/Kg	NA	NA	NA	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Bromodichloromethane	75-27-4	µg/Kg	NA	NA	NA	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Bromoform	75-25-2	µg/Kg	NA	NA	NA	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Bromomethane	74-83-9	µg/Kg	NA	NA	NA	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Carbon Disulfide	75-15-0	µg/Kg	NA	NA	2700	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Carbon Tetrachloride	56-23-5	µg/Kg	760	2,400	760	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Chlorobenzene	108-90-7	µg/Kg	1,100	100,000	1,100	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Chlorodibromomethane	124-48-1	µg/Kg	NA	NA	NA	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U

Table 7: Summary of RI Soil Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
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mg/Kg: miligram per kilogram (ppm)
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
Method Detection Limit (MDL) above the UUSCO
Result rejected due to severe QC exceedance

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-34 0-2 FT		SB-34 3-5 FT		SB-35 0-2 FT		SB-35 5-7 FT		SB-36 0-2 FT		SB-36 6-8 FT	
	Lab ID					CA34771		CA34772		CA34760		CA34761		CA34766		CA34767	
	Sample Date					4/23/2018		4/23/2018		4/23/2018		4/23/2018		4/23/2018		4/23/2018	
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Chloroethane	75-00-3	µg/Kg	NA	NA	1900	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Chloroform	67-66-3	µg/Kg	370	49,000	370	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Chloromethane	74-87-3	µg/Kg	NA	NA	NA	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
cis-1,2-Dichloroethene	156-59-2	µg/Kg	250	100,000	250	< 4.5	U	<37 MDL	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
cis-1,3-Dichloropropene	10061-01-5	µg/Kg	NA	NA	NA	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Cyclohexane	110-82-7	µg/Kg	NA	NA	NA	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Dichlorodifluoromethane	75-71-8	µg/Kg	NA	NA	NA	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Ethylbenzene	100-41-4	µg/Kg	1,000	41,000	1,000	590	R	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Isopropylbenzene	98-82-8	µg/Kg	NA	NA	2300	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	+++IND	U	< 5.1	U
m&p-Xylene	179601-23-1	µg/Kg				2,700		< 250	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Methyl Isobutyl Ketone	108-10-1	µg/Kg	NA	NA	1000	< 22	U	< 1800	U	< 28	U	< 25	U	< 35	U	< 26	U
Methyl Tert-Butyl Ether	1634-04-4	µg/Kg	930	100,000	930	< 8.9	U	< 740	U	< 11	U	< 10	U	< 14	U	< 10	U
Methylacetate	79-20-9	µg/Kg				< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Methylcyclohexane	108-87-2	µg/Kg				< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Methylene Chloride	75-09-2	µg/Kg	50	100,000	50	< 4.5	U	37 MDL	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
o-Xylene	95-47-6	µg/Kg	NA	NA	NA	790	R	< 250	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Styrene	100-42-5	µg/Kg	NA	NA	NA	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Tetrachloroethene	127-18-4	µg/Kg	1,300	19,000	1,300	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Toluene	108-88-3	µg/Kg	700	100,000	700	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Total Xylenes	1330-20-7	µg/Kg	260	100000	1600	3,490		< 250	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
trans-1,2-Dichloroethene	156-60-5	µg/Kg	190	100,000	190	< 4.5	U	<37 MDL	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
trans-1,3-Dichloropropene	10061-02-6	µg/Kg	NA	NA	NA	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Trichloroethene	79-01-6	µg/Kg	470	21,000	470	< 4.5	U	< 370	U	2.2	J	< 5.0	U	3,100	D	5.2	
Trichlorofluoromethane	75-69-4	µg/Kg	NA	NA	NA	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Trichlorotrifluoroethane	76-13-1	µg/Kg	NA	NA	6000	< 4.5	U	< 370	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U
Vinyl Chloride	75-01-4	µg/Kg	20	900	20	< 4.5	U	<37 MDL	U	< 5.6	U	< 5.0	U	< 7.1	U	< 5.1	U

Table 7: Summary of RI Soil Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
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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
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Result rejected due to severe QC exceedance

Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-34 0-2 FT CA34771 4/23/2018		SB-34 3-5 FT CA34772 4/23/2018		SB-35 0-2 FT CA34760 4/23/2018		SB-35 5-7 FT CA34761 4/23/2018		SB-36 0-2 FT CA34766 4/23/2018		SB-36 6-8 FT CA34767 4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Semivolatiles By SW8270D																	
1,1- Biphenyl	92-52-4	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
1,2,4,5-Tetrachlorobenzene	95-94-3	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
2,3,4,6-tetrachlorophenol	58-90-2	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
2,4,5-Trichlorophenol	95-95-4	µg/Kg	NA	NA	100	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
2,4,6-Trichlorophenol	88-06-2	µg/Kg	NA	NA	NA	< 140	U	< 140	U	< 150	U	< 150	U	< 150	U	< 160	U
2,4-Dichlorophenol	120-83-2	µg/Kg	NA	NA	400	< 140	U	< 140	U	< 150	U	< 150	U	< 150	U	< 160	U
2,4-Dimethylphenol	105-67-9	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
2,4-Dinitrophenol	51-28-5	µg/Kg	NA	NA	200	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
2,4-Dinitrotoluene	121-14-2	µg/Kg	NA	NA	NA	< 140	U	< 140	U	< 150	U	< 150	U	< 150	U	< 160	U
2,6-Dinitrotoluene	606-20-2	µg/Kg	NA	NA	170	< 140	U	< 140	U	< 150	U	< 150	U	< 150	U	< 160	U
2-Chloronaphthalene	91-58-7	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
2-Chlorophenol	95-57-8	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
2-Methylnaphthalene	91-57-6	µg/Kg	NA	NA	36400	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
2-Methylphenol	95-48-7	µg/Kg	330	100,000	330	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
2-Nitroaniline	88-74-4	µg/Kg	NA	NA	400	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
2-Nitrophenol	88-75-5	µg/Kg	NA	NA	300	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
3,3-Dichlorobenzidine	91-94-1	µg/Kg	NA	NA	NA	< 140	U	< 140	U	< 150	U	< 150	U	< 150	U	< 160	U
3+4 Methylphenol	NA	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
3-Nitroaniline	99-09-2	µg/Kg	NA	NA	500	< 700	U	< 680	U	< 750	U	< 750	U	< 760	U	< 780	U
4,6-Dinitro-2-methylphenol	534-52-1	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
4-Bromophenyl-phenyl ether	101-55-3	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
4-Chloro-3-methylphenol	59-50-7	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
4-Chloroaniline	106-47-8	µg/Kg	NA	NA	220	< 700	U	< 680	U	< 750	U	< 750	U	< 760	U	< 780	U
4-Chlorophenyl phenyl ether	7005-72-3	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
4-Nitroaniline	100-01-6	µg/Kg	NA	NA	NA	< 1700	U	< 1700	U	< 1900	U	< 1900	U	< 1900	U	< 2000	U
4-Nitrophenol	100-02-7	µg/Kg	NA	NA	100	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Acenaphthene	83-32-9	µg/Kg	20,000	100,000	98,000	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Acenaphthylene	208-96-8	µg/Kg	100,000	100,000	107,000	< 140	U	< 140	U	< 150	U	< 150	U	710		< 160	U
Acetophenone	98-86-2	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Anthracene	120-12-7	µg/Kg	100,000	100,000	1,000,000	< 240	U	130	J	< 260	U	< 260	U	290		< 270	U
Atrazine	1912-24-9	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Benzaldehyde	100-52-7	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Benzo-a-Anthracene	56-55-3	µg/Kg	1,000	1,000	1,000	< 240	U	< 240	U	410		< 260	U	910		< 270	U

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	Lab ID					CA34771		CA34772		CA34760		CA34761		CA34766		CA34767	
	Sample Date					4/23/2018		4/23/2018		4/23/2018		4/23/2018		4/23/2018		4/23/2018	
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Benzo-a-Pyrene	50-32-8	µg/Kg	1,000	1,000	22,000	< 140	U	< 140	U	460		< 150	U	1,400		< 160	U
Benzo-b-Fluoranthene	205-99-2	µg/Kg	1,000	1,000	1,700	< 240	U	< 240	U	530		< 260	U	1,400		< 270	U
Benzo-g,h,i-Perylene	191-24-2	µg/Kg	100,000	100,000	1,000,000	< 240	U	< 240	U	390		< 260	U	1,100		< 270	U
Benzo-k-Fluoranthene	207-08-9	µg/Kg	800	3,900	1,700	< 240	U	< 240	U	430		< 260	U	1,100		< 270	U
Bis(2-Chloroethoxy)methane	111-91-1	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Bis(2-Chloroethyl)ether	111-44-4	µg/Kg	NA	NA	NA	< 140	U	< 140	U	< 150	U	< 150	U	< 150	U	< 160	U
Bis(2-Chloroisopropyl)ether	39638-32-9	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Bis(2-Ethylhexyl)Phthalate	117-81-7	µg/Kg	NA	NA	435000	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Butylbenzylphthalate	85-68-7	µg/Kg	NA	NA	122000	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Caprolactam	105-60-2	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Carbazole	86-74-8	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Chrysene	218-01-9	µg/Kg	1,000	3,900	1,000	< 240	U	< 240	U	500		< 260	U	980		< 270	U
Dibenzo-a,h-Anthracene	53-70-3	µg/Kg	330	330	1000000	< 140	U	< 140	U	< 150	U	< 150	U	280		< 160	U
Dibenzofuran	132-64-9	µg/Kg	7000	59,000	6,200	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Diethyl Phthalate	84-66-2	µg/Kg	NA	NA	7100	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Dimethyl Phthalate	131-11-3	µg/Kg	NA	NA	27000	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Di-n-Butyl Phthalate	84-74-2	µg/Kg	NA	NA	8100	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Di-n-Octyl Phthalate	117-84-0	µg/Kg	NA	NA	120000	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Fluoranthene	206-44-0	µg/Kg	100,000	100,000	1,000,000	< 240	U	< 240	U	630		< 260	U	1,100		< 270	U
Fluorene	86-73-7	µg/Kg	30,000	100,000	386,000	< 240	U	280		< 260	U	< 260	U	< 270	U	< 270	U
Hexachlorobenzene	118-74-1	µg/Kg	330	1,200	1400	< 140	U	< 140	U	< 150	U	< 150	U	< 150	U	< 160	U
Hexachlorobutadiene	87-68-3	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Hexachlorocyclopentadiene	77-47-4	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Hexachloroethane	67-72-1	µg/Kg	NA	NA	NA	< 140	U	< 140	U	< 150	U	< 150	U	< 150	U	< 160	U
Indeno(1,2,3-cd)Pyrene	193-39-5	µg/Kg	500	500	8200	< 240	U	< 240	U	450		< 260	U	1,300		< 270	U
Isophorone	78-59-1	µg/Kg	NA	NA	4400	< 140	U	< 140	U	< 150	U	< 150	U	< 150	U	< 160	U
Naphthalene	91-20-3	µg/Kg	12,000	100,000	12,000	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Nitrobenzene	98-95-3	µg/Kg	NA	15000	170	< 140	U	< 140	U	< 150	U	< 150	U	< 150	U	< 160	U
N-Nitrosodimethylamine	62-75-9	µg/Kg	NA	NA	NA	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
N-Nitroso-di-n-Propylamine	621-64-7	µg/Kg	NA	NA	NA	< 140	U	< 140	U	< 150	U	< 150	U	< 150	U	< 160	U
N-Nitrosodiphenylamine	86-30-6	µg/Kg	NA	NA	NA	< 140	U	< 140	U	< 150	U	< 150	U	< 150	U	< 160	U
Pentachlorophenol	87-86-5	µg/Kg	800b	6,700	800e	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Phenanthrene	85-01-8	µg/Kg	100,000	100,000	1,000,000	< 140	U	570		150		< 150	U	310		< 160	U
Phenol	108-95-2	µg/Kg	330	100,000	330	< 240	U	< 240	U	< 260	U	< 260	U	< 270	U	< 270	U
Pyrene	129-00-0	µg/Kg	100,000	100,000	1,000,000	< 240	U	< 240	U	590		< 260	U	1,100		< 270	U

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The Huguenot Site, New Rochelle, New York

Notes:
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Analyte detected
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Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives
Method Detection Limit (MDL) above the UUSCO
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Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-37 0-2 FT		SB-37 6-8 FT		SB-38 0-2 FT		SB-38 3-5 FT		SB-39 0-2 FT		SB-39 5-7 FT	
						CA34768		CA34769		CA34753		CA34754		CA34762		CA34763	
						4/23/2018		4/23/2018		4/23/2018		4/23/2018		4/23/2018		4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Metals, Total																	
Aluminum, Al	7429-90-5	mg/Kg	NA	NA	NA	12,400		13,000		11,800		11,800		6,020		14,300	
Antimony, Sb	7440-36-0	mg/Kg	NA	NA	NA	5.4		< 3.6	U	6.1		< 3.7	U	< 3.7	U	2.6	J
Arsenic, As	7440-38-2	mg/Kg	13	16	16	8.77		< 0.72	U	9.93		5.12		1.81		< 0.75	U
Barium, Ba	7440-39-3	mg/Kg	350	400	820	201		93.3		142		120		81.8		101	
Beryllium, Be	7440-41-7	mg/Kg	7.2	72	47	0.59		0.44		0.67		0.59		0.25	J	0.52	
Cadmium, Cd	7440-43-9	mg/Kg	2.5	4.3	7.5	0.92		< 0.36	U	1.54		< 0.37	U	< 0.37	U	< 0.37	U
Calcium, Ca	7440-70-2	mg/Kg	NA	NA	NA	5,400		1,220		2,190		2,130		11,900		1,700	
Chromium, Cr	7440-47-3	mg/Kg	30	110	NA	30.7		39.6		35.6		27.2		18.8		37.5	
Cobalt, Co	7440-48-4	mg/Kg	NA	NA	NA	11.2		11.2		11		10.7		6.39		10.8	
Copper, Cu	7440-50-8	mg/kg	50	270	1720	63.6		21.7		59.4		55.6		27.5		27.8	
Iron, Fe	7439-89-6	mg/Kg	NA	NA	NA	22,800		21,100		19,100		17,500		12,900		23,200	
Lead, Pb	7439-92-1	mg/Kg	63	400	450	1,360		3.1		838		357		46.9		3.3	
Magnesium, Mg	7439-95-4	mg/Kg	NA	NA	NA	4,800		4,700		4,610		2,720		4,980		5,580	
Manganese, Mn	7439-96-5	mg/Kg	1600	2000	2000	461		647		393		497		181		1,200	
Mercury, Hg	7439-97-6	mg/Kg	0.18	0.81	0.73	0.36		< 0.03	UN	0.32	N	0.08	N	0.12	N	< 0.03	UN
Nickel, Ni	7440-02-0	mg/Kg	30	310	130	34.2		43		47.3		35.5		13		46	
Potassium, K	9/7/7440	mg/Kg	NA	NA	NA	2,060	*	4,470		1,560	*	1,490	*	2,070	*	6,430	*
Selenium, Se	7782-49-2	mg/Kg	3.9	180	4	< 1.5	U	< 1.4	*	< 1.6	U	< 1.5	U	< 1.5	U	< 1.5	U
Silver, Ag	7440-22-4	mg/Kg	2	180	8.3	< 0.38	U	< 0.36	U	< 0.41	U	< 0.37	U	< 0.37	U	< 0.37	U
Sodium, Na	7440-23-5	mg/Kg	NA	NA	NA	195	N	73	N	116	N	191	N	152	N	108	N
Thallium, Ti	7440-28-0	mg/Kg	NA	NA	NA	< 1.5	U	< 1.4	U	< 1.6	U	< 1.5	U	< 1.5	U	< 1.5	U
Vanadium, V	7440-62-2	mg/Kg	NA	NA	NA	39.7		33.5		32.3		31		32.6		41.1	
Zinc, Zn	7440-66-6	mg/Kg	109	10000	2480	358		38.9		355		94.2		70.3		48.6	
Cyanide	57-12-5	mg/Kg	27	27	40	< 0.56	UJ	< 0.49	U	< 0.66	U	< 0.59	U	< 0.48	U	< 0.52	U

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Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-37 0-2 FT		SB-37 6-8 FT		SB-38 0-2 FT		SB-38 3-5 FT		SB-39 0-2 FT		SB-39 5-7 FT	
						CA34768		CA34769		CA34753		CA34754		CA34762		CA34763	
						4/23/2018		4/23/2018		4/23/2018		4/23/2018		4/23/2018		4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
PCBs By SW8082A																	
Aroclor 1016	12674-11-2	µg/Kg	100	1000	3200	< 80	U	< 70	U	< 87	U	< 78	U	< 71	U	< 760	U
Aroclor 1221	11104-28-2	µg/Kg				< 80	U	< 70	U	< 87	U	< 78	U	< 71	U	< 760	U
Aroclor 1232	11141-16-5	µg/Kg				< 80	U	< 70	U	< 87	U	< 78	U	< 71	U	< 760	U
Aroclor 1242	53469-21-9	µg/Kg				< 80	U	< 70	U	< 87	U	< 78	U	< 71	U	< 760	U
Aroclor 1248	12672-29-6	µg/Kg				< 80	U	< 70	U	< 87	U	< 78	U	< 71	U	< 760	U
Aroclor 1254	11097-69-1	µg/Kg				< 80	U	< 70	U	< 87	U	< 78	U	< 71	U	< 760	U
Aroclor 1260	11096-82-5	µg/Kg				< 80	U	< 70	U	< 87	U	< 78	U	< 71	U	< 760	U
Aroclor 1262	37324-23-5	µg/Kg				< 80	U	< 70	U	< 87	U	< 78	U	< 71	U	< 760	U
Aroclor 1268	11100-14-4	µg/Kg				< 80	U	< 70	U	< 87	U	< 78	U	< 71	U	< 760	U

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						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides - Soil By SW8081B																	
4,4-DDD	72-54-8	µg/Kg	3.3	13000	14000	< 2.4	U	< 2.1	U	< 2.6	U	< 2.4	U	< 2.1	U	< 2.3	U
4,4-DDE	72-55-9	µg/Kg	3.3	8900	17000	< 2.4	U	< 2.1	U	< 2.6	U	< 2.4	U	< 3.3	U	< 2.3	U
4,4-DDT	50-29-3	µg/Kg	3.3	7900	136000	< 2.4	U	< 2.1	U	< 2.6	U	< 2.4	U	9.4		< 2.3	U
alpha-BHC	319-84-6	µg/Kg	20	480	20	< 8.0	U	< 7.0	U	< 8.7	U	< 7.8	U	< 7.1	U	< 7.6	U
Chlordane	5103-71-9	µg/Kg	94	4200	2900	< 4.0	U	< 3.5	U	< 4.3	U	< 3.9	U	5.2		< 3.8	U
Aldrin	309-00-2	µg/Kg	5	97	190	< 4.0	U	< 3.5	U	< 4.3	U	< 3.9	U	< 3.5	U	< 3.8	U
beta-BHC	319-85-7	µg/Kg	36	360	90	< 8.0	U	< 7.0	U	< 8.7	U	< 7.8	U	< 7.1	U	< 7.6	U
Chlordane	57-74-9	µg/Kg	94	4200	2900	< 40	U	< 35	U	< 43	U	< 39	U	32		< 38	U
delta-BHC	319-86-8	µg/Kg	40	100000	250	< 8.0	U	< 7.0	U	< 8.7	U	< 7.8	U	< 7.1	U	< 7.6	U
Dieldrin	60-57-1	µg/Kg	5	200	100	< 4.0	U	< 3.5	U	< 4.3	U	< 3.9	U	< 3.5	U	< 3.8	U
Endosulfan I	959-98-8	µg/Kg	2400	24000	102000	< 8.0	U	< 7.0	U	< 8.7	U	< 7.8	U	< 7.1	U	< 7.6	U
Endosulfan II	33213-65-9	µg/Kg	2400	24000	102000	< 8.0	U	< 7.0	U	< 8.7	U	< 7.8	U	< 7.1	U	< 7.6	U
Endosulfan Sulfate	1031-07-8	µg/Kg	2400	24000	1000000	< 8.0	U	< 7.0	U	< 8.7	U	< 7.8	U	< 7.1	U	< 7.6	U
Endrin	72-20-8	µg/Kg	14	11000	60	< 8.0	U	< 7.0	U	< 8.7	U	< 7.8	U	< 7.1	U	< 7.6	U
Endrin Aldehyde	7421-93-4	µg/Kg	NA	NA	NA	< 8.0	U	< 7.0	U	< 8.7	U	< 7.8	U	< 7.1	U	< 7.6	U
Endrin Ketone	53494-70-5	µg/Kg	NA	NA	NA	< 8.0	U	< 7.0	U	< 8.7	U	< 7.8	U	< 7.1	U	< 7.6	U
gamma-BHC	58-89-9	µg/Kg	100	1300	100	< 1.6	U	< 1.4	U	< 1.7	U	< 1.6	U	< 1.4	U	< 1.5	U
gamma-chlordane	5103-74-2	µg/Kg	NA	NA	14000	< 4.0	U	< 3.5	U	< 4.3	U	< 3.9	U	3.5		< 3.8	U
Heptachlor	76-44-8	µg/Kg	42	2100	380	< 8.0	U	< 7.0	U	< 8.7	U	< 7.8	U	< 7.1	U	< 7.6	U
Heptachlor Epoxide	1024-57-3	µg/Kg	NA	NA	20	< 8.0	U	< 7.0	U	< 8.7	U	< 7.8	U	< 7.1	U	< 7.6	U
Methoxychlor	72-43-5	µg/Kg	NA	NA	900000	< 40	U	< 35	U	< 43	U	< 39	U	< 35	U	< 38	U
Toxaphene	8001-35-2	µg/Kg	NA	NA	NA	< 160	U	< 140	U	< 170	U	< 160	U	< 140	U	< 150	U

