



Remedial Investigation Report (RIR)

4125-4149 Laconia Avenue
Bronx, New York
Site No. C203124

May 26, 2021

Prepared for:

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List of Acronyms

µg/L	Micrograms per Liter
µg/m ³	Micrograms per Cubic Meter
AOCs	Areas of Concern
AWQSGVs	Ambient Water Quality Standards and Guidance Values
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CFM	Cubic Feet Per Meter
CUSCOs	Commercial Use Soil Cleanup Objectives
CVOCs	Chlorinated Volatile Organic Compounds
DER-10	NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation
DPE	Dual Phase Extraction
DUSR	Data Usability Summary Report
ELAP	Environmental Laboratory Approval Program
FSP	Field Sampling Plan
FT BLS	Feet Below Land Surface
HASP	Health and Safety Plan
mg/kg	Milligrams per Kilogram
MW	Monitoring Well
ng/L	Nanograms per Liter
NAVD88	North American Vertical Datum of 1988
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
ORP	Oxidation – Reduction Potential
PCBs	Polychlorinated Biphenyls
PFAS	Per-and Polyfluoroalkyl Substances
PGWSCOs	Protection of Groundwater Soil Cleanup Objectives
PID	Photoionization Detector

PPE	Personal Protective Equipment
PVC	Polyvinyl Chloride
QAPP	Quality Assurance Project Plan
QEA.....	Qualitative Exposure Assessment
RAWP	Remedial Action Work Plan
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
SSDS	Sub-Slab Depressurization System
SVE	Soil Vapor Extraction
TAL	Target Analyte List
TCL	Target Compound List
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UUSCOs.....	Unrestricted Use Soil Cleanup Objectives
UST	Underground Storage Tank

1. Introduction

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of Laconia Properties LLC (Laconia LLC), has prepared this revised Remedial Investigation Report (RIR) for the property located at 4125-4149 Laconia Avenue, Bronx, New York (Figure 1) (Site). Based on the New York State Department of Environmental Conservation (NYSDEC) draft February 25, 2021 RIR comment letter dated March 31, 2021 (comment letter), this revised RIR includes the results of additional soil vapor and ambient air sampling requested by the NYSDEC and New York State Department of Health (NYSDOH) in the March 31, 2021 comment letter. The Site is located in the Wakefield section of the Bronx and is comprised of Block 4877, Lot 1. The Site contains two attached one-story buildings and an asphalt paved parking lot. The footprint of the building is approximately 14,800 square feet, rectangular in shape, and contains eight tenant spaces on the first floor and a full (partitioned) basement. The Site Plan is provided as Figure 2. Previous investigations completed at the Site by Roux and others have identified chlorinated volatile organic compounds (CVOCs) impacted soil, groundwater, soil vapor and indoor air as a result of the historical operations of dry cleaners at the Site. The Site is being investigated and remediated under the NYSDEC Brownfield Cleanup Program (BCP), Site No. C203124. There is currently no anticipated redevelopment plan for the Site.

Laconia LLC applied to the NYSDEC BCP in December 2019 and was accepted into the program as a Participant on March 11, 2020. The Brownfield Cleanup Agreement (BCA) was fully executed on April 20, 2020 and Site No. C203124 was assigned to the Site. An Interim Remedial Measure (IRM) and Soil Vapor Intrusion (SVI) Investigation Work Plan was submitted to the NYSDEC in conjunction with the BCP Application in December 2019. The IRM/SVI Work Plan included mitigative measures to address known CVOC impacts to indoor air and sub-slab soil vapor at the Site from the operation of former dry cleaners at the Site. Based on the NYSDEC comment letter dated May 20, 2020, a revised IRM Work Plan was submitted to the NYSDEC on June 26, 2020, which was approved by the NYSDEC on July 10, 2020. Roux implemented portions of the IRM Work Plan from March 2020 through July 2020.

Roux submitted a draft Remedial Investigation Work Plan (RIWP) to the NYSDEC on June 3, 2020. Based on NYSDEC comment letter dated July 23, 2020, Roux submitted a revised RIWP on August 7, 2020, which was approved by the NYSDEC on August 27, 2020. Roux submitted the draft RIR to the NYSDEC on February 25, 2021. Based on the NYSDEC draft RIR comment letter dated March 31, 2021, Roux submitted a Response Letter/Sampling Plan on April 14, 2021, which was approved by the NYSDEC on April 20, 2021 and included the installation and sampling of two additional off-Site soil vapor monitoring points and one ambient air sample for laboratory analysis. All Remedial Investigation (RI) activities were completed in general accordance with NYSDEC-approved RIWP dated August 7, 2020 and Response Letter/Sampling Plan dated April 14, 2021.

The purpose of the RI is to determine the nature and extent of contamination at the Site, characterize environmental media at the Site, qualitatively assess the potential exposure of receptors to Site contaminants, and develop any other additional data necessary to support the development of a Remedial Action Work Plan (RAWP). This RIR was prepared in accordance with the DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010 (DER-10) issued by NYSDEC.

1.1 RIR Organization

In addition to this introduction section, this RIR contains the following sections:

- Section 2 – Describing the Site history, and results of previous environmental investigations, including findings from Roux’s SVI Investigation and Soil Vapor Intrusion Investigation (March 2020) and SSDS Pilot Test (July 2020);
- Section 3 – Describing the completed RI field work activities;
- Section 4 – Summarizing the RI subsurface geology/hydrogeology and laboratory analytical results;
- Section 5 – Conceptual Site Model explaining the occurrence of contaminant sources and their fate and transport at the Site in the context of the local Site geology and hydrogeology;
- Section 6 – Qualitative Exposure Assessment that evaluates exposures to contaminated media including soil, groundwater, and soil vapor; and
- Section 7 – Describing the RI findings and conclusions.

Data tables, figures, plates, and appendices are provided that summarize all RI locations, analytical data, and results of the sampling efforts.

1.2 Site Description and Setting

The Site is currently occupied by various professional businesses, retail stores, and a restaurant. The former dry cleaners tenant space is currently occupied by Edenwald Pharmacy Inc. The current zoning for the Site is C1-4, which allows for commercial overlays mapped within residential districts that serve local retail needs. The nearest residential properties are located immediately west of the Site and across E 230th Street to the north. The surrounding land uses include single- and multi-family housing; public facilities and institutions (47th Precinct); parking facility (47th Precinct); and commercial and office buildings. There is currently no anticipated redevelopment plan for the Site.

Property Location	
Property Name:	4125-4149 Laconia Avenue
Property Description:	The property consists of two attached one-story buildings and a paved parking lot situated on one tax Lot (Lot 1). The on-Site buildings are currently occupied by various professional businesses, retail stores, and a restaurant. The property is bordered by E 231 st Street to the north, E 230 th Street to the south, Laconia Avenue to the east and residential properties to the west.
Property Address:	4125-4149 Laconia Avenue
Property Town, County, State:	Bronx County, New York
Property Tax Identification:	Block 4877 Lot 1
Property Topographic Quadrangle:	USGS Mount Vernon Quadrangle, New York (2016)
Nearest Intersection:	E 230 th Street and Laconia Avenue
Area Description:	The area surrounding the Site is used mainly for residential purposes. Surrounding properties to the north and west are all residential properties. To the south of the Site, is the 47 th Precinct and to the east of the Site is a parking lot.

Property Information	
Property Acreage:	0.74 acres (total)
Property Shape:	L-shape
Property Use:	The property is currently occupied by various professional businesses, retail stores, and a restaurant.
Number of Buildings:	Two (attached)
Number of Stories:	Two one-story buildings
Date of Construction:	c. 1958
Basement/ Slab-on-Grade:	Basement
Number of Units:	Eight
Other Improvements:	Paved parking area
Property Coverage:	Entire Site footprint is covered by buildings and associated parking area

1.2.1 Topography

The Site location is shown on Figure 1. The surface elevations throughout the exterior of the Site, based on survey data collected during the RI, range from approximately 101 feet to 106 feet relative to North American Vertical Datum of 1988 (ft NAVD88). The surface elevations throughout the interior buildings (basements) range from approximately 91 ft to 92.5 ft NAVD88. Topography across the Site slopes to the east.

1.2.2 Surface Water Bodies and Wetland Areas

The nearest surface water body is the Bronx River, which is approximately 4,800 feet west of the Site. The East Hutchinson River is located approximately one and half miles west of the Site.

1.2.3 Soil

During previous investigations completed at the Site by Roux and others and the RI, subsurface soils at the Site consist of a fill layer (primarily brown, fine to coarse sand with varying amounts of silt, gravel, cobble, brick and concrete fragments) underlain by primarily brown, fine to medium sand with varying amounts of silt, gravel, cobble, and decomposed bedrock, which is underlain by competent bedrock. Subsurface soils from off-Site locations RMW-8 and RMW-10, located to the north and northeast of the Site, were predominately finer grained, compared to on-Site soil, and consist of fine to medium silty sand with varying amounts of clay, gravel, and decomposed bedrock, which is underlain by bedrock. A lens of silt/clay with sand was observed from approximately 7 to 10 feet below land surface (ft bls) at off-Site soil boring RMW-8 (located on E 231st Street sidewalk) completed during the RI. This silt/clay lens was not observed in any other location completed during the RI.

1.2.4 Underlying Formation

According to the United States Geological Service (USGS), the bedrock geology at the Site and in the immediate vicinity consists of Cambrian-Ordovician age Hartland Schist. Based on investigations completed at the Site by Roux and Merritt bedrock appears to dip in a easterly direction beneath the Site and ranges from approximately five ft bls (approximately 101 ft NAVD88) in the westernmost area of the Site parking lot (RSB-8) to approximately two feet below the Site building basement concrete slab (approximately 89 ft NAVD88). As shown on Plate 1, bedrock beneath the Site building is relatively flat and at a lower elevation

than bedrock located immediately outside of the building, which is attributed to bedrock removal during building construction. Bedrock at off-Site locations was encountered at approximately nine ft bls (approximately 91 ft NAVD88) beneath the Laconia Avenue sidewalk (MW-2, Merritt 2019) to approximately 22.5 ft bls (approximately 77 ft NAVD88) beneath the sidewalk located on the eastern side of Laconia Avenue (RMW-10).

1.2.5 Groundwater

During investigations completed at the Site by Roux and Merritt, groundwater beneath the building was observed above bedrock, at depths ranging from approximately one to three feet below the building's basement concrete slab. During this RI, groundwater was observed above bedrock at depths ranging from approximately nine ft bls to 10 ft bls for outdoor off-Site locations (beneath Laconia Avenue, E230th Street and E231st Street sidewalks). Additionally, during the RI, groundwater was not observed above bedrock at locations completed within the Site parking lot (western portion of the Site). However, groundwater was encountered in bedrock at depths ranging between approximately 14 ft bls to 22 ft bls. Based on groundwater level data collected during the RI, groundwater (overburden) flow was measured in an easterly direction, which appears to mimic land surface and bedrock surface topography.

Groundwater is not used as a source of potable water for the Site or surrounding area.

1.3 Description of Surrounding Property

The nearest residential properties are located immediately west of the Site and across E 230th Street to the north. The surrounding land uses include single- and multi-family housing; public facilities and institutions (47th Precinct); parking facilities (47th Precinct); and commercial and office buildings.

1.4 Certification

I, Jeff Wills, certify that I am currently a Qualified Environmental Professional 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-10.

Jeff Wills, P.G.

Qualified Environmental Professional

May 26, 2021

Date



Signature

2. Background

This section provides pertinent background information, including the history of the Site, and the results of previous environmental investigation work conducted at the Site.

2.1 Site History

Based on Environmental Data Resources (EDR) Radius Map Report, EDR-City Directory Abstract and historical Sanborn maps, the Site was developed with the existing building and parking lot in 1958. Past uses that appear to have led to Site contamination include dry cleaner operations, which used tetrachloroethene (PCE). Four dry cleaners (collectively referred to as the former dry cleaners) operated at the Site in the tenant space identified as 4137 Laconia Avenue, including Jiffy One Hour Cleaners (operated at the Site from approximately 1971 to 1976); Jiffy Quality Cleaners (operated at the Site in 1983); Laconia Cleaners (operated at the Site from approximately 1985 to 2010); and New Laconia Cleaners operated at the Site in 2000.

2.2 Environmental Conditions/ Results of Previous Environmental Investigations

This section provides an overview of previous environmental-related activities completed at the Site and 47th Precinct (off-Site) property that is affecting environmental media beneath the Site. The records reviewed include the following:

- Contaminant Delineation Investigation Report prepared by Merritt Environmental Consulting Corp. (Merritt), dated January 2019;
- Groundwater Monitoring Report for the First Quarter 2019 prepared by URS, dated April 15, 2019 (off-Site property);
- Interim Remedial Measure/Soil Vapor Intrusion Investigation (IRM/SVI) Work Plan prepared by Roux, dated December 13, 2019 and revised dated June 26, 2020;
- Soil Vapor Intrusion Investigation Summary Report prepared by Roux, dated April 28, 2020; and
- Sub-Slab Depressurization System (SSDS) Pilot Test Summary Report, dated August 17, 2020.

A summary of findings from each report, including the Site environmental history is provided below. Subsections for the evaluation of soil, groundwater and soil vapor conditions are provided for each report, as applicable.

2.2.1 Contaminant Delineation Investigation Report Prepared by Merritt Environmental Consulting Corp. (Merritt), Dated January 2019

The Contaminant Delineation Investigation (CDI) Report prepared by Merritt summarized previous investigation activities performed at the Site in January 2018 (limited subsurface investigation) and December 2018/ January 2019 (CDI) by Merritt including sampling results for soil, groundwater, soil vapor, and indoor air.

2.2.1.1 Merritt January 2018 Limited Investigation

Merritt completed a limited subsurface investigation at the Site in January 2018, which included the installation of four soil borings (B1 through B4) by hand, a collection of four soil samples from three of the four soil borings, and one groundwater sample in the basement of the former dry cleaner tenant space. The approximate locations of Merritt's soil borings are shown on Figure 2. All samples were analyzed for VOCs using United States Environmental Protection Agency (USEPA) Method 8260. Soil results were compared

to the NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCO). Groundwater results were compared to NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs) listed in the NYSDEC Technical and Operational Guidance Series 1.1.1.

Merritt January 2018 Soil Conditions

One VOC (PCE) was detected in one soil sample collected as part of the Merritt limited subsurface investigation at a concentration exceeding UUSCO:

- PCE was detected at a concentration of 25 milligrams per kilogram (mg/kg) in sample B1_1' compared to 1.3 mg/kg (UUSCO). PCE was either not detected or detected at concentrations below UUSCO in all other soil samples.

Merritt January 2018 Groundwater Conditions

Three VOCs (PCE, trichloroethene [TCE] and cis-1,2-Dichloroethene [DCE]) were detected in groundwater at concentrations exceeding AWQSGVs:

- PCE was detected at a concentration of 3,500 micrograms per liter (µg/L) in sample B3GW compared to 5 µg/L (AWQSGV);
- TCE was detected at a concentration of 450 µg/L in sample B3GW compared to 5 µg/L (AWQSGV); and
- DCE was detected at a concentration of 56 µg/L in sample B3GW compared to 5 µg/L (AWQSGV).

2.2.1.2 Merritt December 2018 CDI

Merritt completed a CDI on December 4 and 6, 2018, and January 6, 2019, which supplemented the previous January 2018 limited subsurface investigation completed by Merritt at the Site. The CDI included the following field activities:

- Installation of two exterior soil borings (B1 located on Laconia Avenue sidewalk, adjacent to the former dry cleaner tenant space and B2 located adjacent to a stormwater grate in the Site parking lot) and collection of two soil samples
- Installation and sampling (groundwater only) of three monitoring wells (MW-1 through MW-3) located off-Site on Laconia Avenue sidewalk (adjacent to the Site building);
- Collection of a groundwater sample from existing off-Site monitoring well (MW-4) located in the eastern Laconia Avenue sidewalk (installed by others);
- Collection of a water sample from a sump located in Associated Grocery basement; and
- Collection of two on-Site sub-slab soil vapor samples, four indoor air samples (two collected in the basement level and two collected in the first-floor level of the on-Site building) and one outdoor ambient sample.

Merritt sample locations are shown on Figure 2. Soil borings (B1 and B2) were advanced to the top of bedrock using the direct-push drilling method. Two soil samples were collected at nine ft bls from soil borings B1 and B2. Monitoring wells (MW-1, MW-2 and MW-3) were advanced approximately five feet into bedrock using the mud rotary drilling method. No soil samples were collected from MW-1 through MW-3. Bedrock was encountered at approximated nine feet beneath Laconia Avenue sidewalk (B1 – adjacent to the former dry cleaner tenant space) and in the Site parking lot (B2). Soil sample results were compared to the NYSDEC UUSCOs and Supplemental SCOs listed in NYSDEC Policy CP-51 dated October 21, 2010 (CP-51).

A total of four groundwater samples and one sump water sample (located in the Associated Grocery basement) were collected during investigation activities. Groundwater sample results were compared to the

NYSDEC AWQSGVs. In addition, groundwater level measurements were collected from the newly installed off-Site monitoring wells as well as existing off-Site monitoring wells MW-4, MW-5 and MW-6. According to Merritt, these existing wells were installed by others and are related to off-Site spill investigations for the adjacent 47th Precinct property. Depth to groundwater, immediately east and south of the Site, ranged from 9.45 ft bls (MW-1) to 11.28 ft bls (MW-4). Depth to groundwater was observed within three feet below the basement floor of the Site building. Groundwater samples were not collected from MW-5 and MW-6, located on E 230th Street sidewalk, due to presence of petroleum-like odors.

Merritt identified a total of six (6) four-inch diameter monitoring wells, including what Merritt labeled as MW-5 and MW-6, located in the sidewalk along E 230th Street, immediately south of the Site building. These monitoring wells were identified as part of a groundwater quality investigation and remediation project for leaking underground storage tanks (USTs) associated with the 47th Precinct, located south of the Site, across E 230th Street. This adjacent petroleum contaminated property is located hydraulically upgradient of the Site.

Sub-slab soil vapor implants were installed approximately 2-inches below the former dry cleaner (SV-1) and Associated Grocery (SV-2) basement concrete slabs using a hammer drill. During installation, volatile organic vapors were measured in both sub-slab soil vapor locations using a photoionization detector (PID). Sub-slab soil vapor samples SV-1 and SV-2 were co-located with indoor air sample IA-1 and IA-2, respectively. Indoor air samples, IA-3 and IA-4 were collected on the first floor of the Associated Grocery and former Margarita's Salon, respectively. Sub-slab soil vapor and indoor air sample results were compared to CVOC standards (Air Guidance Values and Matrices) included in the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 (including May 2017 updated matrices).

Merritt December 2018/January 2019 Soil Conditions

There were no VOCs detected in soil exceeding UUSCOs/CP-51.

Merritt December 2018/January 2019 Groundwater Conditions

A total of four VOCs (acetone, DCE, PCE and TCE) were detected in groundwater at concentrations exceeding the NYSDEC AWQSGVs:

- Acetone was detected at a concentration of 370 µg/L (MW-1) and 55 µg/L (SUMP) compared to 50 µg/L (AWQSGV). Acetone was not detected in MW-4;
- DCE was detected at concentrations of 220 µg/L (MW-2) and 19 µg/L (MW-3) compared to 5 µg/L (AWQSGVs). DCE was not detected in MW-4;
- PCE was detected at concentrations of 7.8 µg/L (SUMP), 30 µg/L (MW-1), 2,400 µg/L (MW-2) and 1,300 µg/L (MW-3) compared to 5 µg/L (AWQSGVs). PCE was not detected in MW-4; and
- TCE was detected at concentrations of 7.7 µg/L (MW-1), 450 µg/L (MW-2), and 74 µg/L (MW-3) compared to 5 µg/L (AWQSGVs). TCE was not detected in MW-4.

Merritt December 2018/January 2019 Soil Vapor/Air Conditions

Based on PID field screening results, organic vapors were measured at concentrations of 25 parts per million (ppm) in SV-1 and 17 ppm in SV-2. Based on sample data results, several petroleum-related VOCs (i.e., benzene, toluene, ethylbenzene and xylenes [BTEX]) and CVOCs (i.e., PCE, TCE, DCE, and vinyl chloride) were detected in soil vapor and/or indoor air samples collected at the Site. BTEX was detected in sub-slab soil vapor at a concentration of 59.62 micrograms per cubic meter (µg/m³) in sample SV-1 (located in the former dry cleaners basement) and 53.83 µg/m³ in sample SV-2 (located in the basement of Associated

Grocery). BTEX was detected in indoor air at concentrations ranging from 25.19 µg/m³ in sample IA-3 (located on the first floor of Associated Grocery) to 43.61 µg/m³ in sample IA-1 (located in the basement of the former dry cleaners). The petroleum-related compounds detected in soil vapor/air were attributed to petroleum spills associated with the 47th Precinct immediately south (upgradient) of the Site, across E 230th Street.

Concentrations of CVOCs detected in sub-slab soil vapor and indoor air samples included in the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 (including May 2017 updated matrices) are shown below:

Sub-Slab Soil Vapor

- PCE was detected at a concentration of 303,199 µg/m³ (SV-1) and 28,480 µg/m³ (SV-2);
- TCE was detected at a concentration of 5,911 µg/m³ (SV-1) and 3,385 µg/m³ (SV-2);
- DCE was detected at a concentration of 594 µg/m³ (SV-1) and 515 µg/m³ (SV-2);
- 1,1-Dichloroethene was detected at a concentration of 6.74 µg/m³ (SV-2); and
- Vinyl chloride was detected at a concentration of 9.46 µg/m³ (SV-2).

Indoor Air

- PCE was detected at concentrations ranging from 9.49 µg/m³ (IA-3) to 46.8 µg/m³ (IA-2);
- TCE was detected at concentrations ranging from 1.56 µg/m³ (IA-3) to 8.06 µg/m³ (IA-2);
- DCE was detected at concentrations ranging from not detected (IA-3) to 2.93 µg/m³ (IA-2);
- Carbon Tetrachloride was detected at concentrations ranging from 0.44 µg/m³ (IA-4) to 0.57 µg/m³ (IA-2); and
- Methylene Chloride was detected at concentrations ranging from 5.91 µg/m³ (IA-3) to 18.1 µg/m³ (IA-4).

Based on a comparison of these concentrations to the PCE, TCE and DCE sub-slab soil vapor and indoor air levels in the NYSDOH May 2017 updated matrices, the NYSDOH recommends mitigation to minimize exposures associated with soil vapor intrusion. The CVOCs detected in soil vapor/air were attributed to the operation of the former dry cleaners at the Site.

2.2.2 Groundwater Monitoring Report for the First Quarter 2019 Prepared by URS, Dated April 15, 2019 (Off-Site Property)

Based on the April 15, 2019 Groundwater Monitoring Report prepared by URS, soil, groundwater, and soil vapor have been impacted by petroleum spill(s) associated with the former gasoline dispensing facilities that were located at the northwest corner of the 47th Precinct, south of the Site. Spill number 9407396 was assigned to the 47th Precinct following a tank failure in 1994, which remains open. In March 1995, four (4) 550-gallon gasoline USTs and the remote fill port were filled with a concrete slurry and closed in place. The gasoline dispenser was removed.

Between 1995 and 1998, TRC Environmental (TRC) performed an environmental investigation at the 47th Precinct, which included the collection of soil and groundwater samples. Based on an Investigation Summary and Remedial Plan prepared by TRC in 1997, TRC recommend the installation and operation of a dual phase extraction (DPE) system with free-product recovery as an IRM, which was approved by the NYSDEC in January 1998. In May 2000, URS implemented the IRM to collect free-product at the property. URS recommended the implementation of a soil vapor extraction (SVE) and *in situ* oxygen distribution systems

in place of the DPE, which was approved by the NYSDEC in June 2001. From 2003 through 2019, several remediation technologies have been approved by the NYSDEC and implemented at the 47th Precinct property including: operation of the SVE and *in situ* oxygen distribution system; installation of seven injection wells (IW-01 through IW-07), four monitoring wells (MW-01, MW-02, MW-05 and GEW-01/MW-06), used as injection wells, and multiple temporary injection points for numerous injections of PermeOx Plus, RegenOx, PlumeStop and/or ORC Advanced; and installation of ORC socks and petroleum absorbent socks in injection wells and monitoring wells. The SVE system began operation in 2003 until it was decommissioned and removed from the property by Environmental Assessment and Remediations (EAR) in April 2016. Quarterly groundwater monitoring has been conducted at the property since approximately 2000. During quarterly monitoring events, petroleum-related VOCs (i.e., BTEX) have been detected in groundwater at the property and off-site at concentrations exceeding the NYSDEC AWQSGVs.

Additionally, free-product has been detected in monitoring/injections wells IW-06, IW-07 and MW-09 located on the north side of E 230th Street sidewalk, immediately south of and adjacent to the Site. URS implemented a product recovery system in 2007. From January 2007 through January 2019, URS recovered approximately 7.35 gallons of free-product from IW-06, 8.25 gallons from IW-07 and 5 gallons from MW-09. On March 4 and 5, 2014, URS replaced IW-06, IW-07, and MW-09 (2-inch diameter wells) with 4-inch diameter monitoring wells (IW-06R, IW-07R and MW-09R). During a January 28, 2019 monitoring event, free-product was detected in wells IW-06R and IW-07R at a thickness of 0.01 feet. Groundwater samples were not collected from these wells during this monitoring event due to the presence of measurable free-product.

Depth to water at the property has been measured at depths ranging from nine to 13 ft bls. The predominant groundwater flow direction at the property was reported to be to the east.

The petroleum-related compounds detected in environmental media at the Site (4125-4149 Laconia Avenue) are attributed to petroleum spills associated with the 47th Precinct (NYSDEC spill number 9407396).

2.2.3 Interim Remedial Measure/Soil Vapor Intrusion Investigation (IRM/SVI) Work Plan Prepared by Roux, Dated December 13, 2019/Revised June 26, 2020

On December 13, 2019, per NYSDEC's request, Roux, on behalf of Laconia LLC, submitted an IRM/SVI Work Plan along with the BCP Application, which included design plans for the installation of a sub-slab depressurization system (SSDS) to mitigate previously detected CVOC impacts to sub-slab soil vapor and indoor air at the Site. The IRM/SVI Work Plan also included an SVI investigation. The NYSDEC approved completing the SVI investigation portion of the IRM/SVI Work Plan in order to collect sub-slab soil vapor and indoor air samples during the 2019/2020 heating season. The NYSDEC provided comments to the IRM/SVI Work Plan on May 20, 2020. A revised IRM Work Plan was submitted the NYSDEC on June 26, 2020, which included a SSDS pilot test, per NYSDEC's request. The revised IRM Work Plan was approved by the NYSDEC on July 10, 2020. A description of the SVI investigation/SSDS pilot test and results are provided in section 2.2.4 and 2.2.5, respectively, of this RIR.

Roux October 2019 Soil Vapor/ Air Sampling/ Test Pit

The IRM/SVI Work Plan also included a description of soil vapor/ air sampling and test pitting activities completed at the Site by Roux in October 2019. The October 2019 sampling and test pitting event was completed to gather necessary data/information to develop the IRM/SVI Work Plan for the mitigation of CVOC (specifically PCE and TCE) impacts to sub-slab soil vapor and indoor air that were detected during previous investigations completed at the Site by Merritt.

On October 7 and 8, 2019, Roux installed sampling points and collected the following samples: six (6) sub-slab soil vapor samples (RSS-1 through RSS-6); five (5) indoor air samples (RIA-1 through RIA-5); one duplicate indoor air sample (RIA-2 DUP); and one outdoor ambient air sample (AA-1). At each sub-slab vapor location, a Cox-Colvin Vapor Pin® (vapor pin) was installed within the concrete basement slab (concrete slab) using a hammer drill. Following vapor pin installations, a tracer gas (e.g., helium) test was conducted at each location to verify ambient air was not inadvertently being drawn into the sample during sample collection. Following tracer gas verification and an approximate 24-hour equilibration period, sub-slab vapor and air samples were collected in accordance with the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 (including May 2017 updated matrices). Samples were collected at each sub-slab vapor and air location over an 8-hour period using laboratory-supplied Summa canisters and calibrated flow controllers.

All sub-slab vapor, indoor air and ambient outdoor air samples, including quality assurance/quality control sample (duplicate indoor air sample), were sent to Alpha Analytical of Westborough, Massachusetts, which is a NYSDOH Environmental Laboratory Approval Program-certified laboratory, under chain of custody procedures, and analyzed for VOCs using USEPA Method TO-15.