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Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-37 0-2 FT CA34768 4/23/2018		SB-37 6-8 FT CA34769 4/23/2018		SB-38 0-2 FT CA34753 4/23/2018		SB-38 3-5 FT CA34754 4/23/2018		SB-39 0-2 FT CA34762 4/23/2018		SB-39 5-7 FT CA34763 4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Volatiles By SW8260C																	
1,1,1-Trichloroethane	71-55-6	µg/Kg	680	100,000	680	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
1,1,2,2-Tetrachloroethane	79-34-5	µg/Kg	NA	NA	600	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
1,1,2-Trichloroethane	79-00-5	µg/Kg	NA	NA	NA	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
1,1-Dichloroethane	75-34-3	µg/Kg	270	26,000	270	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	<75 MDL	U
1,1-Dichloroethene	75-35-4	µg/Kg	330	100,000	330	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	<37 MDL	U
1,2,3-Trichlorobenzene	87-61-6	µg/Kg	NA	NA	NA	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
1,2,4-Trichlorobenzene	120-82-1	µg/Kg	NA	NA	3400	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
1,2-Dibromo-3-Chloropropane	96-12-8	µg/Kg	NA	NA	NA	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
1,2-Dibromoethane	106-93-4	µg/Kg	NA	NA	NA	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
1,2-Dichlorobenzene	95-50-1	µg/Kg	1,100	100,000	1,100	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
1,2-Dichloroethane	107-06-2	µg/Kg	20	3,100	20	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	<37 MDL	U
1,2-Dichloropropane	78-87-5	µg/Kg	NA	NA	NA	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
1,3-Dichlorobenzene	541-73-1	µg/Kg	2,400	49,000	2,400	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
1,4-Dichlorobenzene	106-46-7	µg/Kg	1,800	13,000	1,800	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
2-Butanone	78-93-3	µg/Kg	NA	100,000	120	< 37	U	< 31	U	< 47	U	< 36	U	< 33	U	< 2200	U
2-Hexanone	591-78-6	µg/Kg	NA	NA	NA	< 31	U	< 26	U	< 39	U	< 30	U	< 27	U	< 1900	U
Acetone	67-64-1	µg/Kg	50	100,000	50	17	JS	< 26	U	8.9	JS	19	JS	8.3	JS	<370 MDL	U
Benzene	71-43-2	µg/Kg	60	4,800	60	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 60	U
Bromochloromethane	74-97-5	µg/Kg	NA	NA	NA	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Bromodichloromethane	75-27-4	µg/Kg	NA	NA	NA	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Bromoform	75-25-2	µg/Kg	NA	NA	NA	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Bromomethane	74-83-9	µg/Kg	NA	NA	NA	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Carbon Disulfide	75-15-0	µg/Kg	NA	NA	2700	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Carbon Tetrachloride	56-23-5	µg/Kg	760	2,400	760	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Chlorobenzene	108-90-7	µg/Kg	1,100	100,000	1,100	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Chlorodibromomethane	124-48-1	µg/Kg	NA	NA	NA	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U

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	Lab ID					CA34768		CA34769		CA34753		CA34754		CA34762		CA34763	
	Sample Date					4/23/2018		4/23/2018		4/23/2018		4/23/2018		4/23/2018		4/23/2018	
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Chloroethane	75-00-3	µg/Kg	NA	NA	1900	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Chloroform	67-66-3	µg/Kg	370	49,000	370	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Chloromethane	74-87-3	µg/Kg	NA	NA	NA	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
cis-1,2-Dichloroethene	156-59-2	µg/Kg	250	100,000	250	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	<37 MDL	U
cis-1,3-Dichloropropene	10061-01-5	µg/Kg	NA	NA	NA	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Cyclohexane	110-82-7	µg/Kg	NA	NA	NA	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Dichlorodifluoromethane	75-71-8	µg/Kg	NA	NA	NA	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Ethylbenzene	100-41-4	µg/Kg	1,000	41,000	1,000	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Isopropylbenzene	98-82-8	µg/Kg	NA	NA	2300	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	560	
m&p-Xylene	179601-23-1	µg/Kg				< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 250	U
Methyl Isobutyl Ketone	108-10-1	µg/Kg	NA	NA	1000	< 31	U	< 26	U	< 39	U	< 30	U	< 27	U	< 1900	U
Methyl Tert-Butyl Ether	1634-04-4	µg/Kg	930	100,000	930	< 12	U	< 10	U	< 16	U	< 12	U	< 11	U	< 750	U
Methylacetate	79-20-9	µg/Kg				< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Methylcyclohexane	108-87-2	µg/Kg				< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	1,100	D
Methylene Chloride	75-09-2	µg/Kg	50	100,000	50	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	<37 MDL	U
o-Xylene	95-47-6	µg/Kg	NA	NA	NA	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 250	U
Styrene	100-42-5	µg/Kg	NA	NA	NA	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Tetrachloroethene	127-18-4	µg/Kg	1,300	19,000	1,300	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Toluene	108-88-3	µg/Kg	700	100,000	700	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Total Xylenes	1330-20-7	µg/Kg	260	100000	1600	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 250	U
trans-1,2-Dichloroethene	156-60-5	µg/Kg	190	100,000	190	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	<37 MDL	U
trans-1,3-Dichloropropene	10061-02-6	µg/Kg	NA	NA	NA	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Trichloroethene	79-01-6	µg/Kg	470	21,000	470	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Trichlorofluoromethane	75-69-4	µg/Kg	NA	NA	NA	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Trichlorotrifluoroethane	76-13-1	µg/Kg	NA	NA	6000	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	< 370	U
Vinyl Chloride	75-01-4	µg/Kg	20	900	20	< 6.2	U	< 5.1	U	< 7.8	U	< 6.0	U	< 5.4	U	<37 MDL	U

Table 7: Summary of RI Soil Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
ug/Kg: microgram per kilogram (ppb)
mg/Kg: miligram per kilogram (ppm)
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
Method Detection Limit (MDL) above the UUSCO
Result rejected due to severe QC exceedance

Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-37 0-2 FT CA34768 4/23/2018		SB-37 6-8 FT CA34769 4/23/2018		SB-38 0-2 FT CA34753 4/23/2018		SB-38 3-5 FT CA34754 4/23/2018		SB-39 0-2 FT CA34762 4/23/2018		SB-39 5-7 FT CA34763 4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Semivolatiles By SW8270D																	
1,1- Biphenyl	92-52-4	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
1,2,4,5-Tetrachlorobenzene	95-94-3	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
2,3,4,6-tetrachlorophenol	58-90-2	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
2,4,5-Trichlorophenol	95-95-4	µg/Kg	NA	NA	100	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
2,4,6-Trichlorophenol	88-06-2	µg/Kg	NA	NA	NA	< 160	U	< 140	U	< 170	U	< 160	U	< 140	U	< 150	U
2,4-Dichlorophenol	120-83-2	µg/Kg	NA	NA	400	< 160	U	< 140	U	< 170	U	< 160	U	< 140	U	< 150	U
2,4-Dimethylphenol	105-67-9	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
2,4-Dinitrophenol	51-28-5	µg/Kg	NA	NA	200	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
2,4-Dinitrotoluene	121-14-2	µg/Kg	NA	NA	NA	< 160	U	< 140	U	< 170	U	< 160	U	< 140	U	< 150	U
2,6-Dinitrotoluene	606-20-2	µg/Kg	NA	NA	170	< 160	U	< 140	U	< 170	U	< 160	U	< 140	U	< 150	U
2-Chloronaphthalene	91-58-7	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
2-Chlorophenol	95-57-8	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
2-Methylnaphthalene	91-57-6	µg/Kg	NA	NA	36400	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
2-Methylphenol	95-48-7	µg/Kg	330	100,000	330	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
2-Nitroaniline	88-74-4	µg/Kg	NA	NA	400	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
2-Nitrophenol	88-75-5	µg/Kg	NA	NA	300	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
3,3-Dichlorobenzidine	91-94-1	µg/Kg	NA	NA	NA	< 160	U	< 140	U	< 170	U	< 160	U	< 140	U	< 150	U
3+4 Methylphenol	NA	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
3-Nitroaniline	99-09-2	µg/Kg	NA	NA	500	< 810	U	< 710	U	< 870	U	< 780	U	< 710	U	< 760	U
4,6-Dinitro-2-methylphenol	534-52-1	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
4-Bromophenyl-phenyl ether	101-55-3	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
4-Chloro-3-methylphenol	59-50-7	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
4-Chloroaniline	106-47-8	µg/Kg	NA	NA	220	< 810	U	< 710	U	< 870	U	< 780	U	< 710	U	< 760	U
4-Chlorophenyl phenyl ether	7005-72-3	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
4-Nitroaniline	100-01-6	µg/Kg	NA	NA	NA	< 2000	U	< 1800	U	< 2200	U	< 2000	U	< 1800	U	< 1900	U
4-Nitrophenol	100-02-7	µg/Kg	NA	NA	100	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Acenaphthene	83-32-9	µg/Kg	20,000	100,000	98,000	< 290	U	< 250	U	< 300	U	< 270	U	130	J	< 270	U
Acenaphthylene	208-96-8	µg/Kg	100,000	100,000	107,000	< 160	U	< 140	U	< 170	U	< 160	U	< 140	U	< 150	U
Acetophenone	98-86-2	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Anthracene	120-12-7	µg/Kg	100,000	100,000	1,000,000	< 290	U	< 250	U	< 300	U	< 270	U	340		< 270	U
Atrazine	1912-24-9	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Benzaldehyde	100-52-7	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Benzo-a-Anthracene	56-55-3	µg/Kg	1,000	1,000	1,000	220	J	< 250	U	450		< 270	U	920		< 270	U

Table 7: Summary of RI Soil Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
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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
Method Detection Limit (MDL) above the UUSCO
Result rejected due to severe QC exceedance

Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-37 0-2 FT		SB-37 6-8 FT		SB-38 0-2 FT		SB-38 3-5 FT		SB-39 0-2 FT		SB-39 5-7 FT	
						CA34768		CA34769		CA34753		CA34754		CA34762		CA34763	
						4/23/2018		4/23/2018		4/23/2018		4/23/2018		4/23/2018		4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Benzo-a-Pyrene	50-32-8	µg/Kg	1,000	1,000	22,000	240		< 140	U	490		< 160	U	880		< 150	U
Benzo-b-Fluoranthene	205-99-2	µg/Kg	1,000	1,000	1,700	230	J	< 250	U	440		< 270	U	720		< 270	U
Benzo-g,h,i-Perylene	191-24-2	µg/Kg	100,000	100,000	1,000,000	190	J	< 250	U	410		< 270	U	570		< 270	U
Benzo-k-Fluoranthene	207-08-9	µg/Kg	800	3,900	1,700	230	J	< 250	U	410		< 270	U	700		< 270	U
Bis(2-Chloroethoxy)methane	111-91-1	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Bis(2-Chloroethyl)ether	111-44-4	µg/Kg	NA	NA	NA	< 160	U	< 140	U	< 170	U	< 160	U	< 140	U	< 150	U
Bis(2-Chloroisopropyl)ether	39638-32-9	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Bis(2-Ethylhexyl)Phthalate	117-81-7	µg/Kg	NA	NA	435000	190	J	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Butylbenzylphthalate	85-68-7	µg/Kg	NA	NA	122000	140	J	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Caprolactam	105-60-2	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	630	
Carbazole	86-74-8	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Chrysene	218-01-9	µg/Kg	1,000	3,900	1,000	230	J	< 250	U	470		< 270	U	880		< 270	U
Dibenzo-a,h-Anthracene	53-70-3	µg/Kg	330	330	1000000	< 160	U	< 140	U	< 170	U	< 160	U	110	J	< 150	U
Dibenzofuran	132-64-9	µg/Kg	7000	59,000	6,200	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Diethyl Phthalate	84-66-2	µg/Kg	NA	NA	7100	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Dimethyl Phthalate	131-11-3	µg/Kg	NA	NA	27000	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Di-n-Butyl Phthalate	84-74-2	µg/Kg	NA	NA	8100	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Di-n-Octyl Phthalate	117-84-0	µg/Kg	NA	NA	120000	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Fluoranthene	206-44-0	µg/Kg	100,000	100,000	1,000,000	350		< 250	U	710		< 270	U	1,700		< 270	U
Fluorene	86-73-7	µg/Kg	30,000	100,000	386,000	< 290	U	< 250	U	< 300	U	< 270	U	140	J	< 270	U
Hexachlorobenzene	118-74-1	µg/Kg	330	1,200	1400	< 160	U	< 140	U	< 170	U	< 160	U	< 140	U	< 150	U
Hexachlorobutadiene	87-68-3	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Hexachlorocyclopentadiene	77-47-4	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Hexachloroethane	67-72-1	µg/Kg	NA	NA	NA	< 160	U	< 140	U	< 170	U	< 160	U	< 140	U	< 150	U
Indeno(1,2,3-cd)Pyrene	193-39-5	µg/Kg	500	500	8200	200	J	< 250	U	410		< 270	U	620		< 270	U
Isophorone	78-59-1	µg/Kg	NA	NA	4400	< 160	U	< 140	U	< 170	U	< 160	U	< 140	U	< 150	U
Naphthalene	91-20-3	µg/Kg	12,000	100,000	12,000	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Nitrobenzene	98-95-3	µg/Kg	NA	15000	170	< 160	U	< 140	U	< 170	U	< 160	U	< 140	U	< 150	U
N-Nitrosodimethylamine	62-75-9	µg/Kg	NA	NA	NA	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
N-Nitroso-di-n-Propylamine	621-64-7	µg/Kg	NA	NA	NA	< 160	U	< 140	U	< 170	U	< 160	U	< 140	U	< 150	U
N-Nitrosodiphenylamine	86-30-6	µg/Kg	NA	NA	NA	< 160	U	< 140	U	< 170	U	< 160	U	< 140	U	< 150	U
Pentachlorophenol	87-86-5	µg/Kg	800b	6,700	800e	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Phenanthrene	85-01-8	µg/Kg	100,000	100,000	1,000,000	180		< 140	U	180		< 160	U	1,300		< 150	U
Phenol	108-95-2	µg/Kg	330	100,000	330	< 290	U	< 250	U	< 300	U	< 270	U	< 250	U	< 270	U
Pyrene	129-00-0	µg/Kg	100,000	100,000	1,000,000	310		< 250	U	650		< 270	U	1,700		< 270	U

Table 7: Summary of RI Soil Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
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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
Method Detection Limit (MDL) above the UUSCO
Result rejected due to severe QC exceedance

Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-40 0-2 FT		SB-40 6-8 FT		MW-3 4-5 FT		MW-3 6-8 FT		MW-4 5-7 FT		MW-4 8-10 FT	
						CA34764		CA34765		CA38294		CA38295		CA34755		CA34756	
						4/23/2018		4/23/2018		4/28/2018		4/28/2018		4/23/2018		4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Metals, Total																	
Aluminum, Al	7429-90-5	mg/Kg	NA	NA	NA	7,750		12,900		9,970		9,580		24,400		22,900	
Antimony, Sb	7440-36-0	mg/Kg	NA	NA	NA	27		< 3.7	U	< 3.4	U	< 3.5	U	2.7	J	3.4	J
Arsenic, As	7440-38-2	mg/Kg	13	16	16	8.49		0.77		0.9		1.4		2.22		< 0.78	U
Barium, Ba	7440-39-3	mg/Kg	350	400	820	291		80.4		70.1		59.6		202		250	
Beryllium, Be	7440-41-7	mg/Kg	7.2	72	47	0.41		0.46		0.28		0.31		0.57		0.61	
Cadmium, Cd	7440-43-9	mg/Kg	2.5	4.3	7.5	4.79		< 0.37	U	< 0.34	U	< 0.35	U	< 0.38	U	< 0.39	U
Calcium, Ca	7440-70-2	mg/Kg	NA	NA	NA	12,900		858		1,650	*	3,050	*	1,470		1,510	
Chromium, Cr	7440-47-3	mg/Kg	30	110	NA	28.1		24.9		26	*	36.7	*	53.8		82.4	
Cobalt, Co	7440-48-4	mg/Kg	NA	NA	NA	8.6		9.24		8.39		10.1		22.1		25.9	
Copper, Cu	7440-50-8	mg/kg	50	270	1720	149		21.9		15.3		14.8		35.6		70.2	
Iron, Fe	7439-89-6	mg/Kg	NA	NA	NA	17,900		19,000		13,700		17,700		39,400		40,800	
Lead, Pb	7439-92-1	mg/Kg	63	400	450	1,490		3.1		1.3		1.6		5.4		3.3	
Magnesium, Mg	7439-95-4	mg/Kg	NA	NA	NA	7,620		2,910		2,940		3,530		8,760		11,100	
Manganese, Mn	7439-96-5	mg/Kg	1600	2000	2000	378		461		150	*	196		503		636	
Mercury, Hg	7439-97-6	mg/Kg	0.18	0.81	0.73	0.68	N	< 0.03	UN	< 0.03	U	< 0.03	U	< 0.03	UN	< 0.03	UN
Nickel, Ni	7440-02-0	mg/Kg	30	310	130	31.4		38.7		46.8	*	59.8		45.4		69.9	
Potassium, K	9/7/7440	mg/Kg	NA	NA	NA	1,090	*	2,800	*	2,450		2,400		11,100	*	12,500	*
Selenium, Se	7782-49-2	mg/Kg	3.9	180	4	< 1.6	U	< 1.5	U	< 1.3	U	< 1.4	U	< 1.5	U	< 1.6	U
Silver, Ag	7440-22-4	mg/Kg	2	180	8.3	< 0.41	U	< 0.37	U	< 0.34	U	< 0.35	U	< 0.38	U	< 0.39	U
Sodium, Na	7440-23-5	mg/Kg	NA	NA	NA	223	N	129	N	168		186		387	N	351	N
Thallium, Ti	7440-28-0	mg/Kg	NA	NA	NA	< 1.6	U	< 1.5	U	< 1.3	U	< 1.4	U	< 1.5	U	< 1.6	U
Vanadium, V	7440-62-2	mg/Kg	NA	NA	NA	49.8		29		23.1		27.8		62.4		68.3	
Zinc, Zn	7440-66-6	mg/Kg	109	10000	2480	533		33.1		28		29.7		76.2		85.1	
Cyanide	57-12-5	mg/Kg	27	27	40	0.91		< 0.56	U	< 0.50	U	< 0.51	U	< 0.59	U	< 0.57	U

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Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-40 0-2 FT		SB-40 6-8 FT		MW-3 4-5 FT		MW-3 6-8 FT		MW-4 5-7 FT		MW-4 8-10 FT	
						CA34764		CA34765		CA38294		CA38295		CA34755		CA34756	
						4/23/2018		4/23/2018		4/28/2018		4/28/2018		4/23/2018		4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
PCBs By SW8082A																	
Aroclor 1016	12674-11-2	µg/Kg	100	1000	3200	< 81	U	< 73	U	< 73	U	< 74	U	< 76	U	< 75	U
Aroclor 1221	11104-28-2	µg/Kg				< 81	U	< 73	U	< 73	U	< 74	U	< 76	U	< 75	U
Aroclor 1232	11141-16-5	µg/Kg				< 81	U	< 73	U	< 73	U	< 74	U	< 76	U	< 75	U
Aroclor 1242	53469-21-9	µg/Kg				< 81	U	< 73	U	< 73	U	< 74	U	< 76	U	< 75	U
Aroclor 1248	12672-29-6	µg/Kg				< 81	U	< 73	U	< 73	U	< 74	U	< 76	U	< 75	U
Aroclor 1254	11097-69-1	µg/Kg				< 81	U	< 73	U	< 73	U	< 74	U	< 76	U	< 75	U
Aroclor 1260	11096-82-5	µg/Kg				130		< 73	U	< 73	U	< 74	U	< 76	U	< 75	U
Aroclor 1262	37324-23-5	µg/Kg				< 81	U	< 73	U	< 73	U	< 74	U	< 76	U	< 75	U
Aroclor 1268	11100-14-4	µg/Kg				< 81	U	< 73	U	< 73	U	< 74	U	< 76	U	< 75	U

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Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-40 0-2 FT CA34764 4/23/2018		SB-40 6-8 FT CA34765 4/23/2018		MW-3 4-5 FT CA38294 4/28/2018		MW-3 6-8 FT CA38295 4/28/2018		MW-4 5-7 FT CA34755 4/23/2018		MW-4 8-10 FT CA34756 4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides - Soil By SW8081B																	
4,4-DDD	72-54-8	µg/Kg	3.3	13000	14000	< 2.4	U	< 2.2	U	< 2.2	U	< 2.2	U	< 2.3	U	< 2.2	U
4,4-DDE	72-55-9	µg/Kg	3.3	8900	17000	< 2.4	U	< 2.2	U	< 2.2	U	< 2.2	U	< 2.3	U	< 2.2	U
4,4-DDT	50-29-3	µg/Kg	3.3	7900	136000	< 2.4	U	< 2.2	U	< 2.2	U	< 2.2	U	< 2.3	U	< 2.2	U
alpha-BHC	319-84-6	µg/Kg	20	480	20	< 8.1	U	< 7.3	U	< 7.3	U	< 7.4	U	< 7.6	U	< 7.5	U
Chlordane	5103-71-9	µg/Kg	94	4200	2900	< 4.0	U	< 3.6	U	< 3.6	U	< 3.7	U	< 3.8	U	< 3.7	U
Aldrin	309-00-2	µg/Kg	5	97	190	< 4.0	U	< 3.6	U	< 3.6	U	< 3.7	U	< 3.8	U	< 3.7	U
beta-BHC	319-85-7	µg/Kg	36	360	90	< 8.1	U	< 7.3	U	< 7.3	U	< 7.4	U	< 7.6	U	< 7.5	U
Chlordane	57-74-9	µg/Kg	94	4200	2900	< 40	U	< 36	U	< 36	U	< 37	U	< 38	U	< 37	U
delta-BHC	319-86-8	µg/Kg	40	100000	250	< 8.1	U	< 7.3	U	< 7.3	U	< 7.4	U	< 7.6	U	< 7.5	U
Dieldrin	60-57-1	µg/Kg	5	200	100	< 4.0	U	< 3.6	U	< 3.6	U	< 3.7	U	< 3.8	U	< 3.7	U
Endosulfan I	959-98-8	µg/Kg	2400	24000	102000	< 8.1	U	< 7.3	U	< 7.3	U	< 7.4	U	< 7.6	U	< 7.5	U
Endosulfan II	33213-65-9	µg/Kg	2400	24000	102000	< 8.1	U	< 7.3	U	< 7.3	U	< 7.4	U	< 7.6	U	< 7.5	U
Endosulfan Sulfate	1031-07-8	µg/Kg	2400	24000	1000000	< 8.1	U	< 7.3	U	< 7.3	U	< 7.4	U	< 7.6	U	< 7.5	U
Endrin	72-20-8	µg/Kg	14	11000	60	< 8.1	U	< 7.3	U	< 7.3	U	< 7.4	U	< 7.6	U	< 7.5	U
Endrin Aldehyde	7421-93-4	µg/Kg	NA	NA	NA	< 8.1	U	< 7.3	U	< 7.3	U	< 7.4	U	< 7.6	U	< 7.5	U
Endrin Ketone	53494-70-5	µg/Kg	NA	NA	NA	< 8.1	U	< 7.3	U	< 7.3	U	< 7.4	U	< 7.6	U	< 7.5	U
gamma-BHC	58-89-9	µg/Kg	100	1300	100	< 1.6	U	< 1.5	U	< 1.5	U	< 1.5	U	< 1.5	U	< 1.5	U
gamma-chlordane	5103-74-2	µg/Kg	NA	NA	14000	< 4.0	U	< 3.6	U	< 3.6	U	< 3.7	U	< 3.8	U	< 3.7	U
Heptachlor	76-44-8	µg/Kg	42	2100	380	< 8.1	U	< 7.3	U	< 7.3	U	< 7.4	U	< 7.6	U	< 7.5	U
Heptachlor Epoxide	1024-57-3	µg/Kg	NA	NA	20	< 8.1	U	< 7.3	U	< 7.3	U	< 7.4	U	< 7.6	U	< 7.5	U
Methoxychlor	72-43-5	µg/Kg	NA	NA	900000	< 40	U	< 36	U	< 36	U	< 37	U	< 38	U	< 37	U
Toxaphene	8001-35-2	µg/Kg	NA	NA	NA	< 160	U	< 150	U	< 150	U	< 150	U	< 150	U	< 150	U

Table 7: Summary of RI Soil Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
ug/Kg: microgram per kilogram (ppb)
mg/Kg: miligram per kilogram (ppm)
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
Method Detection Limit (MDL) above the UUSCO
Result rejected due to severe QC exceedance

Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-40 0-2 FT		SB-40 6-8 FT		MW-3 4-5 FT		MW-3 6-8 FT		MW-4 5-7 FT		MW-4 8-10 FT	
						CA34764		CA34765		CA38294		CA38295		CA34755		CA34756	
						4/23/2018		4/23/2018		4/28/2018		4/28/2018		4/23/2018		4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Volatiles By SW8260C																	
1,1,1-Trichloroethane	71-55-6	µg/Kg	680	100,000	680	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
1,1,2,2-Tetrachloroethane	79-34-5	µg/Kg	NA	NA	600	< 400	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
1,1,2-Trichloroethane	79-00-5	µg/Kg	NA	NA	NA	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
1,1-Dichloroethane	75-34-3	µg/Kg	270	26,000	270	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	<71 MDL	U	<70 MDL	U
1,1-Dichloroethene	75-35-4	µg/Kg	330	100,000	330	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	<35 MDL	U	<35 MDL	U
1,2,3-Trichlorobenzene	87-61-6	µg/Kg	NA	NA	NA	< 400	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
1,2,4-Trichlorobenzene	120-82-1	µg/Kg	NA	NA	3400	< 400	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
1,2-Dibromo-3-Chloropropane	96-12-8	µg/Kg	NA	NA	NA	< 400	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
1,2-Dibromoethane	106-93-4	µg/Kg	NA	NA	NA	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
1,2-Dichlorobenzene	95-50-1	µg/Kg	1,100	100,000	1,100	< 400	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
1,2-Dichloroethane	107-06-2	µg/Kg	20	3,100	20	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	<35 MDL	U	<35 MDL	U
1,2-Dichloropropane	78-87-5	µg/Kg	NA	NA	NA	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
1,3-Dichlorobenzene	541-73-1	µg/Kg	2,400	49,000	2,400	< 400	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
1,4-Dichlorobenzene	106-46-7	µg/Kg	1,800	13,000	1,800	< 400	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
2-Butanone	78-93-3	µg/Kg	NA	100,000	120	< 47	U	< 29	U	< 33	U	< 33	U	< 2100	U	< 2100	U
2-Hexanone	591-78-6	µg/Kg	NA	NA	NA	< 39	U	< 24	U	< 27	U	< 28	U	< 1800	U	< 1800	U
Acetone	67-64-1	µg/Kg	50	100,000	50	11	JS	5.7	JS	20	JS	18	JS	<350 MDL	U	<350 MDL	U
Benzene	71-43-2	µg/Kg	60	4,800	60	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 60	U	< 60	U
Bromochloromethane	74-97-5	µg/Kg	NA	NA	NA	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Bromodichloromethane	75-27-4	µg/Kg	NA	NA	NA	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Bromoform	75-25-2	µg/Kg	NA	NA	NA	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Bromomethane	74-83-9	µg/Kg	NA	NA	NA	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Carbon Disulfide	75-15-0	µg/Kg	NA	NA	2700	< 7.8	U	< 4.9	U	< 5.5	U	1.9	J	< 350	U	< 350	U
Carbon Tetrachloride	56-23-5	µg/Kg	760	2,400	760	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Chlorobenzene	108-90-7	µg/Kg	1,100	100,000	1,100	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Chlorodibromomethane	124-48-1	µg/Kg	NA	NA	NA	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U

Table 7: Summary of RI Soil Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
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mg/Kg: miligram per kilogram (ppm)
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
Method Detection Limit (MDL) above the UUSCO
Result rejected due to severe QC exceedance

Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-40 0-2 FT		SB-40 6-8 FT		MW-3 4-5 FT		MW-3 6-8 FT		MW-4 5-7 FT		MW-4 8-10 FT	
	Lab ID					CA34764		CA34765		CA38294		CA38295		CA34755		CA34756	
	Sample Date					4/23/2018		4/23/2018		4/28/2018		4/28/2018		4/23/2018		4/23/2018	
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Chloroethane	75-00-3	µg/Kg	NA	NA	1900	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Chloroform	67-66-3	µg/Kg	370	49,000	370	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Chloromethane	74-87-3	µg/Kg	NA	NA	NA	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
cis-1,2-Dichloroethene	156-59-2	µg/Kg	250	100,000	250	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	<35 MDL	U	<35 MDL	U
cis-1,3-Dichloropropene	10061-01-5	µg/Kg	NA	NA	NA	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Cyclohexane	110-82-7	µg/Kg	NA	NA	NA	< 7.8	U	< 4.9	U	<5.5	U	<5.6	U	1,200		400	
Dichlorodifluoromethane	75-71-8	µg/Kg	NA	NA	NA	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Ethylbenzene	100-41-4	µg/Kg	1,000	41,000	1,000	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Isopropylbenzene	98-82-8	µg/Kg	NA	NA	2300	< 400	U	< 4.9	U	< 5.5	U	< 5.6	U	800		200	J
m&p-Xylene	179601-23-1	µg/Kg				< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 250	U	< 250	U
Methyl Isobutyl Ketone	108-10-1	µg/Kg	NA	NA	1000	< 39	U	< 24	U	< 27	U	< 28	U	< 1800	U	< 1800	U
Methyl Tert-Butyl Ether	1634-04-4	µg/Kg	930	100,000	930	< 16	U	< 9.8	U	< 11	U	< 11	U	< 710	U	< 700	U
Methylacetate	79-20-9	µg/Kg				< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Methylcyclohexane	108-87-2	µg/Kg				< 7.8	U	< 4.9	U	2	J	<5.6	U	15,000	D	5,800	
Methylene Chloride	75-09-2	µg/Kg	50	100,000	50	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	<35 MDL	U	<35 MDL	U
o-Xylene	95-47-6	µg/Kg	NA	NA	NA	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 250	U	< 250	U
Styrene	100-42-5	µg/Kg	NA	NA	NA	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Tetrachloroethene	127-18-4	µg/Kg	1,300	19,000	1,300	84	J	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Toluene	108-88-3	µg/Kg	700	100,000	700	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Total Xylenes	1330-20-7	µg/Kg	260	100000	1600	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 250	U	< 250	U
trans-1,2-Dichloroethene	156-60-5	µg/Kg	190	100,000	190	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	<35 MDL	U	<35 MDL	U
trans-1,3-Dichloropropene	10061-02-6	µg/Kg	NA	NA	NA	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Trichloroethene	79-01-6	µg/Kg	470	21,000	470	1,800		0.92	J	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Trichlorofluoromethane	75-69-4	µg/Kg	NA	NA	NA	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Trichlorotrifluoroethane	76-13-1	µg/Kg	NA	NA	6000	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	< 350	U	< 350	U
Vinyl Chloride	75-01-4	µg/Kg	20	900	20	< 7.8	U	< 4.9	U	< 5.5	U	< 5.6	U	<35 MDL	U	<35 MDL	U

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The Huguenot Site, New Rochelle, New York

Notes:
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mg/Kg: miligram per kilogram (ppm)
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
Method Detection Limit (MDL) above the UUSCO
Result rejected due to severe QC exceedance

Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-40 0-2 FT CA34764 4/23/2018		SB-40 6-8 FT CA34765 4/23/2018		MW-3 4-5 FT CA38294 4/28/2018		MW-3 6-8 FT CA38295 4/28/2018		MW-4 5-7 FT CA34755 4/23/2018		MW-4 8-10 FT CA34756 4/23/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Semivolatiles By SW8270D																	
1,1- Biphenyl	92-52-4	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
1,2,4,5-Tetrachlorobenzene	95-94-3	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
2,3,4,6-tetrachlorophenol	58-90-2	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
2,4,5-Trichlorophenol	95-95-4	µg/Kg	NA	NA	100	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
2,4,6-Trichlorophenol	88-06-2	µg/Kg	NA	NA	NA	< 160	U	< 150	U	< 180	U	< 180	U	< 150	U	< 150	U
2,4-Dichlorophenol	120-83-2	µg/Kg	NA	NA	400	< 160	U	< 150	U	< 180	U	< 180	U	< 150	U	< 150	U
2,4-Dimethylphenol	105-67-9	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
2,4-Dinitrophenol	51-28-5	µg/Kg	NA	NA	200	< 280	U	< 260	U	< 250	R	< 260	U	< 270	U	< 260	U
2,4-Dinitrotoluene	121-14-2	µg/Kg	NA	NA	NA	< 160	U	< 150	U	< 180	U	< 180	U	< 150	U	< 150	U
2,6-Dinitrotoluene	606-20-2	µg/Kg	NA	NA	170	< 160	U	< 150	U	< 180	U	< 180	U	< 150	U	< 150	U
2-Chloronaphthalene	91-58-7	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
2-Chlorophenol	95-57-8	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
2-Methylnaphthalene	91-57-6	µg/Kg	NA	NA	36400	210	J	< 260	U	< 250	U	< 260	U	300		3,700	
2-Methylphenol	95-48-7	µg/Kg	330	100,000	330	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
2-Nitroaniline	88-74-4	µg/Kg	NA	NA	400	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
2-Nitrophenol	88-75-5	µg/Kg	NA	NA	300	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
3,3-Dichlorobenzidine	91-94-1	µg/Kg	NA	NA	NA	< 160	U	< 150	U	< 180	U	< 180	U	< 150	U	< 150	U
3+4 Methylphenol	NA	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
3-Nitroaniline	99-09-2	µg/Kg	NA	NA	500	< 810	U	< 730	U	< 360	U	< 370	U	< 770	U	< 750	U
4,6-Dinitro-2-methylphenol	534-52-1	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 220	R	< 220	U	< 270	U	< 260	U
4-Bromophenyl-phenyl ether	101-55-3	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
4-Chloro-3-methylphenol	59-50-7	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
4-Chloroaniline	106-47-8	µg/Kg	NA	NA	220	< 810	U	< 730	U	< 290	U	< 290	U	< 770	U	< 750	U
4-Chlorophenyl phenyl ether	7005-72-3	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
4-Nitroaniline	100-01-6	µg/Kg	NA	NA	NA	< 2000	U	< 1800	U	< 360	U	< 370	U	< 1900	U	< 1900	U
4-Nitrophenol	100-02-7	µg/Kg	NA	NA	100	< 280	U	< 260	U	< 360	U	< 370	U	< 270	U	< 260	U
Acenaphthene	83-32-9	µg/Kg	20,000	100,000	98,000	310		< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Acenaphthylene	208-96-8	µg/Kg	100,000	100,000	107,000	1,200		< 150	U	< 250	U	< 260	U	< 150	U	< 150	U
Acetophenone	98-86-2	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Anthracene	120-12-7	µg/Kg	100,000	100,000	1,000,000	1,000		< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Atrazine	1912-24-9	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Benzaldehyde	100-52-7	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Benzo-a-Anthracene	56-55-3	µg/Kg	1,000	1,000	1,000	3,700		< 260	U	< 250	U	< 260	U	< 270	U	< 260	U

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Parameters	Sample ID	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	SB-40 0-2 FT		SB-40 6-8 FT		MW-3 4-5 FT		MW-3 6-8 FT		MW-4 5-7 FT		MW-4 8-10 FT	
	Lab ID					CA34764		CA34765		CA38294		CA38295		CA34755		CA34756	
	Sample Date					4/23/2018		4/23/2018		4/28/2018		4/28/2018		4/23/2018		4/23/2018	
	CAS					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Benzo-a-Pyrene	50-32-8	µg/Kg	1,000	1,000	22,000	4,300		< 150	U	< 180	U	< 180	U	< 150	U	< 150	U
Benzo-b-Fluoranthene	205-99-2	µg/Kg	1,000	1,000	1,700	4,500		< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Benzo-g,h,i-Perylene	191-24-2	µg/Kg	100,000	100,000	1,000,000	4,100		< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Benzo-k-Fluoranthene	207-08-9	µg/Kg	800	3,900	1,700	3,500		< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Bis(2-Chloroethoxy)methane	111-91-1	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Bis(2-Chloroethyl)ether	111-44-4	µg/Kg	NA	NA	NA	< 160	U	< 150	U	< 180	U	< 180	U	< 150	U	< 150	U
Bis(2-Chloroisopropyl)ether	39638-32-9	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Bis(2-Ethylhexyl)Phthalate	117-81-7	µg/Kg	NA	NA	435000	590		< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Butylbenzylphthalate	85-68-7	µg/Kg	NA	NA	122000	720		< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Caprolactam	105-60-2	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 260	U	< 270	U	< 270	U	< 260	U
Carbazole	86-74-8	µg/Kg	NA	NA	NA	490		< 260	U	< 180	U	< 180	U	< 270	U	< 260	U
Chrysene	218-01-9	µg/Kg	1,000	3,900	1,000	4,000		< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Dibenzo-a,h-Anthracene	53-70-3	µg/Kg	330	330	1000000	510		< 150	U	< 180	U	< 180	U	< 150	U	< 150	U
Dibenzofuran	132-64-9	µg/Kg	7000	59,000	6,200	200	J	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Diethyl Phthalate	84-66-2	µg/Kg	NA	NA	7100	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Dimethyl Phthalate	131-11-3	µg/Kg	NA	NA	27000	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Di-n-Butyl Phthalate	84-74-2	µg/Kg	NA	NA	8100	170	J	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Di-n-Octyl Phthalate	117-84-0	µg/Kg	NA	NA	120000	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Fluoranthene	206-44-0	µg/Kg	100,000	100,000	1,000,000	6,000		< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Fluorene	86-73-7	µg/Kg	30,000	100,000	386,000	370		< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Hexachlorobenzene	118-74-1	µg/Kg	330	1,200	1400	< 160	U	< 150	U	< 180	U	< 180	U	< 150	U	< 150	U
Hexachlorobutadiene	87-68-3	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Hexachlorocyclopentadiene	77-47-4	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Hexachloroethane	67-72-1	µg/Kg	NA	NA	NA	< 160	U	< 150	U	< 180	U	< 180	U	< 150	U	< 150	U
Indeno(1,2,3-cd)Pyrene	193-39-5	µg/Kg	500	500	8200	4,000		< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Isophorone	78-59-1	µg/Kg	NA	NA	4400	< 160	U	< 150	U	< 180	U	< 180	U	< 150	U	< 150	U
Naphthalene	91-20-3	µg/Kg	12,000	100,000	12,000	490		< 260	U	< 250	U	< 260	U	< 270	U	130	J
Nitrobenzene	98-95-3	µg/Kg	NA	15000	170	< 160	U	< 150	U	< 180	U	< 180	U	< 150	U	< 150	U
N-Nitrosodimethylamine	62-75-9	µg/Kg	NA	NA	NA	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
N-Nitroso-di-n-Propylamine	621-64-7	µg/Kg	NA	NA	NA	< 160	U	< 150	U	< 180	U	< 180	U	< 150	U	< 150	U
N-Nitrosodiphenylamine	86-30-6	µg/Kg	NA	NA	NA	< 160	U	< 150	U	< 250	U	< 260	U	< 150	U	< 150	U
Pentachlorophenol	87-86-5	µg/Kg	800b	6,700	800e	< 280	U	< 260	U	< 220	U	< 220	U	< 270	U	< 260	U
Phenanthrene	85-01-8	µg/Kg	100,000	100,000	1,000,000	3,000		< 150	U	< 250	U	< 260	U	< 150	U	< 150	U
Phenol	108-95-2	µg/Kg	330	100,000	330	< 280	U	< 260	U	< 250	U	< 260	U	< 270	U	< 260	U
Pyrene	129-00-0	µg/Kg	100,000	100,000	1,000,000	5,400		< 260	U	< 250	U	< 260	U	< 270	U	< 260	U