Additionally, on October 7, 2019, five (5) approximately one-foot diameter test pits (TP-1 through TP-5) were installed in the building basement throughout the Site to confirm the depth to water and/or bedrock beneath the building concrete slab. Upon completion of test pitting activities, each location was backfilled with new concrete.

Roux October 2019 Investigation Subsurface and Soil Vapor/Air Conditions

- Groundwater was observed at depths ranging from approximately seven inches below the basement slab (TP-5 located in Associated Grocery basement) to approximately three ft below the basement slab (TP-2 located in the Barber Factory basement);
- Competent bedrock was observed at depths ranging from approximately 1.5 feet below the basement slab (TP-3A located in the former Margarita's basement) to approximately three feet below the basement slab (TP-1 located in the Grocery and Deli basement);
- Elevated PID readings were detected in soil screened during test pitting activities at concentrations ranging from approximately 24 ppm (TP-1) to 8,000 ppm (TP-3B) and in sub-slab soil vapor sample points at concentrations ranging from approximately two ppm (RSS-5) to 1,000 ppm (RSS-1); and
- Several CVOC and petroleum-related VOCs were detected in sub-slab soil vapor and indoor air throughout the footprint of the existing building. Specifically, PCE and TCE were detected in sub-slab and/or indoor air at concentrations exceeding the NYSDOH 2017 Matrices listed in the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 (including May 2017 updated matrices) for mitigation as shown in Table 1A in Section 2.2.4. The petroleum-related VOCs, such as benzene and 2,2,4-Trimethylpentane are attributed to the documented petroleum spill (Spill Number 9407396) at the 47th Precinct located immediately south of the Site, across E 320th Street.

Based on a comparison of the PCE and TCE concentrations detected in sub-slab soil vapor and indoor air samples at the Site to the NYSDOH 2017 Matrices, Roux concluded that the majority of the building footprint required mitigation, which would be addressed by the proposed SSDS.

Based on the results of the October 2019 investigation, Roux designed an active SSDS to be installed beneath portions of the Site building's basement concrete slab which was provided in the IRM/SVI Work Plan. The SSDS is discussed in Section 2.2.4.

2.2.4 Roux March 2020 SVI Investigation and Soil Vapor Intrusion Investigation Summary Report Prepared by Roux, Dated April 28, 2020

In accordance with the IRM/SVI Work Plan and in consultation with the NYSDEC/NYSDOH, Roux completed the SVI investigation on March 20 and March 23, 2020. This SVI investigation supplemented the previous soil vapor/air sampling activities completed at the Site by Merritt in December 2018 and Roux in October 2019. Soil vapor, sub-slab soil vapor and air sample results for the samples collected by Roux and Merritt are shown on Plate 2.

The SVI investigation included the collection of sub-slab soil vapor samples from all existing sub-slab soil vapor monitoring points (RSS-1 through RSS-6) previously installed by Roux, collection of co-located indoor air samples adjacent to each existing sub-slab monitoring point (with the exception of RSS-4) and collection of outdoor ambient air during the 2019-2020 heating season. A co-located indoor air sample was not collected adjacent to RSS-4 due to a malfunctioning flow controller. The original sub-slab soil vapor point, RSS-2 and co-located indoor air sample, RIA-2, could not be accessed due to COVID-19 closure of the Mandarin House. At NYSDEC's request, a new RSS-2 sub-slab soil vapor point was installed and sampled in the Barber Factory basement, along with co-located indoor air sample, RIA-2. Additionally, in compliance with NYSDEC and the NYSDOH requirements, the SVI investigation included the installation and sampling of soil vapor monitoring points (SV-1 through SV-3) adjacent to and on residential properties immediately west of the Site property boundary. Soil vapor points (SV-1 through SV-3) were installed at depths ranging from approximately six feet to eight feet ft bls, based on the depth of bedrock. The March 2020 sample results as well as the Merritt 2018 and Roux 2019 sample results were compared to the Matrices provided in the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 (including May 2017 updated matrices).

Soil Vapor/Air Conditions

Based on the SVI investigation results, petroleum-related compounds (i.e., isooctane and/or BTEX) and CVOCs (i.e., PCE, TCE, DCE and/or methylene chloride) were detected in sub-slab and indoor air samples. Specifically, PCE and TCE were detected in sub-slab and/or indoor air at concentrations exceeding the NYSDOH 2017 Matrices listed in the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 (including May 2017 updated matrices) for mitigation as shown below and on Plate 2. The CVOCs are associated with the operations of the former dry cleaners at the Site. Sample RSS-1, located in the Grocery and Deli basement, had the highest concentrations of petroleum-related compounds, which the laboratory analyzed at a high dilution (dilution factor of 757.6) to compensate for these elevated petroleum detections. This dilution factor increased the reporting limits for all compounds in this sample. RSS-1 sample location is adjacent to E 230th Street sidewalk, which contains groundwater monitoring wells installed by others and associated with documented petroleum spills (NYSDEC spill number 9407396) on the 47th Precinct (located across E 230th Street). The petroleum-related compounds detected in soil vapor and indoor air throughout the Site are attributed to petroleum spills associated with the 47th Precinct. Additionally, petroleum-related compounds were detected in SV-1 (in the Site parking lot) and each offsite soil vapor sample (SV-2 and SV-3); however, CVOCs were not detected above laboratory reporting limits in soil vapor sample SV-1 and only low-level concentrations of CVOCs (PCE, TCE and carbon tetrachloride) were detected in offsite soil vapor samples, SV-2 and SV-3. Based on these CVOC sample results, additional offsite sampling was not proposed.

Table 1A below shows a summary of Merritt's applicable December 2018 and Roux's October 2019/ March 2020 PCE and TCE concentrations detected in sub-slab soil vapor and corresponding indoor air samples

collected at the Site, as compared to the NYSDOH 2017 Matrices for each sample. Additionally, Table 1B below shows a summary of PCE and TCE concentrations detected in exterior soil vapor and/or ambient air samples collected by Merritt in 2018 and Roux in 2019/2020:

Table 1A. Sub-Slab Soil Vapor/Indoor Air PCE and TCE Concentrations

Sample Location	Sample Date	PCE Sub-Slab Concentrations / Sample Designation (µg/m ³)	PCE Indoor Air Concentrations / Sample Designation (µg/m ³)	TCE Sub-Slab Concentrations / Sample Designation (µg/m ³)	TCE Indoor Air Concentrations / Sample Designation (µg/m ³)	NYSDOH Matrices Stage
4125 Laconia Ave (Grocery and Deli)	10/8/2019	ND ² (RSS-1)	3.16 (RIA-1)	ND (RSS-1)	0.14 (RIA-1)	No Further Action
	3/23/2020	ND ² (RSS-1)	29.6 (RIA-1)	ND (RSS-1)	1.0 (RIA-1)	Resample or Mitigate
4129 Laconia Ave (The Mandarin House)	10/8/2019	266 (RSS-2)	28.2 (RIA-2 DUP)	3.74 (RSS-2)	0.683 (RIA-2 DUP)	Mitigate
4131 Laconia Ave (The Barber Factory)	3/23/2020	43.4 (RSS-2)	20.1 (RIA-2)	25.2 (RSS-2)	0.661 (RIA-2)	Resample or Mitigate
Basement Corridor (4125-4149 Laconia Avenue)	10/8/2019	2,200 (RSS-3)	1.95 (RIA-3)	392 (RSS-3)	ND (RIA-3)	Mitigate
	3/23/2020	140 (RSS-3)	20.1 (RIA-3)	55.9 (RSS-3)	0.742 (RIA-3)	
4137 Laconia Ave (Former Dry Cleaners)	12/4/2018 ¹	303,119 (SV-1)	21.7 (IA-1)	5,911 (SV-1)	2.42 (IA-1)	Mitigate
4141 Laconia Ave (Associated Grocery)	12/4/2018 ¹	28,480 (SV-2)	46.8 (IA-2)	3,385 (SV-2)	8.06 (IA-2)	Mitigate
	10/8/2019	3,890 (RSS-4)	Not Sampled	2,330 (RSS-4)	Not Sampled	
	3/23/2020	575 (RSS-4)	Not Sampled	1,410 (RSS-4)	Not Sampled	
	10/8/2019	692 (RSS-5)	15.1 (RIA-4)	377 (RSS-5)	2.48 (RIA-4)	
	3/23/2020	90.2 (RSS-5)	12.8 (RIA-4)	116 (RSS-5)	2.06 (RIA-4)	
	10/8/2019	208 (RSS-6)	14.8 (RIA-5)	58 (RSS-6)	2.39 (RIA-5)	
	3/23/2020	8.61 (RSS-6)	ND (RIA-5)	5.37 (RSS-6)	ND (RIA-5)	

1 – Collected by Merritt Environmental

2 - Elevated petroleum-related compounds in RSS-1 sample elevated laboratory reporting limits of CVOCs

µg/m³ - Micrograms per cubic meter

ND - Not Detected (above laboratory reporting limit)

Table 1B. Soil Vapor/Ambient Air PCE and TCE Concentrations

Sample Location	Sample Date	PCE Soil Vapor Concentrations / Sample Designation (µg/m³)	TCE Soil Vapor Concentrations / Sample Designation (µg/m³)
Parking Lot (4125-4149 Laconia Avenue)	3/23/2020	ND (SV-1)	ND (SV-1)
Offsite Property (1094 E 231 Street)	3/23/2020	1.04 (SV-2)	0.258 (SV-2)
Offsite Property (1094 E 231 Street)	3/23/2020	1.67 (SV-3)	0.371 (SV-3)

µg/m³ - Micrograms per cubic meter

ND - Not Detected (above laboratory reporting limit)

The initially proposed SSDS described in the IRM/SVI Work Plan dated December 13, 2019, included the installation of 10 vertical suction points attached to in line fans (RadonAway® GX5 Fan or engineer approved equivalent) in portions of the Site building's basement concrete slab. However, based on the NYSDEC IRM/SVI Work Plan comment letter dated May 20, 2020, the NYSDEC is requiring the entire Site building basement slab to be influenced by the active SSDS and required implementation of a SSDS pilot test, prior to the installation of the full SSDS, to obtain radius of influence (ROI) data that will be needed in order to ensure the SSDS is effectively influencing the entire basement slab. The proposed SSDS pilot test was included in the revised IRM Work Plan dated June 26, 2020, which was approved by the NYSDEC on July 10, 2020. Results of the SSDS pilot test were included in the SSDS Pilot Test Summary Report dated August 17, 2020 and summarized in Section 2.2.5 of this RIR. .

2.2.5 Roux July 2020 SSDS Pilot Test Summary Report Prepared by Roux, Dated August 17, 2020

On July 27 through July 30, 2020, Roux's subcontractor, EnviroTrac Environmental Services of Yaphank, New York, completed the installation and testing of three vertical suction points (SS-5, SS-8 and SS-11) at three different locations throughout the Site.

At each suction point location, an approximate two-foot by two-foot area of the concrete slab was removed and excavated down to approximately eight-inches below the bottom of the concrete slab. Due to shallow groundwater observed beneath the concrete slab at some locations during previous investigations completed at the Site, each suction point pit was built up and sealed with cast-in-place concrete. At each location, an approximate 10-inch thick by six-inch wide elevated concrete shelf was constructed on top of the concrete slab, around the perimeter of each suction point, to allow for the installation of suction point piping (perforated piping) to extend approximately six inches above the top of the concrete slab and optimize the available space to extract sub-slab soil vapor. All suction points were constructed with an approximate one-foot long, four-inch diameter perforated schedule 40 (20-slot) polyvinyl chloride (PVC) pipe installed to approximately eight-inches below the bottom of the concrete slab and four inches above the top of the concrete slab. The bottom of each suction point piping was fitted/sealed with a PVC end cap. An approximate six-inch long, four-inch diameter solid cast iron pipe was attached/sealed to the top of the perforated piping with a rubber fitting. Temporary discharge hose was attached to the steel pipe, which was routed to the exterior (outside) of the building. The discharge hoses were located a minimum of 10 feet from any HVAC air inlets and the building edge. The bottom and sides of each suction point pit was lined with 10-ounce non-woven geotextile fabric. Following installation of suction point piping and geotextile fabric, 3/8-inch gravel was backfilled around the perforated piping to approximately one inch above the top of the perforated piping. A vapor barrier was installed

on top of the gravel and sealed around the suction point steel piping. The top of each suction pit was completed with an approximate four-inch thick concrete cap (the steel piping extended above the concrete cap).

Following installation of the SSDS Pilot Test suction point components, a total of 11 temporary sub-slab monitoring points were installed throughout the building concrete slab, which were utilized, along with one existing monitoring point (RSS-4), to measure the vacuum pressures and ROI of the suction points during the SSDS Pilot Test.

During the SSDS Pilot Test, two types of in-line fans/vacuum blowers (RadonAway® GP501 and HS5000) were used at each suction point to create a vacuum beneath the concrete slab. As indicated in the IRM Work Plan, a RadonAway® GX5 Fan (or engineer-approved equal) would be utilized during the SSDS Pilot Test. However, due to manufacturing issues resulting from the Pandemic, the RadonAway® GX5 Fan was not available and the RadonAway® GP501 and HS5000 were deemed by a Roux NYS professional engineer (PE) as suitable substitute fans for the SSDS Pilot Test. Although the IRM Work Plan only called for one type of in-line fan/vacuum blower to be used, since neither of these were the actual equipment specified, Roux utilized both RadonAway® GP501 and HS5000 to be conservative.

SSDS Pilot Test Results/Conclusions

Based on the field measurements collected during the SSDS Pilot Test, both in-line fans/vacuum blowers effectively influenced the subsurface below the concrete slab at all monitoring points utilized during the SSDS Pilot Test. It was determined the data obtained from the smaller (GP-501) of the two in-line fans/vacuum blowers was sufficient enough to achieve the performance goals of the SSDS Pilot Test, which was used for the ROI analysis.

Based on the SSDS Pilot Test results, applying a vacuum between 2.1" and 3.7" H₂O at a flow rate between 21 cubic feet per meter (cfm) and 51 cfm would achieve a minimum ROI between 31.3 feet and 43.2 feet. As a conservative measure, it is recommended that a target ROI of 30 feet (applied vacuum of 3.7" H₂O and applied flow rate of 21 cfm) is utilized for design of the full-scale SSDS for this Site, which will effectively influence the entire building slab.

Based on the above, the SSDS Design Drawing submitted by Roux was updated accordingly to include a total of eight suction points (SS-3, SS-4, SS-5, SS-7 through SS-11), which was included as Appendix A in the Sub-Slab Depressurization (SSDS) Pilot Test Summary Report submitted to the NYSDEC/NYSDOH on August 17, 2020. Previously proposed suction points SS-1, SS-2, and SS-6 were eliminated from the SSDS Design Drawing as the locations of the eight proposed suction points and a ROI of 30 feet will effectively influence the entire building slab. NYSDEC/NYSDOH approved the revised SSDS Pilot Test Summary Report/SSDS Design Drawing on March 31, 2021. The implementation of the IRM Work Plan is pending.

3. Remedial Investigation Activities

The following sections summarize the work completed by Roux and its subcontractors during the RI. The Scope of Work was completed in general accordance with the RIWP dated August 7, 2020, Response Letter/Sampling Plan dated April 14, 2021 and associated project plans [Health and Safety Plan (HASP), Field Sampling Plan (FSP), and Quality Assurance Project Plan (QAPP)]. The scope of the RI included the collection of sufficient Site characterization data so that, together with the previous data collected by Roux, the entire Site would be sufficiently characterized to support the development of the Site-wide RAWP. All work was also performed in accordance with NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (May 2010).

The data for all media (soil, groundwater, indoor/ambient air and soil vapor) sampled during the RI and previous investigations were reported using Category B data deliverables. Data Usability Summary Reports (DUSRs) were prepared by Roux Associates, Inc of Logan Township, New Jersey. Laboratory analytical reports are provided in Appendix D. The DUSRs are provided in Appendix E. All data was submitted to NYSDEC in electronic format, in accordance with DER-10, Section 1.15 and updated procedures that took effect on November 14, 2018.

The scope of work for the RI included the following:

- The collection of soil, groundwater, and soil vapor data sufficient to define the nature and extent of impacted media and current Site and off-Site conditions (groundwater and soil vapor only);
- The collection of a synoptic round of groundwater level measurements and the collection of land survey data as needed for developing a groundwater elevation contour map; and
- The performance of a qualitative exposure assessment (QEA) to identify exposure pathways and evaluate contaminant fate and transport.

Field activities were conducted in November and early December 2020 and April 2021. Field activities completed during the RI included the following:

- Installation of 15 soil borings (RSB-1 through RSB-8, RMW-1 through RMW-7) along with the collection and analysis of 20 soil samples (including QA/QC sample);
- Installation of 10 groundwater monitoring wells (RMW-1 through RMW-10);
- Collection and analysis of 17 groundwater samples (including QA/QC sample) from newly installed RMW-1 through RMW-10, existing monitoring wells MW-1, MW-2 and MW-3, MW-9R and existing sumps SUMP-2 and SUMP-3;
- Installation and sampling of five soil vapor monitoring points (SV-4 through SV-8) and one ambient air sample (AMB-050421); and
- Implementation of a community air monitoring program (CAMP) during ground intrusive activities.

A groundwater sample could not be collected from SUMP-1 located in the Grocery and Deli basement as it did not contain liquid.

The overall scope of each component of the RI is discussed in the following subsections. Detailed field sampling procedures, including soil and groundwater sampling procedures for per- and polyfluoroalkyl substances (PFAS), are provided in the QAPP/ FSP of the August 7, 2020 RIWP and summarized below.

3.1 Site Inspection

Previous investigations have assessed the presence of soil, groundwater, and soil vapor/indoor air CVOC contamination due to the operation of the former dry cleaners at the Site (4137 Laconia Avenue tenant space) and groundwater and soil vapor/indoor air petroleum-related contamination due to known spills from the adjacent off-Site property (47th Precinct), which are known Areas of Concern (AOCs). Roux has performed a Site reconnaissance and targeted these AOCs during the RI. An inspection of the existing on-Site and off-Site conditions was conducted to determine final locations of soil borings and monitoring wells based on actual field conditions. In addition, the condition of existing monitoring wells (MW-1 through MW-3), installed by Merritt during previous Site investigation activities and MW-9R, installed by URS for 47th Precinct investigation/remediation activities, were determined to be in good condition, and were incorporated into the groundwater gauging and sampling RI activities in order to evaluate groundwater flow direction and quality, as described further in Section 4.2.2. Permission to collect a groundwater sample from MW-9R was granted by AECOM/New York City Department of Design and Construction (NYCDDC) in an email dated November 4, 2020.

3.2 Utility Clearances

Prior to the advancement of soil borings and the installation of monitoring wells and soil vapor monitoring points, utility clearances were performed using hand tools (i.e., post-hole digger, hand auger, pry bar, shovel) to a minimum of five ft bls at each exterior location to confirm that no subsurface utilities or obstructions were present. Indoor locations were only hand cleared to groundwater and/or bedrock. Groundwater/competent bedrock were encountered shallower than five ft below the basement slab at all indoor (basement) locations. All locations were determined to be clear of utilities.

3.3 Soil Borings and Soil Sampling Activities

On November 9, 2020 through November 18, 2020, a total of 15 soil borings were installed and 20 soil samples were collected as part of the RI. All soil boring work was completed by AARCO Environmental Services Corp. of Lindenhurst, New York (AARCO) under the supervision of Roux. Soil boring locations are shown on Figure 2.

During utility clearance activities described above, interior soil borings (RSB-1 through RSB-6, RMW-1, and RMW-4 through RMW-7) and exterior soil boring RSB-8 were advanced to groundwater and/or bedrock (approximately two ft to four ft below basement concrete slab and five ft bls at RSB-8) using hand tools for the collection of soil samples.

Following utility clearance activities, exterior soil borings (RSB-7, RMW-2, and RMW-3) were advanced to bedrock via a Sonic drill rig for the collection of soil samples. Competent bedrock was encountered at a depth ranging from approximately eight ft bls (RMW-3) to 13 ft bls (RSB-7). Following soil sampling activities, RMW-2 and RMW-3 were further advanced through bedrock to depths of approximately 25 ft bls and 20 ft bls, respectively, utilizing a Geoprobe® fitted with a compressed air hammer in order to install bedrock monitoring wells (see Section 3.4). An attempt was made to advance through bedrock with the Sonic drill rig, however, due to the hardness of the bedrock, the drilling equipment could not be advanced through bedrock.

During soil boring installations, the lithology was recorded, and soil was inspected for evidence (visual and/or olfactory) of contamination and field screened continuously for VOCs using a PID with a 10.6 eV lamp at each soil boring location.

During soil boring activities, two soil samples were collected for laboratory analyses from exterior soil boring locations RSB-7, RSB-8, RMW-2, and RMW-3. A shallow soil sample was collected from the 0 to 2 ft bls interval, and a deeper soil sample was collected from the 2-ft interval directly above competent bedrock. One soil sample was collected from the 1-ft or 2-ft interval directly above groundwater at each of eleven interior (basement) locations (RSB-1 through RSB-6, RMW-1, and RMW-4 through RMW-7) due to limited soil columns and shallow groundwater depths (approximately one to three ft bls) at these locations. Soil boring logs are provided in Appendix A.

One blind duplicate soil sample, one matrix spike/matrix spike duplicate sample and one field blank sample were collected as a quality assurance method. Duplicate soil sample DUP-20201109 was collected from soil sample RMW-2_0-2. A discussion of duplicate soil sample results compared to the parent sample results is provided in Section 4.3.5 of this RIR.

All soil samples were placed in the appropriate containers and sent in iced coolers, under chain-of-custody procedures, to TestAmerica Laboratories, Inc. (TestAmerica) of Edison, New Jersey, a laboratory with a current NYSDOH Environmental Laboratory Approval Program (ELAP) Contract and Laboratory Protocol (CLP) and analyzed for the following parameters:

- Full Target Compound List (TCL) VOCs plus 10 tentatively identified compounds (TICs) via United States Environmental Protection Agency (USEPA) Methods 8260D;
- BNA/SVOCs (including 1,4-Dioxane) plus 20 TICs via United USEPA Method 8270E;
- Target Analyte List (TAL) metals, including mercury, via USEPA Method 6020B/7471B;
- PCBs via USEPA Method 8082A;
- TCL pesticides via USEPA Method 8081B; and
- PFAS, Standard List (21 compounds) via USEPA Method 537.1.

Soil collected for PFAS analyses were placed in separate iced coolers prior to sending to TestAmerica. Soil sampling activities were completed in accordance with the Sampling, Analysis and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs guidance document dated October 2020.

Following sample collection, boreholes were backfilled with soil cuttings and/or clean sand. However, soil removed from RMW-1 and RMW-4 were containerized and not used as backfill. The surface at each location was restored to match the surrounding media (e.g., asphalt, soil, concrete). All excess or impacted soil cuttings (based on field screening results) and concrete generated during soil boring activities were containerized in labeled 55-gallon DOT drums and temporarily staged on-Site pending disposal at an approved facility.

3.4 Groundwater Monitoring Well Installations

From November 9, 2020 through November 18, 2020, a total of 10 groundwater monitoring wells (RMW-1 through RMW-10) were installed as part of RI activities. Groundwater monitoring well (monitoring well) locations are shown on Figure 2. The monitoring well locations were selected to evaluate groundwater quality in areas not previously monitored, while also helping to refine the understanding of Site groundwater flow. Monitoring well construction logs are provided in Appendix A. Monitoring well construction details are provided in Table 1.

All monitoring wells, with the exception of RMW-2 and RMW-3, installed during RI activities were installed as overburden monitoring wells (i.e., above competent bedrock). Monitoring wells RMW-2 and RMW-3 were installed as bedrock wells since groundwater was not observed above bedrock at these locations during drilling activities. To facilitate bedrock well installations at RMW-2 and RMW-3, the drilling equipment was advanced approximately 12 feet to 15 feet into bedrock using a Geoprobe® drill rig equipped with an air hammer. Initially, bedrock wells were attempted to be installed with a Sonic drill rig at these locations; however, due to the hardness of the bedrock, the drilling equipment could not be advanced through bedrock. All other monitoring wells were either installed by hand (interior monitoring wells installed in the basement of the Site building) or using a Geoprobe® drill rig equipped with hollow stem augers. During drilling activities, groundwater was observed approximately seven (RMW-3) to 12 feet (RMW-2) in bedrock. However, following initial observation of groundwater in bedrock and advancement to termination depths at RMW-2 and RMW-3, the groundwater level rose approximately 14 feet in RMW-2 and seven feet in RMW-3 indicating the bedrock groundwater was under confining conditions. The potentiometric surface of the bedrock groundwater was measured during the RI. Groundwater was observed approximately two ft below the basement concrete slab and approximately nine ft bls beneath Laconia Avenue sidewalk.

All interior monitoring wells were constructed with approximately two feet of 2-inch diameter, 0.020-foot slotted polyvinyl chloride (PVC) screens, installed to bridge the water table. All exterior monitoring wells were constructed with approximately 10 feet of 2-inch diameter, 0.020-foot slotted PVC screens, installed to bridge the water table with the exception of RMW-8. During drilling at RMW 8 (located in E 231st Street sidewalk), saturated soil (perched water) was observed at approximately 6-7 ft bls above a lens of silt/clay, which was encountered at approximately 7-10 ft bls. The silt/clay layer was dry. Groundwater was observed at approximately 9.9 ft bls and competent bedrock was encountered at approximately 17 ft bls at this location. Prior to installation of the monitoring well at this location, the NYSDEC was contacted and informed of the perched water at RMW-8. In accordance with NYSDEC approval, RMW-8 was screened from 10-17 ft bls (situated immediately below the silt/clay lens and above competent bedrock) and the borehole annulus above 10 ft bls was sealed with bentonite and grout to prevent perched water from entering the monitoring well.

During monitoring well installation activities, #2 sand filter pack was placed around the well screens to approximately 2-ft above the top of the well screens. The annulus above the filter pack was sealed with a two- to three-foot layer of hydrated bentonite seal. A cement-bentonite grout was then placed in the annulus above the bentonite seal to approximately 4-inches bls. Indoor (basement) wells included the #2 sand filter pack and bentonite seal, but no grout above due to limited space (less than 2 ft) between the top of screen and manhole cover. Surface completion of each monitoring well consisted of a locking J-plug and a protective flush-mounted manhole cover. Following installation, newly constructed monitoring wells were developed using a surge block and submersible pump to equilibrate monitoring well water levels with the surrounding formation and to reduce turbidity of the groundwater within the monitoring wells.

All newly installed monitoring wells (RMW-1 through RMW-10) and existing monitoring wells (MW-9R, and MW-1 through MW-3), were surveyed by a New York State licensed surveyor to obtain surface and top of well casing elevations as well as horizontal and vertical survey coordinates.

All excess soil cuttings and purge water generated during monitoring well installation and development activities were containerized in labeled 55-gallon drums and temporarily staged on-Site pending disposal at an approved facility. Following completion of soil boring and monitoring well installation activities, a composite soil sample was collected from the drummed soil/concrete waste and sent to TestAmerica for full waste characterization analyses. Following receipt of a NYSDEC Contain-In Determination, discussed in Section

4.3.7 of this RIR, for the drummed soil/concrete waste, On February 15, 2021, all soil/concrete waste generated during RI activities was transported to Republic Environmental Systems (PA) LLC in Hatfield, Pennsylvania (Republic) under non-hazardous waste manifest procedures for disposal. A total of six non-hazardous soil/concrete drums were transported to Republic for disposal. Additionally, on February 15, 2021, all purge water drummed waste (including purge water generated during sampling activities discussed in Section 3.4.1 below) generated during RI activities was transported to Republic under hazardous waste (D039) manifest procedures for disposal. A total of two hazardous purge water drums were transported to Republic for disposal. Waste documentation is provided in Appendix H.

3.4.1 Groundwater Monitoring Well Gauging and Sampling

On November 30, 2020, groundwater levels were measured by Roux to evaluate Site-wide groundwater elevations and groundwater flow. Groundwater levels were collected with an electronic oil/water interface probe. All groundwater level measurements were collected on the same day to provide a snapshot of the Site-wide conditions. During the gauging event, separate phase product was not observed. A summary of groundwater gauging data is provided in Table 2. A groundwater contour map, based on the November 30, 2020 gauging event, is provided as Figure 3.

On December 1 through December 2, 2020, approximately two weeks following monitoring well installations, a comprehensive groundwater sampling event was completed at the Site. Groundwater samples were collected from newly installed monitoring wells, RMW-1 through RMW-10, and from existing monitoring wells, MW-9R, MW-1, MW-2, and MW-3. Groundwater samples were collected using low flow methods described in the USEPA guidance document titled “Ground Water Sampling Procedure, Low Stress (Low Flow) Purging and Sampling” (USEPA, 2010) and the NYSDEC Sampling, Analysis and Assessment of PFAS Guidance of October 2020 (October 2020 PFAS Guidance). During purging, a water quality meter was used to monitor water quality indicator parameters such as pH, dissolved oxygen, conductivity, temperature, turbidity, and oxidation reduction potential (ORP). The field parameters were recorded on monitoring well sampling field data sheets, which are included in Appendix B.

As a quality assurance method, one blind duplicate groundwater sample, one matrix spike/matrix spike duplicate sample and field blank sample were collected. Duplicate groundwater sample DUP-20201201 was collected from monitoring well MW-9R. A discussion of duplicate groundwater sample results compared to the parent sample results are discussed in Section 4.3.5 of this RIR.

Groundwater samples collected during the RI were analyzed for the following parameters:

- TCL VOCs and BNA/SVOCs plus 30 TICs via USEPA Methods 8260D and 8270E, respectively;
- Total and dissolved TAL metals via USEPA Method 6020B, including mercury using Method 7470A;
- PCBs via USEPA Method 8082A;
- TCL pesticides via USEPA Method 8081B;
- PFAS, Standard List (21 compounds) via USEPA Method 537.1; and
- 1,4-Dioxane via USEPA Method 8270-SIM.

All groundwater samples were placed in the appropriately preserved containers, placed in iced coolers, and were sent to TestAmerica under chain-of-custody procedures. All excess purge water was containerized in labeled 55-gallon drums.

3.5 Sump Sampling

In addition to monitoring well samples, grab groundwater samples were collected from two existing on-Site sumps (SUMP-2 and SUMP-3) located in the Associated Grocery basement. The sumps' walls and bottom were constructed of brick, gaps were observed in the brick mortar. Based on the water levels observed in the SUMP-2 and SUMP-3 (approximately 0.5 ft below the concrete slab and one ft below the concrete slab, respectively) and the depth to bottom of both sumps (approximately two ft below the concrete slab, respectively), the water within the sumps is likely groundwater. The water levels measured in these two sumps is generally consistent with the water levels observed in RMW-6 and RMW-7 (approximately 0.5 ft below the concrete slab), which are also located in the Associated Grocery basement. However, water within SUMP-2 is a combination of groundwater and water accepted by the floor drains throughout Associated Grocery. During the RI, clear water was observed flowing into SUMP-2 from an approximate 3-inch diameter pipe, which was located approximately six inches below the concrete slab in the west side of this sump. An attempt was made to collect a water sample from SUMP-1 (located in the Grocery and Deli basement), however, this sump did not contain liquid and therefore a sample could not be collected. Groundwater grab samples were collected from SUMP-2 and SUMP-3 (both in Associated Grocery basement) and were analyzed for the same parameters as the monitoring well samples (see Section 3.4). During sampling activities, a septic-like odor was observed in water from SUMP-3 (Associated Grocery basement).

3.6 Soil Vapor Monitoring Point Installations

On November 9 through November 13, 2020 and on April 29, 2021, a total of five soil vapor monitoring points (SV-4 through SV-8) were installed at the Site using a Geoprobe® drill rig, Sonic drill rig, or hand tools. All soil vapor monitoring point (vapor point) installation activities were conducted by AARCO under the supervision of Roux. Soil vapor monitoring point locations are shown on Figure 2. Soil vapor monitoring point construction details are provided in Table 1.

At each vapor point location, a six-inch long, stainless steel sample screen attached to Teflon-lined polyethylene sample tubing was installed approximately one to two feet above observed groundwater or perched water (observed at SV-4 location [adjacent to RMW-8 located in E231st Street sidewalk]) and coarse sand was added to approximately six inches above the top of the screen creating a one-foot sample zone. A two to three feet thick layer of bentonite was added to the top of the sand, hydrated, and the remainder of the boring annulus was filled with soil cuttings. The surface was completed with a secure, five-inch diameter, flush-mounted curb box concreted at grade.

3.6.1 Soil Vapor Sampling

Soil vapor samples SV-4 through SV-6 were collected on November 17, 2020; soil vapor samples SV-7 and SV-8, and ambient air sample AMB-050421 were collected on May 4, 2021. Ambient air sample AMB-050421 was collected adjacent to SV-8, approximately four feet above land surface. All soil vapor and ambient air samples were collected in accordance with the October 2006 NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH Guidance).

Prior to sample collection, the integrity of each soil vapor sample point seal was verified via a helium gas tracer test. This step was conducted as a quality assurance/quality control measure to verify that the soil vapor sample was not compromised by the inadvertent introduction of ambient air into the sample. During the helium gas tracer test, soil vapor was purged from the point using an air pump calibrated to approximately 0.2 liters per minute while the sampling point was covered at the surface with a small enclosure that was

partially filled with helium. The soil vapor discharging from the air pump and the air within the enclosure was continuously screened for helium during purging. At all of the soil vapor and sub-slab soil vapor sample locations, helium was not detected from the sample tubing greater than 10% of the helium detected in the enriched area (i.e., within the bucket), therefore, the helium tracer test verified the integrity of the surface seal of the soil vapor and sub-slab soil vapor monitoring points. Results of helium gas tracer tests were recorded on soil vapor sampling logs, which are included in Appendix C.

Following tracer gas testing, the sample tubing at each sample point was purged of approximately two volumes of the tubing using a vacuum pump set at a rate of approximately 0.2 liters per minute. Following purging, the sample tubing was connected to the laboratory supplied flow regulator attached to a 6-liter Summa canister. All soil vapor and ambient air samples were collected using pre-cleaned 6-liter Summa canisters with flow regulators calibrated to collect samples over a 2-hour period. Sample start and end times, and canister start and end pressures were recorded on soil vapor and ambient air sampling logs, which are included in Appendix C.

All soil vapor and ambient air samples were sent to TestAmerica, under chain-of-custody procedures, and analyzed for VOCs using USEPA Method TO-15.

4. Remedial Investigation Results

The following section provides a summary of the geological and hydrogeological findings, and the soil, groundwater, and soil vapor/ambient air quality data that were generated by Roux during the RI. Additionally, this section provides a summary of CAMP results. Results of all validated data generated during the RI are provided in Tables 4 through 16. CAMP reports are provided in Appendix F.

4.1 Fish and Wildlife Remedial Impact Analysis

The Bronx River is located approximately one mile west of the Site and the Hutchinson River is located approximately one and a half miles west of the Site. A fish and wildlife remedial impact analysis is not required since there are no known federal, state or local natural resources, including waterways, wildlife refuges, wetlands, or critical habitats of endangered or threatened species on, adjacent to, or impacted by the Site.

4.2 Geological and Hydrogeological Conditions

The following sections provide a description of the geological and hydrogeological findings of the RI. A hydrogeologic investigation was conducted in an effort to evaluate the subsurface conditions that could influence the nature and extent, possible migration, and remediation of contamination at the Site.

4.2.1 Local Geology and Stratigraphy

Based on the lithology recorded from soil borings advanced during previous investigations and the RI, a fill layer consisting of varying amounts of fine to coarse sand, silt, gravel, cobbles, concrete, brick and/or asphalt fragments was encountered from grade (immediately below asphalt or concrete surface) to approximately seven to ten ft bls (in some locations). The fill layer was underlain by an approximate 1.5-ft to 11-ft thick native, fine to coarse sand stratum with varying amounts of silt, gravel, clay and cobbles. All interior locations (i.e., building basement locations), included the fill layer that continued from directly underneath the concrete slab to bedrock, without a native soil stratum.

Immediately underlying the fill and native overburden stratum, decomposed bedrock and/or competent bedrock (schist) were identified across the Site. Decomposed bedrock was observed, at most locations, above competent bedrock at a thickness ranging from approximately 0.5 ft to 8 ft. The decomposed bedrock was observed to be soil like. Competent bedrock was identified at shallower depths in the western portion of the Site and sloped downward in an eastern and northern direction. The top of bedrock observed in off-Site locations to the east and north of the Site are lower in elevation compared to on-Site. Competent bedrock surface ranges from an approximate elevation of 100 ft NAVD88 (five ft bls – RSB-8) to approximately 77 ft NAVD88 (22.5 ft bls – RMW-10). Generalized geologic cross-sections (A-A' and B-B') are provided as Plate 1.

4.2.2 Site Hydrogeologic Setting

Based on water-level data collected during this RI (see Table 2), the overburden water table surface at the Site (including off-Site monitoring wells) ranges from an elevation of 89.32 ft NAVD88 (RMW-9) to 92.18 ft NAVD88 (MW-9R). Groundwater flow direction appears to generally mimic bedrock topography (Plate 1) and the general groundwater flow across the Site is to the east, toward Hutchinson River. A groundwater contour map, based on the data collected during the November 30, 2020 groundwater gauging event, is

provided as Figure 3. A minor occurrence of perched water was observed at approximately 6 ft bls at RMW-8 only, located in the sidewalk on E231st Street. The perched water, which was not encountered during utility clearance (to seven ft bls) at this location but was observed during drilling following a rain event, was observed immediately above a discontinuous lens of silt/clay encountered at approximately 7-10 ft bls at RMW-8. Additionally, groundwater was not encountered above bedrock at sample locations completed in the Site parking lot. However, groundwater was encountered in bedrock at RMW-2 and RMW-3, completed in the Site parking lot, at depths of approximately 22 ft bls and 14 ft bls, respectively. During the November 30, 2020 groundwater gauging event, the potentiometric surface of bedrock groundwater in RMW-2 and RMW-3 was measured at approximately eight ft bls and seven ft bls, respectively.

4.3 Remedial Investigation Sample Results

The following sections summarize soil, groundwater, and soil vapor quality data that was generated by Roux during the RI including soil field screening results (i.e., visual, olfactory and PID readings). Results of all validated sample data generated during the RI are provided in Tables 4 through 16. Soil vapor and air detections for the RI and previous investigations are summarized on Plate 2. Compounds exceeding applicable/established NYSDEC standards and criteria for soil and groundwater are summarized on Plates 3 through 4. Analytical reports are provided in Appendix D. DUSRs are provided in Appendix E.

4.3.1 Field Screening Results

During soil boring installations, soil from each soil boring was inspected for evidence of contamination (staining, odor) and field screened continuously for organic vapors using a PID. No stained soil was observed during field screening activities. Elevated PID readings and odor were observed in soil screened at locations RMW-1, RMW-4, and RSB-4. The range of PID readings measured in soil and associated depth intervals (ft bls) at these locations are as follows:

- RMW-1; 92.3 ppm [RMW-1 (1-2)] to 1,745 ppm [RMW-1 (3-3.5)];
- RMW-4; 107 ppm [RMW-4 (3-4)] to 1,744 ppm [RMW-4 (2-3)]; and
- RSB-4; 19.3 ppm [RSB-4 (2-3)] to 76.1 ppm [RSB-4 (0.33-1)].

4.3.2 Soil Results

A total of 20 soil samples, including one field duplicate soil sample, were collected from 15 soil boring locations and submitted for laboratory analysis as part of the RI. All analytical soil data was compared to the NYSDEC UUSCOs, Commercial Use Soil Cleanup Objectives (CUSCOs) and Protection of Groundwater Soil Cleanup Objectives (PGWSCOs).

Laboratory analytical data generated during the RI for soil is summarized in Tables 4 through 9. Soil boring locations with soil sample exceedances of the NYSDEC SCOs are shown on Plate 3. A summary of soil quality results is provided below.

4.3.2.1 Volatile Organic Compounds in Soil

VOCs were detected at concentrations exceeding NYSDEC UUSCOs, CUSCOs and/or PGWSCOs in four soil samples collected during the RI. VOCs results are summarized in Table 4 and on Plate 3. A summary of the VOC exceedances in soil during the RI and previous investigations completed by Merritt are provided below:

Analyte	NYSDEC UUSCO/CUSCO/PGWSCO (mg/kg)	Detections above NYSDEC UUSCO/CUSCO/PGWSCO (mg/kg)	Maximum Concentration (mg/kg)	Sample with Maximum Concentration
1,2,4-Trimethylbenzene	3.6 / 190 / 3.6	1 / 0 / 1	16	RMW-4_1-3
Acetone	0.05 / 500 / 0.05	1 / 0 / 1	0.071	RSB-7_0-2
Ethylbenzene	1.0 / 390 / 1.0	1 / 0 / 1	3.9	RMW-4_1-3
PCE	1.3 / 150 / 1.3	1 / 1 / 1	880	RMW-1_1-3
Trans-1,2-Dichloroethene	0.19 / 500 / 0.19	1 / 0 / 1	0.21	RMW-6_0-1
Xylenes (Total)	0.26 / 500 / 1.6	1 / 0 / 1	16	RMW-4_1-3

As indicated in Section 2.2.1.1 of this RIR, during previous investigations completed by Merritt in 2018, PCE was detected at a concentration of 25 mg/kg in sample in sample B1_1' (located in the former dry cleaners basement) compared to 1.3 mg/kg (UUSCO and PGWSCO).

4.3.2.2 Semivolatile Organic Compounds in Soil

SVOCs were not detected in soil at concentrations exceeding applicable NYSDEC SCOs during the RI. 1,4-Dioxane was not detected in soil during the RI. SVOC results are summarized in Table 5.

4.3.2.3 Metals in Soil

Metals that were detected in soil at concentrations exceeding applicable NYSDEC SCOs during this RI are summarized in Table 6 and on Plate 3. A summary of the soil exceedances is provided below:

Analyte	NYSDEC UUSCO/CUSCO/PGWSCO (mg/kg)	Detections above NYSDEC UUSCOs/CUSCOs/PGWSCO (mg/kg)	Range in Concentration Above NYSDEC UUSCOs/CUSCOs/ PGWSCO (mg/kg)	Sample with Maximum Detection
Barium	350 / 400 / 820	2 / 1 / 0	383 - 420	RMW-2_8-10
Chromium, Total	30 / 1500 / --	10 / 0 / 0	31 – 82.2	RMW-2_8-10
Copper	50 / 270 / 1720	1 / 0 / 0	78.3	RSB-7_11-13
Lead	63 / 1000 / 450	5 / 0 / 0	64.8 - 200	RSB-1_1-3
Nickel	30 / 310 / 130	3 / 0 / 0	31.8 – 55.9	RMW-2_8-10
Zinc	109 / 10,000 / 2,480	5 / 0 / 0	113 - 187	RMW-6_0-1

-- - No NYSDEC SCO Available

4.3.2.4 Polychlorinated Biphenyls in Soil

PCBs were not detected above reporting limits in soil samples collected during the RI. PCB results are summarized in Table 7.

4.3.2.5 Pesticides in Soil

Pesticides that were detected in soil at concentrations exceeding NYSDEC UUSCOs only are summarized in Table 8 and on Plate 3. A summary of the soil exceedances of NYSDEC UUSCOs are provided below:

Analyte	NYSDEC AWQSGVs (µg/L)	Detections above NYSDEC AWQSGVs	Range in Concentration Above NYSDEC AWQSGVs (µg/L)	Sample with Maximum Detection
P,P'-DDT	0.0033	10*	0.0041 J - 0.031	RMW-2_0-2
P,P'-DDD	0.0033	10*	0.0049 J – 0.025	RSB-3_1-3
P,P'-DDE	0.0033	11*	0.0036 J – 0.043	RSB-1_1-3

4.3.2.6 PFAS in Soil

Table 9 presents a summary of PFAS analytical data for soil samples collected during the RI. A summary of the PFAS soil exceedances of NYSDEC SCOs are provided below:

PFOS was detected at concentrations exceeding UUSCOs (0.88 µg/kg) in four soil samples, but did not exceed CUSCOs or PGWSCOs, ranging in concentration from 0.98 µg/kg to 1.28 µg/kg, with the maximum detection in soil sample RSB-1_1-3.

4.3.3 Groundwater Sampling Results

A total of 14 groundwater samples and one field duplicate sample were collected from 14 monitoring wells and submitted for laboratory analysis as part of the RI. Additionally, two groundwater grab samples were collected from two sumps (SUMP-2 and SUMP-3) located in the Associated Grocery basement, for a total of 17 groundwater samples collected during this RI. All analytical groundwater data was compared to NYSDEC AWQSGVs. As indicated in Section 3.5 of this RIR, SUMP-2 is a combination of groundwater and water accepted by the floor drains throughout Associated Grocery.

Field parameters collected during groundwater purging activities, prior to sample collection, are provided on groundwater sample logs included in Appendix B. The field parameter data were reviewed to evaluate any potential anomalies in general groundwater chemistry that could potentially be influencing the groundwater sampling results. No anomalies were noted, and the field parameters measured during purging appear to be consistent with values expected to occur in the natural environment.

Analytes that exceeded PGWSCOs in Site-wide soil were compared to analyte detections in Site-wide groundwater to assess whether, and to what extent, constituents detected in soil may be impacting groundwater quality. SVOCs, metals, pesticides, PCBs and PFAS in soil were not detected at concentrations exceeding PGWSCOs.

Laboratory analytical data generated during the RI for groundwater are summarized in Tables 10 through 15. Monitoring well locations with groundwater sample exceedances of AWQSGVs are shown on Plate 4.

A summary of groundwater quality results including previous investigation results, is provided in the below sections.

4.3.3.1 Volatile Organic Compounds in Groundwater

VOCs that were detected in groundwater at concentrations exceeding NYSDEC AWQSGVs are shown in Table 10 and on Plate 4. A summary of the groundwater exceedances of NYSDEC AWQSGVs from RI and previous investigations (Merritt 2018/2019) sampling activities are provided in the below table:

VOC Exceedances of NYSDEC AWQSGVs in Groundwater (Roux RI)

Analyte	NYSDEC AWQSGVs (µg/L)	Detections above NYSDEC AWQSGVs	Range in Concentration Above NYSDEC AWQSGVs (µg/L)	Sample with Maximum Detection
1,2,4-Trimethylbenzene	5	1	1900	RMW-4
1,3,5-Trimethylbenzene	5	1	480	RMW-4
Acetone	50	1	120	SUMP-3
Benzene	1	1	63	RMW-4
Chloroform	7	1	29	SUMP-3
DCE	5	8	5.4 - 960	RMW-6
Ethylbenzene	5	1	2300	RMW-4
Isopropylbenzene	5	1	100	RMW-4
Methylene Chloride	5	1	16	SUMP-3
N-Butylbenzene	5	1	22	RMW-4
N-Propylbenzene	5	1	260	RMW-4
Sec-Butylbenzene	5	1	11 J	RMW-4
MTBE	10	2	24 – 89	RMW-2
PCE	5	10	26 – 39000	RMW-1
Toluene	5	2	15 - 540	RMW-4
Trans-1,2-Dichloroethene	5	2	5.5 – 260	RMW-6
TCE	5	9	11 – 1800	RMW-6
Vinyl Chloride	2	1	42	RMW-6
Xylenes (Total)	5	1	8200	RMW-4

VOC Exceedances of NYSDEC AWQSGVs in Groundwater (Merritt 2018/2019)

Analyte	NYSDEC AWQSGVs (µg/L)	Detections above NYSDEC AWQSGVs	Range in Concentration Above NYSDEC AWQSGVs (µg/L)	Sample with Maximum Detection
Acetone	50	2	55 - 370	MW-1
DCE	5	2	19 – 220	MW-2
PCE	5	4	7.8 – 3,500	B3GW*
TCE	5	3	7.7 – 450	MW-2

* - Groundwater grab sample B3GW was collected beneath the former dry cleaners basement.

The compounds listed in the above table were not detected in monitoring well MW-4 (located in the sidewalk on the east side of Laconia Avenue) during the Merritt 2018/2019 sampling event.

As shown on Plate 4, CVOCs were detected in groundwater at all on-Site monitoring wells, including monitoring wells located cross-gradient to groundwater flow direction (east). The cross-gradient occurrence of CVOC impacts to groundwater appears to be attributed to the removal of bedrock during building construction (see Plate 1), which created a depression in bedrock that created a partial damming effect that allowed groundwater to flow laterally.

4.3.3.2 Semivolatile Organic Compounds in Groundwater

SVOCs detected in groundwater are summarized in Table 11. A summary of the groundwater detections and exceedances of NYSDEC AWQSGVs are provided below:

Analyte	NYSDEC AWQSGVs (µg/L)	Detections above NYSDEC AWQSGVs	Range in Concentration Above NYSDEC AWQSGVs (µg/L)	Sample with Maximum Detection
Naphthalene	10	1	590	RMW-4
Phenol	1	1	3.3 J	SUMP-3

4.3.3.3 Metals in Groundwater

Metals that were detected in groundwater at concentrations exceeding NYSDEC AWQSGVs are shown in Table 12 and Plate 4. A summary of the groundwater exceedances of NYSDEC AWQSGVs are provided in the below table:

Metals Exceedances of NYSDEC AWQSGVs in Groundwater

	Analyte	NYSDEC AWQSGVs (µg/L)	Detections above NYSDEC AWQSGVs	Range in Concentration Above NYSDEC AWQSGVs (µg/L)	Sample with Maximum Detection
Total (unfiltered)	Antimony	3	1	3.8	RMW-7
	Chromium, Total	50	1	78.1	MW-3
	Iron	300	14	349 – 83,400	SUMP-3
	Lead	25	1	202	MW-3
	Magnesium	35,000	3	35,200 – 42,800	RMW-4
	Manganese	300	15	336 – 5,380	RMW-4
	Sodium	20,000	17	26,400 – 375,000	RMW-4
Dissolved (Filtered)	Antimony	3	1	3.2	RMW-7
	Iron	300	1	87,400	SUMP-3
	Magnesium	35,000	4	35,800 – 37,500	RMW-4

	Analyte	NYSDEC AWQSGVs (µg/L)	Detections above NYSDEC AWQSGVs	Range in Concentration Above NYSDEC AWQSGVs (µg/L)	Sample with Maximum Detection
	Manganese	300	15	328 – 5,050	RMW-4
	Selenium	10	1	10.4	MW-1
	Sodium	20,000	17	23,300 – 320,000	RMW-4

The concentrations of metals detected in the filtered samples are indicative of dissolved concentrations in groundwater since suspended sediment is filtered out of these samples. All dissolved metal exceedances are considered to be naturally occurring metals.

4.3.3.4 Polychlorinated Biphenyls in Groundwater

Table 13 presents a summary of PCB analytical data collected during the RI. As shown, PCBs were not detected above laboratory reporting limits in any groundwater sample collected during the RI.

4.3.3.5 Pesticides in Groundwater

Table 14 presents a summary of pesticide analytical data collected during the RI. A summary of the groundwater exceedances of NYSDEC AWQSGVs are provided below:

Analyte	NYSDEC AWQSGVs (µg/L)	Detections above NYSDEC AWQSGVs	Range in Concentration Above NYSDEC AWQSGVs (µg/L)	Sample with Maximum Detection
Dieldrin	0.004	2	0.022 - 0.023	MW-9R
Trans-Chlordane	0	1	0.01 J	SUMP-2

As shown above, Dieldrin was detected in two groundwater samples from the same monitoring well (MW-9R and MW-9R duplicate).

4.3.3.6 Emergent Contaminants in Groundwater

Table 15 presents a summary of PFAS and 1,4-Dioxane analytical data in groundwater collected during the RI. As shown, a total of 19 PFAS compounds were detected in groundwater. Additionally, 1,4-Dioxane was detected in five groundwater samples. The NYSDEC maximum contaminant level (MCL) for PFOA and PFOS is 10 nanograms per liter (ng/L); the NYSDEC MCL for 1,4-Dioxane is 1 µg/L. A summary of the PFOA and PFOS, and 1,4-Dioxane detections in groundwater is provided in the tables below:

Parameter	MW-1	MW-2	MW-3	RMW-1	RMW-2	RMW-3	RMW-4	RMW-5	RMW-6
PFOS (ng/L)	13.4	24.4	66.2	332	16.0	46.00	23.60	54.20	12.20
PFOA (ng/L)	10.2	43.1	29.0	67.4	23.2	73.40	43.50	36.80	33.50
1,4-Dioxane (µg/L)	ND	ND	0.99	ND	0.099J	ND	0.057J	0.064J	ND

Parameter	RMW-7	RMW-8	RMW-9	RMW-10	SUMP-2	SUMP-3	MW-9R	MW-9R (DUP)
PFOS (ng/L)	49.40	61.20	49.10	10.20	48.40	7.71	52.4	53.6
PFOA (ng/L)	51.80	47.20	31.70	4.98	46.40	2.99	39.0	38.6
1,4-Dioxane (µg/L)	ND	ND	ND	ND	ND	4.6	ND	ND

ND - Not Detected

DUP - Duplicate Sample

J – Estimated value

Additionally, total PFAS were detected at a concentration of 581.37 J ng/L in RMW-1 compared to the NYSDEC MCL of 500 ng/L. There were no individual PFAS (not including PFOS and PFOA) detected in groundwater at concentration above 100 ng/L. PFAS were detected in all groundwater samples collected during the RI; however, there were no detections of PFAS in soil exceeding CUSCOs or PGWSCOs and PFAS were detected in upgradient monitoring wells. Based on this information, it appears PFAS detections in groundwater are attributed to an off-Site source/Regional impacted groundwater.

As shown above, 1,4-Dioxane was detected in the groundwater sample collected from SUMP-3 at a concentration of 4.6 µg/L and from MW-3 at a concentration of 0.99 µg/L compared to the NYSDEC MCL of 1 µg/L. The detections of 1,4-Dioxane in groundwater appear to be anomalous as there were no detections of 1,4-Dioxane in soil throughout the Site during the RI and are attributed to an off-Site source/Regional impacted groundwater.

4.3.4 Soil Vapor Sampling Results

A total of five soil vapor samples and one ambient air sample were collected from off-Site locations and submitted for laboratory analysis as part of the RI.

Laboratory analytical data generated during the RI for soil vapor and ambient air are summarized in Table 16. Soil vapor monitoring point/ambient air sample locations with soil vapor and ambient air sample detections are shown on Plate 2.

Analytical data for soil vapor and ambient air VOCs indicate that there were detections of 41 VOCs (see Table 16), including petroleum-related and CVOCs. The following compounds are discussed because they are contaminants of concern (COCs) at the Site (namely petroleum-related VOCs and CVOCs). There were no indoor air samples collected as part of the RI; therefore, no direct comparison is made to the NYSDOH May 2017 updated matrices. Below is a summary of petroleum-related VOCs and CVOCs detected in soil vapor during the RI:

Petroleum-Related VOCs and CVOCs Detections in Soil Vapor

Analyte	Detections	Range in Concentration (µg/m³)	Sample with Maximum Detection
<u>Petroleum-Related VOCs</u>			
1,2,4-Trimethylbenzene	5	0.99 - 10	SV-8
1,3,5-Trimethylbenzene	3	0.21 – 2.1	SV-7
1,3-Butadiene	4	0.39 - 22	SV-5
2,2,4-Trimethylpentane	5	1 – 23	SV-8

Analyte	Detections	Range in Concentration (µg/m³)	Sample with Maximum Detection
Acetone	4	17 – 120	SV-4
Benzene	4	1.2 – 13	SV-5
Butane	4	4.4 – 860	SV-5
Ethylbenzene	5	0.62 – 19	SV-8
Isopropanol	3	1.2 – 34	SV-7
Isopropylbenzene (Cumene)	1	1.1	SV-7
Naphthalene	1	1.8	SV-5
N-Butylbenzene	2	0.22 – 0.3	SV-7
N-Heptane	4	1.2 – 39	SV-5
N-Hexane	4	1.5 – 150	SV-5
N-Propylbenzene	2	0.32 – 1.9	SV-7
Tert-Butyl Alcohol	4	0.93 – 4.2	SV-7
Toluene	5	3.4 – 81	SV-8
Xylenes (Total)	5	2.79 – 44	SV-8
<u>CVOCs</u>			
Carbon Tetrachloride	3	0.16 – 0.22	SV-4
Methylene Chloride	2	1 – 1.4	SV-5
DCE	2	1.5 – 290	SV-8
PCE	5	2.5 – 20,000	SV-8
TCE	3	0.28 – 1,400	SV-8

Additionally, as described in Section 2 of this RIR and shown on Plate 2, elevated concentrations of CVOCs and petroleum-related compounds were detected in sub-slab soil vapor and indoor air at the Site during previous investigations completed by Roux and Merritt. Based on a comparison of the PCE, TCE and DCE sub-slab soil vapor and indoor air concentrations to the NYSDOH May 2017 updated matrices, the NYSDOH recommends mitigation to minimize exposures associated with soil vapor intrusion. Additionally, as shown on Plate 2, petroleum-related compounds were detected in SV-1 (in the Site parking lot immediately adjacent to a residential property) and each off-Site soil vapor sample (SV-2 and SV-3) during previous investigations completed by Roux; however, CVOCs were not detected above laboratory reporting limits in soil vapor sample SV-1 and only low-level concentrations of CVOCs (PCE, TCE and carbon tetrachloride) were detected in off-Site soil vapor samples, SV-2 and SV-3. Elevated concentrations of CVOCs were detected in off-Site soil vapor sample SV-8, located adjacent to monitoring well MW-2, which also had elevated detections of these CVOCs in groundwater (see Table 10), and is in close proximity to the former dry cleaners. However, CVOCs detections in soil vapor significantly decrease in concentration in the approximate eastern and southeastern directions (across Laconia Avenue) and northern direction (across E231st Street). Based on the previous investigations and RI data, CVOc impacted soil vapor from the Site does not appear to be migrating off-Site at concentrations that would pose a vapor intrusion concern.