Table 7: Summary of RI Soil Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
ug/Kg: microgram per kilogram (ppb)
mg/Kg: miligram per kilogram (ppm)
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
Method Detection Limit (MDL) above the UUSCO
Result rejected due to severe QC exceedance

Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	MW-6 6-8 FT CA38296 4/28/2018		MW-7 12-14 FT CA38297 4/28/2018		MW-8 12-14 FT CA37521 4/26/2018		D-1 CA34757 4/23/2018		D-2 CA38298 4/28/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Metals, Total															
Aluminum, Al	7429-90-5	mg/Kg	NA	NA	NA	13,000		8,450		20,100		28,800		12,000	
Antimony, Sb	7440-36-0	mg/Kg	NA	NA	NA	< 4.0	U	< 3.3	U	< 3.6	U	3.3	J	< 3.8	U
Arsenic, As	7440-38-2	mg/Kg	13	16	16	1.29		< 0.66	U	< 0.72	U	< 0.78	U	1.06	
Barium, Ba	7440-39-3	mg/Kg	350	400	820	72.7		95.8		201		307		73.1	
Beryllium, Be	7440-41-7	mg/Kg	7.2	72	47	0.45		0.44		0.34		0.52		0.41	
Cadmium, Cd	7440-43-9	mg/Kg	2.5	4.3	7.5	< 0.40	U	< 0.33	U	< 0.36	U	< 0.39	U	< 0.38	U
Calcium, Ca	7440-70-2	mg/Kg	NA	NA	NA	997	*	1,020	*	1,160		1,680		827	*
Chromium, Cr	7440-47-3	mg/Kg	30	110	NA	29.4	*	20.9	*	39.6		61.9		24.4	*
Cobalt, Co	7440-48-4	mg/Kg	NA	NA	NA	7.98		7.3		18.2		26.9		7.9	
Copper, Cu	7440-50-8	mg/kg	50	270	1720	17.3		3.84		31.5		48.9		15.4	
Iron, Fe	7439-89-6	mg/Kg	NA	NA	NA	18,900		11,700		38,200		47,900		17,800	
Lead, Pb	7439-92-1	mg/Kg	63	400	450	1.6		3.4		< 0.7	U	2.8		0.9	
Magnesium, Mg	7439-95-4	mg/Kg	NA	NA	NA	3,250		4,500		8,330		10,600		2,820	
Manganese, Mn	7439-96-5	mg/Kg	1600	2000	2000	554	*	178	*	411	*	1,120		509	*
Mercury, Hg	7439-97-6	mg/Kg	0.18	0.81	0.73	< 0.03	U	< 0.03	U	< 0.03	U	< 0.03	UN	< 0.03	U
Nickel, Ni	7440-02-0	mg/Kg	30	310	130	37.5	*	20.5	*	31		46.6		34.3	*
Potassium, K	9/7/7440	mg/Kg	NA	NA	NA	2,580		4,420		13,000		15,400	*	2,390	
Selenium, Se	7782-49-2	mg/Kg	3.9	180	4	< 1.6	U	< 1.3	U	< 1.4	U	< 1.6	U	< 1.5	U
Silver, Ag	7440-22-4	mg/Kg	2	180	8.3	< 0.40	U	< 0.33	U	< 0.36	U	< 0.39	U	< 0.38	U
Sodium, Na	7440-23-5	mg/Kg	NA	NA	NA	210		63		300		402	N	189	
Thallium, Ti	7440-28-0	mg/Kg	NA	NA	NA	< 1.6	U	< 1.3	U	< 1.4	U	< 1.6	U	< 1.5	U
Vanadium, V	7440-62-2	mg/Kg	NA	NA	NA	28.6		15		56.5		79.5		25.9	
Zinc, Zn	7440-66-6	mg/Kg	109	10000	2480	33		28.2		78.7		97.4		26	
Cyanide	57-12-5	mg/Kg	27	27	40	< 0.51	U	< 0.50	U	< 0.54	U	< 0.52	U	< 0.55	U

Table 7: Summary of RI Soil Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
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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
Method Detection Limit (MDL) above the UUSCO
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Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	MW-6 6-8 FT CA38296 4/28/2018		MW-7 12-14 FT CA38297 4/28/2018		MW-8 12-14 FT CA37521 4/26/2018		D-1 CA34757 4/23/2018		D-2 CA38298 4/28/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
PCBs By SW8082A															
Aroclor 1016	12674-11-2	µg/Kg	100	1000	3200	< 74	U	< 73	U	< 72	U	< 770	U	< 73	U
Aroclor 1221	11104-28-2	µg/Kg				< 74	U	< 73	U	< 72	U	< 770	U	< 73	U
Aroclor 1232	11141-16-5	µg/Kg				< 74	U	< 73	U	< 72	U	< 770	U	< 73	U
Aroclor 1242	53469-21-9	µg/Kg				< 74	U	< 73	U	< 72	U	< 770	U	< 73	U
Aroclor 1248	12672-29-6	µg/Kg				< 74	U	< 73	U	< 72	U	< 770	U	< 73	U
Aroclor 1254	11097-69-1	µg/Kg				< 74	U	< 73	U	< 72	U	< 770	U	< 73	U
Aroclor 1260	11096-82-5	µg/Kg				< 74	U	< 73	U	< 72	U	< 770	U	< 73	U
Aroclor 1262	37324-23-5	µg/Kg				< 74	U	< 73	U	< 72	U	< 770	U	< 73	U
Aroclor 1268	11100-14-4	µg/Kg				< 74	U	< 73	U	< 72	U	< 770	U	< 73	U

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						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides - Soil By SW8081B															
4,4-DDD	72-54-8	µg/Kg	3.3	13000	14000	< 2.2	U	< 2.2	U	< 2.2	U	< 2.3	U	< 2.2	U
4,4-DDE	72-55-9	µg/Kg	3.3	8900	17000	< 2.2	U	< 2.2	U	< 2.2	U	< 2.3	U	< 2.2	U
4,4-DDT	50-29-3	µg/Kg	3.3	7900	136000	< 2.2	U	< 2.2	U	< 2.2	U	< 2.3	U	< 2.2	U
alpha-BHC	319-84-6	µg/Kg	20	480	20	< 7.4	U	< 7.3	U	< 7.2	U	< 7.7	U	< 7.2	U
Chlordane	5103-71-9	µg/Kg	94	4200	2900	< 3.7	U	< 3.6	U	< 3.6	U	< 3.9	U	< 3.6	U
Aldrin	309-00-2	µg/Kg	5	97	190	< 3.7	U	< 3.6	U	< 3.6	U	< 3.9	U	< 3.6	U
beta-BHC	319-85-7	µg/Kg	36	360	90	< 7.4	U	< 7.3	U	< 7.2	U	< 7.7	U	< 7.2	U
Chlordane	57-74-9	µg/Kg	94	4200	2900	< 37	U	< 36	U	< 36	U	< 39	U	< 36	U
delta-BHC	319-86-8	µg/Kg	40	100000	250	< 7.4	U	< 7.3	U	< 7.2	U	< 7.7	U	< 7.2	U
Dieldrin	60-57-1	µg/Kg	5	200	100	< 3.7	U	< 3.6	U	< 3.6	U	< 3.9	U	< 3.6	U
Endosulfan I	959-98-8	µg/Kg	2400	24000	102000	< 7.4	U	< 7.3	U	< 7.2	U	< 7.7	U	< 7.2	U
Endosulfan II	33213-65-9	µg/Kg	2400	24000	102000	< 7.4	U	< 7.3	U	< 7.2	U	< 7.7	U	< 7.2	U
Endosulfan Sulfate	1031-07-8	µg/Kg	2400	24000	1000000	< 7.4	U	< 7.3	U	< 7.2	U	< 7.7	U	< 7.2	U
Endrin	72-20-8	µg/Kg	14	11000	60	< 7.4	U	< 7.3	U	< 7.2	U	< 7.7	U	< 7.2	U
Endrin Aldehyde	7421-93-4	µg/Kg	NA	NA	NA	< 7.4	U	< 7.3	U	< 7.2	U	< 7.7	U	< 7.2	U
Endrin Ketone	53494-70-5	µg/Kg	NA	NA	NA	< 7.4	U	< 7.3	U	< 7.2	U	< 7.7	U	< 7.2	U
gamma-BHC	58-89-9	µg/Kg	100	1300	100	< 1.5	U	< 1.5	U	< 1.4	U	< 1.5	U	< 1.4	U
gamma-chlordane	5103-74-2	µg/Kg	NA	NA	14000	< 3.7	U	< 3.6	U	< 3.6	U	< 3.9	U	< 3.6	U
Heptachlor	76-44-8	µg/Kg	42	2100	380	< 7.4	U	< 7.3	U	< 7.2	U	< 7.7	U	< 7.2	U
Heptachlor Epoxide	1024-57-3	µg/Kg	NA	NA	20	< 7.4	U	< 7.3	U	< 7.2	U	< 7.7	U	< 7.2	U
Methoxychlor	72-43-5	µg/Kg	NA	NA	900000	< 37	U	< 36	U	< 36	U	< 39	U	< 36	U
Toxaphene	8001-35-2	µg/Kg	NA	NA	NA	< 150	U	< 150	U	< 140	U	< 150	U	< 140	U

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						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Volatiles By SW8260C															
1,1,1-Trichloroethane	71-55-6	µg/Kg	680	100,000	680	< 5.6	U	< 5.1	U	< 5.2	U	<180 MDL	U	< 5.2	U
1,1,2,2-Tetrachloroethane	79-34-5	µg/Kg	NA	NA	600	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
1,1,2-Trichloroethane	79-00-5	µg/Kg	NA	NA	NA	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
1,1-Dichloroethane	75-34-3	µg/Kg	270	26,000	270	< 5.6	U	< 5.1	U	< 5.2	U	<360 MDL	U	< 5.2	U
1,1-Dichloroethene	75-35-4	µg/Kg	330	100,000	330	< 5.6	U	< 5.1	U	< 5.2	U	<180 MDL	U	< 5.2	U
1,2,3-Trichlorobenzene	87-61-6	µg/Kg	NA	NA	NA	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
1,2,4-Trichlorobenzene	120-82-1	µg/Kg	NA	NA	3400	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
1,2-Dibromo-3-Chloropropane	96-12-8	µg/Kg	NA	NA	NA	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
1,2-Dibromoethane	106-93-4	µg/Kg	NA	NA	NA	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
1,2-Dichlorobenzene	95-50-1	µg/Kg	1,100	100,000	1,100	< 5.6	U	< 5.1	U	< 5.2	U	<180 MDL	U	< 5.2	U
1,2-Dichloroethane	107-06-2	µg/Kg	20	3,100	20	< 5.6	U	< 5.1	U	< 5.2	U	<180 MDL	U	< 5.2	U
1,2-Dichloropropane	78-87-5	µg/Kg	NA	NA	NA	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
1,3-Dichlorobenzene	541-73-1	µg/Kg	2,400	49,000	2,400	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
1,4-Dichlorobenzene	106-46-7	µg/Kg	1,800	13,000	1,800	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
2-Butanone	78-93-3	µg/Kg	NA	100,000	120	< 33	U	< 31	U	< 31	U	< 11000	U	< 31	U
2-Hexanone	591-78-6	µg/Kg	NA	NA	NA	< 28	U	< 26	U	< 26	U	< 9000	U	< 26	U
Acetone	67-64-1	µg/Kg	50	100,000	50	12	JS	15	JS	13	JS	<1800 MDL	U	10	JS
Benzene	71-43-2	µg/Kg	60	4,800	60	< 5.6	U	< 5.1	U	< 5.2	U	< 180 MDL	U	< 5.2	U
Bromochloromethane	74-97-5	µg/Kg	NA	NA	NA	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
Bromodichloromethane	75-27-4	µg/Kg	NA	NA	NA	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
Bromoform	75-25-2	µg/Kg	NA	NA	NA	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
Bromomethane	74-83-9	µg/Kg	NA	NA	NA	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
Carbon Disulfide	75-15-0	µg/Kg	NA	NA	2700	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
Carbon Tetrachloride	56-23-5	µg/Kg	760	2,400	760	< 5.6	U	< 5.1	U	< 5.2	U	<360 MDL	U	< 5.2	U
Chlorobenzene	108-90-7	µg/Kg	1,100	100,000	1,100	< 5.6	U	< 5.1	U	< 5.2	U	<180 MDL	U	< 5.2	U
Chlorodibromomethane	124-48-1	µg/Kg	NA	NA	NA	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U

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Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	MW-6 6-8 FT CA38296 4/28/2018		MW-7 12-14 FT CA38297 4/28/2018		MW-8 12-14 FT CA37521 4/26/2018		D-1 CA34757 4/23/2018		D-2 CA38298 4/28/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Chloroethane	75-00-3	µg/Kg	NA	NA	1900	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
Chloroform	67-66-3	µg/Kg	370	49,000	370	< 5.6	U	< 5.1	U	< 5.2	U	<180 MDL	U	< 5.2	U
Chloromethane	74-87-3	µg/Kg	NA	NA	NA	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
cis-1,2-Dichloroethene	156-59-2	µg/Kg	250	100,000	250	< 5.6	U	< 5.1	U	< 5.2	U	<180 MDL	U	< 5.2	U
cis-1,3-Dichloropropene	10061-01-5	µg/Kg	NA	NA	NA	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
Cyclohexane	110-82-7	µg/Kg	NA	NA	NA	<5.6	U	<5.1	U	<5.2	U	820	J	<5.2	U
Dichlorodifluoromethane	75-71-8	µg/Kg	NA	NA	NA	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
Ethylbenzene	100-41-4	µg/Kg	1,000	41,000	1,000	< 5.6	U	< 5.1	U	< 5.2	U	< 1000	U	< 5.2	U
Isopropylbenzene	98-82-8	µg/Kg	NA	NA	2300	< 5.6	U	< 5.1	U	< 5.2	U	870	J	< 5.2	U
m&p-Xylene	179601-23-1	µg/Kg				< 5.6	U	< 5.1	U	< 5.2	U	<250	U	< 5.2	U
Methyl Isobutyl Ketone	108-10-1	µg/Kg	NA	NA	1000	< 28	U	< 26	U	< 26	U	< 9000	U	< 26	U
Methyl Tert-Butyl Ether	1634-04-4	µg/Kg	930	100,000	930	< 11	U	< 10	U	< 10	U	< 930	U	< 10	U
Methylacetate	79-20-9	µg/Kg				< 5.6	U	< 5.1	U	<10	U	< 1800	U	<10	U
Methylcyclohexane	108-87-2	µg/Kg				< 5.6	U	< 5.1	U	<10	U	13,000		<10	U
Methylene Chloride	75-09-2	µg/Kg	50	100,000	50	< 5.6	U	< 5.1	U	< 5.2	U	<180 MDL	U	< 5.2	U
o-Xylene	95-47-6	µg/Kg	NA	NA	NA	< 5.6	U	< 5.1	U	< 5.2	U	<250	U	< 5.2	U
Styrene	100-42-5	µg/Kg	NA	NA	NA	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
Tetrachloroethene	127-18-4	µg/Kg	1,300	19,000	1,300	< 5.6	U	< 5.1	U	< 5.2	U	<360 MDL	U	< 5.2	U
Toluene	108-88-3	µg/Kg	700	100,000	700	< 5.6	U	< 5.1	U	< 5.2	U	< 700	U	< 5.2	U
Total Xylenes	1330-20-7	µg/Kg	260	100000	1600	< 5.6	U	< 5.1	U	< 5.2	U	<250	U	< 5.2	U
trans-1,2-Dichloroethene	156-60-5	µg/Kg	190	100,000	190	< 5.6	U	< 5.1	U	< 5.2	U	<180 MDL	U	< 5.2	U
trans-1,3-Dichloropropene	10061-02-6	µg/Kg	NA	NA	NA	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
Trichloroethene	79-01-6	µg/Kg	470	21,000	470	< 5.6	U	< 5.1	U	< 5.2	U	<180 MDL	U	< 5.2	U
Trichlorofluoromethane	75-69-4	µg/Kg	NA	NA	NA	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
Trichlorotrifluoroethane	76-13-1	µg/Kg	NA	NA	6000	< 5.6	U	< 5.1	U	< 5.2	U	< 1800	U	< 5.2	U
Vinyl Chloride	75-01-4	µg/Kg	20	900	20	< 5.6	U	< 5.1	U	< 5.2	U	<180 MDL	U	< 5.2	U

Table 7: Summary of RI Soil Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
ug/Kg: microgram per kilogram (ppb)
mg/Kg: miligram per kilogram (ppm)
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
Method Detection Limit (MDL) above the UUSCO
Result rejected due to severe QC exceedance

Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	MW-6 6-8 FT CA38296 4/28/2018		MW-7 12-14 FT CA38297 4/28/2018		MW-8 12-14 FT CA37521 4/26/2018		D-1 CA34757 4/23/2018		D-2 CA38298 4/28/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Semivolatiles By SW8270D															
1,1- Biphenyl	92-52-4	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
1,2,4,5-Tetrachlorobenzene	95-94-3	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
2,3,4,6-tetrachlorophenol	58-90-2	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
2,4,5-Trichlorophenol	95-95-4	µg/Kg	NA	NA	100	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
2,4,6-Trichlorophenol	88-06-2	µg/Kg	NA	NA	NA	< 180	U	< 180	U	< 180	U	< 150	U	< 180	U
2,4-Dichlorophenol	120-83-2	µg/Kg	NA	NA	400	< 180	U	< 180	U	< 180	U	< 150	U	< 180	U
2,4-Dimethylphenol	105-67-9	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
2,4-Dinitrophenol	51-28-5	µg/Kg	NA	NA	200	< 260	R	< 250	R	< 250	U	< 270	U	< 260	R
2,4-Dinitrotoluene	121-14-2	µg/Kg	NA	NA	NA	< 180	U	< 180	U	< 180	U	< 150	U	< 180	U
2,6-Dinitrotoluene	606-20-2	µg/Kg	NA	NA	170	< 180	U	< 180	U	< 180	U	< 150	U	< 180	U
2-Chloronaphthalene	91-58-7	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
2-Chlorophenol	95-57-8	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
2-Methylnaphthalene	91-57-6	µg/Kg	NA	NA	36400	< 260	U	< 250	U	< 250	U	2,200		< 260	U
2-Methylphenol	95-48-7	µg/Kg	330	100,000	330	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
2-Nitroaniline	88-74-4	µg/Kg	NA	NA	400	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
2-Nitrophenol	88-75-5	µg/Kg	NA	NA	300	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
3,3-Dichlorobenzidine	91-94-1	µg/Kg	NA	NA	NA	< 180	U	< 180	U	< 180	U	< 150	U	< 180	U
3+4 Methylphenol	NA	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
3-Nitroaniline	99-09-2	µg/Kg	NA	NA	500	< 370	U	< 360	U	< 360	U	< 760	U	< 360	U
4,6-Dinitro-2-methylphenol	534-52-1	µg/Kg	NA	NA	NA	< 220	R	< 220	R	< 220	U	< 270	U	< 220	R
4-Bromophenyl-phenyl ether	101-55-3	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
4-Chloro-3-methylphenol	59-50-7	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
4-Chloroaniline	106-47-8	µg/Kg	NA	NA	220	< 290	U	< 290	U	< 290	U	< 760	U	< 290	U
4-Chlorophenyl phenyl ether	7005-72-3	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
4-Nitroaniline	100-01-6	µg/Kg	NA	NA	NA	< 370	U	< 360	U	< 360	U	< 1900	U	< 360	U
4-Nitrophenol	100-02-7	µg/Kg	NA	NA	100	< 370	U	< 360	U	< 360	U	< 270	U	< 360	U
Acenaphthene	83-32-9	µg/Kg	20,000	100,000	98,000	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Acenaphthylene	208-96-8	µg/Kg	100,000	100,000	107,000	< 260	U	< 250	U	< 250	U	< 150	U	< 260	U
Acetophenone	98-86-2	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Anthracene	120-12-7	µg/Kg	100,000	100,000	1,000,000	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Atrazine	1912-24-9	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Benzaldehyde	100-52-7	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Benzo-a-Anthracene	56-55-3	µg/Kg	1,000	1,000	1,000	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U