4.3.5 Data Usability Summary and Field Duplicate Results

Data validation was performed as a thorough evaluation of analytical data to determine whether or not the data, as presented, meets the Site-specific criteria for data quality and data use. All laboratory analytical data reports are provided as Appendix D. The DUSRs are provided as Appendix E.

Sample analyses were found generally compliant with the method requirements. Most of the sample data are usable as reported or with minor qualification or edit (“J” or “UJ” qualifier).

4.3.6 CAMP Results

CAMP was conducted during all indoor and outdoor ground intrusive activities. CAMP consisted of one upwind and one downwind station. Each CAMP station included a particulate meter (DustTrak II) and a PID. CAMP reports were provided to the NYSDEC/NYSDOH as attachments to daily field reports throughout the completion of grounding intrusive RI activities (interior and exterior soil boring/monitoring well/soil vapor installation activities). CAMP reports are provided in Appendix F of this RIR. As indicated in the CAMP reports, there were no CAMP VOC exceedances reported during RI activities. Elevated dust readings were recorded on two separate occasions/days from CAMP stations located adjacent to RSB-2 and RMW-6, which were attributed to concrete removal activities at these locations (within the building basement). Work was stopped and water was used to mitigate the dust occurrences. There were no elevated dust readings recorded from the CAMP stations located at the entrance of the basement corridor (ground level) when these elevated readings were recorded.

4.3.7 Soil Waste Characterization Results and Contained-In Determination

Following soil boring and well installation activities, a composite soil sample was collected from all drummed soil/concrete waste and sent to TestAmerica for full waste characterization analyses. Based on the sample results, the drummed waste was classified as non-hazardous waste. On January 5, 2021, Roux, on behalf of Laconia LLC, submitted a request to the NYSDEC, which included the waste characterization analytical report, to manage the soil/concrete waste as a non-listed, non-hazardous waste suitable for off-Site disposal at a permitted waste facility that can accept this waste based on waste characteristics/sample results. The NYSDEC Contained-In Determination approval letter dated January 12, 2021 approving the management of the soil/concrete waste as non-listed, non-hazardous waste is provided in Appendix G. As indicated in Section 3.4, on February 15, 2021, the non-hazardous drummed soil/concrete waste was transported to Republic Environmental Systems (PA) LLC in Hatfield, Pennsylvania for disposal. Waste manifests are provided in Appendix H.

5. Conceptual Site Model

The following section explains the occurrence of contaminant sources and their fate and transport at the Site in the context of the local Site stratigraphy and hydrogeology.

Historical information and previous investigations indicate that the Site was developed with the existing building and parking lot in 1958. Past uses that appear to have led to Site contamination include dry cleaner operations, which used PCE. Four dry cleaners (collectively referred to as the former dry cleaners) operated at the Site in the tenant space identified as 4137 Laconia Avenue, including Jiffy One Hour Cleaners (operated at the Site from approximately 1971 to 1976); Jiffy Quality Cleaners (operated at the Site in 1983); Laconia Cleaners (operated at the Site from approximately 1985 to 2010); and New Laconia Cleaners operated at the Site in 2000. Additionally, off-Site spill investigations and remediation have been completed by others for the adjacent 47th Precinct property located south of the Site, across E 230th St, related to leaking USTs. Based on the soil, groundwater, soil vapor and indoor air results discussed in Section 4.3, soil, groundwater, soil vapor and indoor air are impacted at the Site. The spatial distribution of COCs in various media is shown in Plates 2 through 4.

As discussed in Section 4.3.2, soil at the Site is impacted with some metals and VOCs (notably PCE and petroleum-related VOCs), pesticides and PFAS. However, the majority of these compounds were not detected above CUSCOs and PGWSCOs. PCE was detected in soil at a localized hotspot (RMW-1) at a concentration exceeding NYSDEC UUSCO, CUSCO and PGWSCO from beneath the former dry cleaners basement and trans-1,2-dichloroethene was detected at one location (RMW-6) at a concentration exceeding UUSCO and PGWSCO, which are attributed to dry cleaner chemicals/former operations. Petroleum-related compounds 1,2,4-trimethylbenzene, ethylbenzene and xylenes (total) detected in soil at location RMW-4 are attributed to leaking USTs associated with the 47th Precinct, which is located up gradient from the Site. Pesticides (P,P'-DDT, P,P'-DDD, and P-P'-DDE) were detected in all basement locations and are related to historic fill.

There is no potential for additional releases of dry-cleaning or petroleum products to soil since there is no longer a dry-cleaner operating at the Site and there are no known existing USTs on-Site (the Site uses natural gas for heating/operating purposes).

As discussed in Section 4.3.3 and based on the Site-wide detections and exceedances of NYSDEC AWQSGVs, groundwater at the Site is impacted with VOCs (notably PCE, TCE, and DCE and petroleum-related VOCs), and PFAS. The cross-gradient occurrence of CVOC impacted groundwater appears to be attributed to the removal of bedrock beneath the building during building construction, which created a depression in bedrock that created a partial damming effect that allowed groundwater to flow laterally. Petroleum-related compounds (i.e., BTEX) detected in RMW-4 are attributed to leaking USTs associated with the 47th Precinct and migration of groundwater to the Site. PFOA and PFOS were detected at concentrations exceeding AWQSGVs in Site-wide groundwater samples including upgradient off-Site locations and is attributed to an unknown off-Site source/regional PFAS impacts to groundwater. There were no PFOA or PFOS detections in soil exceeding NYSDEC PGWSCOs or CUSCOs. Groundwater contamination attributed to the Site does not appear to migrate off-Site at elevated concentrations.

As discussed in Section 4.3.4 and based on the Site-wide detections during previous investigations, on-Site soil vapor and indoor air are impacted with VOCs (notably PCE, TCE, DCE, and petroleum-related compounds). These compounds were also detected in off-Site soil vapor sample locations but at significantly lower concentrations, with the exception of SV-8 located in the sidewalk on the western side of Laconia Avenue, in close proximity to the former dry cleaners. Soil vapor was impacted at the Site through inadvertent releases to Site soils and appear to have migrated off-Site; however, off-Site soil vapor may also be impacted by other unknown off-Site sources.

6. Qualitative Exposure Assessment

As described in Appendix 3B of DER-10, “*The overall purpose of the Qualitative Human Health Exposure Assessment (or the exposure assessment) is to evaluate and document how people might be exposed to site related contaminants, and to identify and characterize the potentially exposed population(s) now and under the reasonably anticipated future use of the site.*” The following section details the Qualitative Human Health Exposure Assessment based on data collected during the RI.

6.1 Soil Exposure

As described above in Section 4.3.1, soil samples collected during the RI indicated the presence of metals and VOCs, PFAS and pesticides at concentrations above the NYSDEC UUSCOs, CUSCOs and/or PGWSCOs. An individual could be exposed to these contaminants through direct contact with Site soil during ground intrusive work at the Site. Direct contact without the use of proper personal protective equipment (PPE) and personal hygiene measures could lead to dermal contact and incidental ingestion of these compounds. Potential contact with Site soil is restricted to remedial and construction contract workers at the Site performing ground intrusive activities during the installation of the SSDS per Roux’s NYSDEC-approved IRM Work Plan dated June 26, 2020. The building tenants and general public will not be exposed to direct contact with Site soil since the Site intrusive work will only be conducted in building basements and all work zones will be delineated at times when surficial soil will be exposed. PPE will be required during any intrusive Site work. The only potential for contaminated soil to leave the on-Site work areas is by dust migration and mobilization of soil to storage drums located in the Site Parking Lot for off-Site disposal of soil. However, CAMP will be implemented during intrusive activities to minimize the potential for exposures from soil/dust leaving the work areas or Site. Best management practices will be employed to prevent on-Site soil from being tracked to building floors, staircases, the Site Parking Lot, sidewalks or out into the public right-of-way.

As described in Section 1, there is currently no anticipated redevelopment plan for the Site. The proposed remedy to be described in the RAWP will include addressing impacted soil. Soil excavation for the installation of SSDS subsurface components will be limited to that needed for the SSDS; some soil impacted above SCOs may remain in-place, which will be addressed by the RAWP. After completion of the SSDS, a majority of the SSDS piping will be installed above the basement concrete slab/floor and suction points will be sealed, therefore, the potential for exposure by direct contact with remaining contaminated soil, if any, will be minimized for both the public and any future construction workers performing ground intrusive activities at the Site.

6.2 Groundwater Exposure

As described above in Section 4.3.2, groundwater samples collected during the RI indicated the presence of PFAS, and VOCs (notably PCE, TCE, and DCE and petroleum-related compounds) at concentrations above the NYSDEC AWQSGVs. Odor was observed in groundwater at monitoring wells RMW-1, RMW-4, and MW-9R. Based on the groundwater data collected in the sidewalk on the eastern side of Laconia Avenue during previous investigations and the RI and in the sidewalk on the northern side of E231st Street during the RI, groundwater contamination attributed to the Site does not appear to migrate off-Site at elevated concentrations.

Groundwater is not used for drinking or other potable purposes (the area is connected to the public water supply), and there is no direct contact with or ingestion of groundwater by the general public from existing

neighboring residential, community and commercial uses. CAMP will be implemented during intrusive activities to minimize the potential for on-Site and off-Site exposures from vapors potentially volatilizing from contaminated groundwater. Furthermore, no public water supply wells are located in the area surrounding the Site.

Individuals who perform intrusive work (i.e., utility construction and/or repair), perform groundwater sampling or remedial activities may come into contact with contaminated groundwater. Proper PPE and personal hygiene measures will be required to prevent dermal contact and the potential for incidental ingestion of these compounds.

The proposed remedy to address contaminants in Site groundwater will be described in the RAWP. Based on this, the potential for public exposure by direct contact with contaminated groundwater will be reduced or eliminated.

6.3 Soil Vapor Exposure

As described above in Section 4.3.3, soil vapor samples collected during previous investigations and during the RI indicated the presence of CVOCs and petroleum-related VOCs in soil vapor and indoor air throughout the Site and soil vapor at three off-Site locations. There is known vapor intrusion into on-Site buildings however, the SSDS included in the NYSDEC-approved IRM Work Plan will ensure there will be neither a source nor pathways for migration. Based on the previous investigations and RI data, CVOC impacted soil vapor from the Site does not appear to be migrating off-Site at concentrations that would pose a vapor intrusion concern. Additionally, CAMP will be implemented during all intrusive activities to minimize the potential for on-Site and off-Site exposure from potentially contaminated soil vapor and a roaming PID will be used to monitor work safety during all invasive activities. Vapor/odor suppression may be needed during excavations, if any, within the area of observed odors and elevated PID readings (former dry cleaners basement, former Margaritas' basement, Grocery and Deli basement); however, based on the RI and previous investigation work completed at the Site, VOCs exceeding action levels in ambient air is not anticipated. Based on this, the potential for public exposure to contaminated soil vapor will be reduced or eliminated.

6.4 Exposure Assessment Summary

The following table summarizes the exposure assessment.

Environmental Media and Exposure Route	Human Exposure Assessment
Direct contact with subsurface soils (and incidental ingestion)	• Demolition, construction and remedial contractors can come into contact with soil if they complete ground intrusive work at the Site. • During remediation, remedial workers, trespassers, passers-by, and utility workers could come into contact with contaminated soil contained in dust through inhalation, incidental ingestion and dermal contact. • Future exposure will be eliminated through addressing contaminated soil in the RAWP. • Proper PPE and personal hygiene will be required during ground intrusive Site work. • Water will be used to wet excavations to minimize the generation of dust.

Environmental Media and Exposure Route	Human Exposure Assessment
Ingestion of groundwater	Contaminated groundwater is not used for drinking water, as the Site is connected to the public water supply.
Direct contact with groundwater (and incidental ingestion)	- Remedial workers, trespassers, and utility workers could come into contact with contaminated groundwater through dermal contact and incidental ingestion during ground intrusive work, and groundwater remediation and sampling activities. - Offsite utility workers could come into contact with contaminated groundwater through dermal contact and incidental ingestion during ground intrusive work. - Future exposure will be reduced or eliminated by addressing groundwater contamination in the RAWP. - Proper PPE and personal hygiene will be required during ground intrusive work and groundwater remediation and sampling activities at the Site.
Inhalation of air (exposures related to soil vapor intrusion)	- Remedial workers, trespassers, and utility workers may be exposed to contaminated soil vapor within open excavations. - Future exposure will be reduced or eliminated with the installation of a full-scale SSDS addressing soil vapor contamination in accordance with the NYSDEC-approved IRM Work Plan. - CAMP will be conducted during ground intrusive Site work to monitor air quality.

7. Conclusions

As indicated in this RIR, CVOCs (on-Site source) and petroleum-related compounds (off-Site source) are the COCs at the Site. CVOC impacted groundwater, soil and soil vapor/indoor air exist at the Site and are attributed to the former dry cleaners operations. There does not appear to be a significant migration of CVOC-impacted groundwater and soil vapor migrating off-Site beyond the western side of Laconia Avenue sidewalk. The nature and extent of COC contamination has been delineated and additional investigations are not warranted as sufficient data has been collected to design a remedial approach for the Site.

The remediation of CVOC impacted soil located beneath the former dry cleaners' basement and groundwater will be addressed in the RAWP. Additionally, on-Site soil vapor intrusion concerns will be addressed by the installation and operation of a full-scale on-Site SSDS, which will be installed beneath the existing buildings, in accordance with the NYSDEC-approved IRM Work Plan.

TABLES

1. Groundwater Monitoring Well and Soil Vapor Monitoring Point Construction Details
2. Groundwater Monitoring Well Gauging Data – November 30, 2020
3. Bedrock Elevation Data
4. Summary of Volatile Organic Compounds in Soil
5. Summary of Semivolatile Organic Compounds in Soil
6. Summary of Metals in Soil
7. Summary of Polychlorinated Biphenyl Compounds in Soil
8. Summary of Pesticides in Soil
9. Summary of Per- and Polyfluoroalkyl Substances in Soil
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12. Summary of Metals in Groundwater
13. Summary of Polychlorinated Biphenyl Compounds in Groundwater
14. Summary of Pesticides in Groundwater
15. Summary of Emergent Contaminants in Groundwater
16. Summary of Volatile Organic Compounds in Soil Vapor

Notes Utilized Throughout Tables	
Soil Tables	
J -	Estimated value
U -	Indicates that the compound was analyzed for but not detected
B -	The analyte was found in an associated blank as well as in the sample
P -	The RPD between the results for the two columns exceeds the method-specified criteria
RPD -	Relative Percent Difference
T -	Indicates that a quality control parameter has exceeded laboratory limits
ft bls -	Feet below land surface
FD -	Duplicate sample
µg/kg -	Micrograms per kilogram
mg/kg -	Milligrams per kilogram
NYSDEC -	New York State Department of Environmental Conservation
SCO -	Soil Cleanup Objectives
--	No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO	
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO	
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO	
Emerging Contaminants (Per- and Polyfluoroalkyl Substances)	
Bold data indicates that parameter exceeded the NYSDEC Unrestricted Use Guidance Values	
Shaded data indicates that parameter exceeded the NYSDEC Commercial Guidance Values	
Red data indicates that parameter exceeded the NYSDEC Protection of Groundwater Guidance Values	
Undetected results reflect Minimum Detection Limits	
Groundwater Tables	
J -	Estimated Value
U -	Compound was analyzed for but not detected
P -	The RPD between the results for the two columns exceeds the method-specified criteria
RPD -	Relative Percent Difference
T -	Indicates that a quality control parameter has exceeded laboratory limits
FD -	Duplicate
µg/L -	Micrograms per liter
ng/L -	Nanogram per liter
NYSDEC -	New York State Department of Environmental Conservation
AWQSGVs -	Ambient Water-Quality Standards and Guidance Values
--	No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs	
Emerging Contaminants (Per- and Polyfluoroalkyl Substances and 1,4-Dioxane)	
Bold data indicates that parameter exceeded the NYSDEC Drinking Water Maximum Contaminant Levels (MCL)	
Undetected results reflect Minimum Detection Limits	
Soil Vapor/Ambient Air	
J -	Estimated value
U -	Indicates that the compound was analyzed for but not detected
D -	A secondary analysis after dilution due to exceedance of the calibration range in the original sample.
ug/m3 -	Micrograms per cubic meter
Bold data indicates that parameter was detected	

Table 1. Groundwater Monitoring Well and Soil Vapor Point Construction Details - 4125-4149 Laconia Avenue, Bronx, New York

Monitoring Well / Soil Vapor Point	Installation Date	Surface Elevation (ft NAVD88)	Top of Well Pipe Elevation (ft NAVD88)	Sample Screen Material	Sample Screen Interval (ft bcs* or ft bls**)	Sample Screen Interval (ft NAVD88)	Comments
RMW-1	11/16/2020	92.59	92.38	20- slot PVC	2 - 3.5*	90.59 - 88.88	
RMW-2	11/11/2020	101.53	101.30	20- slot PVC	15 - 25**	86.53 - 76.53	Screened within bedrock
RMW-3	11/11/2020	104.29	103.92	20- slot PVC	10 - 20**	94.29 - 84.29	Screened within bedrock
RMW-4	11/17/2020	93.02	92.79	20- slot PVC	2 - 4*	91.02 - 89.02	
RMW-5	11/17/2020	92.88	92.67	20- slot PVC	2 - 4*	90.88 - 88.88	
RMW-6	11/17/2020	91.28	91.07	20- slot PVC	1 - 2*	90.28 - 89.28	
RMW-7	11/17/2020	91.26	91.03	20- slot PVC	0.8 - 1.8*	90.46 - 89.46	
RMW-8	11/13/2020	99.86	99.58	20- slot PVC	10 - 17**	89.86 - 82.86	
RMW-9	11/10/2020	99.76	99.56	20- slot PVC	9 - 19**	90.76 - 80.76	
RMW-10	11/12/2020	99.15	98.88	20- slot PVC	7 - 17**	92.15 - 82.15	
SV-4	11/13/2020	99.70	-	SS Mess	4.5 - 5**	95.20 - 94.70	Installed approximately 1 ft above observed perched water
SV-5	11/10/2020	100.77	-	SS Mess	9.5 - 10**	91.27 - 90.77	Installed approximately 1-2 ft above groundwater
SV-6	11/12/2020	99.16	-	SS Mess	6.5 - 7**	92.66 - 92.16	Installed approximately 1-2 ft above groundwater
SV-7	4/29/2021	99.76	-	SS Mess	7.5 - 8**	92.26 - 91.76	Installed approximately 1-2 ft above groundwater
SV-8	4/29/2021	100.11	-	SS Mess	7.5 - 8**	92.61 - 92.11	Installed approximately 1-2 ft above groundwater

ft bcs - Feet below concrete slab

ft bls - Feet below land surface

ft NAVD88 - Feet relative to North American Vertical Datum of 1988

PVC - Polyvinyl chloride

SS - Stainless Steel (6-inch length)

Table 2. Groundwater Gauging Data - 4125-4149 Laconia Avenue, Bronx, New York

Monitoring Well	Date	Measuring Point Elevation* (ft NAVD88)	Depth to Product (ft bls)	Depth To Water (ft bls)	Groundwater Elevation (ft NAVD88)	Comments
RMW-1	11/30/2020	92.38	-	1.78	90.60	
RMW-2**	11/30/2020	101.30	-	8.35	92.95	Potentiometric surface of bedrock groundwater
RMW-3**	11/30/2020	103.92	-	7.32	96.60	Potentiometric surface of bedrock groundwater
RMW-4	11/30/2020	92.79	-	0.79	92.00	
RMW-5	11/30/2020	92.67	-	1.05	91.62	
RMW-6	11/30/2020	91.07	-	0.42	90.65	
RMW-7	11/30/2020	91.03	-	0.35	90.68	
RMW-8	11/30/2020	99.58	-	8.95	90.63	
RMW-9	11/30/2020	99.56	-	10.24	89.32	
RMW-10	11/30/2020	98.88	-	8.90	89.98	
MW-1	11/30/2020	99.73	-	9.40	90.33	
MW-2	11/30/2020	99.85	-	9.60	90.25	
MW-3	11/30/2020	100.60	-	10.12	90.48	
MW-9R	11/30/2020	102.20	-	10.02	92.18	

ft - Feet

ft bls - Feet below land surface

ft NAVD88 - Feet relative to North American Vertical Datum of 1988

* - Top of monitoring well pipe elevation

** - Bedrock well

Table 3. Bedrock Elevations - 4125-4149 Laconia Avenue, Bronx, New York

Soil Boring / Monitoring Well	Survey Date	Measuring Point Elevation* (ft NAVD88)	Approximate Depth To Bedrock (ft bls)	Approximate Bedrock Elevation (ft NAVD88)	Comments
RMW-1	11/30/2020	92.59	3.50	89.09	
RMW-2**	11/30/2020	101.53	10.00	91.53	
RMW-3**	11/30/2020	104.29	8.00	96.29	
RMW-4	11/30/2020	93.02	4.00	89.02	
RMW-5	11/30/2020	92.88	4.00	88.88	
RMW-6	11/30/2020	91.28	2.00	89.28	
RMW-7	11/30/2020	91.26	1.80	89.46	
RMW-8	11/30/2020	99.86	17.00	82.86	
RMW-9	11/30/2020	99.76	NM	NM	Bedrock was not encountered during RI.
RMW-10	11/30/2020	99.15	22.50	76.65	
RSB-1	11/30/2020	92.60	3.50	89.10	
RSB-2	11/30/2020	92.20	3.50	88.70	
RSB-3	11/30/2020	92.61	3.50	89.11	
RSB-4	11/30/2020	92.63	3.50	89.13	
RSB-5	11/30/2020	92.56	3.50	89.06	
RSB-6	11/30/2020	92.62	3.50	89.12	
RSB-7	11/30/2020	106.46	13.00	93.46	
RSB-8	11/30/2020	105.65	5.00	100.65	
MW-1	11/30/2020	100.00	9.00	91.00	DTBR based on Merritt CDI Report dated January 2019
MW-2	11/30/2020	100.11	9.00	91.11	DTBR based on Merritt CDI Report dated January 2019
MW-3	11/30/2020	100.88	9.00	91.88	DTBR based on Merritt CDI Report dated January 2019
MW-9R	11/30/2020	102.20	NM	NM	Per AECOM, MW-9R is an overburden well screened from 5-18 ft bls.

ft bls - Feet below land surface

ft NAVD88 - Feet relative to North American Vertical Datum of 1988

DTBR - Depth to bedrock

* - Surface elevation in ft NAVD88

** - Bedrock well

Table 4. Summary of Volatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

					Sample Designation:	RMW-1	RMW-2	RMW-2	RMW-2	RMW-3
					Sample Date:	11/16/2020	11/09/2020	11/09/2020	11/10/2020	11/09/2020
					Sample Depth (ft bls):	1 - 3	0 - 2	0 - 2	8 - 10	0 - 2
					Normal Sample or Field Duplicate:	N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units						
1,1,1-Trichloroethane (TCA)	0.68	500	0.68	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
1,1,2-Trichloroethane	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
1,1-Dichloroethane	0.27	240	0.27	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
1,1-Dichloroethene	0.33	500	0.33	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
1,2,3-Trichlorobenzene	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
1,2,4-Trichlorobenzene	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
1,2,4-Trimethylbenzene	3.6	190	3.6	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
1,2-Dichlorobenzene	1.1	500	1.1	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
1,2-Dichloroethane	0.02	30	0.02	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
1,2-Dichloropropane	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
1,3,5-Trimethylbenzene (Mesitylene)	8.4	190	8.4	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
1,3-Dichlorobenzene	2.4	280	2.4	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
1,4-Dichlorobenzene	1.8	130	1.8	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
2-Hexanone	--	--	--	MG/KG	13 U	0.0071 U	0.0066 U	0.0045 U	0.0068 U	
Acetone	0.05	500	0.05	MG/KG	13 U	0.012	0.0097	0.0072	0.0081 U	
Benzene	0.06	44	0.06	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
Bromochloromethane	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
Bromodichloromethane	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
Bromoform	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
Bromomethane	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
Carbon Disulfide	--	--	--	MG/KG	2.7 U	0.001 J	0.0004 J	0.001	0.0014 U	
Carbon Tetrachloride	0.76	22	0.76	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
Chlorobenzene	1.1	500	1.1	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
Chloroethane	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
Chloroform	0.37	350	0.37	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
Chloromethane	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U	
Cis-1,2-Dichloroethylene	0.25	500	0.25	MG/KG	2.7 U	0.0015	0.0017	0.00091 U	0.0014 U	

Table 4. Summary of Volatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RMW-1	RMW-2	RMW-2	RMW-2	RMW-3
Sample Date:					11/16/2020	11/09/2020	11/09/2020	11/10/2020	11/09/2020
Sample Depth (ft bls):					1 - 3	0 - 2	0 - 2	8 - 10	0 - 2
Normal Sample or Field Duplicate:					N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Cis-1,3-Dichloropropene	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
Cyclohexane	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
Dibromochloromethane	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
Dichlorodifluoromethane	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
Ethylbenzene	1	390	1	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
m,p-Xylene	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
Methyl Acetate	--	--	--	MG/KG	13 U	0.0071 U	0.0066 U	0.0045 U	0.0068 U
Methyl Ethyl Ketone (2-Butanone)	0.12	500	0.12	MG/KG	13 U	0.0071 U	0.0066 U	0.0045 U	0.0068 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	13 U	0.0071 U	0.0066 U	0.0045 U	0.0068 U
Methylcyclohexane	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
Methylene Chloride	0.05	500	0.05	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
N-Butylbenzene	12	500	12	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
N-Propylbenzene	3.9	500	3.9	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
Sec-Butylbenzene	11	500	11	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
Styrene	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
T-Butylbenzene	5.9	500	5.9	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
Tert-Butyl Methyl Ether	0.93	500	0.93	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
Tetrachloroethylene (PCE)	1.3	150	1.3	MG/KG	880	0.049	0.059	0.0039	0.0014 U
Toluene	0.7	500	0.7	MG/KG	2.7 U	0.00042 J	0.0013 U	0.00091 U	0.0014 U
Trans-1,2-Dichloroethene	0.19	500	0.19	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
Trans-1,3-Dichloropropene	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
Trichloroethylene (TCE)	0.47	200	0.47	MG/KG	2.7 U	0.004	0.0049	0.00036 J	0.0014 U
Trichlorofluoromethane	--	--	--	MG/KG	2.7 U	0.0014 U	0.0013 U	0.00091 U	0.0014 U
Vinyl Chloride	0.02	13	0.02	MG/KG	2.7 UT	0.0014 U	0.0013 U	0.00091 U	0.0014 U
Xylenes	0.26	500	1.6	MG/KG	5.3 U	0.0028 U	0.0027 U	0.0018 U	0.0027 U