Table 7: Summary of RI Soil Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
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mg/Kg: miligram per kilogram (ppm)
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Detected at concentration above 6 NYCRR Part 375 Restricted Residential Soil Cleanup Objectives
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Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYCRR 375 Protection of Groundwater	MW-6 6-8 FT CA38296 4/28/2018		MW-7 12-14 FT CA38297 4/28/2018		MW-8 12-14 FT CA37521 4/26/2018		D-1 CA34757 4/23/2018		D-2 CA38298 4/28/2018	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Benzo-a-Pyrene	50-32-8	µg/Kg	1,000	1,000	22,000	< 180	U	< 180	U	< 180	U	< 150	U	< 180	U
Benzo-b-Fluoranthene	205-99-2	µg/Kg	1,000	1,000	1,700	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Benzo-g,h,i-Perylene	191-24-2	µg/Kg	100,000	100,000	1,000,000	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Benzo-k-Fluoranthene	207-08-9	µg/Kg	800	3,900	1,700	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Bis(2-Chloroethoxy)methane	111-91-1	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Bis(2-Chloroethyl)ether	111-44-4	µg/Kg	NA	NA	NA	< 180	U	< 180	U	< 180	U	< 150	U	< 180	U
Bis(2-Chloroisopropyl)ether	39638-32-9	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Bis(2-Ethylhexyl)Phthalate	117-81-7	µg/Kg	NA	NA	435000	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Butylbenzylphthalate	85-68-7	µg/Kg	NA	NA	122000	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Caprolactam	105-60-2	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Carbazole	86-74-8	µg/Kg	NA	NA	NA	< 180	U	< 180	U	< 180	U	< 270	U	< 180	U
Chrysene	218-01-9	µg/Kg	1,000	3,900	1,000	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Dibenzo-a,h-Anthracene	53-70-3	µg/Kg	330	330	1000000	< 180	U	< 180	U	< 180	U	< 150	U	< 180	U
Dibenzofuran	132-64-9	µg/Kg	7000	59,000	6,200	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Diethyl Phthalate	84-66-2	µg/Kg	NA	NA	7100	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Dimethyl Phthalate	131-11-3	µg/Kg	NA	NA	27000	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Di-n-Butyl Phthalate	84-74-2	µg/Kg	NA	NA	8100	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Di-n-Octyl Phthalate	117-84-0	µg/Kg	NA	NA	120000	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Fluoranthene	206-44-0	µg/Kg	100,000	100,000	1,000,000	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Fluorene	86-73-7	µg/Kg	30,000	100,000	386,000	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Hexachlorobenzene	118-74-1	µg/Kg	330	1,200	1400	< 180	U	< 180	U	< 180	U	< 150	U	< 180	U
Hexachlorobutadiene	87-68-3	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Hexachlorocyclopentadiene	77-47-4	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Hexachloroethane	67-72-1	µg/Kg	NA	NA	NA	< 180	U	< 180	U	< 180	U	< 150	U	< 180	U
Indeno(1,2,3-cd)Pyrene	193-39-5	µg/Kg	500	500	8200	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Isophorone	78-59-1	µg/Kg	NA	NA	4400	< 180	U	< 180	U	< 180	U	< 150	U	< 180	U
Naphthalene	91-20-3	µg/Kg	12,000	100,000	12,000	< 260	U	< 250	U	210	J	< 270	U	< 260	U
Nitrobenzene	98-95-3	µg/Kg	NA	15000	170	< 180	U	< 180	U	< 180	U	< 150	U	< 180	U
N-Nitrosodimethylamine	62-75-9	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
N-Nitroso-di-n-Propylamine	621-64-7	µg/Kg	NA	NA	NA	< 180	U	< 180	U	< 180	U	< 150	U	< 180	U
N-Nitrosodiphenylamine	86-30-6	µg/Kg	NA	NA	NA	< 260	U	< 250	U	< 250	U	< 150	U	< 260	U
Pentachlorophenol	87-86-5	µg/Kg	800b	6,700	800e	< 220	U	< 220	U	< 220	U	< 270	U	< 220	U
Phenanthrene	85-01-8	µg/Kg	100,000	100,000	1,000,000	< 260	U	< 250	U	< 250	U	< 150	U	< 260	U
Phenol	108-95-2	µg/Kg	330	100,000	330	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U
Pyrene	129-00-0	µg/Kg	100,000	100,000	1,000,000	< 260	U	< 250	U	< 250	U	< 270	U	< 260	U

Table 8: Summary of RI Groundwater Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
mg/L: miligram per liter (ppm)
µg/L: microgram per liter (ppb)
Analyte detected
Method Detection Limit (MDL) above TOGS 1.1.1 Ambient Water Quality Standard
Concentratoin above TOGS 1.1.1 Ambient Water Quality Standard
Result rejected due to severe QC exceedance

Parameters	Sample ID	Units	NYSDEC TOGS 1.1.1. AWQS	MW-1		MW-2		MW-3		MW-4		MW-5	
	Lab ID			CA44183		CA44178		CA44179		CA44175		CA44176	
	Sample Date			5/8/2018		5/8/2018		5/8/2018		5/8/2018		5/8/2018	
	CAS			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Metals, Total													
Aluminum, Al	7429-90-5	mg/L	0.1	0.108	N	0.087	N	0.791	N	0.382	N	0.11	N
Arsenic, As	7440-38-2	mg/L	0.025	< 0.004	U	< 0.004	U	< 0.004	U	< 0.004	U	< 0.004	U
Barium, Ba	7440-39-3	mg/L	1	0.36		0.096		0.053		0.335		0.042	
Beryllium, Be	7440-41-7	mg/L	0.003	< 0.001	U	< 0.001	U	< 0.001	U	< 0.001	U	< 0.001	U
Cadmium, Cd	7440-43-9	mg/L	0.005	< 0.004	U	< 0.004	U	< 0.004	U	< 0.004	U	< 0.004	U
Calcium, Ca	7440-70-2	mg/L	NA	225		179		29.3		240		62.4	
Chromium, Cr	7440-47-3	mg/L	0.05	< 0.001	U	< 0.001	U	0.002		0.002		0.002	
Cobalt, Co	7440-48-4	mg/L	NA	< 0.005	U	< 0.005	U	0.001	J	< 0.005	U	< 0.005	U
Copper, Cu	7440-50-8	mg/L	0.2	< 0.005	U	0.001	J	0.002	J	0.003	J	< 0.005	U
Iron, Fe	7439-89-6	mg/L	0.3	39.9		4.84		1.21		52.5		0.1	
Lead, Pb	7439-92-1	mg/L	0.025	0.005		< 0.002	U	< 0.002	U	0.007		< 0.002	U
Magnesium, Mg	7439-95-4	mg/L	35	45		15.9		7.22		31		11.1	
Manganese, Mn	7439-96-5	mg/L	0.3	16		1.78		1.7		4.06		0.089	
Mercury, Hg	7439-97-6	mg/L	0.0007	< 0.0002	U	< 0.0002	U	< 0.0002	U	< 0.0002	U	< 0.0002	U
Nickel, Ni	7440-02-0	mg/L	0.1	0.003	J	0.002	J	0.006		0.002	J	0.005	
Potassium, K	9/7/7440	mg/L	NA	10.5		13.3		5.9		10.9		4.4	
Antimony, Sb	7440-36-0	mg/L	0.003	< 0.0030	U	< 0.0030	U	< 0.0030	U	< 0.0030	U	< 0.0030	U
Selenium, Se	7782-49-2	mg/L	0.01	< 0.010	U	< 0.010	U	< 0.010	U	< 0.010	U	0.012	
Silver, Ag	7440-22-4	mg/L	0.05	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U
Sodium, Na	7440-23-5	mg/L	20	54.9		46.6		143		358		29.7	
Thallium, Ti	7440-28-0	mg/L	0.0005	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U
Vanadium, V	7440-62-2	mg/L	NA	< 0.010	U	< 0.010	U	0.002	J	< 0.010	U	< 0.010	U
Zinc, Zn	7440-66-6	mg/L	2	0.004	J	0.007	J	0.003	J	0.008	J	< 0.010	U
Cyanide	57-12-5	mg/L	0.2	< 0.010	U	< 0.010	U	< 0.010	U	< 0.010	U	< 0.010	U

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The Huguenot Site, New Rochelle, New York

Notes:
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µg/L: microgram per liter (ppb)
Analyte detected
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Concentratoin above TOGS 1.1.1 Ambient Water Quality Standard
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Parameters	Sample ID	Units	NYSDEC TOGS 1.1.1. AWQS	MW-1		MW-2		MW-3		MW-4		MW-5	
	Lab ID			CA44183		CA44178		CA44179		CA44175		CA44176	
	Sample Date			5/8/2018		5/8/2018		5/8/2018		5/8/2018		5/8/2018	
	CAS			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
PCBs By SW8082A													
Aroclor 1016	12674-11-2	µg/L	0.09	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U
Aroclor 1221	11104-28-2	µg/L		< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U
Aroclor 1232	11141-16-5	µg/L		< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U
Aroclor 1242	53469-21-9	µg/L		< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U
Aroclor 1248	12672-29-6	µg/L		< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U
Aroclor 1254	11097-69-1	µg/L		< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U
Aroclor 1260	11096-82-5	µg/L		< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U
Aroclor 1262	37324-23-5	µg/L		< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U
Aroclor 1268	11100-14-4	µg/L		< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U

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Analyte detected
Method Detection Limit (MDL) above TOGS 1.1.1 Ambient Water Quality Standard
Concentratoin above TOGS 1.1.1 Ambient Water Quality Standard
Result rejected due to severe QC exceedance

Parameters	Sample ID	Units	NYSDEC TOGS 1.1.1. AWQS	MW-1		MW-2		MW-3		MW-4		MW-5	
	Lab ID			CA44183		CA44178		CA44179		CA44175		CA44176	
	Sample Date			5/8/2018		5/8/2018		5/8/2018		5/8/2018		5/8/2018	
	CAS			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Volatiles By SW8260C													
1,1,1,2-Tetrachloroethane	630-20-6	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
1,1,1-Trichloroethane	71-55-6	µg/L	5	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
1,1,2,2-Tetrachloroethane	79-34-5	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
1,1,2-Trichloroethane	79-00-5	µg/L	1	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
1,1-Dichloroethane	75-34-3	µg/L	5	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
1,1-Dichloroethene	75-35-4	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
1,2,3-Trichlorobenzene	87-61-6	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
1,2,3-Trichloropropane	96-18-4	µg/L	0.04	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U
1,2,4-Trichlorobenzene	120-82-1	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
1,2,4-Trimethylbenzene	95-63-6	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	0.37	J	< 1.0	U
1,2-Dibromo-3-Chloropropane	96-12-8	µg/L	0.04	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U
1,2-Dibromoethane	106-93-4	µg/L	0.0006	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U
1,2-Dichlorobenzene	95-50-1	µg/L	3	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
1,2-Dichloroethane	107-06-2	µg/L	0.6	< 0.60	U	< 0.60	U	< 0.60	U	< 0.60	U	< 0.60	U
1,2-Dichloropropane	78-87-5	µg/L	1	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
1,3,5-Trimethylbenzene	108-67-8	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	0.39	J	< 1.0	U
1,3-Dichlorobenzene	541-73-1	µg/L	3	3.2		6		2		6.8		1.7	J
1,3-Dichloropropane	142-28-9	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
1,4-Dichlorobenzene	106-46-7	µg/L	3	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
2,2-Dichloropropane	594-20-7	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
2-Chlorotoluene	95-49-8	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
2-Hexanone	591-78-6	µg/L	50	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U
4-Methyl-2-pentanone	108-10-1	µg/L	NA	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U
Acetone	67-64-1	µg/L	50	< 5.0	U	8.7	S	< 5.0	U	< 5.0	U	< 5.0	U
Benzene	71-43-2	µg/L	1	< 0.70	U	< 0.70	U	< 0.70	U	0.74		< 0.70	U
Bromochloromethane	74-97-5	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Bromodichloromethane	75-27-4	µg/L	50	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Bromoform	75-25-2	µg/L	50	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Bromomethane	74-83-9	µg/L	5	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
Carbon Disulfide	75-15-0	µg/L	60	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Carbon Tetrachloride	56-23-5	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U

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Notes:
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Analyte detected
Method Detection Limit (MDL) above TOGS 1.1.1 Ambient Water Quality Standard
Concentratoin above TOGS 1.1.1 Ambient Water Quality Standard
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Parameters	Sample ID	Units	NYSDEC TOGS 1.1.1. AWQS	MW-1		MW-2		MW-3		MW-4		MW-5	
	Lab ID			CA44183		CA44178		CA44179		CA44175		CA44176	
	Sample Date			5/8/2018		5/8/2018		5/8/2018		5/8/2018		5/8/2018	
	CAS			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Chlorobenzene	108-90-7	µg/L	5	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
Chloroethane	75-00-3	µg/L	5	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
Chloroform	67-66-3	µg/L	7	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
Chloromethane	74-87-3	µg/L	5	< 2.0	U	< 2.0	U	0.54	J	< 2.0	U	< 2.0	U
cis-1,2-Dichloroethene	156-59-2	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
cis-1,3-Dichloropropene	10061-01-5	µg/L	0.4	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U
Cyclohexane	110-82-7	µg/L	NA	2.1	J	< 5.0	U	< 5.0	U	26		< 5.0	U
Dibromochloromethane	124-48-1	µg/L	50	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Dibromomethane	74-95-3	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Dichlorodifluoromethane	75-71-8	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Ethylbenzene	100-41-4	µg/L	5	0.31	J	< 1.0	U	< 1.0	U	4.6		< 1.0	U
Isopropylbenzene	98-82-8	µg/L	5	2.3		2.7		< 1.0	U	17		< 1.0	U
m&p-Xylene	179601-23-1	µg/L		0.31	J	< 1.0	U	< 1.0	U	2		< 1.0	U
Methyl ethyl ketone	78-93-3	µg/L	50	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U
Methyl Tert-Butyl Ether	1634-04-4	µg/L	10	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Methylacetate	79-20-9	µg/L	NA	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U
Methylcyclohexane	108-87-2	µg/L	NA	4.3		< 2.0	U	< 2.0	U	36		< 2.0	U
Methylene Chloride	75-09-2	µg/L	5	< 3.0	U	< 3.0	U	< 3.0	U	< 3.0	U	< 3.0	U
Naphthalene	91-20-3	µg/L	10	36		1.1		< 1.0	U	2		< 1.0	U
n-Butylbenzene	104-51-8	µg/L	5	3.6		0.99	J	< 1.0	U	2.5		< 1.0	U
n-Propylbenzene	103-65-1	µg/L	5	1.4		2.9		< 1.0	U	15		< 1.0	U
o-Xylene	95-47-6	µg/L	NA	0.62	J	< 1.0	U	< 1.0	U	0.45	J	< 1.0	U
p-Isoproplytoluene	99-87-6	µg/L	5	0.32	J	< 1.0	U	< 1.0	U	5.3		< 1.0	U
sec-Butylbenzene	135-98-8	µg/L	5	4.1		3.1		0.35	J	3.4		< 1.0	U
Styrene	100-42-5	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
tert-Butylbenzene	98-06-6	µg/L	NA	0.53	J	2.1		< 1.0	U	1.5		< 1.0	U
Tetrachloroethene	127-18-4	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Toluene	108-88-3	µg/L	5	< 2.0	U	< 2.0	U	< 2.0	U	0.44	J	< 2.0	U
Total Xylenes	1330-20-7	µg/L	15	< 1.0	U	< 1.0	U	< 1.0	U	2.4		< 1.0	U
trans-1,2-Dichloroethene	156-60-5	µg/L	5	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
trans-1,3-Dichloropropene	10061-02-6	µg/L	0.4	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U
Trichloroethene	79-01-6	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Trichlorofluoromethane	75-69-4	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Trichlorotrifluoroethane	76-13-1	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Vinyl Chloride	75-01-4	µg/L	2	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U

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The Huguenot Site, New Rochelle, New York

Notes:
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Analyte detected
Method Detection Limit (MDL) above TOGS 1.1.1 Ambient Water Quality Standard
Concentratoin above TOGS 1.1.1 Ambient Water Quality Standard
Result rejected due to severe QC exceedance

Parameters	Sample ID / Lab ID / Sample Date / CAS	Units	NYSDEC TOGS 1.1.1. AWQS	MW-1 CA44183 5/8/2018		MW-2 CA44178 5/8/2018		MW-3 CA44179 5/8/2018		MW-4 CA44175 5/8/2018		MW-5 CA44176 5/8/2018	
				Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Semivolatiles By SW8270D (SIM)													
1-1- Biphenyl	92-52-4	µg/L	NA	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U
1,2,4,5-Tetrachlorobenzene	95-94-3	µg/L	10	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U
2,3,4,6-tetrachlorophenol	58-90-2	µg/L		< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	R
2,4,5-Trichlorophenol	95-95-4	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	R
2,4,6-Trichlorophenol	88-06-2	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	R
2,4-Dichlorophenol	120-83-2	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	R
2,4-Dimethylphenol	105-67-9	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	R
2,4-Dinitrophenol	51-28-5	µg/L	10	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	R
2-Chlorophenol	95-57-8	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	R
2-Methylphenol	95-48-7	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	0.25		< 0.19	R
2-Nitrophenol	88-75-5	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	R
4,6-Dinitro-2-methylphenol	534-52-1	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	R
4-Chloro-3-methylphenol	59-50-7	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	R
4-Nitrophenol	100-02-7	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	R
Acenaphthylene	208-96-8	µg/L	NA	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U
Anthracene	120-12-7	µg/L	50	0.32		< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U
Atrazine	1912-24-9	µg/L	NA	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U
Benzo-a-Anthracene	56-55-3	µg/L	0.002	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U
Benzo-a-Pyrene	50-32-8	µg/L	MDL	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U
Benzo-b-Fluoranthene	205-99-2	µg/L	0.002	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U
Benzo-g,h,i-Perylene	191-24-2	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U
Benzo-k-Fluoranthene	207-08-9	µg/L	0.002	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U
Bis(2-Chloroethyl)ether	111-44-4	µg/L	1	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U
Bis(2-Ethylhexyl)Phthalate	117-81-7	µg/L	5	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U
Chrysene	218-01-9	µg/L	0.002	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U
Dibenzo-a,h-Anthracene	53-70-3	µg/L	NA	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U
Fluoranthene	206-44-0	µg/L	50	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U
Fluorene	86-73-7	µg/L	50	3.8		0.46		< 0.19	U	< 0.19	U	< 0.19	U
Hexachlorobenzene	118-74-1	µg/L	0.04	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U
Hexachlorobutadiene	87-68-3	µg/L	0.5	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U
Hexachlorocyclopentadiene	77-47-4	µg/L	5	< 0.09	U	< 0.09	U	< 0.09	U	< 0.09	U	< 0.09	U
Hexachloroethane	67-72-1	µg/L	5	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U
Indeno(1,2,3-cd)Pyrene	193-39-5	µg/L	0.002	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U
Nitrobenzene	98-95-3	µg/L	0.4	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U
N-Nitrosodimethylamine	62-75-9	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U
Pentachlorophenol	87-86-5	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	R
Phenanthrene	85-01-8	µg/L	50	1.7		0.3		0.11		< 0.05	U	< 0.05	U
Phenol	108-95-2	µg/L	1	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	R
Pyrene	129-00-0	µg/L	50	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U

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Parameters	Sample ID	Units	NYSDEC TOGS 1.1.1. AWQS	MW-1		MW-2		MW-3		MW-4		MW-5	
	Lab ID			CA44183		CA44178		CA44179		CA44175		CA44176	
	Sample Date			5/8/2018		5/8/2018		5/8/2018		5/8/2018		5/8/2018	
	CAS			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Semivolatiles By SW8270D													
2,4-Dinitrotoluene	121-14-2	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
2,6-Dinitrotoluene	606-20-2	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
2-Chloronaphthalene	91-58-7	µg/L	10	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
2-Methylnaphthalene	91-57-6	µg/L	NA	39		< 4.7	U	< 4.7	U	12		< 4.7	U
2-Nitroaniline	88-74-4	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
3+4 Methylphenol	NA	µg/L	NA	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	R
3,3-Dichlorobenzidine	91-94-1	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
3-Nitroaniline	99-09-2	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
4-Bromophenyl-phenyl ether	101-55-3	µg/L	NA	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
4-Chloroaniline	106-47-8	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
4-Chlorophenyl phenyl ether	7005-72-3	µg/L	NA	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
4-Nitroaniline	100-01-6	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
Acenaphthene	83-32-9	µg/L	20	2.4	J	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
Acetophenone	98-86-2	µg/L	NA	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
Benzaldehyde	100-52-7	µg/L	NA	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
Butylbenzylphthalate	85-68-7	µg/L	50	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
Bis(2-Chloroethoxy)methane	111-91-1	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
Bis(2-Chloroisopropyl)ether	39638-32-9	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
Caprolactam	105-60-2	µg/L	NA	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
Carbazole	86-74-8	µg/L	NA	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
Dibenzofuran	132-64-9	µg/L	NA	3.9	J	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
Diethyl Phthalate	84-66-2	µg/L	50	< 4.7	U	< 4.7	U	< 4.7	U	1.7	J	< 4.7	U
Dimethyl Phthalate	131-11-3	µg/L	50	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
Di-n-Butyl Phthalate	84-74-2	µg/L	50	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
Di-n-Octyl Phthalate	117-84-0	µg/L	50	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
Hexachlorocyclopentadiene	77-47-4	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
Isophorone	78-59-1	µg/L	50	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
Naphthalene	91-20-3	µg/L	10	16		< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
N-Nitroso-di-n-Propylamine	621-64-7	µg/L	NA	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U
N-Nitrosodiphenylamine	86-30-6	µg/L	50	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U

Table 8: Summary of RI Groundwater Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
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Analyte detected
Method Detection Limit (MDL) above TOGS 1.1.1 Ambient Water Quality Standard
Concentratoin above TOGS 1.1.1 Ambient Water Quality Standard
Result rejected due to severe QC exceedance

Parameters	Sample ID	Units	NYSDEC TOGS 1.1.1. AWQS	MW-1		MW-2		MW-3		MW-4		MW-5	
	Lab ID			CA44183		CA44178		CA44179		CA44175		CA44176	
	Sample Date			5/8/2018		5/8/2018		5/8/2018		5/8/2018		5/8/2018	
	CAS			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides By SW8081B													
4,4-DDD	72-54-8	µg/L	0.3	< 0.094	U	< 0.005	U	< 0.005	U	< 0.024	U	< 0.005	U
4,4-DDE	72-55-9	µg/L	0.2	< 0.094	U	< 0.005	U	< 0.005	U	< 0.024	U	< 0.005	U
4,4-DDT	50-29-3	µg/L	0.2	< 0.094	U	< 0.005	U	< 0.005	U	< 0.024	U	< 0.005	U
alpha-BHC	319-84-6	µg/L	0.01	< 0.15	U	< 0.005	U	< 0.005	U	< 0.024	U	< 0.005	U
Chlordane	5103-71-9	µg/L	NA	< 0.47	U	< 0.047	U	< 0.009	U	< 0.047	U	< 0.009	U
Alachlor	15972-60-8	µg/L	0.5	< 0.23	U	< 0.35	U	< 0.071	U	< 0.35	U	< 0.071	U
Aldrin	309-00-2	µg/L	MDL	< 0.094	U	< 0.005	U	< 0.001	U	< 0.007	U	< 0.001	U
beta-BHC	319-85-7	µg/L	0.04	< 0.094	U	< 0.024	U	< 0.005	U	< 0.024	U	< 0.005	U
Chlordane	57-74-9	µg/L	0.05	< 2.3	U	< 0.047	U	< 0.047	U	< 0.050	U	< 0.047	U
delta-BHC	319-86-8	µg/L	0.04	< 0.094	U	< 0.024	U	< 0.005	U	< 0.024	U	< 0.005	U
Dieldrin	60-57-1	µg/L	0.004	< 0.094	U	< 0.004	U	< 0.001	U	< 0.007	U	< 0.001	U
Endosulfan I	959-98-8	µg/L	NA	< 0.23	U	< 0.047	U	< 0.009	U	< 0.047	U	< 0.009	U
Endosulfan II	33213-65-9	µg/L	NA	< 0.23	U	< 0.047	U	< 0.009	U	< 0.047	U	< 0.009	U
Endosulfan Sulfate	1031-07-8	µg/L	NA	< 0.23	U	< 0.047	U	< 0.009	U	< 0.047	U	< 0.009	U
Endrin	72-20-8	µg/L	MDL	< 0.23	U	< 0.009	U	< 0.009	U	< 0.023	U	< 0.009	U
Endrin Aldehyde	7421-93-4	µg/L	5	< 0.47	U	< 0.047	U	< 0.009	U	< 0.047	U	< 0.009	U
Endrin Ketone	53494-70-5	µg/L	5	< 0.47	U	< 0.009	U	< 0.009	U	< 0.047	U	< 0.009	U
gamma-BHC	58-89-9	µg/L	0.05	< 0.094	U	< 0.024	U	< 0.005	U	< 0.024	U	< 0.005	U
gamma-chlordane	5103-74-2	µg/L	NA	< 0.094	U	< 0.047	U	< 0.009	U	< 0.047	U	< 0.009	U
Heptachlor	76-44-8	µg/L	0.04	< 0.23	U	< 0.009	U	< 0.009	U	< 0.023	U	< 0.009	U
Heptachlor Epoxide	1024-57-3	µg/L	0.03	< 0.23	U	< 0.009	U	< 0.009	U	< 0.010	U	< 0.009	U
Methoxychlor	72-43-5	µg/L	35	< 4.7	U	< 0.47	U	< 0.094	U	< 0.47	U	< 0.094	U
Toxaphene	8001-35-2	µg/L	0.06	< 9.4	U	< 0.19	U	< 0.19	U	< 0.94	U	< 0.19	U
1,4-dioxane By SW8270DSIM													
1,4-Dioxane	123-91-1	µg/L	NA	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U

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Analyte detected
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Concentratoin above TOGS 1.1.1 Ambient Water Quality Standard
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Parameters	Sample ID	Units	NYSDEC TOGS 1.1.1. AWQS	MW-6		MW-7		MW-8		D-1		FIELD BLANK		TRIP BLANK	
	Lab ID			CA44714		CA44180		CA44177		CA44181		CA44182		CA44383	
	Sample Date			5/9/2018		5/8/2018		5/8/2018		5/8/2018		5/8/2018		5/9/2018	
	CAS			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Metals, Total															
Aluminum, Al	7429-90-5	mg/L	0.1	3.82		0.869	N	3.95	N	0.099	N	0.004	J, N	NT	
Arsenic, As	7440-38-2	mg/L	0.025	< 0.004	U	< 0.004	U	< 0.004	U	< 0.004	U	< 0.004	U	NT	
Barium, Ba	7440-39-3	mg/L	1	0.124		0.171		0.116		0.042		< 0.010	U	NT	
Beryllium, Be	7440-41-7	mg/L	0.003	< 0.001	U	< 0.001	U	< 0.001	U	< 0.001	U	< 0.001	U	NT	
Cadmium, Cd	7440-43-9	mg/L	0.005	< 0.001	U	< 0.004	U	< 0.004	U	< 0.004	U	< 0.004	U	NT	
Calcium, Ca	7440-70-2	mg/L	NA	92.5		39.7		99.3		61.5		0.061		NT	
Chromium, Cr	7440-47-3	mg/L	0.05	0.012		0.002		0.006		0.002		< 0.001	U	NT	
Cobalt, Co	7440-48-4	mg/L	NA	0.002		0.003	J	0.004	J	< 0.005	U	< 0.005	U	NT	
Copper, Cu	7440-50-8	mg/L	0.2	0.009		0.001	J	0.014		< 0.005	U	< 0.005	U	NT	
Iron, Fe	7439-89-6	mg/L	0.3	4.39		1.77		3.29		0.08		< 0.01	U	NT	
Lead, Pb	7439-92-1	mg/L	0.025	< 0.002	U	< 0.002	U	< 0.002	U	< 0.002	U	< 0.002	U	NT	
Magnesium, Mg	7439-95-4	mg/L	35	20.8		29.1		54.4		10.9		0.024		NT	
Manganese, Mn	7439-96-5	mg/L	0.3	0.356		3.38		1.43		0.089		< 0.005	U	NT	
Mercury, Hg	7439-97-6	mg/L	0.0007	< 0.0002	U	< 0.0002	U	< 0.0002	U	< 0.0002	U	< 0.0002	U	NT	
Nickel, Ni	7440-02-0	mg/L	0.1	0.035		0.029		0.007		0.004		< 0.004	U	NT	
Potassium, K	9/7/7440	mg/L	NA	6.8		7.6		15.6		4.5		< 0.1	U	NT	
Antimony, Sb	7440-36-0	mg/L	0.003	<0.0030	U	< 0.0030	U	< 0.0030	U	< 0.0030	U	< 0.0030	U	NT	
Selenium, Se	7782-49-2	mg/L	0.01	< 0.010	U	< 0.010	U	< 0.010	U	0.012		< 0.010	U	NT	
Silver, Ag	7440-22-4	mg/L	0.05	< 0.001	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	NT	
Sodium, Na	7440-23-5	mg/L	20	97.7		53.5		234		30.2		0.14		NT	
Thallium, Ti	7440-28-0	mg/L	0.0005	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	NT	
Vanadium, V	7440-62-2	mg/L	NA	0.006		< 0.010	U	0.004	J	< 0.010	U	< 0.010	U	NT	
Zinc, Zn	7440-66-6	mg/L	2	0.019		0.006	J	0.011		0.002	J	< 0.010	U	NT	
Cyanide	57-12-5	mg/L	0.2	< 0.010	U	< 0.010	U	< 0.010	U	< 0.010	U	< 0.010	U	NT	

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	Lab ID			CA44714		CA44180		CA44177		CA44181		CA44182		CA44383	
	Sample Date			5/9/2018		5/8/2018		5/8/2018		5/8/2018		5/8/2018		5/9/2018	
	CAS			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
PCBs By SW8082A															
Aroclor 1016	12674-11-2	µg/L		< 0.090	U	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	NT	
Aroclor 1221	11104-28-2	µg/L		< 0.090	U	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	NT	
Aroclor 1232	11141-16-5	µg/L		< 0.090	U	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	NT	
Aroclor 1242	53469-21-9	µg/L		< 0.090	U	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	NT	
Aroclor 1248	12672-29-6	µg/L	0.09	< 0.090	U	< 0.047	U	0.094		< 0.047	U	< 0.047	U	NT	
Aroclor 1254	11097-69-1	µg/L		< 0.090	U	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	NT	
Aroclor 1260	11096-82-5	µg/L		< 0.090	U	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	NT	
Aroclor 1262	37324-23-5	µg/L		< 0.090	U	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	NT	
Aroclor 1268	11100-14-4	µg/L		< 0.090	U	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	NT	

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	Lab ID			CA44714		CA44180		CA44177		CA44181		CA44182		CA44383	
	Sample Date			5/9/2018		5/8/2018		5/8/2018		5/8/2018		5/8/2018		5/9/2018	
	CAS			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Volatiles By SW8260C															
1,1,1,2-Tetrachloroethane	630-20-6	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
1,1,1-Trichloroethane	71-55-6	µg/L	5	< 5.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
1,1,2,2-Tetrachloroethane	79-34-5	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
1,1,2-Trichloroethane	79-00-5	µg/L	1	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
1,1-Dichloroethane	75-34-3	µg/L	5	< 5.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
1,1-Dichloroethene	75-35-4	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
1,2,3-Trichlorobenzene	87-61-6	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
1,2,3-Trichloropropane	96-18-4	µg/L	0.04	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U
1,2,4-Trichlorobenzene	120-82-1	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
1,2,4-Trimethylbenzene	95-63-6	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
1,2-Dibromo-3-Chloropropane	96-12-8	µg/L	0.04	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U
1,2-Dibromoethane	106-93-4	µg/L	0.0006	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U
1,2-Dichlorobenzene	95-50-1	µg/L	3	< 1.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
1,2-Dichloroethane	107-06-2	µg/L	0.6	< 0.60	U	< 0.60	U	< 0.60	U	< 0.60	U	< 0.60	U	< 0.60	U
1,2-Dichloropropane	78-87-5	µg/L	1	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
1,3,5-Trimethylbenzene	108-67-8	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
1,3-Dichlorobenzene	541-73-1	µg/L	3	2		1.5	J	4.9		2		< 2.0	U	< 2.0	U
1,3-Dichloropropane	142-28-9	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
1,4-Dichlorobenzene	106-46-7	µg/L	3	< 1.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
2,2-Dichloropropane	594-20-7	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
2-Chlorotoluene	95-49-8	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
2-Hexanone	591-78-6	µg/L	50	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U
4-Methyl-2-pentanone	108-10-1	µg/L	NA	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U
Acetone	67-64-1	µg/L	50	< 5.0	U	6.9	S	12	S	< 5.0	U	< 5.0	U	2.5	JS
Benzene	71-43-2	µg/L	1	< 0.70	U	< 0.70	U	< 0.70	U	< 0.70	U	< 0.70	U	< 0.70	U
Bromochloromethane	74-97-5	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Bromodichloromethane	75-27-4	µg/L	50	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Bromoform	75-25-2	µg/L	50	< 5.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Bromomethane	74-83-9	µg/L	5	< 5.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
Carbon Disulfide	75-15-0	µg/L	60	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Carbon Tetrachloride	56-23-5	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U

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	Sample Date			5/9/2018		5/8/2018		5/8/2018		5/8/2018		5/8/2018		5/9/2018	
	CAS			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Chlorobenzene	108-90-7	µg/L	5	< 5.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
Chloroethane	75-00-3	µg/L	5	< 5.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
Chloroform	67-66-3	µg/L	7	< 5.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
Chloromethane	74-87-3	µg/L	5	< 5.0	U	< 2.0	U	< 2.0	U	< 2.0	U	0.38	J	< 2.0	U
cis-1,2-Dichloroethene	156-59-2	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
cis-1,3-Dichloropropene	10061-01-5	µg/L	0.4	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U
Cyclohexane	110-82-7	µg/L	NA	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U
Dibromochloromethane	124-48-1	µg/L	50	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Dibromomethane	74-95-3	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Dichlorodifluoromethane	75-71-8	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Ethylbenzene	100-41-4	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Isopropylbenzene	98-82-8	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
m&p-Xylene	179601-23-1	µg/L		< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Methyl ethyl ketone	78-93-3	µg/L	50	< 5.0	U	< 5.0	U	8.3		< 5.0	U	< 5.0	U	< 5.0	U
Methyl Tert-Butyl Ether	1634-04-4	µg/L	10	< 1.0	U	3.3		0.26	J	< 1.0	U	< 1.0	U	< 1.0	U
Methylacetate	79-20-9	µg/L	NA	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U
Methylcyclohexane	108-87-2	µg/L	NA	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
Methylene Chloride	75-09-2	µg/L	5	< 3.0	U	< 3.0	U	< 3.0	U	< 3.0	U	< 3.0	U	< 3.0	U
Naphthalene	91-20-3	µg/L	10	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
n-Butylbenzene	104-51-8	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
n-Propylbenzene	103-65-1	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
o-Xylene	95-47-6	µg/L	NA	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
p-Isoproplytoluene	99-87-6	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
sec-Butylbenzene	135-98-8	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Styrene	100-42-5	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
tert-Butylbenzene	98-06-6	µg/L	NA	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Tetrachloroethene	127-18-4	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Toluene	108-88-3	µg/L	5	< 1.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
Total Xylenes	1330-20-7	µg/L	15	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
trans-1,2-Dichloroethene	156-60-5	µg/L	5	< 5.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U	< 2.0	U
trans-1,3-Dichloropropene	10061-02-6	µg/L	0.4	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U
Trichloroethene	79-01-6	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Trichlorofluoromethane	75-69-4	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Trichlorotrifluoroethane	76-13-1	µg/L	5	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U
Vinyl Chloride	75-01-4	µg/L	2	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U

Table 8: Summary of RI Groundwater Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
mg/L: miligram per liter (ppm)
µg/L: microgram per liter (ppb)
Analyte detected
Method Detection Limit (MDL) above TOGS 1.1.1 Ambient Water Quality Standa
Concentratoin above TOGS 1.1.1 Ambient Water Quality Standard
Result rejected due to severe QC exceedance

Parameters	Sample ID	Units	NYSDEC TOGS 1.1.1. AWQS	MW-6		MW-7		MW-8		D-1		FIELD BLANK		TRIP BLANK	
	Lab ID			CA44714		CA44180		CA44177		CA44181		CA44182		CA44383	
	Sample Date			5/9/2018		5/8/2018		5/8/2018		5/8/2018		5/8/2018		5/9/2018	
	CAS			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Semivolatiles By SW8270D (SIM)															
1-1- Biphenyl	92-52-4	µg/L	NA	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	NT	
1,2,4,5-Tetrachlorobenzene	95-94-3	µg/L	10	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	NT	
2,3,4,6-tetrachlorophenol	58-90-2	µg/L		< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
2,4,5-Trichlorophenol	95-95-4	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
2,4,6-Trichlorophenol	88-06-2	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
2,4-Dichlorophenol	120-83-2	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
2,4-Dimethylphenol	105-67-9	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
2,4-Dinitrophenol	51-28-5	µg/L	10	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
2-Chlorophenol	95-57-8	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
2-Methylphenol	95-48-7	µg/L	NA	< 0.19	U	< 0.19	U	0.59		< 0.19	U	< 0.19	U	NT	
2-Nitrophenol	88-75-5	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
4,6-Dinitro-2-methylphenol	534-52-1	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
4-Chloro-3-methylphenol	59-50-7	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
4-Nitrophenol	100-02-7	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
Acenaphthylene	208-96-8	µg/L	NA	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	NT	
Anthracene	120-12-7	µg/L	50	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
Atrazine	1912-24-9	µg/L	NA	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	< 0.47	U	NT	
Benzo-a-Anthracene	56-55-3	µg/L	0.002	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	NT	
Benzo-a-Pyrene	50-32-8	µg/L	MDL	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	NT	
Benzo-b-Fluoranthene	205-99-2	µg/L	0.002	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	NT	
Benzo-g,h,i-Perylene	191-24-2	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
Benzo-k-Fluoranthene	207-08-9	µg/L	0.002	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	NT	
Bis(2-Chloroethyl)ether	111-44-4	µg/L	1	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
Bis(2-Ethylhexyl)Phthalate	117-81-7	µg/L	5	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	< 0.28	U	NT	
Chrysene	218-01-9	µg/L	0.002	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	NT	
Dibenzo-a,h-Anthracene	53-70-3	µg/L	NA	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	NT	
Fluoranthene	206-44-0	µg/L	50	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
Fluorene	86-73-7	µg/L	50	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
Hexachlorobenzene	118-74-1	µg/L	0.04	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	NT	
Hexachlorobutadiene	87-68-3	µg/L	0.5	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
Hexachlorocyclopentadiene	77-47-4	µg/L	5	< 0.09	U	< 0.09	U	< 0.09	U	< 0.09	U	< 0.09	U	NT	
Hexachloroethane	67-72-1	µg/L	5	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
Indeno(1,2,3-cd)Pyrene	193-39-5	µg/L	0.002	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	NT	
Nitrobenzene	98-95-3	µg/L	0.4	< 0.19	U	< 0.19	U	0.19		< 0.19	U	< 0.19	U	NT	
N-Nitrosodimethylamine	62-75-9	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
Pentachlorophenol	87-86-5	µg/L	NA	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
Phenanthrene	85-01-8	µg/L	50	< 0.05	U	< 0.05	U	< 0.05	U	< 0.05	U	< 0.05	U	NT	
Phenol	108-95-2	µg/L	1	< 0.19	U	< 0.19	U	1.4		< 0.19	U	0.32		NT	
Pyrene	129-00-0	µg/L	50	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	

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The Huguenot Site, New Rochelle, New York

Notes:
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Analyte detected
Method Detection Limit (MDL) above TOGS 1.1.1 Ambient Water Quality Standa
Concentratoin above TOGS 1.1.1 Ambient Water Quality Standard
Result rejected due to severe QC exceedance