Table 4. Summary of Volatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

					Sample Designation:	RMW-3	RMW-4	RMW-5	RMW-6	RMW-7
					Sample Date:	11/10/2020	11/17/2020	11/17/2020	11/17/2020	11/17/2020
					Sample Depth (ft bls):	6 - 8	1 - 3	1 - 3	0 - 1	0 - 1
					Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units						
1,1,1-Trichloroethane (TCA)	0.68	500	0.68	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
1,1-Dichloroethane	0.27	240	0.27	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
1,1-Dichloroethene	0.33	500	0.33	MG/KG	0.001 U	0.11 U	0.0016 U	0.00043 J	0.0011 U	0.0011 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
1,2,4-Trimethylbenzene	3.6	190	3.6	MG/KG	0.001 U	16	0.0016 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dichlorobenzene	1.1	500	1.1	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dichloroethane	0.02	30	0.02	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
1,2-Dichloropropane	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	190	8.4	MG/KG	0.001 U	4.6	0.0016 U	0.0011 U	0.0011 U	0.0011 U
1,3-Dichlorobenzene	2.4	280	2.4	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
1,4-Dichlorobenzene	1.8	130	1.8	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
2-Hexanone	--	--	--	MG/KG	0.0051 U	0.57 U	0.0078 U	0.0054 U	0.0056 U	0.0056 U
Acetone	0.05	500	0.05	MG/KG	0.0061 U	0.57 U	0.0094 U	0.019	0.032	0.032
Benzene	0.06	44	0.06	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
Bromochloromethane	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
Bromodichloromethane	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
Bromoform	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
Bromomethane	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 UT
Carbon Disulfide	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0005 J	0.00059 J	0.00059 J
Carbon Tetrachloride	0.76	22	0.76	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
Chlorobenzene	1.1	500	1.1	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
Chloroethane	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
Chloroform	0.37	350	0.37	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
Chloromethane	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	500	0.25	MG/KG	0.001 U	0.11 U	0.0016 U	0.14	0.0016	0.0016

Table 4. Summary of Volatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RMW-3	RMW-4	RMW-5	RMW-6	RMW-7
Sample Date:					11/10/2020	11/17/2020	11/17/2020	11/17/2020	11/17/2020
Sample Depth (ft bls):					6 - 8	1 - 3	1 - 3	0 - 1	0 - 1
Normal Sample or Field Duplicate:					N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U
Cyclohexane	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U
Dibromochloromethane	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U
Ethylbenzene	1	390	1	MG/KG	0.001 U	3.9	0.0016 U	0.0011 U	0.0011 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.001 U	0.59	0.0016 U	0.0011 U	0.0011 U
m,p-Xylene	--	--	--	MG/KG	0.001 U	11	0.0016 U	0.0011 U	0.00039 J
Methyl Acetate	--	--	--	MG/KG	0.0051 U	0.57 U	0.0078 U	0.0054 U	0.0056 U
Methyl Ethyl Ketone (2-Butanone)	0.12	500	0.12	MG/KG	0.0051 U	0.57 U	0.0078 U	0.0054 U	0.0056 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.0051 U	0.57 U	0.0078 U	0.0054 U	0.0056 U
Methylcyclohexane	--	--	--	MG/KG	0.001 U	1	0.0016 U	0.0011 U	0.0011 U
Methylene Chloride	0.05	500	0.05	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0055
N-Butylbenzene	12	500	12	MG/KG	0.001 U	1	0.0016 U	0.0011 U	0.0011 U
N-Propylbenzene	3.9	500	3.9	MG/KG	0.001 U	2.6	0.0016 U	0.0011 U	0.0011 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.001 U	4.9	0.0016 U	0.0011 U	0.0011 U
Sec-Butylbenzene	11	500	11	MG/KG	0.001 U	0.29	0.0016 U	0.0011 U	0.0011 U
Styrene	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U
T-Butylbenzene	5.9	500	5.9	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U
Tert-Butyl Methyl Ether	0.93	500	0.93	MG/KG	0.001 U	0.11 U	0.0016 U	0.00094 J	0.0011 U
Tetrachloroethylene (PCE)	1.3	150	1.3	MG/KG	0.001 U	0.11 U	0.00067 J	0.0045	0.0067 T
Toluene	0.7	500	0.7	MG/KG	0.001 U	0.27	0.0016 U	0.0011 U	0.00042 J
Trans-1,2-Dichloroethene	0.19	500	0.19	MG/KG	0.001 U	0.11 U	0.0016 U	0.21	0.00031 J
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U
Trichloroethylene (TCE)	0.47	200	0.47	MG/KG	0.001 U	0.11 U	0.0016 U	0.0039	0.003
Trichlorofluoromethane	--	--	--	MG/KG	0.001 U	0.11 U	0.0016 U	0.0011 U	0.0011 U
Vinyl Chloride	0.02	13	0.02	MG/KG	0.001 U	0.11 U	0.0016 U	0.0035	0.0011 U
Xylenes	0.26	500	1.6	MG/KG	0.002 U	16	0.0031 U	0.0022 U	0.0023 U

Table 4. Summary of Volatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

					Sample Designation:	RSB-1	RSB-2	RSB-3	RSB-4	RSB-5
					Sample Date:	11/16/2020	11/16/2020	11/16/2020	11/16/2020	11/16/2020
					Sample Depth (ft bls):	1 - 3	1 - 3	1 - 3	1 - 3	1 - 3
					Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units						
1,1,1-Trichloroethane (TCA)	0.68	500	0.68	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
1,1-Dichloroethane	0.27	240	0.27	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
1,1-Dichloroethene	0.33	500	0.33	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
1,2,4-Trimethylbenzene	3.6	190	3.6	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
1,2-Dichlorobenzene	1.1	500	1.1	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
1,2-Dichloroethane	0.02	30	0.02	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
1,2-Dichloropropane	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
1,3,5-Trimethylbenzene (Mesitylene)	8.4	190	8.4	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
1,3-Dichlorobenzene	2.4	280	2.4	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
1,4-Dichlorobenzene	1.8	130	1.8	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
2-Hexanone	--	--	--	MG/KG	0.0078 U	0.008 U	0.0061 U	0.0054 U	0.0053 U	
Acetone	0.05	500	0.05	MG/KG	0.045	0.033	0.028	0.0099	0.0063 U	
Benzene	0.06	44	0.06	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
Bromochloromethane	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
Bromodichloromethane	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
Bromoform	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
Bromomethane	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
Carbon Disulfide	--	--	--	MG/KG	0.0035	0.003	0.0022	0.0011 U	0.0011 U	
Carbon Tetrachloride	0.76	22	0.76	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
Chlorobenzene	1.1	500	1.1	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
Chloroethane	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
Chloroform	0.37	350	0.37	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
Chloromethane	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U	
Cis-1,2-Dichloroethylene	0.25	500	0.25	MG/KG	0.0034	0.0036	0.0068	0.0011 U	0.0023	

Table 4. Summary of Volatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RSB-1	RSB-2	RSB-3	RSB-4	RSB-5
Sample Date:					11/16/2020	11/16/2020	11/16/2020	11/16/2020	11/16/2020
Sample Depth (ft bls):					1 - 3	1 - 3	1 - 3	1 - 3	1 - 3
Normal Sample or Field Duplicate:					N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
Cyclohexane	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
Dibromochloromethane	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
Ethylbenzene	1	390	1	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
m,p-Xylene	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
Methyl Acetate	--	--	--	MG/KG	0.0078 U	0.008 U	0.0061 U	0.0054 U	0.0053 U
Methyl Ethyl Ketone (2-Butanone)	0.12	500	0.12	MG/KG	0.0078 U	0.0051 J	0.0061 U	0.0054 U	0.0053 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.0078 U	0.008 U	0.0061 U	0.0054 U	0.0053 U
Methylcyclohexane	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
Methylene Chloride	0.05	500	0.05	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
N-Butylbenzene	12	500	12	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
N-Propylbenzene	3.9	500	3.9	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
Sec-Butylbenzene	11	500	11	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
Styrene	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
T-Butylbenzene	5.9	500	5.9	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
Tert-Butyl Methyl Ether	0.93	500	0.93	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	150	1.3	MG/KG	0.11	0.07	0.043	0.45	0.052
Toluene	0.7	500	0.7	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	500	0.19	MG/KG	0.0022	0.0055	0.0042	0.0011 U	0.0004 J
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
Trichloroethylene (TCE)	0.47	200	0.47	MG/KG	0.0094	0.0051	0.045	0.0017	0.004
Trichlorofluoromethane	--	--	--	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
Vinyl Chloride	0.02	13	0.02	MG/KG	0.0016 U	0.0016 U	0.0012 U	0.0011 U	0.0011 U
Xylenes	0.26	500	1.6	MG/KG	0.0031 U	0.0032 U	0.0025 U	0.0022 U	0.0021 U

Table 4. Summary of Volatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

					Sample Designation:	RSB-6	RSB-7	RSB-7	RSB-8	RSB-8
					Sample Date:	11/16/2020	11/09/2020	11/10/2020	11/09/2020	11/09/2020
					Sample Depth (ft bls):	1 - 3	0 - 2	11 - 13	0 - 2	3 - 5
					Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units						
1,1,1-Trichloroethane (TCA)	0.68	500	0.68	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
1,1-Dichloroethane	0.27	240	0.27	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
1,1-Dichloroethene	0.33	500	0.33	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
1,2,4-Trimethylbenzene	3.6	190	3.6	MG/KG	0.0012 U	0.00045 J	0.0011 U	0.0014 U	0.0013 U	
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
1,2-Dichlorobenzene	1.1	500	1.1	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
1,2-Dichloroethane	0.02	30	0.02	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
1,2-Dichloropropane	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
1,3,5-Trimethylbenzene (Mesitylene)	8.4	190	8.4	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
1,3-Dichlorobenzene	2.4	280	2.4	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
1,4-Dichlorobenzene	1.8	130	1.8	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
2-Hexanone	--	--	--	MG/KG	0.006 U	0.0077 U	0.0053 U	0.0069 U	0.0066 U	
Acetone	0.05	500	0.05	MG/KG	0.029	0.071	0.0065	0.0083 U	0.0079 U	
Benzene	0.06	44	0.06	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
Bromochloromethane	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
Bromodichloromethane	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
Bromoform	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
Bromomethane	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
Carbon Disulfide	--	--	--	MG/KG	0.0022	0.0015	0.0011 U	0.0014 U	0.0013 U	
Carbon Tetrachloride	0.76	22	0.76	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
Chlorobenzene	1.1	500	1.1	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
Chloroethane	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 UT	
Chloroform	0.37	350	0.37	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
Chloromethane	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U	
Cis-1,2-Dichloroethylene	0.25	500	0.25	MG/KG	0.0023	0.0015 U	0.0011 U	0.0014 U	0.0013 U	

Table 4. Summary of Volatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RSB-6	RSB-7	RSB-7	RSB-8	RSB-8
Sample Date:					11/16/2020	11/09/2020	11/10/2020	11/09/2020	11/09/2020
Sample Depth (ft bls):					1 - 3	0 - 2	11 - 13	0 - 2	3 - 5
Normal Sample or Field Duplicate:					N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U
Cyclohexane	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U
Dibromochloromethane	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U
Ethylbenzene	1	390	1	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U
m,p-Xylene	--	--	--	MG/KG	0.0012 U	0.00077 J	0.0011 U	0.0014 U	0.0013 U
Methyl Acetate	--	--	--	MG/KG	0.006 U	0.0077 U	0.0053 U	0.0069 U	0.0066 U
Methyl Ethyl Ketone (2-Butanone)	0.12	500	0.12	MG/KG	0.0034 J	0.012	0.0053 U	0.0069 U	0.0066 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.006 U	0.0077 U	0.0053 U	0.0069 U	0.0066 U
Methylcyclohexane	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U
Methylene Chloride	0.05	500	0.05	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U
N-Butylbenzene	12	500	12	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U
N-Propylbenzene	3.9	500	3.9	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0012 U	0.0007 J	0.0011 U	0.0014 U	0.0013 U
Sec-Butylbenzene	11	500	11	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U
Styrene	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U
T-Butylbenzene	5.9	500	5.9	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U
Tert-Butyl Methyl Ether	0.93	500	0.93	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U
Tetrachloroethylene (PCE)	1.3	150	1.3	MG/KG	0.067	0.0015 U	0.0011 U	0.0014 U	0.0013 U
Toluene	0.7	500	0.7	MG/KG	0.0012 U	0.0011 J	0.0011 U	0.0014 U	0.0013 U
Trans-1,2-Dichloroethene	0.19	500	0.19	MG/KG	0.0017	0.0015 U	0.0011 U	0.0014 U	0.0013 U
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U
Trichloroethylene (TCE)	0.47	200	0.47	MG/KG	0.01	0.0015 U	0.0011 U	0.0014 U	0.0013 U
Trichlorofluoromethane	--	--	--	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U
Vinyl Chloride	0.02	13	0.02	MG/KG	0.0012 U	0.0015 U	0.0011 U	0.0014 U	0.0013 U
Xylenes	0.26	500	1.6	MG/KG	0.0024 U	0.0015 J	0.0021 U	0.0028 U	0.0026 U

Table 5. Summary of Semivolatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RMW-1	RMW-2	RMW-2	RMW-2	RMW-3
Sample Date:					11/16/2020	11/09/2020	11/09/2020	11/10/2020	11/09/2020
Sample Depth (ft bls):					1 - 3	0 - 2	0 - 2	8 - 10	0 - 2
Normal Sample or Field Duplicate:					N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
1,4-Dioxane (P-Dioxane)	0.1	130	0.1	MG/KG	0.11 U	0.11 U	0.11 U	0.13 U	0.11 U
2,3,4,6-Tetrachlorophenol	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.15 U	0.15 U	0.15 U	0.18 U	0.15 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.15 U	0.15 U	0.15 U	0.18 U	0.15 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.3 U	0.29 U	0.29 U	0.36 U	0.3 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.076 U	0.074 U	0.073 U	0.09 U	0.075 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.076 U	0.074 U	0.073 U	0.09 U	0.075 U
2-Chloronaphthalene	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
2-Chlorophenol	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
2-Methylnaphthalene	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.037 BJ	0.37 U
2-Methylphenol (O-Cresol)	0.33	500	0.33	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
2-Nitroaniline	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
2-Nitrophenol	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.15 U	0.15 U	0.15 U	0.18 U	0.15 U
3-Nitroaniline	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.3 U	0.29 U	0.29 U	0.36 U	0.3 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
4-Chloroaniline	--	--	--	MG/KG	0.37 U	0.36 UT	0.36 UT	0.45 U	0.37 UT
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
4-Methylphenol (P-Cresol)	0.33	500	0.33	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
4-Nitroaniline	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
4-Nitrophenol	--	--	--	MG/KG	0.76 U	0.74 U	0.73 U	0.9 U	0.75 U
Acenaphthene	20	500	98	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
Acenaphthylene	100	500	107	MG/KG	0.37 U	0.016 J	0.036 J	0.45 U	0.017 J
Acetophenone	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
Anthracene	100	500	1000	MG/KG	0.37 U	0.027 J	0.045 J	0.45 U	0.37 U
Atrazine	--	--	--	MG/KG	0.15 UT	0.15 U	0.15 U	0.18 U	0.15 U

Table 5. Summary of Semivolatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RMW-1	RMW-2	RMW-2	RMW-2	RMW-3
Sample Date:					11/16/2020	11/09/2020	11/09/2020	11/10/2020	11/09/2020
Sample Depth (ft bls):					1 - 3	0 - 2	0 - 2	8 - 10	0 - 2
Normal Sample or Field Duplicate:					N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Benzaldehyde	--	--	--	MG/KG	0.37 UT	0.36 U	0.36 U	0.45 U	0.37 U
Benzo(A)Anthracene	1	5.6	1	MG/KG	0.02 J	0.14	0.31	0.045 U	0.12
Benzo(A)Pyrene	1	1	22	MG/KG	0.022 JT	0.2	0.43	0.045 U	0.16
Benzo(B)Fluoranthene	1	5.6	1.7	MG/KG	0.025 J	0.34	0.66	0.045 U	0.23
Benzo(G,H,I)Perylene	100	500	1000	MG/KG	0.37 U	0.098 J	0.17 J	0.45 U	0.077 J
Benzo(K)Fluoranthene	0.8	56	1.7	MG/KG	0.0092 J	0.11	0.19	0.045 U	0.089
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.033 J	0.36 U	0.36 U	0.45 U	0.37 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.037 U	0.036 U	0.036 U	0.045 U	0.037 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.69	0.36 U	0.024 J	0.45 U	0.37 U
Caprolactam	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
Carbazole	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
Chrysene	1	56	1	MG/KG	0.015 J	0.17 J	0.37	0.45 U	0.14 J
Cresols, M & P	0.33	500	0.33	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
Dibenz(A,H)Anthracene	0.33	0.56	1000	MG/KG	0.037 U	0.028 J	0.052	0.045 U	0.021 J
Dibenzofuran	7	350	210	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
Diethyl Phthalate	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
Dimethyl Phthalate	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
Fluoranthene	100	500	1000	MG/KG	0.024 J	0.26 J	0.55	0.45 U	0.21 J
Fluorene	30	500	386	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
Hexachlorobenzene	0.33	6	3.2	MG/KG	0.037 U	0.036 U	0.036 U	0.045 U	0.037 U
Hexachlorobutadiene	--	--	--	MG/KG	0.076 U	0.074 U	0.073 U	0.09 U	0.075 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
Hexachloroethane	--	--	--	MG/KG	0.037 U	0.036 U	0.036 U	0.045 U	0.037 U
Indeno(1,2,3-C,D)Pyrene	0.5	5.6	8.2	MG/KG	0.037 U	0.098	0.21	0.045 U	0.074
Isophorone	--	--	--	MG/KG	0.15 U	0.15 U	0.15 U	0.18 U	0.15 U
Naphthalene	12	500	12	MG/KG	0.37 U	0.36 U	0.022 J	0.22 BJ	0.37 U

Table 5. Summary of Semivolatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RMW-1	RMW-2	RMW-2	RMW-2	RMW-3
Sample Date:					11/16/2020	11/09/2020	11/09/2020	11/10/2020	11/09/2020
Sample Depth (ft bls):					1 - 3	0 - 2	0 - 2	8 - 10	0 - 2
Normal Sample or Field Duplicate:					N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Nitrobenzene	--	--	--	MG/KG	0.037 U	0.036 U	0.036 U	0.045 U	0.037 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.037 U	0.036 U	0.036 U	0.045 U	0.037 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.3 U	0.29 U	0.29 U	0.36 U	0.3 U
Phenanthrene	100	500	1000	MG/KG	0.023 J	0.081 J	0.14 J	0.45 U	0.058 J
Phenol	0.33	500	0.33	MG/KG	0.37 U	0.36 U	0.36 U	0.45 U	0.37 U
Pyrene	100	500	1000	MG/KG	0.03 J	0.23 J	0.49	0.45 U	0.17 J

Table 5. Summary of Semivolatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RMW-3	RMW-4	RMW-5	RMW-6	RMW-7
Sample Date:					11/10/2020	11/17/2020	11/17/2020	11/17/2020	11/17/2020
Sample Depth (ft bls):					6 - 8	1 - 3	1 - 3	0 - 1	0 - 1
Normal Sample or Field Duplicate:					N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
1,4-Dioxane (P-Dioxane)	0.1	130	0.1	MG/KG	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U
2,3,4,6-Tetrachlorophenol	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.15 U	0.15 U	0.15 U	0.16 U	0.16 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.15 U	0.15 U	0.15 U	0.16 U	0.16 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.3 U	0.3 U	0.3 U	0.32 U	0.31 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.075 U	0.076 U	0.076 U	0.08 U	0.079 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.075 U	0.076 U	0.076 U	0.08 U	0.079 U
2-Chloronaphthalene	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
2-Chlorophenol	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
2-Methylnaphthalene	--	--	--	MG/KG	0.37 U	1.3	0.37 U	0.39 U	0.39 U
2-Methylphenol (O-Cresol)	0.33	500	0.33	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
2-Nitroaniline	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
2-Nitrophenol	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.15 U	0.15 U	0.15 U	0.16 U	0.16 U
3-Nitroaniline	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.3 U	0.3 U	0.3 U	0.32 U	0.31 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
4-Chloroaniline	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
4-Methylphenol (P-Cresol)	0.33	500	0.33	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
4-Nitroaniline	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
4-Nitrophenol	--	--	--	MG/KG	0.75 U	0.76 U	0.76 U	0.8 U	0.79 U
Acenaphthene	20	500	98	MG/KG	0.37 U	0.011 J	0.37 U	0.016 J	0.39 U
Acenaphthylene	100	500	107	MG/KG	0.37 U	0.37 U	0.37 U	0.017 J	0.39 U
Acetophenone	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
Anthracene	100	500	1000	MG/KG	0.37 U	0.011 J	0.37 U	0.043 J	0.39 U
Atrazine	--	--	--	MG/KG	0.15 U	0.15 U	0.15 U	0.16 U	0.16 U

Table 5. Summary of Semivolatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RMW-3	RMW-4	RMW-5	RMW-6	RMW-7
Sample Date:					11/10/2020	11/17/2020	11/17/2020	11/17/2020	11/17/2020
Sample Depth (ft bls):					6 - 8	1 - 3	1 - 3	0 - 1	0 - 1
Normal Sample or Field Duplicate:					N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Benzaldehyde	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
Benzo(A)Anthracene	1	5.6	1	MG/KG	0.037 U	0.02 J	0.019 J	0.17	0.023 J
Benzo(A)Pyrene	1	1	22	MG/KG	0.037 U	0.017 J	0.011 J	0.17	0.02 J
Benzo(B)Fluoranthene	1	5.6	1.7	MG/KG	0.037 U	0.017 J	0.013 J	0.21	0.03 J
Benzo(G,H,I)Perylene	100	500	1000	MG/KG	0.37 U	0.37 U	0.37 U	0.097 J	0.015 J
Benzo(K)Fluoranthene	0.8	56	1.7	MG/KG	0.037 U	0.0085 J	0.037 U	0.085	0.012 J
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.37 U	0.024 J	0.37 U	0.39 U	0.39 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.037 U	0.037 U	0.037 U	0.039 U	0.039 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.027 J	0.028 J
Caprolactam	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
Carbazole	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.02 J	0.39 U
Chrysene	1	56	1	MG/KG	0.37 U	0.016 J	0.011 J	0.17 J	0.023 J
Cresols, M & P	0.33	500	0.33	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
Dibenz(A,H)Anthracene	0.33	0.56	1000	MG/KG	0.037 U	0.037 U	0.037 U	0.025 J	0.039 U
Dibenzofuran	7	350	210	MG/KG	0.37 U	0.37 U	0.37 U	0.013 J	0.39 U
Diethyl Phthalate	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.012 J	0.39 U
Dimethyl Phthalate	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
Fluoranthene	100	500	1000	MG/KG	0.37 U	0.036 J	0.024 J	0.34 J	0.026 J
Fluorene	30	500	386	MG/KG	0.37 U	0.019 J	0.37 U	0.023 J	0.39 U
Hexachlorobenzene	0.33	6	3.2	MG/KG	0.037 U	0.037 U	0.037 U	0.039 U	0.039 U
Hexachlorobutadiene	--	--	--	MG/KG	0.075 U	0.076 U	0.076 U	0.08 U	0.079 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
Hexachloroethane	--	--	--	MG/KG	0.037 U	0.037 U	0.037 U	0.039 U	0.039 U
Indeno(1,2,3-C,D)Pyrene	0.5	5.6	8.2	MG/KG	0.037 U	0.037 U	0.037 U	0.099	0.016 J
Isophorone	--	--	--	MG/KG	0.15 U	0.15 U	0.15 U	0.16 U	0.16 U
Naphthalene	12	500	12	MG/KG	0.37 U	1.5	0.37 U	0.014 J	0.39 U

Table 5. Summary of Semivolatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

					Sample Designation:	RMW-3	RMW-4	RMW-5	RMW-6	RMW-7
					Sample Date:	11/10/2020	11/17/2020	11/17/2020	11/17/2020	11/17/2020
					Sample Depth (ft bls):	6 - 8	1 - 3	1 - 3	0 - 1	0 - 1
					Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units						
Nitrobenzene	--	--	--	MG/KG	0.037 U	0.037 U	0.037 U	0.037 U	0.039 U	0.039 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.037 U	0.037 U	0.037 U	0.037 U	0.039 U	0.039 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.37 U	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.3 U	0.3 U	0.3 U	0.3 U	0.32 U	0.31 U
Phenanthrene	100	500	1000	MG/KG	0.37 U	0.051 J	0.0081 J	0.0081 J	0.2 J	0.012 J
Phenol	0.33	500	0.33	MG/KG	0.37 U	0.37 U	0.37 U	0.37 U	0.39 U	0.39 U
Pyrene	100	500	1000	MG/KG	0.37 U	0.038 J	0.027 J	0.027 J	0.33 J	0.031 J

Table 5. Summary of Semivolatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RSB-1	RSB-2	RSB-3	RSB-4	RSB-5
Sample Date:					11/16/2020	11/16/2020	11/16/2020	11/16/2020	11/16/2020
Sample Depth (ft bls):					1 - 3	1 - 3	1 - 3	1 - 3	1 - 3
Normal Sample or Field Duplicate:					N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
1,4-Dioxane (P-Dioxane)	0.1	130	0.1	MG/KG	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U
2,3,4,6-Tetrachlorophenol	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.31 U	0.3 U	0.31 U	0.3 U	0.3 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.078 U	0.076 U	0.077 U	0.077 U	0.076 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.078 U	0.076 U	0.077 U	0.077 U	0.076 U
2-Chloronaphthalene	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
2-Chlorophenol	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
2-Methylnaphthalene	--	--	--	MG/KG	0.38 U	0.082 J	0.38 U	0.38 U	0.37 U
2-Methylphenol (O-Cresol)	0.33	500	0.33	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
2-Nitroaniline	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
2-Nitrophenol	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
3-Nitroaniline	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.31 U	0.3 U	0.31 U	0.3 U	0.3 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
4-Chloroaniline	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
4-Methylphenol (P-Cresol)	0.33	500	0.33	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
4-Nitroaniline	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
4-Nitrophenol	--	--	--	MG/KG	0.78 U	0.76 U	0.77 U	0.77 U	0.76 U
Acenaphthene	20	500	98	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
Acenaphthylene	100	500	107	MG/KG	0.38 U	0.01 J	0.38 U	0.38 U	0.37 U
Acetophenone	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
Anthracene	100	500	1000	MG/KG	0.38 U	0.031 J	0.38 U	0.38 U	0.37 U
Atrazine	--	--	--	MG/KG	0.15 UT	0.15 UT	0.15 UT	0.15 UT	0.15 UT

Table 5. Summary of Semivolatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RSB-1	RSB-2	RSB-3	RSB-4	RSB-5
Sample Date:					11/16/2020	11/16/2020	11/16/2020	11/16/2020	11/16/2020
Sample Depth (ft bls):					1 - 3	1 - 3	1 - 3	1 - 3	1 - 3
Normal Sample or Field Duplicate:					N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Benzaldehyde	--	--	--	MG/KG	0.38 UT	0.37 UT	0.38 UT	0.38 UT	0.37 UT
Benzo(A)Anthracene	1	5.6	1	MG/KG	0.02 J	0.098	0.063	0.038 U	0.037 U
Benzo(A)Pyrene	1	1	22	MG/KG	0.016 JT	0.11 T	0.077 T	0.038 UT	0.037 UT
Benzo(B)Fluoranthene	1	5.6	1.7	MG/KG	0.036 J	0.13	0.1	0.038 U	0.037 U
Benzo(G,H,I)Perylene	100	500	1000	MG/KG	0.027 J	0.065 J	0.055 J	0.38 U	0.37 U
Benzo(K)Fluoranthene	0.8	56	1.7	MG/KG	0.012 J	0.053	0.041	0.038 U	0.037 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.038 U	0.037 U	0.038 U	0.038 U	0.037 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.38 U	0.18 J	0.14 J	0.38 U	0.37 U
Caprolactam	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
Carbazole	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
Chrysene	1	56	1	MG/KG	0.02 J	0.11 J	0.079 J	0.38 U	0.37 U
Cresols, M & P	0.33	500	0.33	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
Dibenz(A,H)Anthracene	0.33	0.56	1000	MG/KG	0.038 U	0.022 J	0.038 U	0.038 U	0.037 U
Dibenzofuran	7	350	210	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
Diethyl Phthalate	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
Dimethyl Phthalate	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
Fluoranthene	100	500	1000	MG/KG	0.022 J	0.13 J	0.12 J	0.38 U	0.37 U
Fluorene	30	500	386	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
Hexachlorobenzene	0.33	6	3.2	MG/KG	0.038 U	0.037 U	0.038 U	0.038 U	0.037 U
Hexachlorobutadiene	--	--	--	MG/KG	0.078 U	0.076 U	0.077 U	0.077 U	0.076 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
Hexachloroethane	--	--	--	MG/KG	0.038 U	0.037 U	0.038 U	0.038 U	0.037 U
Indeno(1,2,3-C,D)Pyrene	0.5	5.6	8.2	MG/KG	0.026 J	0.084	0.063	0.038 U	0.037 U
Isophorone	--	--	--	MG/KG	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Naphthalene	12	500	12	MG/KG	0.38 U	0.015 J	0.38 U	0.38 U	0.37 U

Table 5. Summary of Semivolatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RSB-1	RSB-2	RSB-3	RSB-4	RSB-5
Sample Date:					11/16/2020	11/16/2020	11/16/2020	11/16/2020	11/16/2020
Sample Depth (ft bls):					1 - 3	1 - 3	1 - 3	1 - 3	1 - 3
Normal Sample or Field Duplicate:					N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Nitrobenzene	--	--	--	MG/KG	0.038 U	0.037 U	0.038 U	0.038 U	0.037 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.038 U	0.037 U	0.038 U	0.038 U	0.037 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.31 U	0.3 U	0.31 U	0.3 U	0.3 U
Phenanthrene	100	500	1000	MG/KG	0.021 J	0.068 J	0.039 J	0.38 U	0.37 U
Phenol	0.33	500	0.33	MG/KG	0.38 U	0.37 U	0.38 U	0.38 U	0.37 U
Pyrene	100	500	1000	MG/KG	0.033 J	0.22 J	0.2 J	0.38 U	0.37 U

Table 5. Summary of Semivolatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RSB-6	RSB-7	RSB-7	RSB-8	RSB-8
Sample Date:					11/16/2020	11/09/2020	11/10/2020	11/09/2020	11/09/2020
Sample Depth (ft bls):					1 - 3	0 - 2	11 - 13	0 - 2	3 - 5
Normal Sample or Field Duplicate:					N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
1,4-Dioxane (P-Dioxane)	0.1	130	0.1	MG/KG	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U
2,3,4,6-Tetrachlorophenol	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.31 U	0.29 U	0.3 U	0.29 U	0.3 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.078 U	0.074 U	0.075 U	0.074 U	0.075 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.078 U	0.074 U	0.075 U	0.074 U	0.075 U
2-Chloronaphthalene	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
2-Chlorophenol	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
2-Methylnaphthalene	--	--	--	MG/KG	0.38 U	0.011 J	0.031 BJ	0.37 U	0.37 U
2-Methylphenol (O-Cresol)	0.33	500	0.33	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
2-Nitroaniline	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
2-Nitrophenol	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
3-Nitroaniline	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.31 U	0.29 U	0.3 U	0.29 U	0.3 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
4-Chloroaniline	--	--	--	MG/KG	0.38 U	0.37 UT	0.37 U	0.37 UT	0.37 UT
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
4-Methylphenol (P-Cresol)	0.33	500	0.33	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
4-Nitroaniline	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
4-Nitrophenol	--	--	--	MG/KG	0.78 U	0.74 U	0.15 J	0.74 U	0.75 U
Acenaphthene	20	500	98	MG/KG	0.38 U	0.011 J	0.37 U	0.37 U	0.37 U
Acenaphthylene	100	500	107	MG/KG	0.016 J	0.026 J	0.37 U	0.02 J	0.02 J
Acetophenone	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
Anthracene	100	500	1000	MG/KG	0.38 U	0.028 J	0.37 U	0.022 J	0.024 J
Atrazine	--	--	--	MG/KG	0.15 UT	0.15 U	0.15 U	0.15 U	0.15 U

Table 5. Summary of Semivolatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RSB-6	RSB-7	RSB-7	RSB-8	RSB-8
Sample Date:					11/16/2020	11/09/2020	11/10/2020	11/09/2020	11/09/2020
Sample Depth (ft bls):					1 - 3	0 - 2	11 - 13	0 - 2	3 - 5
Normal Sample or Field Duplicate:					N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Benzaldehyde	--	--	--	MG/KG	0.38 UT	0.37 U	0.37 U	0.37 U	0.37 U
Benzo(A)Anthracene	1	5.6	1	MG/KG	0.079	0.18	0.037 U	0.2	0.19
Benzo(A)Pyrene	1	1	22	MG/KG	0.097 T	0.25	0.037 U	0.27	0.24
Benzo(B)Fluoranthene	1	5.6	1.7	MG/KG	0.11	0.38	0.037 U	0.44	0.38
Benzo(G,H,I)Perylene	100	500	1000	MG/KG	0.055 J	0.11 J	0.37 U	0.12 J	0.094 J
Benzo(K)Fluoranthene	0.8	56	1.7	MG/KG	0.046	0.11	0.037 U	0.17	0.12
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.038 U	0.037 U	0.037 U	0.037 U	0.037 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.38 U	0.093 J	0.37 U	0.37 U	0.37 U
Caprolactam	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
Carbazole	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.015 J	0.014 J
Chrysene	1	56	1	MG/KG	0.091 J	0.27 J	0.37 U	0.21 J	0.21 J
Cresols, M & P	0.33	500	0.33	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
Dibenz(A,H)Anthracene	0.33	0.56	1000	MG/KG	0.038 U	0.037	0.037 U	0.032 J	0.034 J
Dibenzofuran	7	350	210	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
Diethyl Phthalate	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
Dimethyl Phthalate	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
Fluoranthene	100	500	1000	MG/KG	0.13 J	0.42	0.37 U	0.34 J	0.34 J
Fluorene	30	500	386	MG/KG	0.38 U	0.016 J	0.37 U	0.37 U	0.37 U
Hexachlorobenzene	0.33	6	3.2	MG/KG	0.038 U	0.037 U	0.037 U	0.037 U	0.037 U
Hexachlorobutadiene	--	--	--	MG/KG	0.078 U	0.074 U	0.075 U	0.074 U	0.075 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
Hexachloroethane	--	--	--	MG/KG	0.038 U	0.037 U	0.037 U	0.037 U	0.037 U
Indeno(1,2,3-C,D)Pyrene	0.5	5.6	8.2	MG/KG	0.063	0.13	0.037 U	0.14	0.13
Isophorone	--	--	--	MG/KG	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Naphthalene	12	500	12	MG/KG	0.38 U	0.013 J	0.19 BJ	0.37 U	0.37 U

Table 5. Summary of Semivolatile Organic Compounds in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RSB-6	RSB-7	RSB-7	RSB-8	RSB-8
Sample Date:					11/16/2020	11/09/2020	11/10/2020	11/09/2020	11/09/2020
Sample Depth (ft bls):					1 - 3	0 - 2	11 - 13	0 - 2	3 - 5
Normal Sample or Field Duplicate:					N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Nitrobenzene	--	--	--	MG/KG	0.038 U	0.037 U	0.037 U	0.037 U	0.037 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.038 U	0.037 U	0.037 U	0.037 U	0.037 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.31 U	0.29 U	0.3 U	0.29 U	0.3 U
Phenanthrene	100	500	1000	MG/KG	0.054 J	0.16 J	0.37 U	0.097 J	0.14 J
Phenol	0.33	500	0.33	MG/KG	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U
Pyrene	100	500	1000	MG/KG	0.16 J	0.39	0.37 U	0.3 J	0.31 J

Table 6. Summary of Metals in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RMW-1	RMW-2	RMW-2	RMW-2	RMW-3	RMW-3	RMW-4
Sample Date:					11/16/2020	11/09/2020	11/09/2020	11/10/2020	11/09/2020	11/10/2020	11/17/2020
Sample Depth (ft bls):					1 - 3	0 - 2	0 - 2	8 - 10	0 - 2	6 - 8	1 - 3
Normal Sample or Field Duplicate:					N	N	FD	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units							
Aluminum	--	--	--	MG/KG	9950	14200	13900	53800	11000	12300	6980
Antimony	--	--	--	MG/KG	0.86 U	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U
Arsenic	13	16	16	MG/KG	1.8	2.5	2	2	1.5	0.76 J	1.5
Barium	350	400	820	MG/KG	97.4	115	108	420	79.1	110	62.2
Beryllium	7.2	590	47	MG/KG	0.45	0.46	0.43 J	1.6	0.41 J	0.58	0.33 J
Cadmium	2.5	9.3	7.5	MG/KG	0.099 J	0.26 J	0.18 J	0.16 J	0.15 J	1 U	1.1 U
Calcium	--	--	--	MG/KG	4790	20100	4970	8620	2330	879	2210
Chromium, Total	30	1500	--	MG/KG	22.5	31.5	31	82.2	23.5	19.4	17.8
Cobalt	--	--	--	MG/KG	8.3	9.5	8.8	28.2	7.9	9.4	7
Copper	50	270	1720	MG/KG	28.9	32.6	23.9	46	29.1	24.1	19.9
Iron	--	--	--	MG/KG	18700	19900	19100	50200	16200	18300	14800
Lead	63	1000	450	MG/KG	9.7	37.5	35.9	8.1	64.8	5.2	4.9
Magnesium	--	--	--	MG/KG	4690	6950	5320	14800	4120	4260	3250
Manganese	1600	10000	2000	MG/KG	235	267	271	630	348	422	217
Mercury	0.18	2.8	0.73	MG/KG	0.017 U	0.043	0.039	0.013 J	0.022	0.026	0.017 U
Nickel	30	310	130	MG/KG	21.1	24	21.7	55.9	17.5	19.3	17.5
Potassium	--	--	--	MG/KG	3310	3570	3700	9790	2430	3150	1780
Selenium	3.9	1500	4	MG/KG	0.13 J	0.26 J	0.26 J	0.36 J	0.17 J	1.3 U	1.4 U
Silver	2	1500	8.3	MG/KG	0.86 U	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1.1 U
Sodium	--	--	--	MG/KG	265	437	402	1400	229	132	304
Thallium	--	--	--	MG/KG	0.23 J	0.24 J	0.23 J	0.81	0.15 J	0.2 J	0.12 J
Vanadium	--	--	--	MG/KG	28.9	37.5	40.3	96.1	37.2	27.4	23.3
Zinc	109	10000	2480	MG/KG	50.5	86.5	78.1	113	63.7	39.6	31.1

Table 6. Summary of Metals in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RMW-5	RMW-6	RMW-7	RSB-1	RSB-2	RSB-3	RSB-4
Sample Date:					11/17/2020	11/17/2020	11/17/2020	11/16/2020	11/16/2020	11/16/2020	11/16/2020
Sample Depth (ft bls):					1 - 3	0 - 1	0 - 1	1 - 3	1 - 3	1 - 3	1 - 3
Normal Sample or Field Duplicate:					N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units							
Aluminum	--	--	--	MG/KG	16800	13300	24300	13300	8620	15800	8860
Antimony	--	--	--	MG/KG	1.1 U	0.44 J	1.1 U	0.41 J	0.17 J	0.84 U	0.85 U
Arsenic	13	16	16	MG/KG	1.9	2.6	1.5	3.6	3.9	1.9	1.8
Barium	350	400	820	MG/KG	286	97.4	200	116	94.9	117	101
Beryllium	7.2	590	47	MG/KG	0.68	0.46	0.65	0.59	0.38	0.54	0.35
Cadmium	2.5	9.3	7.5	MG/KG	1.1 U	0.38 J	1.1 U	0.19 J	0.14 J	0.14 J	0.85 U
Calcium	--	--	--	MG/KG	6810	8580	9490	24200	10100	6150	6180
Chromium, Total	30	1500	--	MG/KG	34.8	26.8	52	25	23.4	34.4	22.4
Cobalt	--	--	--	MG/KG	10	9	12	8.3	7.5	9.9	7.4
Copper	50	270	1720	MG/KG	28.1	22.1	31	46.9	26.8	33.2	26
Iron	--	--	--	MG/KG	23400	18000	26100	13700	14300	21600	15800
Lead	63	1000	450	MG/KG	10.5	55.3	26.8	200	34.6	22.4	21.9
Magnesium	--	--	--	MG/KG	6100	3880	8320	4040	3530	5660	4190
Manganese	1600	10000	2000	MG/KG	297	191	369	147	205	274	192
Mercury	0.18	2.8	0.73	MG/KG	0.018 U	0.062	0.0065 J	0.031	0.019	0.019	0.0076 J
Nickel	30	310	130	MG/KG	25.2	16.4	31.8	19	17.2	24.2	18
Potassium	--	--	--	MG/KG	4060	1800	7740	3250	2070	3710	2960
Selenium	3.9	1500	4	MG/KG	0.14 J	0.52 J	0.42 J	0.52 J	0.48 J	0.42 J	0.17 J
Silver	2	1500	8.3	MG/KG	1.1 U	1.1 U	1.1 U	0.11 J	0.83 U	0.84 U	0.85 U
Sodium	--	--	--	MG/KG	704	219	782	938	268	484	293
Thallium	--	--	--	MG/KG	0.26 J	0.18 J	0.41 J	0.24 J	0.19 J	0.24 J	0.19 J
Vanadium	--	--	--	MG/KG	40.6	32.5	53	25.5	24.4	37.4	26
Zinc	109	10000	2480	MG/KG	51.2	187	66.6	120	78	61.8	48.9

Table 6. Summary of Metals in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RSB-5	RSB-6	RSB-7	RSB-7	RSB-8	RSB-8
Sample Date:					11/16/2020	11/16/2020	11/09/2020	11/10/2020	11/09/2020	11/09/2020
Sample Depth (ft bls):					1 - 3	1 - 3	0 - 2	11 - 13	0 - 2	3 - 5
Normal Sample or Field Duplicate:					N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units						
Aluminum	--	--	--	MG/KG	11800	12900	15500	28400	17000	15400
Antimony	--	--	--	MG/KG	0.83 U	0.93 U	1.1 U	1.1 U	1.1 U	1.1 U
Arsenic	13	16	16	MG/KG	1.7	2.5	2.1	0.46 J	3.6	2.8
Barium	350	400	820	MG/KG	119	116	135	383	121	112
Beryllium	7.2	590	47	MG/KG	0.42	0.46	0.47	0.92	0.54	0.48
Cadmium	2.5	9.3	7.5	MG/KG	0.13 J	0.15 J	0.15 J	1.1 U	0.25 J	1.3
Calcium	--	--	--	MG/KG	7440	9300	6750	1990	14200	4670
Chromium, Total	30	1500	--	MG/KG	25.6	28.8	35	59	43.5	37.2
Cobalt	--	--	--	MG/KG	7.8	9.6	11.1	20.8	11.2	10.6
Copper	50	270	1720	MG/KG	26	26.3	28.7	78.3	32	27.5
Iron	--	--	--	MG/KG	16800	18500	21900	43700	24900	21900
Lead	63	1000	450	MG/KG	13.2	22.6	82.2	6.8	98.7	68.6
Magnesium	--	--	--	MG/KG	4510	5070	6380	11400	7230	6030
Manganese	1600	10000	2000	MG/KG	233	254	324	213	396	361
Mercury	0.18	2.8	0.73	MG/KG	0.0069 J	0.011 J	0.026	0.0067 J	0.097	0.096
Nickel	30	310	130	MG/KG	20.4	21.7	27	38.1	28.5	25.9
Potassium	--	--	--	MG/KG	3000	3260	4500	15100	4330	4100
Selenium	3.9	1500	4	MG/KG	0.15 J	0.45 J	0.32 J	1.3 U	0.37 J	0.31 J
Silver	2	1500	8.3	MG/KG	0.83 U	0.93 U	1.1 U	1.1 U	1.1 U	1.1 U
Sodium	--	--	--	MG/KG	431	380	280	343	521	453
Thallium	--	--	--	MG/KG	0.2 J	0.21 J	0.25 J	0.61	0.28 J	0.25 J
Vanadium	--	--	--	MG/KG	27.7	31.3	45.1	80.1	46.9	42.3
Zinc	109	10000	2480	MG/KG	57.9	69.8	157	101	123	102

Table 7. Summary of Polychlorinated Biphenyls in Soil, 4125-4129 Laconia Avenue, Bronx, New York

					Sample Designation:	RMW-1	RMW-2	RMW-2	RMW-2	RMW-3	RMW-3
					Sample Date:	11/16/2020	11/09/2020	11/09/2020	11/10/2020	11/09/2020	11/10/2020
					Sample Depth (ft bls):	1 - 3	0 - 2	0 - 2	8 - 10	0 - 2	6 - 8
					Normal Sample or Field Duplicate:	N	N	FD	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units							
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.076 U	0.074 U	0.073 U	0.09 U	0.075 U	0.075 U	0.075 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.076 U	0.074 U	0.073 U	0.09 U	0.075 U	0.075 U	0.075 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.076 U	0.074 U	0.073 U	0.09 U	0.075 U	0.075 U	0.075 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.076 U	0.074 U	0.073 U	0.09 U	0.075 U	0.075 U	0.075 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.076 U	0.074 U	0.073 U	0.09 U	0.075 U	0.075 U	0.075 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.076 U	0.074 U	0.073 U	0.09 U	0.075 U	0.075 U	0.075 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.076 U	0.074 U	0.073 U	0.09 U	0.075 U	0.075 U	0.075 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.076 U	0.074 U	0.073 U	0.09 U	0.075 U	0.075 U	0.075 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.076 U	0.074 U	0.073 U	0.09 U	0.075 U	0.075 U	0.075 U
Polychlorinated Biphenyl (PCBs)	0.1	1	3.2	MG/KG	0.076 U	0.074 U	0.073 U	0.09 U	0.075 U	0.075 U	0.075 U

Table 7. Summary of Polychlorinated Biphenyls in Soil, 4125-4129 Laconia Avenue, Bronx, New York

					Sample Designation:	RMW-4	RMW-5	RMW-6	RMW-7	RSB-1	RSB-2
					Sample Date:	11/17/2020	11/17/2020	11/17/2020	11/17/2020	11/16/2020	11/16/2020
					Sample Depth (ft bls):	1 - 3	1 - 3	0 - 1	0 - 1	1 - 3	1 - 3
					Normal Sample or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units							
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.076 U	0.076 U	0.08 U	0.079 U	0.078 U	0.076 U	0.076 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.076 U	0.076 U	0.08 U	0.079 U	0.078 U	0.076 U	0.076 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.076 U	0.076 U	0.08 U	0.079 U	0.078 U	0.076 U	0.076 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.076 U	0.076 U	0.08 U	0.079 U	0.078 U	0.076 U	0.076 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.076 U	0.076 U	0.08 U	0.079 U	0.078 U	0.076 U	0.076 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.076 U	0.076 U	0.08 U	0.079 U	0.078 U	0.076 U	0.076 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.076 U	0.076 U	0.08 U	0.079 U	0.078 U	0.076 U	0.076 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.076 U	0.076 U	0.08 U	0.079 U	0.078 U	0.076 U	0.076 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.076 U	0.076 U	0.08 U	0.079 U	0.078 U	0.076 U	0.076 U
Polychlorinated Biphenyl (PCBs)	0.1	1	3.2	MG/KG	0.076 U	0.076 U	0.08 U	0.079 U	0.078 U	0.076 U	0.076 U

Table 7. Summary of Polychlorinated Biphenyls in Soil, 4125-4129 Laconia Avenue, Bronx, New York

					Sample Designation:	RSB-3	RSB-4	RSB-5	RSB-6	RSB-7	RSB-7
					Sample Date:	11/16/2020	11/16/2020	11/16/2020	11/16/2020	11/09/2020	11/10/2020
					Sample Depth (ft bls):	1 - 3	1 - 3	1 - 3	1 - 3	0 - 2	11 - 13
					Normal Sample or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units							
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.077 U	0.077 U	0.076 U	0.078 U	0.074 U	0.075 U	
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.077 U	0.077 U	0.076 U	0.078 U	0.074 U	0.075 U	
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.077 U	0.077 U	0.076 U	0.078 U	0.074 U	0.075 U	
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.077 U	0.077 U	0.076 U	0.078 U	0.074 U	0.075 U	
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.077 U	0.077 U	0.076 U	0.078 U	0.074 U	0.075 U	
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.077 U	0.077 U	0.076 U	0.078 U	0.074 U	0.075 U	
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.077 U	0.077 U	0.076 U	0.078 U	0.074 U	0.075 U	
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.077 U	0.077 U	0.076 U	0.078 U	0.074 U	0.075 U	
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.077 U	0.077 U	0.076 U	0.078 U	0.074 U	0.075 U	
Polychlorinated Biphenyl (PCBs)	0.1	1	3.2	MG/KG	0.077 U	0.077 U	0.076 U	0.078 U	0.074 U	0.075 U	

Table 7. Summary of Polychlorinated Biphenyls in Soil, 4125-4129 Laconia Avenue, Bronx, New York

					Sample Designation:	RSB-8	RSB-8
					Sample Date:	11/09/2020	11/09/2020
					Sample Depth (ft bls):	0 - 2	3 - 5
					Normal Sample or Field Duplicate:	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units			
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.074 U	0.075 U	
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.074 U	0.075 U	
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.074 U	0.075 U	
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.074 U	0.075 U	
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.074 U	0.075 U	
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.074 U	0.075 U	
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.074 U	0.075 U	
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.074 U	0.075 U	
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.074 U	0.075 U	
Polychlorinated Biphenyl (PCBs)	0.1	1	3.2	MG/KG	0.074 U	0.075 U	

Table 8. Summary of Pesticides and Herbicides in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RMW-1	RMW-2	RMW-2	RMW-2	RMW-3
Sample Date:					11/16/2020	11/09/2020	11/09/2020	11/10/2020	11/09/2020
Sample Depth (ft bls):					1 - 3	0 - 2	0 - 2	8 - 10	0 - 2
Normal Sample or Field Duplicate:					N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Aldrin	0.005	0.68	0.19	MG/KG	0.0076 U	0.0074 U	0.0073 U	0.009 U	0.0075 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	3.4	0.02	MG/KG	0.0023 U	0.0022 U	0.0022 U	0.0027 U	0.0022 U
Alpha Endosulfan	2.4	200	102	MG/KG	0.0076 U	0.0074 U	0.0073 U	0.009 U	0.0075 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	3	0.09	MG/KG	0.0023 U	0.0022 U	0.0022 U	0.0027 U	0.0022 U
Beta Endosulfan	2.4	200	102	MG/KG	0.0076 U	0.0074 U	0.0073 U	0.009 U	0.0075 U
cis-Chlordane	0.094	24	2.9	MG/KG	0.0076 U	0.012	0.0077 P	0.009 U	0.0075 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	500	0.25	MG/KG	0.0023 U	0.0022 U	0.0022 U	0.0027 U	0.0022 U
Dieldrin	0.005	1.4	0.1	MG/KG	0.0023 U	0.0022 U	0.0022 U	0.0027 U	0.0022 U
Endosulfan Sulfate	2.4	200	1000	MG/KG	0.0076 U	0.0074 U	0.0073 U	0.009 U	0.0075 U
Endrin	0.014	89	0.06	MG/KG	0.0076 U	0.0074 U	0.0073 U	0.009 U	0.0075 U
Endrin Aldehyde	--	--	--	MG/KG	0.0076 U	0.0074 U	0.0073 U	0.009 U	0.0075 U
Endrin Ketone	--	--	--	MG/KG	0.0076 U	0.0074 U	0.0073 U	0.009 U	0.0075 U
Gamma Bhc (Lindane)	0.1	9.2	0.1	MG/KG	0.0023 U	0.0022 U	0.0022 U	0.0027 U	0.0022 U
Heptachlor	0.042	15	0.38	MG/KG	0.0076 U	0.0074 U	0.0073 U	0.009 U	0.0075 U
Heptachlor Epoxide	--	--	--	MG/KG	0.0076 U	0.0074 U	0.0073 U	0.009 U	0.0075 U
Methoxychlor	--	--	--	MG/KG	0.0076 U	0.0074 U	0.0073 U	0.009 U	0.0075 U
P,P'-DDD	0.0033	92	14	MG/KG	0.016	0.021	0.02	0.009 U	0.0075 U
P,P'-DDE	0.0033	62	17	MG/KG	0.0036 J	0.02	0.021	0.009 U	0.0075 U
P,P'-DDT	0.0033	47	136	MG/KG	0.013	0.03	0.031	0.009 U	0.0075 U
Toxaphene	--	--	--	MG/KG	0.076 U	0.074 U	0.073 U	0.09 U	0.075 U
trans-Chlordane	--	--	--	MG/KG	0.0076 U	0.0076 P	0.0084	0.009 U	0.0075 U

Table 8. Summary of Pesticides and Herbicides in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RMW-3	RMW-4	RMW-5	RMW-6	RMW-7
Sample Date:					11/10/2020	11/17/2020	11/17/2020	11/17/2020	11/17/2020
Sample Depth (ft bls):					6 - 8	1 - 3	1 - 3	0 - 1	0 - 1
Normal Sample or Field Duplicate:					N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Aldrin	0.005	0.68	0.19	MG/KG	0.0075 U	0.0076 U	0.0076 U	0.008 U	0.0079 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	3.4	0.02	MG/KG	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.0023 U
Alpha Endosulfan	2.4	200	102	MG/KG	0.0075 U	0.0076 U	0.0076 U	0.008 U	0.0079 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	3	0.09	MG/KG	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.0023 U
Beta Endosulfan	2.4	200	102	MG/KG	0.0075 U	0.0076 U	0.0076 U	0.008 U	0.0079 U
cis-Chlordane	0.094	24	2.9	MG/KG	0.0075 U	0.0076 U	0.0076 U	0.008 U	0.0079 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	500	0.25	MG/KG	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.0023 U
Dieldrin	0.005	1.4	0.1	MG/KG	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.0023 U
Endosulfan Sulfate	2.4	200	1000	MG/KG	0.0075 U	0.0076 U	0.0076 U	0.008 U	0.0079 U
Endrin	0.014	89	0.06	MG/KG	0.0075 U	0.0076 U	0.0076 U	0.008 U	0.0079 U
Endrin Aldehyde	--	--	--	MG/KG	0.0075 U	0.0076 U	0.0076 U	0.008 U	0.0079 U
Endrin Ketone	--	--	--	MG/KG	0.0075 U	0.0076 U	0.0076 U	0.008 U	0.0079 U
Gamma Bhc (Lindane)	0.1	9.2	0.1	MG/KG	0.0022 U	0.0023 U	0.0023 U	0.0024 U	0.0023 U
Heptachlor	0.042	15	0.38	MG/KG	0.0075 U	0.0076 U	0.0076 U	0.008 U	0.0079 U
Heptachlor Epoxide	--	--	--	MG/KG	0.0075 U	0.0076 U	0.0076 U	0.008 U	0.0079 U
Methoxychlor	--	--	--	MG/KG	0.0075 U	0.0076 U	0.0076 U	0.008 U	0.0079 U
P,P'-DDD	0.0033	92	14	MG/KG	0.0075 U	0.0076 U	0.0076 U	0.0049 J	0.0079 U
P,P'-DDE	0.0033	62	17	MG/KG	0.0075 U	0.0076 U	0.0076 U	0.0081	0.02
P,P'-DDT	0.0033	47	136	MG/KG	0.0075 U	0.0076 U	0.0076 U	0.0047 J	0.0079 U
Toxaphene	--	--	--	MG/KG	0.075 U	0.076 U	0.076 U	0.08 U	0.079 U
trans-Chlordane	--	--	--	MG/KG	0.0075 U	0.0076 U	0.0076 U	0.008 U	0.0079 U