Parameters	Sample ID	Units	NYSDEC TOGS 1.1.1. AWQS	MW-6		MW-7		MW-8		D-1		FIELD BLANK		TRIP BLANK	
	Lab ID			CA44714		CA44180		CA44177		CA44181		CA44182		CA44383	
	Sample Date			5/9/2018		5/8/2018		5/8/2018		5/8/2018		5/8/2018		5/9/2018	
	CAS			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Semivolatiles By SW8270D															
2,4-Dinitrotoluene	121-14-2	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
2,6-Dinitrotoluene	606-20-2	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
2-Chloronaphthalene	91-58-7	µg/L	10	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
2-Methylnaphthalene	91-57-6	µg/L	NA	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
2-Nitroaniline	88-74-4	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
3+4 Methylphenol	NA	µg/L	NA	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
3,3-Dichlorobenzidine	91-94-1	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
3-Nitroaniline	99-09-2	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
4-Bromophenyl-phenyl ether	101-55-3	µg/L	NA	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
4-Chloroaniline	106-47-8	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
4-Chlorophenyl phenyl ether	7005-72-3	µg/L	NA	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
4-Nitroaniline	100-01-6	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
Acenaphthene	83-32-9	µg/L	20	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
Acetophenone	98-86-2	µg/L	NA	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
Benzaldehyde	100-52-7	µg/L	NA	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
Butylbenzylphthalate	85-68-7	µg/L	50	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
Bis(2-Chloroethoxy)methane	111-91-1	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
Bis(2-Chloroisopropyl)ether	39638-32-9	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
Caprolactam	105-60-2	µg/L	NA	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
Carbazole	86-74-8	µg/L	NA	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
Dibenzofuran	132-64-9	µg/L	NA	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
Diethyl Phthalate	84-66-2	µg/L	50	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
Dimethyl Phthalate	131-11-3	µg/L	50	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
Di-n-Butyl Phthalate	84-74-2	µg/L	50	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
Di-n-Octyl Phthalate	117-84-0	µg/L	50	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
Hexachlorocyclopentadiene	77-47-4	µg/L	5	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
Isophorone	78-59-1	µg/L	50	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
Naphthalene	91-20-3	µg/L	10	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
N-Nitroso-di-n-Propylamine	621-64-7	µg/L	NA	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	
N-Nitrosodiphenylamine	86-30-6	µg/L	50	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	< 4.7	U	NT	

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The Huguenot Site, New Rochelle, New York

Notes:
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Method Detection Limit (MDL) above TOGS 1.1.1 Ambient Water Quality Standa
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	Lab ID			CA44714		CA44180		CA44177		CA44181		CA44182		CA44383	
	Sample Date			5/9/2018		5/8/2018		5/8/2018		5/8/2018		5/8/2018		5/9/2018	
	CAS			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides By SW8081B															
4,4-DDD	72-54-8	µg/L	0.3	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	NT	
4,4-DDE	72-55-9	µg/L	0.2	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	NT	
4,4-DDT	50-29-3	µg/L	0.2	< 0.005	U	< 0.005	U	0.021		< 0.005	U	< 0.005	U	NT	
alpha-BHC	319-84-6	µg/L	0.01	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	NT	
Chlordane	5103-71-9	µg/L	NA	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	NT	
Alachlor	15972-60-8	µg/L	0.5	< 0.071	U	< 0.071	U	< 0.071	U	< 0.071	U	< 0.071	U	NT	
Aldrin	309-00-2	µg/L	MDL	< 0.001	U	< 0.005	U	< 0.001	U	< 0.001	U	< 0.001	U	NT	
beta-BHC	319-85-7	µg/L	0.04	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	NT	
Chlordane	57-74-9	µg/L	0.05	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	< 0.047	U	NT	
delta-BHC	319-86-8	µg/L	0.04	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	NT	
Dieldrin	60-57-1	µg/L	0.004	< 0.001	U	< 0.001	U	< 0.004	U	< 0.001	U	< 0.001	U	NT	
Endosulfan I	959-98-8	µg/L	NA	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	NT	
Endosulfan II	33213-65-9	µg/L	NA	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	NT	
Endosulfan Sulfate	1031-07-8	µg/L	NA	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	NT	
Endrin	72-20-8	µg/L	MDL	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	NT	
Endrin Aldehyde	7421-93-4	µg/L	5	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	NT	
Endrin Ketone	53494-70-5	µg/L	5	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	NT	
gamma-BHC	58-89-9	µg/L	0.05	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	NT	
gamma-chlordane	5103-74-2	µg/L	NA	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	NT	
Heptachlor	76-44-8	µg/L	0.04	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	NT	
Heptachlor Epoxide	1024-57-3	µg/L	0.03	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	< 0.009	U	NT	
Methoxychlor	72-43-5	µg/L	35	< 0.094	U	< 0.094	U	< 0.094	U	< 0.094	U	< 0.094	U	NT	
Toxaphene	8001-35-2	µg/L	0.06	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	NT	
1,4-dioxane By SW8270DSIM															
1,4-Dioxane	123-91-1	µg/L	NA	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U	NT	

Table 8: Summary of RI Groundwater Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
ng/L: nanogram per liter (ppt)
Analyte detected
PFOA and PFOS above USEPA Health Advisory Level of 70 ppt

Parameters	Sample ID / Lab ID / Sample Date	Unit	MW-1 18E0544-07		MW-2 18E0544-04		MW-3 18E0544-05		MW-4 18E0544-01		MW-5 18E0544-02	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
PFOA & PFOS												
Perfluorobutanesulfonic acid (PFBS)	375-73-5	ng/L	12	2	13	2	2.8	2	22	2	11	2
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/L	14	2	20	2	22	2	62	2	54	2
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/L	7.9	2	8.1	2	6.4	2	39	2	31	2
Perfluorobutanoic acid (PFBA)	375-22-4	ng/L	48	3	3.8	3	6	3	12	3	9.5	3
Perfluorodecanesulfonic acid (PFDS)	335-77-3	ng/L	ND	3	ND	3	ND	3	ND	3	ND	3
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	ng/L	ND	3	ND	3	ND	3	ND	3	ND	3
Perfluorooctanesulfonamide (FOSA)	754-91-6	ng/L	ND	3	ND	3	ND	3	ND	3	ND	3
Perfluoropentanoic acid (PFPeA)	2706-90-3	ng/L	16	3	19	3	22	3	93	3	55	3
6:2 Fluorotelomersulfonate (6:2 FTS)	27619-97-2	ng/L	ND	3	ND	3	ND	3	ND	3	ND	3
8:2 Fluorotelomersulfonate (8:2 FTS)	39108-34-4	ng/L	ND	3	ND	3	ND	3	ND	3	ND	3
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ng/L	6.5	2	46	2	3.4	2	61	2	20	2
Perfluorooctanoic acid (PFOA)	335-67-1	ng/L	17	2	20	2	15	2	58	2	64	2
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/L	8.8	2	54	2	17	2	44	2	120	2
Perfluorononanoic acid (PFNA)	375-95-1	ng/L	ND	2	5.7	2	2	2	3.6	2	5.2	2
Perfluorodecanoic acid (PFDA)	335-76-2	ng/L	ND	2	ND	2	ND	2	ND	2	ND	2
NMeFOSAA	2355-31-9	ng/L	ND	2	ND	2	ND	2	ND	2	ND	2
Perfluoroundecanoic acid (PFUnA)	2058-94-8	ng/L	ND	2	ND	2	ND	2	ND	2	ND	2
NEtFOSAA	2991-50-6	ng/L	ND	2	ND	2	ND	2	ND	2	ND	2
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/L	ND	2	ND	2	ND	2	ND	2	ND	2
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	ng/L	ND	2	ND	2	ND	2	ND	2	ND	2
Perfluorotetradecanoic acid (PFTA)	376-06-7	ng/L	ND	2	ND	2	ND	2	ND	2	ND	2
Total PFOA & PFOS		ng/L	25.8		74		32		102		184	
Total PFAS		ng/L	130.2		189.6		96.6		394.6		369.7	

Table 8: Summary of RI Groundwater Sampling Results
The Huguenot Site, New Rochelle, New York

Notes:
ng/L: nanogram per liter (ppt)
Analyte detected
PFOA and PFOS above USEPA Health Advisory Level of 70 ppt

Parameters	Sample ID / Lab ID / Sample Date	Unit	MW-6 18E0544-08		MW-7 18E0544-06		MW-8 18E0544-03		FIELD BLANK 18E0544-09		D-1 18E0544-10	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
PFOA & PFOS												
Perfluorobutanesulfonic acid (PFBS)	375-73-5	ng/L	60	2	27	2	7.7	2	ND	2	4.8	2
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/L	7.3	2	7.1	2	21	2	ND	2	36	2
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/L	3.2	2	3.4	2	9	2	ND	2	24	2
Perfluorobutanoic acid (PFBA)	375-22-4	ng/L	3.8	3	ND	3	8.6	3	ND	3	6.5	3
Perfluorodecanesulfonic acid (PFDS)	335-77-3	ng/L	ND	3	ND	3	ND	3	ND	3	ND	3
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	ng/L	ND	3	ND	3	ND	3	ND	3	ND	3
Perfluorooctanesulfonamide (FOSA)	754-91-6	ng/L	ND	3	ND	3	ND	3	ND	3	ND	3
Perfluoropentanoic acid (PFPeA)	2706-90-3	ng/L	6.9	3	3.5	3	13	3	ND	3	32	3
6:2 Fluorotelomersulfonate (6:2 FTS)	27619-97-2	ng/L	ND	3	ND	3	ND	3	ND	3	ND	3
8:2 Fluorotelomersulfonate (8:2 FTS)	39108-34-4	ng/L	ND	3	ND	3	ND	3	ND	3	ND	3
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ng/L	3.4	2	7.1	2	4.6	2	ND	2	15	2
Perfluorooctanoic acid (PFOA)	335-67-1	ng/L	8.8	2	12	2	35	2	ND	2	59	2
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/L	7.9	2	14	2	6.1	2	ND	2	120	2
Perfluorononanoic acid (PFNA)	375-95-1	ng/L	ND	2	4	2	2.5	2	ND	2	4.2	2
Perfluorodecanoic acid (PFDA)	335-76-2	ng/L	ND	2	ND	2	3	2	ND	2	ND	2
NMeFOSAA	2355-31-9	ng/L	ND	2	ND	2	ND	2	ND	2	ND	2
Perfluoroundecanoic acid (PFUnA)	2058-94-8	ng/L	ND	2	ND	2	ND	2	ND	2	ND	2
NEtFOSAA	2991-50-6	ng/L	ND	2	ND	2	ND	2	ND	2	ND	2
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/L	ND	2	ND	2	ND	2	ND	2	ND	2
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	ng/L	ND	2	ND	2	ND	2	ND	2	ND	2
Perfluorotetradecanoic acid (PFTA)	376-06-7	ng/L	ND	2	ND	2	ND	2	ND	2	ND	2
Total PFOA & PFOS		ng/L	16.7		26		41.1		ND		179	
Total PFAS		ng/L	101.3		78.1		110.5		ND		301.5	

Table 9: Summary of RI Air Sampling Results
The Huguenot Site, New Rochelle, New York

Parameters	Sample ID	Units	OA-1		OA-2		IA-3-1		IA-3-2		SG-3	
	Lab Id		CA10852		CA10853		CA10854		CA10851		CA10855	
	Sample Date		3/28/2018		3/28/2018		3/28/2018		3/28/2018		3/28/2018	
	CAS		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Volatiles (TO15) By TO15												
1,1,1,2-Tetrachloroethane	630-20-6	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,1,1-Trichloroethane	71-55-6	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,1,2,2-Tetrachloroethane	79-34-5	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,1,2-Trichloroethane	79-00-5	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,1-Dichloroethane	75-34-3	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,1-Dichloroethene	75-35-4	µg/m^3	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U
1,2,4-Trichlorobenzene	120-82-1	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,2,4-Trimethylbenzene	95-63-6	µg/m^3	< 1.00	U	3.96		< 1.00	U	< 1.00	U	< 1.00	U
1,2-Dibromoethane(EDB)	106-93-4	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,2-Dichlorobenzene	95-50-1	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,2-Dichloroethane	107-06-2	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,2-dichloropropane	78-87-5	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,2-Dichlorotetrafluoroethane	76-14-2	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,3,5-Trimethylbenzene	108-67-8	µg/m^3	< 1.00	U	1.11		< 1.00	U	< 1.00	U	< 1.00	U
1,3-Butadiene	106-99-0	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,3-Dichlorobenzene	541-73-1	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,4-Dichlorobenzene	106-46-7	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,4-Dioxane	123-91-1	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
2-Hexanone(MBK)	591-78-6	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
4-Ethyltoluene	622-96-8	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
4-Isopropyltoluene	99-87-6	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
4-Methyl-2-pentanone(MIBK)	108-10-1	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Acetone	67-64-1	µg/m^3	10.3		12.6		18.4		12		73.4	
Acrylonitrile	107-13-1	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Benzene	71-43-2	µg/m^3	< 1.00	U	1.48		1.19		< 1.00	U	1.23	
Benzyl chloride	100-44-7	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Bromodichloromethane	75-27-4	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Bromoform	75-25-2	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Bromomethane	74-83-9	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Carbon Disulfide	75-15-0	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Carbon Tetrachloride	56-23-5	µg/m^3	0.46		0.54		0.61		0.49		0.53	
Chlorobenzene	108-90-7	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Chloroethane	75-00-3	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Chloroform	67-66-3	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	2.8		< 1.00	U
Chloromethane	74-87-3	µg/m^3	1.21		1.39		1.52		< 1.00	U	< 1.00	U
Cis-1,2-Dichloroethene	156-59-2	µg/m^3	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U
cis-1,3-Dichloropropene	10061-01-5	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Cyclohexane	110-82-7	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Dibromochloromethane	124-48-1	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Dichlorodifluoromethane	75-71-8	µg/m^3	2.44		2.55		3.03		2.34		2.59	
Ethanol	64-17-5	µg/m^3	26.7		28.1		56.3		17.3		426	E
Ethyl acetate	141-78-6	µg/m^3	< 1.00	U	< 1.00	U	2.04		1.5		1.93	
Ethylbenzene	100-41-4	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Heptane	142-82-5	µg/m^3	< 1.00	U	1.04		1.63		< 1.00	U	< 1.00	U

Table 9: Summary of RI Air Sampling Results
The Huguenot Site, New Rochelle, New York

Parameters	Sample ID	Units	OA-1		OA-2		IA-3-1		IA-3-2		SG-3	
	Lab Id		CA10852		CA10853		CA10854		CA10851		CA10855	
	Sample Date		3/28/2018		3/28/2018		3/28/2018		3/28/2018		3/28/2018	
	CAS		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Hexachlorobutadiene	87-68-3	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Hexane	110-54-3	µg/m^3	1.03	S	1.69	S	1.18	S	< 1.00	U	< 1.00	U
Isopropylalcohol	67-63-0	µg/m^3	4.99		4.45		5.18		4.45		65.6	
Isopropylbenzene	98-82-8	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
m,p-Xylene	179601-23-1	µg/m^3	1.31		3.58		2.6		1.69		3.21	
Methyl Ethyl Ketone	78-93-3	µg/m^3	1.11		1.13		1.46		1.1		16.2	
Methyl tert-butyl ether(MTBE)	1634-04-4	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Methylene Chloride	75-09-2	µg/m^3	< 3.00	U	< 3.00	U	6.53	S	5.59	S	6.21	S
n-Butylbenzene	104-51-8	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
o-Xylene	95-47-6	µg/m^3	< 1.00	U	1.35		< 1.00	U	< 1.00	U	1.08	
Propylene	115-07-1	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	7.19	
sec-Butylbenzene	135-98-8	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Styrene	100-42-5	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Tetrachloroethene	127-18-4	µg/m^3	0.57		0.47		0.89		0.77		0.83	
Tetrahydrofuran	109-99-9	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	65.7	
Toluene	108-88-3	µg/m^3	2.58		5.01		4.71		3.07		4.11	
Trans-1,2-Dichloroethene	156-60-5	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
trans-1,3-Dichloropropene	10061-02-6	µg/m^3	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Trichloroethene	79-01-6	µg/m^3	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U
Trichlorofluoromethane	75-69-4	µg/m^3	1.49		1.67		1.95		1.56		1.73	
Trichlorotrifluoroethane	76-13-1	µg/m^3	1.03		1.1		1.33		1.02		1.09	
Vinyl Chloride	75-01-4	µg/m^3	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U

Qualifiers

U — The compound was anlayzed for but not detected at or above the MDL.
The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.

J — The value is estimated. This flag is used
a) on form 1 when the compound is reported above the MDL, but below the PQL, and
b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.

N — The concentration is based on the response fo the nearest internal. This flag is used on the TIC form for all compounds identified.

S — This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.

D — The reported concentration is the result of a diluted analysis.

(*) — See report for comment.

Result Detected

Table 10: RI Groundawter Monitoring Wells Gauging Results
The Huguenot Site, New Rochelle, New York

Survey Point	Target Point	Rod Reading	Elevation	DTW	GW Elevation
S-1			91.00		
S-1	MW-5C	8.85	82.15	8.02	74.13
	MW-5M	8.65	82.35		
	MW-4C	4.67	86.33	7.69	78.64
	MW-4M	4.5	86.50		
	R-1	4.33	86.67		
S-2	R-1	1.65	86.67		
	R-2	4.77	83.55		
S-3	R-2	4.75	83.55		
	MW-2C	5.35	82.95	7.06	75.89
	MW-2M	5.04	83.26		
S-4	R-1	5.58	86.67		
	MW-8C	5.88	86.37	8.38	77.99
	MW-8M	5.58	86.67		
	MW-3C	9.85	82.40	6.11	76.29
	MW-3M	9.52	82.73		
S-5	MW-3C	3.35	82.40		
	MW-3M	2.6			
	R-3	3.15	82.60		
	MW-7C	11.85	73.90		
	MW-7M	11.46	74.29		
S-6	R-3	5.38	82.60		
	MW-1C	4.88	83.10	7.86	75.24
	MW-1M	4.63	83.35		
S-7	MW-6C	8.38	66.29	7.47	58.82
	MW-6M	7.67	67.00		
	MW-7C	0.77	73.90	7.42	66.48
	MW-7M	0.38			

Table 11: RI Summary of Data Validation Actions- Soil Samples
The Huguenot Site

Sample ID	Analyte	Qualifier	Bias	Validation Comments
D-2 MW-3 4-5 FT MW-6 6-8 FT MW-7 12-14 FT	2,4-Dinitrophenol 4,6-Dinitro-2-methylphenol	R		Unusable: < 10% LCS/LCSD recoveries
SB-34 0-2 FT	Ethylbenzene O-Xylene (1,2-Dimethylbenzene)	R		Unusable: TIC is a target compound
All samples	2-Pentanone, 4-hydroxy-4- methyl-	R		Unusable: TIC is an aldol condensation product
SB-34 0-2 FT SB-40 6-8 FT MW-8 12-14 FT	3-Penten-2-one, 4-methyl-	R		Unusable: TIC is an aldol condensation product
SB-33 10-11 FT	Chloromethane	UJ	L	Low MS recovery
MW-3 6-8 FT	Trichlorofluoromethane	UJ	L	Low MS/MSD recoveries
SB-33 10-11 FT	Acetone	J	I	Low MS recovery + Result < QL
MW-3 6-8 FT	Chloroethane	UJ	I	Low MS/MSD recoveries + Initial Calibration outside criteria
D-1 MW-4 5-7 FT	o-Isopropyltoluene	J	I	Compound included in Instrument Calibration + FD imprecision
MW-4 5-7 FT	N-Propylbenzene	J	I	Compound included in Instrument Calibration + FD imprecision
MW-8 12-14 FT MW-3 4-5 FT MW-6 6-8 FT MW-7 12-14 FT D-2	Chloroethane	UJ	I	Initial Calibration outside criteria
MW-3 6-8 FT	Methyl Ethyl Ketone (2- Butanone)	UJ	I	Initial Calibration outside criteria
D-2 MW-3 4-5 FT MW-6 6-8 FT MW-7 12-14 FT	Acetone	J	I	Initial Calibration outside criteria + Low Calibration verification + Result < QL
MW-8 12-14 FT	Acetone	J	I	Initial Calibration outside criteria + Result < QL
SB-34 0-2 FT	Acetone	J	I	Low calibration verification + Result < QL
MW-3 6-8 FT	Acetone	J	I	Low LCS/LCSD recoveries + Initial Calibration outside criteria + Result < QL
D-1	Acetone	UJ	L	Low calibration verification
D-1 MW-4 5-7 FT MW-4 8-10 FT SB-31 0-2 FT SB-31 4-6 FT SB-32 0-2 FT SB-33 0-2 FT SB-33 10-11 FT SB-34 0-2 FT SB-34 3-5 FT SB-35 0-2 FT SB-35 5-7 FT SB-36 0-2 FT SB-36 6-8 FT SB-37 0-2 FT SB-37 6-8 FT SB-38 0-2 FT SB-38 3-5 FT SB-39 0-2 FT SB-39 5-7 FT SB-40 0-2 FT	Methylene Chloride	UJ	I	Initial Calibration outside criteria + Low calibration verification