Table 8. Summary of Pesticides and Herbicides in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RSB-1	RSB-2	RSB-3	RSB-4	RSB-5
Sample Date:					11/16/2020	11/16/2020	11/16/2020	11/16/2020	11/16/2020
Sample Depth (ft bls):					1 - 3	1 - 3	1 - 3	1 - 3	1 - 3
Normal Sample or Field Duplicate:					N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Aldrin	0.005	0.68	0.19	MG/KG	0.0078 U	0.0076 U	0.0077 U	0.0077 U	0.0076 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	3.4	0.02	MG/KG	0.0023 U	0.0023 U	0.0023 U	0.0023 U	0.0023 U
Alpha Endosulfan	2.4	200	102	MG/KG	0.0078 U	0.0076 U	0.0077 U	0.0077 U	0.0076 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	3	0.09	MG/KG	0.0023 U	0.0023 U	0.0023 U	0.0023 U	0.0023 U
Beta Endosulfan	2.4	200	102	MG/KG	0.0078 U	0.0076 U	0.0077 U	0.0077 U	0.0076 U
cis-Chlordane	0.094	24	2.9	MG/KG	0.0078 U	0.0076 U	0.0077 U	0.0077 U	0.0076 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	500	0.25	MG/KG	0.0023 U	0.0023 U	0.0023 U	0.0023 U	0.0023 U
Dieldrin	0.005	1.4	0.1	MG/KG	0.0023 U	0.0023 U	0.0023 U	0.0023 U	0.0023 U
Endosulfan Sulfate	2.4	200	1000	MG/KG	0.0078 U	0.0076 U	0.0077 U	0.0077 U	0.0076 U
Endrin	0.014	89	0.06	MG/KG	0.0078 U	0.0076 U	0.0077 U	0.0077 U	0.0076 U
Endrin Aldehyde	--	--	--	MG/KG	0.0078 U	0.0076 U	0.0077 U	0.0077 U	0.0076 U
Endrin Ketone	--	--	--	MG/KG	0.0078 U	0.0076 U	0.0077 U	0.0077 U	0.0076 U
Gamma Bhc (Lindane)	0.1	9.2	0.1	MG/KG	0.0023 U	0.0023 U	0.0023 U	0.0023 U	0.0023 U
Heptachlor	0.042	15	0.38	MG/KG	0.0078 U	0.0076 U	0.0077 U	0.0077 U	0.0076 U
Heptachlor Epoxide	--	--	--	MG/KG	0.0078 U	0.0076 U	0.0077 U	0.0077 U	0.0076 U
Methoxychlor	--	--	--	MG/KG	0.0078 U	0.0076 U	0.0077 U	0.0077 U	0.0076 U
P,P'-DDD	0.0033	92	14	MG/KG	0.011	0.011	0.025	0.0092	0.0049 J
P,P'-DDE	0.0033	62	17	MG/KG	0.043	0.0068 J	0.011	0.024	0.01
P,P'-DDT	0.0033	47	136	MG/KG	0.026	0.006 J	0.018	0.017	0.0041 J
Toxaphene	--	--	--	MG/KG	0.078 U	0.076 U	0.077 U	0.077 U	0.076 U
trans-Chlordane	--	--	--	MG/KG	0.0078 U	0.0076 U	0.0077 U	0.0077 U	0.0076 U

Table 8. Summary of Pesticides and Herbicides in Soil, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:					RSB-6	RSB-7	RSB-7	RSB-8	RSB-8
Sample Date:					11/16/2020	11/09/2020	11/10/2020	11/09/2020	11/09/2020
Sample Depth (ft bls):					1 - 3	0 - 2	11 - 13	0 - 2	3 - 5
Normal Sample or Field Duplicate:					N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Aldrin	0.005	0.68	0.19	MG/KG	0.0078 U	0.0074 U	0.0075 U	0.0074 U	0.0075 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	3.4	0.02	MG/KG	0.0023 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U
Alpha Endosulfan	2.4	200	102	MG/KG	0.0078 U	0.0074 U	0.0075 U	0.0074 U	0.0075 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	3	0.09	MG/KG	0.0023 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U
Beta Endosulfan	2.4	200	102	MG/KG	0.0078 U	0.0074 U	0.0075 U	0.0074 U	0.0075 U
cis-Chlordane	0.094	24	2.9	MG/KG	0.0078 U	0.0074 U	0.0075 U	0.0074 U	0.0075 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	500	0.25	MG/KG	0.0023 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U
Dieldrin	0.005	1.4	0.1	MG/KG	0.0023 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U
Endosulfan Sulfate	2.4	200	1000	MG/KG	0.0078 U	0.0074 U	0.0075 U	0.0074 U	0.0075 U
Endrin	0.014	89	0.06	MG/KG	0.0078 U	0.0074 U	0.0075 U	0.0074 U	0.0075 U
Endrin Aldehyde	--	--	--	MG/KG	0.0078 U	0.0074 U	0.0075 U	0.0074 U	0.0075 U
Endrin Ketone	--	--	--	MG/KG	0.0078 U	0.0074 U	0.0075 U	0.0074 U	0.0075 U
Gamma Bhc (Lindane)	0.1	9.2	0.1	MG/KG	0.0023 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U
Heptachlor	0.042	15	0.38	MG/KG	0.0078 U	0.0074 U	0.0075 U	0.0074 U	0.0075 U
Heptachlor Epoxide	--	--	--	MG/KG	0.0078 U	0.0074 U	0.0075 U	0.0074 U	0.0075 U
Methoxychlor	--	--	--	MG/KG	0.0078 U	0.0074 U	0.0075 U	0.0074 U	0.0075 U
P,P'-DDD	0.0033	92	14	MG/KG	0.014	0.0074 U	0.0075 U	0.0074 U	0.0075 U
P,P'-DDE	0.0033	62	17	MG/KG	0.01	0.0074 U	0.0075 U	0.0074 U	0.0075 U
P,P'-DDT	0.0033	47	136	MG/KG	0.013	0.0074 U	0.0075 U	0.0074 U	0.0075 U
Toxaphene	--	--	--	MG/KG	0.078 U	0.074 U	0.075 U	0.074 U	0.075 U
trans-Chlordane	--	--	--	MG/KG	0.0078 U	0.0074 U	0.0075 U	0.0074 U	0.0075 U

Table 9. Summary of Per- and Polyfluoroalkyl Substances in Soil, 4125-4129 Laconia Avenue, Bronx, New York

					Sample Designation:	RMW-1	RMW-2	RMW-2	RMW-2
					Sample Date:	11/16/2020	11/09/2020	11/09/2020	11/10/2020
					Sample Depth (ft bls):	1 - 3	0 - 2	0 - 2	8 - 10
					Normal Sample or Field Duplicate:	N	N	FD	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	UG/KG	0.079 J	0.037 U	0.037 U	0.046 U	
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	UG/KG	0.071 J	0.05 J	0.072 J	0.041 U	
Perfluorobutanesulfonic acid (PFBS)	--	--	--	UG/KG	0.025 BJ	0.0096 U	0.0096 U	0.015 J	
Perfluorobutanoic Acid	--	--	--	UG/KG	0.21 U	0.21 U	0.21 U	0.26 U	
Perfluorodecane Sulfonic Acid	--	--	--	UG/KG	0.021 U	0.081 J	0.058 J	0.026 U	
Perfluorodecanoic acid (PFDA)	--	--	--	UG/KG	0.043 J	0.023 U	0.03 J	0.029 U	
Perfluorododecanoic acid (PFDoA)	--	--	--	UG/KG	0.031 BJ	0.019 J	0.016 U	0.02 U	
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	UG/KG	0.017 U	0.016 U	0.016 U	0.02 U	
Perfluoroheptanoic acid (PFHpA)	--	--	--	UG/KG	0.051 J	0.025 U	0.039 J	0.031 U	
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	UG/KG	0.068 BJ	0.029 J	0.025 J	0.023 J	
Perfluorohexanoic acid (PFHxA)	--	--	--	UG/KG	0.04 J	0.044 J	0.047 J	0.033 U	
Perfluorononanoic acid (PFNA)	--	--	--	UG/KG	0.022 U	0.022 U	0.022 U	0.027 U	
Perfluorooctane Sulfonamide (FOSA)	--	--	--	UG/KG	0.032 BJ	0.033 J	0.014 J	0.012 U	
Perfluorooctanesulfonic acid (PFOS)	0.88	440	3.7	UG/KG	1	0.71	0.65	0.15 J	
Perfluorooctanoic acid (PFOA)	0.66	500	1.1	UG/KG	0.12 BJ	0.018 BJ	0.027 BJ	0.031 BJ	
Perfluoropentanoic Acid (PFPeA)	--	--	--	UG/KG	0.039 BJ	0.02 U	0.02 U	0.025 J	
Perfluorotetradecanoic acid (PFTA)	--	--	--	UG/KG	0.021 U	0.021 U	0.021 U	0.026 U	
Perfluorotridecanoic Acid (PFTriA)	--	--	--	UG/KG	0.015 U	0.014 U	0.014 U	0.018 U	
Perfluoroundecanoic Acid (PFUnA)	--	--	--	UG/KG	0.027 U	0.027 J	0.026 U	0.033 U	
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	--	--	UG/KG	0.032 U	0.031 U	0.032 U	0.039 U	
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	UG/KG	0.025 U	0.024 U	0.024 U	0.03 U	

Table 9. Summary of Per- and Polyfluoroalkyl Substances in Soil, 4125-4129 Laconia Avenue, Bronx, New York

					Sample Designation:	RMW-3	RMW-3	RMW-4	RMW-5
					Sample Date:	11/09/2020	11/10/2020	11/17/2020	11/17/2020
					Sample Depth (ft bls):	0 - 2	6 - 8	1 - 3	1 - 3
					Normal Sample or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	UG/KG	0.038 U	0.038 U	0.037 U	0.038 U	
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	UG/KG	0.033 U	0.034 U	0.033 U	0.034 U	
Perfluorobutanesulfonic acid (PFBS)	--	--	--	UG/KG	0.012 J	0.0099 U	0.0095 U	0.0098 U	
Perfluorobutanoic Acid	--	--	--	UG/KG	0.21 U	0.21 U	0.21 U	0.21 U	
Perfluorodecane Sulfonic Acid	--	--	--	UG/KG	0.034 J	0.021 U	0.021 U	0.021 U	
Perfluorodecanoic acid (PFDA)	--	--	--	UG/KG	0.044 J	0.024 U	0.023 U	0.023 U	
Perfluorododecanoic acid (PFDoA)	--	--	--	UG/KG	0.017 U	0.017 U	0.016 U	0.017 U	
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	UG/KG	0.017 U	0.017 U	0.016 U	0.017 U	
Perfluoroheptanoic acid (PFHpA)	--	--	--	UG/KG	0.034 J	0.026 U	0.025 U	0.026 U	
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	UG/KG	0.029 J	0.017 U	0.016 U	0.017 U	
Perfluorohexanoic acid (PFHxA)	--	--	--	UG/KG	0.046 J	0.027 U	0.026 U	0.027 U	
Perfluorononanoic acid (PFNA)	--	--	--	UG/KG	0.06 J	0.022 U	0.022 U	0.022 U	
Perfluorooctane Sulfonamide (FOSA)	--	--	--	UG/KG	0.012 J	0.0099 U	0.0095 U	0.0098 U	
Perfluorooctanesulfonic acid (PFOS)	0.88	440	3.7	UG/KG	0.49	0.15 J	0.073 U	0.2 J	
Perfluorooctanoic acid (PFOA)	0.66	500	1.1	UG/KG	0.058 BJ	0.048 BJ	0.015 U	0.028 BJ	
Perfluoropentanoic Acid (PFPeA)	--	--	--	UG/KG	0.028 J	0.02 U	0.02 U	0.02 U	
Perfluorotetradecanoic acid (PFTA)	--	--	--	UG/KG	0.021 U	0.021 U	0.021 U	0.021 U	
Perfluorotridecanoic Acid (PFTriA)	--	--	--	UG/KG	0.014 U	0.015 U	0.014 U	0.015 U	
Perfluoroundecanoic Acid (PFUnA)	--	--	--	UG/KG	0.027 U	0.027 U	0.026 U	0.027 U	
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	--	--	UG/KG	0.032 U	0.033 U	0.031 U	0.032 U	
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	UG/KG	0.024 U	0.025 U	0.024 U	0.025 U	

Table 9. Summary of Per- and Polyfluoroalkyl Substances in Soil, 4125-4129 Laconia Avenue, Bronx, New York

					Sample Designation:	RMW-6	RMW-7	RSB-1	RSB-2
					Sample Date:	11/17/2020	11/17/2020	11/16/2020	11/16/2020
					Sample Depth (ft bls):	0 - 1	0 - 1	1 - 3	1 - 3
					Normal Sample or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	UG/KG	0.038 U	0.037 U	0.039 J	0.039 J	
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	UG/KG	0.28 J	0.058 J	0.056 J	0.13 J	
Perfluorobutanesulfonic acid (PFBS)	--	--	--	UG/KG	0.0099 U	0.0096 U	0.12 U	0.021 BJ	
Perfluorobutanoic Acid	--	--	--	UG/KG	0.21 U	0.21 U	0.21 U	0.22 U	
Perfluorodecane Sulfonic Acid	--	--	--	UG/KG	0.04 J	0.021 U	0.023 J	0.022 U	
Perfluorodecanoic acid (PFDA)	--	--	--	UG/KG	0.024 U	0.023 U	0.054 J	0.044 J	
Perfluorododecanoic acid (PFDoA)	--	--	--	UG/KG	0.017 U	0.016 U	0.024 BJ	0.017 U	
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	UG/KG	0.017 U	0.016 U	0.021 J	0.017 U	
Perfluoroheptanoic acid (PFHpA)	--	--	--	UG/KG	0.026 U	0.025 U	0.068 J	0.026 U	
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	UG/KG	0.033 J	0.019 J	0.12 BJ	0.037 BJ	
Perfluorohexanoic acid (PFHxA)	--	--	--	UG/KG	0.064 J	0.12 J	0.063 J	0.047 J	
Perfluorononanoic acid (PFNA)	--	--	--	UG/KG	0.076 J	0.051 J	0.047 J	0.023 U	
Perfluorooctane Sulfonamide (FOSA)	--	--	--	UG/KG	0.0099 U	0.0096 U	0.02 BJ	0.01 U	
Perfluorooctanesulfonic acid (PFOS)	0.88	440	3.7	UG/KG	0.18 J	0.16 J	1.28	0.63	
Perfluorooctanoic acid (PFOA)	0.66	500	1.1	UG/KG	0.088 BJ	0.054 BJ	0.28 B	0.083 BJ	
Perfluoropentanoic Acid (PFPeA)	--	--	--	UG/KG	0.056 BJ	0.054 BJ	0.047 BJ	0.044 BJ	
Perfluorotetradecanoic acid (PFTA)	--	--	--	UG/KG	0.021 U	0.021 U	0.021 U	0.022 U	
Perfluorotridecanoic Acid (PFTriA)	--	--	--	UG/KG	0.015 U	0.014 U	0.014 U	0.015 U	
Perfluoroundecanoic Acid (PFUnA)	--	--	--	UG/KG	0.027 U	0.026 U	0.026 U	0.028 U	
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	--	--	UG/KG	0.033 U	0.032 U	0.032 U	0.033 U	
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	UG/KG	0.025 U	0.024 U	0.024 U	0.025 U	

Table 9. Summary of Per- and Polyfluoroalkyl Substances in Soil, 4125-4129 Laconia Avenue, Bronx, New York

					Sample Designation:	RSB-3	RSB-4	RSB-5	RSB-6
					Sample Date:	11/16/2020	11/16/2020	11/16/2020	11/16/2020
					Sample Depth (ft bls):	1 - 3	1 - 3	1 - 3	1 - 3
					Normal Sample or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	UG/KG	0.073 J	0.072 J	0.05 J	0.038 U	
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	UG/KG	0.05 J	0.11 J	0.086 J	0.047 J	
Perfluorobutanesulfonic acid (PFBS)	--	--	--	UG/KG	0.038 U	0.023 BJ	0.015 BJ	0.016 BJ	
Perfluorobutanoic Acid	--	--	--	UG/KG	0.21 U	0.21 U	0.21 U	0.21 U	
Perfluorodecane Sulfonic Acid	--	--	--	UG/KG	0.021 U	0.04 J	0.021 U	0.034 J	
Perfluorodecanoic acid (PFDA)	--	--	--	UG/KG	0.024 U	0.034 J	0.024 U	0.05 J	
Perfluorododecanoic acid (PFDoA)	--	--	--	UG/KG	0.017 U	0.045 BJ	0.017 U	0.025 BJ	
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	UG/KG	0.017 U	0.017 U	0.017 U	0.017 U	
Perfluoroheptanoic acid (PFHpA)	--	--	--	UG/KG	0.028 J	0.038 J	0.026 U	0.026 U	
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	UG/KG	0.03 BJ	0.082 BJ	0.031 BJ	0.029 BJ	
Perfluorohexanoic acid (PFHxA)	--	--	--	UG/KG	0.029 J	0.03 J	0.027 U	0.039 J	
Perfluorononanoic acid (PFNA)	--	--	--	UG/KG	0.023 U	0.023 U	0.023 J	0.023 U	
Perfluorooctane Sulfonamide (FOSA)	--	--	--	UG/KG	0.0099 U	0.11 BJ	0.028 BJ	0.01 BJ	
Perfluorooctanesulfonic acid (PFOS)	0.88	440	3.7	UG/KG	0.52	1.17	0.57	0.98	
Perfluorooctanoic acid (PFOA)	0.66	500	1.1	UG/KG	0.11 BJ	0.16 BJ	0.07 BJ	0.048 BJ	
Perfluoropentanoic Acid (PFPeA)	--	--	--	UG/KG	0.024 BJ	0.024 BJ	0.035 BJ	0.067 BJ	
Perfluorotetradecanoic acid (PFTA)	--	--	--	UG/KG	0.021 U	0.021 J	0.021 U	0.021 U	
Perfluorotridecanoic Acid (PFTriA)	--	--	--	UG/KG	0.015 U	0.015 U	0.015 U	0.015 U	
Perfluoroundecanoic Acid (PFUnA)	--	--	--	UG/KG	0.027 U	0.027 U	0.027 U	0.027 U	
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	--	--	UG/KG	0.033 U	0.033 U	0.033 U	0.033 U	
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	UG/KG	0.025 U	0.025 U	0.025 U	0.025 U	

Table 9. Summary of Per- and Polyfluoroalkyl Substances in Soil, 4125-4129 Laconia Avenue, Bronx, New York

					Sample Designation:	RSB-7	RSB-7	RSB-8	RSB-8
					Sample Date:	11/09/2020	11/10/2020	11/09/2020	11/09/2020
					Sample Depth (ft bls):	0 - 2	11 - 13	0 - 2	3 - 5
					Normal Sample or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	UG/KG	0.038 U	0.037 U	0.036 U	0.038 U	
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	UG/KG	0.033 U	0.033 U	0.032 U	0.033 U	
Perfluorobutanesulfonic acid (PFBS)	--	--	--	UG/KG	0.013 J	0.0097 U	0.011 J	0.013 J	
Perfluorobutanoic Acid	--	--	--	UG/KG	0.21 U	0.21 U	0.2 U	0.21 U	
Perfluorodecane Sulfonic Acid	--	--	--	UG/KG	0.021 U	0.021 U	0.02 U	0.021 U	
Perfluorodecanoic acid (PFDA)	--	--	--	UG/KG	0.023 U	0.023 U	0.022 U	0.023 U	
Perfluorododecanoic acid (PFDoA)	--	--	--	UG/KG	0.017 U	0.017 U	0.016 U	0.017 U	
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	UG/KG	0.017 U	0.017 U	0.016 U	0.017 U	
Perfluoroheptanoic acid (PFHpA)	--	--	--	UG/KG	0.025 U	0.025 U	0.045 J	0.062 J	
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	UG/KG	0.017 U	0.017 U	0.023 J	0.036 J	
Perfluorohexanoic acid (PFHxA)	--	--	--	UG/KG	0.027 U	0.026 U	0.028 J	0.051 J	
Perfluorononanoic acid (PFNA)	--	--	--	UG/KG	0.022 U	0.022 U	0.021 U	0.022 U	
Perfluorooctane Sulfonamide (FOSA)	--	--	--	UG/KG	0.0097 U	0.0097 U	0.0094 U	0.0097 U	
Perfluorooctanesulfonic acid (PFOS)	0.88	440	3.7	UG/KG	0.078 J	0.12 J	0.076 J	0.091 J	
Perfluorooctanoic acid (PFOA)	0.66	500	1.1	UG/KG	0.033 BJ	0.018 BJ	0.087 BJ	0.14 BJ	
Perfluoropentanoic Acid (PFPeA)	--	--	--	UG/KG	0.02 U	0.02 U	0.024 J	0.027 J	
Perfluorotetradecanoic acid (PFTA)	--	--	--	UG/KG	0.021 U	0.021 U	0.02 U	0.021 U	
Perfluorotridecanoic Acid (PFTriA)	--	--	--	UG/KG	0.014 U	0.014 U	0.014 U	0.014 U	
Perfluoroundecanoic Acid (PFUnA)	--	--	--	UG/KG	0.027 U	0.026 U	0.026 U	0.027 U	
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	--	--	UG/KG	0.032 U	0.032 U	0.031 U	0.032 U	
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	UG/KG	0.024 U	0.024 U	0.026 BJ	0.024 U	

Table 10. Summary of Volatile Organic Compounds in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			MW-1	MW-2	MW-3	MW-9R	MW-9R	RMW-1	RMW-2
Sample Date:			12/02/2020	12/02/2020	12/02/2020	12/01/2020	12/01/2020	12/01/2020	12/01/2020
Normal Sample or Field Duplicate:			N	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units							
1,1,1-Trichloroethane (TCA)	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
1,1,2,2-Tetrachloroethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
1,1,2-Trichloroethane	1	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
1,1-Dichloroethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
1,1-Dichloroethene	5	UG/L	1 U	0.38 J	0.36 J	1 U	1 U	200 U	20 U
1,2,3-Trichlorobenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
1,2,4-Trichlorobenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 UT	20 UT
1,2,4-Trimethylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
1,2-Dibromoethane (Ethylene Dibromide)	--	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
1,2-Dichlorobenzene	3	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
1,2-Dichloroethane	0.6	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
1,3-Dichlorobenzene	3	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
1,4-Dichlorobenzene	3	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
2-Hexanone	50	UG/L	5 U	5 U	5 U	5 U	5 U	1000 U	100 U
Acetone	50	UG/L	5 U	5 U	5 U	5 U	5 U	1000 U	100 U
Benzene	1	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Bromochloromethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Bromodichloromethane	50	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Bromoform	50	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Bromomethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Carbon Disulfide	60	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Carbon Tetrachloride	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Chlorobenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Chloroethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Chloroform	7	UG/L	1 U	0.47 J	0.4 J	1 U	1 U	200 U	20 U
Chloromethane	--	UG/L	1.2	0.87 J	1 U	0.44 J	0.42 J	200 U	20 U
Cis-1,2-Dichloroethylene	5	UG/L	5.4	98	28	1 U	1 U	200 U	93
Cis-1,3-Dichloropropene	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U

Table 10. Summary of Volatile Organic Compounds in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			MW-1	MW-2	MW-3	MW-9R	MW-9R	RMW-1	RMW-2
Sample Date:			12/02/2020	12/02/2020	12/02/2020	12/01/2020	12/01/2020	12/01/2020	12/01/2020
Normal Sample or Field Duplicate:			N	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units							
Cyclohexane	--	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Dibromochloromethane	50	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Dichlorodifluoromethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Ethylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Isopropylbenzene (Cumene)	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
m,p-Xylene	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Methyl Acetate	--	UG/L	5 U	5 U	5 U	5 U	5 U	1000 U	100 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U	5 U	1000 U	100 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U	5 U	1000 U	100 U
Methylcyclohexane	--	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Methylene Chloride	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
N-Butylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
N-Propylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Sec-Butylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Styrene	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
T-Butylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Tert-Butyl Methyl Ether	10	UG/L	1 U	1.9	2.3	1 U	1 U	200 U	89
Tetrachloroethylene (PCE)	5	UG/L	26	1500	880	2.8	3.2	39000	4700
Toluene	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Trans-1,2-Dichloroethene	5	UG/L	1 U	3.5	3.1	1 U	1 U	200 U	20 U
Trans-1,3-Dichloropropene	--	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Trichloroethylene (TCE)	5	UG/L	11	310	120	1.1	1.2	480	1300
Trichlorofluoromethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	200 U	20 U
Vinyl Chloride	2	UG/L	1 U	1.9	0.2 J	1 U	1 U	200 U	20 U
Xylenes	5	UG/L	2 U	2 U	2 U	2 U	2 U	400 U	40 U

Table 10. Summary of Volatile Organic Compounds in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			RMW-3	RMW-4	RMW-5	RMW-6	RMW-7	RMW-8	RMW-9
Sample Date:			12/01/2020	12/01/2020	12/01/2020	12/02/2020	12/01/2020	12/02/2020	12/02/2020
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units							
1,1,1-Trichloroethane (TCA)	5	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	UG/L	1 U	20 U	1 U	3	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	UG/L	1 U	20 U	1 UT	1 U	1 UT	1 U	1 U
1,2,4-Trimethylbenzene	5	UG/L	1 U	1900	1 U	1 U	0.47 J	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	--	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	1 U	480	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50	UG/L	5 U	100 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	UG/L	5 U	100 U	5 U	7.1	5 U	5 U	5 U
Benzene	1	UG/L	1 U	63	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	5	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	60	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	--	UG/L	1 U	20 U	1 U	0.61 J	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	UG/L	1 U	20 U	1.9	960	59	1 U	14
Cis-1,3-Dichloropropene	5	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U

Table 10. Summary of Volatile Organic Compounds in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			RMW-3	RMW-4	RMW-5	RMW-6	RMW-7	RMW-8	RMW-9
Sample Date:			12/01/2020	12/01/2020	12/01/2020	12/02/2020	12/01/2020	12/02/2020	12/02/2020
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units							
Cyclohexane	--	UG/L	1 U	110	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	50	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	UG/L	1 U	2300	1 U	1 U	0.6 J	1 U	1 U
Isopropylbenzene (Cumene)	5	UG/L	1 U	100	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	5	UG/L	1 U	5500	1 U	1 U	1.4	1 U	1 U
Methyl Acetate	--	UG/L	5 U	100 U	5 U	5 U	5 U	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	100 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	100 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	--	UG/L	1 U	94	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
N-Butylbenzene	5	UG/L	1 U	22	1 U	1 U	1 U	1 U	1 U
N-Propylbenzene	5	UG/L	1 U	260	1 U	1 U	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	1 U	2700	1 U	1 U	0.77 J	1 U	1 U
Sec-Butylbenzene	5	UG/L	1 U	11 J	1 U	1 U	1 U	1 U	1 U
Styrene	5	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
T-Butylbenzene	5	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	10	UG/L	1 U	20 U	1.9	24	1.4	1 U	1 U
Tetrachloroethylene (PCE)	5	UG/L	1 U	41	38	830	370	1.1	0.9 J
Toluene	5	UG/L	1 U	540	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	UG/L	1 U	20 U	0.29 J	260	4.8	1 U	1 U
Trans-1,3-Dichloropropene	--	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	UG/L	1 U	20 U	17	1800	110	0.31 J	0.49 J
Trichlorofluoromethane	5	UG/L	1 U	20 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	UG/L	1 U	20 U	1 U	42	0.55 J	1 U	1 U
Xylenes	5	UG/L	2 U	8200	2 U	2 U	2.1	2 U	2 U

Table 10. Summary of Volatile Organic Compounds in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			RMW-10	SUMP-2	SUMP-3
Sample Date:			12/02/2020	12/01/2020	12/02/2020
Normal Sample or Field Duplicate:			N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units			
1,1,1-Trichloroethane (TCA)	5	UG/L	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	UG/L	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	UG/L	1 U	1 U	1 U
1,1,2-Trichloroethane	1	UG/L	1 U	1 U	1 U
1,1-Dichloroethane	5	UG/L	1 U	1 U	1 U
1,1-Dichloroethene	5	UG/L	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	UG/L	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	UG/L	1 U	1 UT	1 U
1,2,4-Trimethylbenzene	5	UG/L	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	1 U	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	--	UG/L	1 U	1 U	1 U
1,2-Dichlorobenzene	3	UG/L	1 U	1 U	1 U
1,2-Dichloroethane	0.6	UG/L	1 U	1 U	1 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	1 U	1 U	1 U
1,3-Dichlorobenzene	3	UG/L	1 U	1 U	1 U
1,4-Dichlorobenzene	3	UG/L	1 U	1 U	1 U
2-Hexanone	50	UG/L	5 U	5 U	5 U
Acetone	50	UG/L	5 U	5 U	120
Benzene	1	UG/L	1 U	1 U	1 U
Bromochloromethane	5	UG/L	1 U	1 U	1 U
Bromodichloromethane	50	UG/L	1 U	1 U	1 U
Bromoform	50	UG/L	1 U	1 U	1 U
Bromomethane	5	UG/L	1 U	1 U	1 U
Carbon Disulfide	60	UG/L	1 U	1 U	5.4
Carbon Tetrachloride	5	UG/L	1 U	1 U	1 U
Chlorobenzene	5	UG/L	1 U	1 U	1.1
Chloroethane	5	UG/L	1 U	1 U	1 U
Chloroform	7	UG/L	1 U	1 U	29
Chloromethane	--	UG/L	0.76 J	1 U	2.5
Cis-1,2-Dichloroethylene	5	UG/L	1 U	59	1 U
Cis-1,3-Dichloropropene	5	UG/L	1 U	1 U	1 U