Table 11: RI Summary of Data Validation Actions- Soil Samples
The Huguenot Site

Sample ID	Analyte	Qualifier	Bias	Validation Comments
SB-31 0-2 FT SB-33 0-2 FT SB-33 10-11 FT SB-35 0-2 FT SB-35 5-7 FT SB-36 0-2 FT SB-36 6-8 FT SB-37 0-2 FT SB-37 6-8 FT SB-38 0-2 FT SB-38 3-5 FT SB-39 0-2 FT SB-40 0-2 FT SB-40 6-8 FT	1,4-Dioxane	UJ	I	LCS/LCSD imprecision
SB-36 0-2 FT	1,1,2,2-Tetrachloroethane 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Isopropylbenzene	UJ	I	Low IS recovery
D-2 MW-8 12-14 FT MW-3 4-5 FT MW-3 6-8 FT MW-6 6-8 FT MW-7 12-14 FT	Tetrachloroethene	UJ	I	Initial Calibration outside criteria + Low Calibration verification
D-1 SB-34 0-2 FT	Chloromethane	UJ	L	Low calibration verification
D-1 MW-4 5-7 FT MW-4 8-10 FT SB-31 4-6 FT SB-32 0-2 FT SB-34 0-2 FT SB-34 3-5 FT SB-39 5-7 FT MW-3 4-5 FT MW-3 6-8 FT	102 VOC TICs	J or JN	I	Tentatively Identified Compound or TIC + presumptive evidence
D-1 MW-4 8-10 FT SB-31 0-2 FT SB-31 4-6 FT SB-33 0-2 FT SB-35 0-2 FT SB-35 5-7 FT SB-36 0-2 FT SB-36 6-8 FT SB-37 0-2 FT SB-38 0-2 FT SB-38 3-5 FT SB-39 0-2 FT SB-40 0-2 FT SB-40 6-8 FT MW-3 4-5 FT MW-3 6-8 FT	22 VOC Results	J	I	Result < QL

Table 11: RI Summary of Data Validation Actions- Soil Samples
The Huguenot Site

Sample ID	Analyte	Qualifier	Bias	Validation Comments
D-1 MW-4 5-7 FT MW-4 8-10 FT SB-34 3-5 FT	p-Isopropyltoluene N-Butylbenzene Sec-Butylbenzene			Compound included in Instrument Calibration
SB-31 4-6 FT SB-32 0-2 FT SB-39 5-7 FT	N-Butylbenzene Sec-Butylbenzene			Compound included in Instrument Calibration
MW-4 5-7 FT SB-34 3-5 FT SB-39 5-7 FT	T-Butylbenzene			Compound included in Instrument Calibration
SB-31 4-6 FT SB-32 0-2 FT SB-34 3-5 FT SB-39 5-7 FT	o-Isopropyltoluene			Compound included in Instrument Calibration
SB-39 5-7 FT	N-Propylbenzene o-Isopropyltoluene			Compound included in Instrument Calibration
SB-38 3-5 FT	Tetrahydrofuran			Compound included in Instrument Calibration
D-1 MW-4 5-7 FT	2-Methylnaphthalene	J	I	FD imprecision
D-2 MW-3 4-5 FT MW-6 6-8 FT MW-7 12-14 FT	4-Nitrophenol	UJ	I	LCS/LCSD imprecision
D-2 MW-3 4-5 FT MW-6 6-8 FT MW-7 12-14 FT	Pentachlorophenol	UJ	I	LCS/LCSD imprecision + QL uncertain
SB-31 0-2 FT SB-31 4-6 FT	2,4-Dinitrophenol	UJ	I	Low LCS/LCSD recoveries + LCS/LCSD imprecision + QL uncertain
D-1_20180423 MW-4 5-7 FT MW-4 8-10 FT SB-32 0-2 FT SB-33 0-2 FT SB-33 10-11 FT SB-34 0-2 FT SB-34 3-5 FT SB-35 0-2 FT SB-35 5-7 FT SB-36 0-2 FT SB-36 6-8 FT SB-37 0-2 FT SB-37 6-8 FT SB-38 0-2 FT SB-38 3-5 FT SB-39 0-2 FT SB-39 5-7 FT SB-40 0-2 FT	Hexachlorobenzene	UJ	I	Initial Calibration outside criteria + Low Calibration verification + QL uncertain
MW-3 6-8 FT	2,4-Dinitrophenol	UJ	I	MS/MSD imprecision
SB-40 6-8 FT	3,3'-Dichlorobenzidine	UJ	I	MS/MSD imprecision + QL uncertain
MW-3 6-8 FT	4,6-Dinitro-2-methylphenol	UJ	I	MS/MSD imprecision + QL uncertain

Table 11: RI Summary of Data Validation Actions- Soil Samples
The Huguenot Site

Sample ID	Analyte	Qualifier	Bias	Validation Comments
SB-31 0-2 FT SB-31 4-6 FT	Hexachlorobenzene	UJ	L	Initial Calibration outside criteria
All samples except: SB-31 0-2 FT SB-31 4-6 FT	2-Nitrophenol	UJ	L	Initial Calibration outside criteria + Low Calibration verification
SB-31 0-2 FT SB-31 4-6 FT	Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether	UJ	L	Initial Calibration outside criteria + Low Calibration verification
MW-8 12-14 FT	Hexachlorobenzene	UJ	L	Initial Calibration outside criteria + Low Calibration verification
D-2 MW-3 4-5 FT MW-3 6-8 FT MW-6 6-8 FT MW-7 12-14 FT	Hexachloroethane	UJ	L	Initial Calibration outside criteria + Low Calibration verification
All Samples	2-Nitroaniline	UJ	L	Low Calibration verification
D-2 MW-3 4-5 FT MW-3 6-8 FT MW-6 6-8 FT MW-7 12-14 FT	3&4-Methylphenol (m&p- cresol)	UJ	L	Low Calibration verification
MW-8 12-14 FT	Benzaldehyde	UJ	L	Low Calibration verification
SB-31 0-2 FT SB-31 4-6 FT	4,6-Dinitro-2-methylphenol	UJ	L	Low LCS/LCSD recoveries
All samples except: SB-40 6-8 FT MW-3 6-8 FT MW-8 12-14 FT	Benzaldehyde	UJ	L	Low LCS/LCSD recoveries
SB-39 0-2 FT	Dibenz(a,h)anthracene	J	I	QL uncertain + Result < QL
D-1_20180423 MW-4 5-7 FT MW-4 8-10 FT SB-32 0-2 FT SB-33 0-2 FT SB-33 10-11 FT SB-34 0-2 FT SB-34 3-5 FT SB-35 0-2 FT SB-35 5-7 FT SB-36 0-2 FT SB-36 6-8 FT SB-37 0-2 FT SB-37 6-8 FT SB-38 0-2 FT SB-38 3-5 FT SB-39 0-2 FT SB-39 5-7 FT SB-40 0-2 FT SB-40 6-8 FT	Pentachlorophenol	UJ	L	Low Calibration verification

Table 11: RI Summary of Data Validation Actions- Soil Samples
The Huguenot Site

Sample ID	Analyte	Qualifier	Bias	Validation Comments
All Samples	250 SVOC results	J or UJ	I	QL uncertain
D-1 MW-4 5-7 FT MW-4 8-10 FT SB-31 4-6 FT SB-32 0-2 FT SB-33 0-2 FT SB-34 0-2 FT SB-34 3-5 FT SB-39 0-2 FT SB-39 5-7 FT SB-40 0-2 FT MW-3 4-5 FT MW-3 6-8 FT	145 SVOC TICs	J or JN	I	Tentatively Identified Compound or TIC + presumptive evidence
MW-4 8-10 FT MW-8 12-14 FT SB-31 0-2 FT SB-31 4-6 FT SB-32 0-2 FT SB-33 0-2 FT SB-34 3-5 FT SB-37 0-2 FT SB-39 0-2 FT SB-40 0-2 FT	29 SVOC Results	J	I	Result < QL
SB-31 0-2 FT SB-31 4-6 FT	Endrin Ketone	UJ	I	LCS/LCSD imprecision
SB-39 0-2 FT	alpha-Chlordane gamma-Chlordane	J-	L	Dual Column imprecision
All samples except: MW-3 4-5 FT MW-3 6-8 FT MW-6 6-8 FT MW-7 12-14 FT D-2	gamma-BHC (Lindane)	UJ	I	QL uncertain
SB-34 0-2 FT	Aroclor-1254	J	I	Quantitation uncertain
SB-38 0-2 FT	Mercury	J+	H	High MS recovery
SB-33 10-11 FT	Sodium	J+	H	High MS recovery
D-1 MW-4 5-7 FT	Lead Manganese	J	I	FD imprecision
SB-34 3-5 FT	Mercury	J	I	Low CRDL recovery + Result < QL
MW-3 6-8 FT	Calcium Chromium, Total Manganese	J	I	MD imprecision
SB-33 10-11 FT	Potassium	J	I	MD imprecision

Table 11: RI Summary of Data Validation Actions- Soil Samples
The Huguenot Site

Sample ID	Analyte	Qualifier	Bias	Validation Comments
D-1 MW-4 5-7 FT MW-4 8-10 FT SB-31 0-2 FT SB-31 4-6 FT SB-33 10-11 FT SB-35 1-2 FT SB-35 5-7 FT SB-36 6-8 FT SB-37 6-8 FT SB-39 5-7 FT SB-40 6-8 FT MW-8 12-14 FT	Mercury	J- or UJ	L	Low CRDL recovery
SB-33 10-11 FT	Cobalt Nickel	J-	L	Serial dilution evidence of matrix suppression
D-1 MW-4 5-7 FT MW-4 8-10 FT SB-33 0-2 FT SB-33 10-11 FT SB-34 3-5 FT SB-35 5-7 FT SB-36 6-8 FT4 SB-39 0-2 FT SB-39 5-7 FT SB-37 0-2 FT	12 Metals Results	J	I	Result < QL

Qualifiers: U = analyte is non-detect at the sample-specific Quantitation or Reporting Limit (usable); UJ = non-detect is usable as an estimated value; J = result is usable as an estimated value with indeterminate bias; J- = result is usable as an estimated value with potential low bias; J+ = result is usable as an estimated value with potential high bias; N = TIC with presumptive evidence; R = result is rejected due to severe QC exceedance and unusable for project objectives.

Bias: L = Low; H = High; I = Indeterminate

Abbreviations used in Table 2:
CRDL = Contract Required Detection Limit standard
FD = Field Duplicate
IS = Internal Standard
LCS = Laboratory Control Sample
LCSD = LCS Duplicate
MD = Matrix Duplicate
MS = Matrix Spike
MSD = MS Duplicate
TIC = Tentatively Identified Compound
QL = Quantitation Limit

Table 12: Summary of Data Valication Actions- Groundwater Samples
The Huguenot Site

Sample ID	Analyte	Qualifie	Bias	Validation Comments
MW-3	3,3'-Dichlorobenzidine	R		Unusable: < 10% MS/MSD recoveries
MW-5	3&4-Methylphenol (m&p-cresol) 2,3,4,6-Tetrachlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2-Chlorophenol 2-Methylphenol 2-Nitrophenol 4,6-Dinitro-2-Methylphenol 4-Chloro-3-methylphenol 4-Nitrophenol Pentachlorophenol Phenol	R		Unusable: < 10% Surrogate recovery
MW-8	Acetone	J-	L	Initial Calibration outside criteria + Low Calibration verification
D-1 MW-1 MW-4 MW-5 MW-6 FB	Acetone	UJ	L	Initial Calibration outside criteria + Low Calibration verification
TB	Acetone	J	I	Initial Calibration outside criteria + Low Calibration verification + Result < QL
All samples except: MW-6	Methyl Ethyl Ketone (2-Butanone)	J- or UJ	L	Initial Calibration outside criteria
All samples except: MW-6	1,2-Dibromo-3-Chloropropane Bromomethane	UJ	I	Initial Calibration outside criteria + Low Calibration verification
MW-6	1,2-Dibromo-3-Chloropropane	UJ	I	Initial Calibration outside criteria + Low Calibration verification
MW-6	Bromoform	UJ	L	Initial Calibration outside criteria
MW-3	Acetone	UJ	L	Low MS/MSD recoveries + Initial Calibration outside criteria + Low Calibration verification
All Samples	1,2,3-Trichloropropane 1,2-Dibromoethane cis-1,3-Dichloropropene trans-1,3-Dichloropropene	UJ	I	QL uncertain
MW-1	Naphthalene	J	I	Result uncertain above the calibration e
All Samples except MW-6	2-Hexanone 4-Methyl-2-pentanone Bromoform Methyl Acetate	UJ	L	Initial Calibration outside criteria + Low Calibration verification
MW-6	2-Hexanone Acetone Methyl Ethyl Ketone (2-Butanone)	UJ	L	Initial Calibration outside criteria + Low Calibration verification
All Samples except MW-6	1,1,2,2-Tetrachloroethane	UJ	L	Low Calibration verification
MW-2 MW-7	Acetone	UJ	I	Negated at the level found due to Trip Blank Action + Initial Calibration outside criteria + Low Calibration verification
MW-3	Chloromethane	U		Negated at the QL due to Field Blank Action
MW-1 MW-2 MW-3 MW-4 MW-7 MW-8	All 35 VOC TICs	J or JN	I	Tentatively Identified Compound or TIC + presumptive evidence
All samples except: TB MW-6	16 VOC Results	J	I	Result < QL
All Samples	4-Chloroaniline	UJ	I	LCS/LCSD imprecision
MW-6	2-Nitroaniline 3,3'-Dichlorobenzidine	UJ	I	LCS/LCSD imprecision
MW-6	Atrazine Nitrobenzene Phenol	UJ	I	LCS/LCSD imprecision
MW-6	3-Nitroaniline	UJ	I	LCS/LCSD imprecision + QL uncertain

Table 12: Summary of Data Valication Actions- Groundwater Samples
The Huguenot Site

Sample ID	Analyte	Qualifie	Bias	Validation Comments
MW-3	2-Nitroaniline	UJ	I	Low MS recovery + MS/MSD imprecision
MW-3	Di-n-octylphthalate Benzo(b)fluoranthene Benzo(ghi)perylene Benzo(k)fluoranthene Dibenz(a,h)anthracene Indeno(1,2,3-cd)pyrene	UJ	I	MS/MSD imprecision
MW-3	4-Nitroaniline Hexachlorocyclopentadiene	UJ	L	Low MS/MSD recoveries
MW-3	Bis(2-ethylhexyl)phthalate	UJ	I	MS/MSD imprecision + Low Calibration verification
All samples except MW-5 MW-6	3-Nitroaniline Caprolactam 2,4-Dinitrophenol 4,6-Dinitro-2-Methylphenol	UJ	I	QL uncertain
MW-5	3-Nitroaniline Caprolactam	UJ	I	QL uncertain
MW-6	Caprolactam 2,4-Dinitrophenol 4,6-Dinitro-2-methylphenol	UJ	I	QL uncertain
All Samples except MW-5	2-Nitrophenol	UJ	I	LCS/LCSD imprecision + Initial Calibration outside criteria + Low Calibration verification
All Samples except MW-6	Hexachloroethane	UJ	L	Initial Calibration outside criteria
MW-6	Hexachloroethane	UJ	L	Initial Calibration outside criteria + Low Calibration verification
All samples except: MW-3 MW-6	Bis(2-ethylhexyl)phthalate	UJ	L	Low Calibration verification
All Samples	All 60 SVOC TICs	J or JN	I	Tentatively Identified Compound or TIC + presumptive evidence
MW-1 MW-3	3 SVOC Results	J	I	Result < QL
MW-1 MW-2 MW-7	Aldrin delta-BHC Endosulfan I Heptachlor	UJ	I	LCS/LCSD imprecision
D-1 MW-4 MW-5 FB	delta-BHC Endosulfan I Heptachlor	UJ	I	LCS/LCSD imprecision
MW-6	4,4' -DDD Heptachlor Epoxide gamma-Chlordane	UJ	I	LCS/LCSD imprecision
MW-8	Endrin Ketone	UJ	I	LCS/LCSD imprecision
D-1 MW-4 MW-5 FB	Aldrin	UJ	I	LCS/LCSD imprecision + QL uncertain
MW-3 MW-6 MW-8	Aldrin	UJ	I	QL uncertain
MW-3	4,4'-DDT	UJ	I	MS/MSD imprecision
MW-8	Aroclor-1248	J	I	Quantitation uncertain
D-1 MW-3 MW-5 MW-6 MW-8	Nickel	J+	H	High CRDL recovery
MW-1 MW-2 MW-4	Nickel	J	I	High CRDL recovery + Result < QL
MW-3	Aluminum	J+	H	High MS recovery
All Samples except: MW-5 MW-6	16 Metals Results	J	I	Result < QL

Table 12: Summary of Data Valication Actions- Groundwater Samples
The Huguenot Site

Sample ID	Analyte	Qualifie	Bias	Validation Comments
MW-3	Perfluoropentanoic acid (PFPeA) Perfluorohexanoic acid (PFHxA) Perfluorobutanoic acid (PFBA) Perfluorobutanesulfonic acid (PFBS) Perfluoroheptanoic acid (PFHpA)	J+	H	High MS/MSD recoveries
MW-3	Perfluorooctanesulfonamide (FOSA)	UJ	I	Low MS/MSD recoveries + MS/MSD imprecision
MW-3	Perfluorododecanoic acid (PFDoA) 6:2 Fluorotelomersulfonate (6:2 FTS)	UJ	I	MS/MSD imprecision
MW-1	All 21 PFAS compounds	J- or UJ	L	Low Surrogate recovery
D-1 MW-5	Perfluoropentanoic acid (PFPeA) Perfluorohexanoic acid (PFHxA) Perfluorobutanoic acid (PFBA) Perfluorobutanesulfonic acid (PFBS)	J	I	FD imprecision

Qualifiers : U = analyte is non-detect at the sample-specific Quantitation or Reporting Limit (usable); UJ = non-detect is usable as an estimated value; J = result is usable as an estimated value with indeterminate bias; J- = result is usable as an estimated value with potential low bias; J+ = result is usable as an estimated value with potential high bias; N = TIC with presumptive evidence; R = result is rejected due to severe QC exceedance and unusable for project objectives.

Bias : L = Low; H = High; I = Indeterminate

Abbreviations used in Table 2 :

CRDL = Contract Required Detection Limit standard LCS = Laboratory Control Sample

LCSD = LCS Duplicate MS = Matrix Spike MSD = MS Duplicate

TIC = Tentatively Identified Compound QL = Quantitation Limit

Table 13: Summary of Data Validation Actions- Air Samples
The Huguenot Site

Sample ID	Analyte	Qualifie	Bias	Validation Comments
All Samples	Acrylonitrile	UJ	L	Low LCS recovery + Low Calibration verification
All Samples	Trichlorotrifluoroethane	J+	H	High Calibration verification
All Samples	1,1,1,2-Tetrachloroethane	UJ	I	QL uncertain
SG-3	Ethanol	J	I	Result uncertain above the calibration range

Qualifiers : U = analyte is non-detect at the sample-specific Quantitation or Reporting Limit (usable); UJ = non-detect is usable as an estimated value; J = result is usable as an estimated value with indeterminate bias; J- = result is usable as an estimated value with potential low bias; J+ = result is usable as an estimated value with potential high bias; N = TIC with presumptive evidence; R = result is rejected due to severe QC exceedance and unusable for project objectives.

Bias : L = Low; H = High; I = Indeterminate

Abbreviations used in Table 2 :
LCS = Laboratory Control Sample QL = Quantitation Limit

APPENDIX A

Proposed Building Plan

APPENDIX B

RI Photo Log

APPENDIX C

Field Sampling Logs and Well Construction Details

APPENDIX D

Laboratory Analytical Data Reports

APPENDIX E

Data Usability Summary Report (DUSR)

APPENDIX F

Electronic Data Deliverables (EDDs)

APPENDIX G

Community Air Monitoring Data