Table 10. Summary of Volatile Organic Compounds in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			RMW-10	SUMP-2	SUMP-3
Sample Date:			12/02/2020	12/01/2020	12/02/2020
Normal Sample or Field Duplicate:			N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units			
Cyclohexane	--	UG/L	1 U	1 U	1 U
Dibromochloromethane	50	UG/L	1 U	1 U	1 U
Dichlorodifluoromethane	5	UG/L	1 U	1 U	1 U
Ethylbenzene	5	UG/L	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	UG/L	1 U	1 U	1 U
m,p-Xylene	5	UG/L	1 U	1 U	1 U
Methyl Acetate	--	UG/L	5 U	5 U	1.6 J
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	8.1
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U
Methylcyclohexane	--	UG/L	1 U	1 U	1 U
Methylene Chloride	5	UG/L	1 U	1 U	16
N-Butylbenzene	5	UG/L	1 U	1 U	1 U
N-Propylbenzene	5	UG/L	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	1 U	1 U	1 U
Sec-Butylbenzene	5	UG/L	1 U	1 U	1 U
Styrene	5	UG/L	1 U	1 U	1 U
T-Butylbenzene	5	UG/L	1 U	1 U	1 U
Tert-Butyl Methyl Ether	10	UG/L	1 U	1.4	1 U
Tetrachloroethylene (PCE)	5	UG/L	1 U	420	0.48 J
Toluene	5	UG/L	1 U	1 U	15
Trans-1,2-Dichloroethene	5	UG/L	1 U	5.5	1 U
Trans-1,3-Dichloropropene	--	UG/L	1 U	1 U	1 U
Trichloroethylene (TCE)	5	UG/L	1 U	130	1 U
Trichlorofluoromethane	5	UG/L	1 U	1 U	1 U
Vinyl Chloride	2	UG/L	1 U	0.51 J	1 U
Xylenes	5	UG/L	2 U	2 U	2 U

Table 11. Summary of Semivolatile Organic Compounds in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			MW-1	MW-2	MW-3	MW-9R	MW-9R	RMW-1	RMW-2
Sample Date:			12/02/2020	12/02/2020	12/02/2020	12/01/2020	12/01/2020	12/01/2020	12/01/2020
Normal Sample or Field Duplicate:			N	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units							
1,2,4,5-Tetrachlorobenzene	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dioxane (P-Dioxane)	--	UG/L	0.2 U	0.2 U	0.99	0.2 U	0.2 U	0.2 U	0.099 J
2,3,4,6-Tetrachlorophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	10	UG/L	30 U	30 U	30 U	30 U	30 U	30 U	30 U
2,4-Dinitrotoluene	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2,6-Dinitrotoluene	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Chloronaphthalene	10	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (O-Cresol)	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	5	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U
2-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U
3-Nitroaniline	5	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4,6-Dinitro-2-Methylphenol	--	UG/L	30 U	30 U	30 U	30 U	30 U	30 U	30 U
4-Bromophenyl Phenyl Ether	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chlorophenyl Phenyl Ether	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol (P-Cresol)	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	5	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4-Nitrophenol	--	UG/L	30 U	30 U	30 U	30 U	30 U	30 U	30 U
Acenaphthene	20	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	20	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetophenone	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Atrazine	--	UG/L	10 UT	10 UT	10 UT	10 U	10 U	10 U	10 U
Benzaldehyde	--	UG/L	10 U	10 U	10 U	10 UT	10 UT	10 UT	10 UT

Table 11. Summary of Semivolatile Organic Compounds in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			MW-1	MW-2	MW-3	MW-9R	MW-9R	RMW-1	RMW-2
Sample Date:			12/02/2020	12/02/2020	12/02/2020	12/01/2020	12/01/2020	12/01/2020	12/01/2020
Normal Sample or Field Duplicate:			N	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units							
Benzo(A)Anthracene	0.002	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(A)Pyrene	0	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(B)Fluoranthene	0.002	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(G,H,I)Perylene	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(K)Fluoranthene	0.002	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzyl Butyl Phthalate	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Biphenyl (Diphenyl)	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethoxy) Methane	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bis(2-Chloroisopropyl) Ether	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Caprolactam	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002	UG/L	10 U	10 U	10 U	10 UT	10 UT	10 UT	10 UT
Cresols, M & P	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(A,H)Anthracene	--	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibenzofuran	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-N-Butyl Phthalate	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-N-Octylphthalate	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	0.5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Hexachlorocyclopentadiene	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Indeno(1,2,3-C,D)Pyrene	0.002	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Isophorone	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Nitrobenzene	0.4	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
N-Nitrosodi-N-Propylamine	--	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 11. Summary of Semivolatile Organic Compounds in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			MW-1	MW-2	MW-3	MW-9R	MW-9R	RMW-1	RMW-2
Sample Date:			12/02/2020	12/02/2020	12/02/2020	12/01/2020	12/01/2020	12/01/2020	12/01/2020
Normal Sample or Field Duplicate:			N	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units							
N-Nitrosodiphenylamine	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	1	UG/L	30 U	30 U	30 U	30 U	30 U	30 U	30 U
Phenanthrene	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	1	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 11. Summary of Semivolatile Organic Compounds in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			RMW-3	RMW-4	RMW-5	RMW-6	RMW-7	RMW-8	RMW-9
Sample Date:			12/01/2020	12/01/2020	12/01/2020	12/02/2020	12/01/2020	12/02/2020	12/02/2020
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units							
1,2,4,5-Tetrachlorobenzene	--	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
1,4-Dioxane (P-Dioxane)	--	UG/L	0.2 U	0.057 J	0.064 J	0.2 U	0.2 U	0.2 U	0.2 U
2,3,4,6-Tetrachlorophenol	--	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	--	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	--	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	5	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	50	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	10	UG/L	30 U	150 U	30 U	30 U	30 U	30 U	30 U
2,4-Dinitrotoluene	5	UG/L	2 U	10 U	2 U	2 U	2 U	2 U	2 U
2,6-Dinitrotoluene	5	UG/L	2 U	10 U	2 U	2 U	1.5 J	2 U	2 U
2-Chloronaphthalene	10	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	--	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	--	UG/L	10 U	130	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (O-Cresol)	--	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	5	UG/L	20 U	100 U	20 U	20 U	20 U	20 U	20 U
2-Nitrophenol	--	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	UG/L	20 U	100 U	20 U	20 U	20 U	20 U	20 U
3-Nitroaniline	5	UG/L	20 U	100 U	20 U	20 U	20 U	20 U	20 U
4,6-Dinitro-2-Methylphenol	--	UG/L	30 U	150 U	30 U	30 U	30 U	30 U	30 U
4-Bromophenyl Phenyl Ether	--	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	--	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	5	UG/L	1 U	5 U	1 U	1 U	1 U	1 U	1 U
4-Chlorophenyl Phenyl Ether	--	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol (P-Cresol)	--	UG/L	10 U	5.8 J	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	5	UG/L	20 U	100 U	20 U	20 U	20 U	20 U	20 U
4-Nitrophenol	--	UG/L	30 U	150 U	30 U	30 U	30 U	30 U	30 U
Acenaphthene	20	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	20	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Acetophenone	--	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Atrazine	--	UG/L	10 U	50 U	10 U	10 UT	10 U	10 UT	10 UT
Benzaldehyde	--	UG/L	10 UT	50 UT	10 UT	10 U	10 UT	10 U	10 U

Table 11. Summary of Semivolatile Organic Compounds in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			RMW-3	RMW-4	RMW-5	RMW-6	RMW-7	RMW-8	RMW-9
Sample Date:			12/01/2020	12/01/2020	12/01/2020	12/02/2020	12/01/2020	12/02/2020	12/02/2020
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units							
Benzo(A)Anthracene	0.002	UG/L	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Benzo(A)Pyrene	0	UG/L	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Benzo(B)Fluoranthene	0.002	UG/L	2 U	10 U	2 U	2 U	2 U	2 U	2 U
Benzo(G,H,I)Perylene	--	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Benzo(K)Fluoranthene	0.002	UG/L	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Benzyl Butyl Phthalate	50	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Biphenyl (Diphenyl)	--	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethoxy) Methane	5	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Bis(2-Chloroisopropyl) Ether	5	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Caprolactam	--	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Carbazole	--	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002	UG/L	10 UT	50 UT	10 UT	10 U	10 UT	10 U	10 U
Cresols, M & P	--	UG/L	10 U	5.8 J	10 U	10 U	10 U	10 U	10 U
Dibenz(A,H)Anthracene	--	UG/L	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Dibenzofuran	--	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Diethyl Phthalate	50	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	50	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Di-N-Butyl Phthalate	50	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Di-N-Octylphthalate	--	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	UG/L	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	0.5	UG/L	2 U	10 U	2 U	2 U	2 U	2 U	2 U
Hexachlorocyclopentadiene	5	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	5	UG/L	2 U	10 U	2 U	2 U	2 U	2 U	2 U
Indeno(1,2,3-C,D)Pyrene	0.002	UG/L	2 U	10 U	2 U	2 U	2 U	2 U	2 U
Isophorone	50	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	UG/L	2 U	590	2 U	2 U	1 J	2 U	2 U
Nitrobenzene	0.4	UG/L	1 U	5 U	1 U	1 U	1 U	1 U	1 U
N-Nitrosodi-N-Propylamine	--	UG/L	1 U	5 U	1 U	1 U	1 U	1 U	1 U

Table 11. Summary of Semivolatile Organic Compounds in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			RMW-3	RMW-4	RMW-5	RMW-6	RMW-7	RMW-8	RMW-9
Sample Date:			12/01/2020	12/01/2020	12/01/2020	12/02/2020	12/01/2020	12/02/2020	12/02/2020
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units							
N-Nitrosodiphenylamine	50	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	1	UG/L	30 U	150 U	30 U	30 U	30 U	30 U	30 U
Phenanthrene	50	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Phenol	1	UG/L	10 U	50 U	10 U	0.69 J	10 U	10 U	10 U
Pyrene	50	UG/L	10 U	50 U	10 U	10 U	10 U	10 U	10 U

Table 11. Summary of Semivolatile Organic Compounds in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			RMW-10	SUMP-2	SUMP-3
Sample Date:			12/02/2020	12/01/2020	12/02/2020
Normal Sample or Field Duplicate:			N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units			
1,2,4,5-Tetrachlorobenzene	--	UG/L	10 U	10 U	10 U
1,4-Dioxane (P-Dioxane)	--	UG/L	0.2 U	0.2 U	4.6
2,3,4,6-Tetrachlorophenol	--	UG/L	10 U	10 U	10 U
2,4,5-Trichlorophenol	--	UG/L	10 U	10 U	10 U
2,4,6-Trichlorophenol	--	UG/L	10 U	10 U	10 U
2,4-Dichlorophenol	5	UG/L	10 U	10 U	10 U
2,4-Dimethylphenol	50	UG/L	10 U	10 U	10 U
2,4-Dinitrophenol	10	UG/L	30 U	30 U	30 U
2,4-Dinitrotoluene	5	UG/L	2 U	2 U	2 U
2,6-Dinitrotoluene	5	UG/L	2 U	2 U	2 U
2-Chloronaphthalene	10	UG/L	10 U	10 U	10 U
2-Chlorophenol	--	UG/L	10 U	10 U	10 U
2-Methylnaphthalene	--	UG/L	10 U	10 U	10 U
2-Methylphenol (O-Cresol)	--	UG/L	10 U	10 U	10 U
2-Nitroaniline	5	UG/L	20 U	20 U	20 U
2-Nitrophenol	--	UG/L	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	UG/L	20 U	20 U	20 U
3-Nitroaniline	5	UG/L	20 U	20 U	20 U
4,6-Dinitro-2-Methylphenol	--	UG/L	30 U	30 U	30 U
4-Bromophenyl Phenyl Ether	--	UG/L	10 U	10 U	10 U
4-Chloro-3-Methylphenol	--	UG/L	10 U	10 U	10 U
4-Chloroaniline	5	UG/L	1 U	1 U	1 U
4-Chlorophenyl Phenyl Ether	--	UG/L	10 U	10 U	10 U
4-Methylphenol (P-Cresol)	--	UG/L	10 U	10 U	28
4-Nitroaniline	5	UG/L	20 U	20 U	20 U
4-Nitrophenol	--	UG/L	30 U	30 U	30 U
Acenaphthene	20	UG/L	10 U	10 U	10 U
Acenaphthylene	20	UG/L	10 U	10 U	10 U
Acetophenone	--	UG/L	10 U	10 U	10 U
Anthracene	50	UG/L	10 U	10 U	10 U
Atrazine	--	UG/L	10 UT	10 U	10 UT
Benzaldehyde	--	UG/L	10 U	10 UT	3.1 J

Table 11. Summary of Semivolatile Organic Compounds in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			RMW-10	SUMP-2	SUMP-3
Sample Date:			12/02/2020	12/01/2020	12/02/2020
Normal Sample or Field Duplicate:			N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units			
Benzo(A)Anthracene	0.002	UG/L	1 U	1 U	1 U
Benzo(A)Pyrene	0	UG/L	1 U	1 U	1 U
Benzo(B)Fluoranthene	0.002	UG/L	2 U	2 U	2 U
Benzo(G,H,I)Perylene	--	UG/L	10 U	10 U	10 U
Benzo(K)Fluoranthene	0.002	UG/L	1 U	1 U	1 U
Benzyl Butyl Phthalate	50	UG/L	10 U	10 U	10 U
Biphenyl (Diphenyl)	--	UG/L	10 U	10 U	10 U
Bis(2-Chloroethoxy) Methane	5	UG/L	10 U	10 U	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	1 U	1 U	1 U
Bis(2-Chloroisopropyl) Ether	5	UG/L	10 U	10 U	10 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L	10 U	10 U	2.9 J
Caprolactam	--	UG/L	10 U	10 U	10 U
Carbazole	--	UG/L	10 U	10 U	10 U
Chrysene	0.002	UG/L	10 U	10 UT	10 U
Cresols, M & P	--	UG/L	10 U	10 U	28
Dibenz(A,H)Anthracene	--	UG/L	1 U	1 U	1 U
Dibenzofuran	--	UG/L	10 U	10 U	10 U
Diethyl Phthalate	50	UG/L	10 U	10 U	10 U
Dimethyl Phthalate	50	UG/L	10 U	10 U	10 U
Di-N-Butyl Phthalate	50	UG/L	10 U	10 U	10 U
Di-N-Octylphthalate	--	UG/L	10 U	10 U	10 U
Fluoranthene	50	UG/L	10 U	10 U	10 U
Fluorene	50	UG/L	10 U	10 U	10 U
Hexachlorobenzene	0.04	UG/L	1 U	1 U	1 U
Hexachlorobutadiene	0.5	UG/L	2 U	2 U	2 U
Hexachlorocyclopentadiene	5	UG/L	10 U	10 U	10 U
Hexachloroethane	5	UG/L	2 U	2 U	2 U
Indeno(1,2,3-C,D)Pyrene	0.002	UG/L	2 U	2 U	2 U
Isophorone	50	UG/L	10 U	10 U	10 U
Naphthalene	10	UG/L	2 U	2 U	2 U
Nitrobenzene	0.4	UG/L	1 U	1 U	1 U
N-Nitrosodi-N-Propylamine	--	UG/L	1 U	1 U	1 U

Table 11. Summary of Semivolatile Organic Compounds in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			RMW-10	SUMP-2	SUMP-3
Sample Date:			12/02/2020	12/01/2020	12/02/2020
Normal Sample or Field Duplicate:			N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units			
N-Nitrosodiphenylamine	50	UG/L	10 U	10 U	10 U
Pentachlorophenol	1	UG/L	30 U	30 U	30 U
Phenanthrene	50	UG/L	10 U	10 U	10 U
Phenol	1	UG/L	10 U	10 U	3.3 J
Pyrene	50	UG/L	10 U	10 U	10 U

Table 12. Summary of Metals in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			MW-1	MW-1	MW-2	MW-2	MW-3	MW-3	MW-9R	MW-9R	MW-9R
Sample Date:			12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/02/2020	12/01/2020	12/01/2020	12/01/2020
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N	FD
Total or Dissolved:			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units									
Aluminum	--	UG/L	4510	40 U	360	40 U	30600	40 U	21.2 J	40 U	11.8 J
Antimony	3	UG/L	2 U	2 U	2 U	2 U	1.6 J	2 U	2 U	2 U	2 U
Arsenic	25	UG/L	0.89 J	2 U	2 U	2 U	5.8	2 U	2 U	2 U	2 U
Barium	1000	UG/L	114	67	156	128	334	112	124	107	125
Beryllium	3	UG/L	0.15 J	0.8 U	0.8 U	0.8 U	1.7	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	5	UG/L	2 U	2 U	2 U	2 U	2.3	0.98 J	2 U	2 U	2 U
Calcium	--	UG/L	49100	52200	99700	93400	139000	153000	65600	68200	70800
Chromium, Total	50	UG/L	9	4 U	1.4 J	4 U	78.1	4 U	4 U	4 U	4 U
Cobalt	--	UG/L	4	1.2 J	5.4	2.5 J	27.7	4.3	6.7	4.4	6.2
Copper	200	UG/L	15.7	4 U	2.6 J	4 U	213	7.5	4 U	4 U	4 U
Iron	300	UG/L	5370	120 U	543	120 U	35900	11.2 J	421	120 U	349
Lead	25	UG/L	12.2	1.2 U	0.37 J	1.2 U	202	0.91 J	1.2 U	1.2 U	1.2 U
Magnesium	35000	UG/L	9070	8400	24100	22000	41500	36700	26500	25300	27400
Manganese	300	UG/L	629	560	1740	1030	2820	2450	2590	2340	2470
Mercury	0.7	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.13 J	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	7.6	1.6 J	7.6	5.4	75.3	14.9	7.7	6.7	7.4
Potassium	--	UG/L	4790	4370	7470	6620	14900	8210	4300	4310	4430
Selenium	10	UG/L	8.2	10.4	1.2 J	1.2 J	3.1	3.6	0.75 J	1 J	0.83 J
Silver	50	UG/L	2 U	2 U	2 U	2 U	0.39 J	2 U	2 U	2 U	2 U
Sodium	20000	UG/L	132000	137000	166000	148000	227000	251000	179000	166000	187000
Thallium	0.5	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.5 J	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	--	UG/L	9.7	4 U	1.2 J	4 U	52.6	4 U	4 U	4 U	4 U
Zinc	2000	UG/L	29.1	16 U	16 U	16 U	246	7.7 J	16 U	16 U	16 U

Table 12. Summary of Metals in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			MW-9R	RMW-1	RMW-1	RMW-2	RMW-2	RMW-3	RMW-3	RMW-4	RMW-4
Sample Date:			12/01/2020	12/01/2020	12/01/2020	12/01/2020	12/01/2020	12/01/2020	12/01/2020	12/01/2020	12/01/2020
Normal Sample or Field Duplicate:			FD	N	N	N	N	N	N	N	N
Total or Dissolved:			Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units									
Aluminum	--	UG/L	40 U	232	9.9 J	10.3 J	40 U	15.4 J	40 U	222	40 U
Antimony	3	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.93 J	0.76 J
Arsenic	25	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5	2.7
Barium	1000	UG/L	97.9	118	98.4	6.3	9.8	124	79.8	307	253
Beryllium	3	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Calcium	--	UG/L	66600	130000	127000	112000	100000	71200	101000	141000	136000
Chromium, Total	50	UG/L	4 U	0.9 J	4 U	4 U	4 U	4 U	4 U	0.77 J	4 U
Cobalt	--	UG/L	4.1	7.1	6.2	4 U	4 U	6.2	3 J	1.1 J	1.1 J
Copper	200	UG/L	4 U	5.5	3.7 J	4 U	4 U	4 U	4 U	6.5	4 U
Iron	300	UG/L	36 J	235	120 U	1390	120 U	353	10.3 J	3090	39.6 J
Lead	25	UG/L	1.2 U	0.19 J	0.12 BJ	1.2 U	0.15 BJ	1.2 U	1.2 U	0.29 J	0.14 BJ
Magnesium	35000	UG/L	24700	35200	31200	34200	29400	27200	36400	42800	37500
Manganese	300	UG/L	2140	3190	2960	391	328	2480	1470	5380	5050
Mercury	0.7	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	6.5	7.9	7	0.83 J	4 U	7.5	3.7 J	4	2.9 J
Potassium	--	UG/L	4280	7690	6940	7140	6700	4460	6870	5510	5190
Selenium	10	UG/L	0.94 J	0.97 J	0.8 J	2.5 U	2.5 U	1 J	1 J	0.52 J	2.5 U
Silver	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Sodium	20000	UG/L	159000	176000	158000	26400	23300	188000	59100	375000	320000
Thallium	0.5	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	--	UG/L	4 U	1.3 J	4 U	4 U	4 U	4 U	4 U	1.5 J	4 U
Zinc	2000	UG/L	16 U	16 U	5.8 J	16 U	10.6 J	16 U	16 U	16 U	7.4 J

Table 12. Summary of Metals in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			RMW-5	RMW-5	RMW-6	RMW-6	RMW-7	RMW-7	RMW-8	RMW-8	RMW-9
Sample Date:			12/01/2020	12/01/2020	12/02/2020	12/02/2020	12/01/2020	12/01/2020	12/02/2020	12/02/2020	12/02/2020
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N	N
Total or Dissolved:			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units									
Aluminum	--	UG/L	138	40 U	192	40 U	2630	140	6040	40 U	890
Antimony	3	UG/L	2 U	2 U	2 U	2 U	3.8	3.2	2 U	2 U	2 U
Arsenic	25	UG/L	2 U	2 U	1.9 J	2 U	3.5	2.4	2 U	2 U	2 U
Barium	1000	UG/L	148	126	34.3	25.3	148	46	91.4	38.3	149
Beryllium	3	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.15 J	0.8 U	0.22 J	0.8 U	0.8 U
Cadmium	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Calcium	--	UG/L	114000	111000	105000	102000	134000	110000	30100	33300	66100
Chromium, Total	50	UG/L	4 U	4 U	4 U	4 U	12.5	6	14.3	4 U	2.1 J
Cobalt	--	UG/L	4.4	4.1	0.33 J	4 U	5.5	0.81 J	5.5	0.78 J	3.2 J
Copper	200	UG/L	5.1	4.3	4 U	4 U	24	2.8 J	19	4 U	3.8 J
Iron	300	UG/L	139	120 U	3940	120 U	2460	120 U	8960	120 U	1450
Lead	25	UG/L	1.2 U	1.2 U	0.82 J	1.2 U	11.1	0.12 BJ	4.1	1.2 U	0.72 J
Magnesium	35000	UG/L	26000	24000	24800	23100	2090	4460	8950	6650	23700
Manganese	300	UG/L	2470	2430	872	783	186	92.4	868	692	1710
Mercury	0.7	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	5.4	4.5	1.3 J	0.82 J	16	6.7	12.5	1.5 J	5.1
Potassium	--	UG/L	5410	5320	8590	7990	16000	12900	7500	5710	5740
Selenium	10	UG/L	2.5 U	0.48 J	2.5 U	2.5 U	4.4	3.9	2.4 J	3.4	1 J
Silver	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Sodium	20000	UG/L	238000	218000	27500	25400	57300	57800	86100	93900	323000
Thallium	0.5	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	--	UG/L	1.7 J	0.67 J	0.62 J	4 U	38.8	19.4	16.7	4 U	2.6 J
Zinc	2000	UG/L	16 U	16 U	14 J	5.8 J	45.4	7.9 J	29.5	16 U	16 U

Table 12. Summary of Metals in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			RMW-9	RMW-10	RMW-10	SUMP-2	SUMP-2	SUMP-3	SUMP-3
Sample Date:			12/02/2020	12/02/2020	12/02/2020	12/01/2020	12/01/2020	12/02/2020	12/02/2020
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N
Total or Dissolved:			Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units							
Aluminum	--	UG/L	40 U	4370	40 U	54.1	40 U	742	470
Antimony	3	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Arsenic	25	UG/L	2 U	2.1	2 U	2 U	2 U	1.3 J	2 U
Barium	1000	UG/L	104	60.9	128	51.3	39.5	104	84.6
Beryllium	3	UG/L	0.8 U	0.25 J	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	5	UG/L	0.98 J	2 U	2 U	2 U	2 U	2 U	2 U
Calcium	--	UG/L	151000	7640	68700	78300	76600	32500	35700
Chromium, Total	50	UG/L	4 U	5.8	4 U	4 U	4 U	9.3	7.3
Cobalt	--	UG/L	4.4	2.3 J	2.5 J	0.28 J	0.34 J	2.6 J	2.6 J
Copper	200	UG/L	6.5	9.3	4 U	3.3 J	4 U	68.8	6.4
Iron	300	UG/L	120 U	4890	120 U	165	120 U	83400	87400
Lead	25	UG/L	0.11 J	6.1	1.2 U	0.53 J	1.2 U	1.8	0.34 J
Magnesium	35000	UG/L	35800	1620	23600	14300	12600	4490	4540
Manganese	300	UG/L	2470	336	1670	12.6	66.8	614	623
Mercury	0.7	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	14.3	7.3	2.7 J	3.3 J	2.3 J	6.6	6.5
Potassium	--	UG/L	8060	2510	5280	8210	6810	18900	18700
Selenium	10	UG/L	3	2.5 U	0.75 J	1.8 J	2.3 J	0.57 J	0.77 J
Silver	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Sodium	20000	UG/L	241000	71900	309000	92000	84400	34200	34400
Thallium	0.5	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	--	UG/L	4 U	8.5	4 U	0.55 J	4 U	5.8	2.8 J
Zinc	2000	UG/L	6.1 J	507	16 U	27.2	9.6 J	68.8	20.6

Table 13. Summary of Polychlorinated Biphenyls in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			MW-1	MW-2	MW-3	MW-9R	MW-9R	RMW-1	RMW-2	RMW-3
Sample Date:			12/02/2020	12/02/2020	12/02/2020	12/01/2020	12/01/2020	12/01/2020	12/01/2020	12/01/2020
Normal Sample or Field Duplicate:			N	N	N	N	FD	N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units								
PCB-1016 (Aroclor 1016)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1221 (Aroclor 1221)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1232 (Aroclor 1232)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1242 (Aroclor 1242)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1248 (Aroclor 1248)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1254 (Aroclor 1254)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1260 (Aroclor 1260)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1262 (Aroclor 1262)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1268 (Aroclor 1268)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Polychlorinated Biphenyl (PCBs)	0.09	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U

Table 13. Summary of Polychlorinated Biphenyls in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			RMW-4	RMW-5	RMW-6	RMW-7	RMW-8	RMW-9	RMW-10	SUMP-2
Sample Date:			12/01/2020	12/01/2020	12/02/2020	12/01/2020	12/02/2020	12/02/2020	12/02/2020	12/01/2020
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units								
PCB-1016 (Aroclor 1016)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1221 (Aroclor 1221)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1232 (Aroclor 1232)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1242 (Aroclor 1242)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1248 (Aroclor 1248)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1254 (Aroclor 1254)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1260 (Aroclor 1260)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1262 (Aroclor 1262)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1268 (Aroclor 1268)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Polychlorinated Biphenyl (PCBs)	0.09	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U

Table 13. Summary of Polychlorinated Biphenyls in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:		SUMP-3	
Sample Date:		12/02/2020	
Normal Sample or Field Duplicate:		N	
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units	
PCB-1016 (Aroclor 1016)	--	UG/L	0.4 U
PCB-1221 (Aroclor 1221)	--	UG/L	0.4 U
PCB-1232 (Aroclor 1232)	--	UG/L	0.4 U
PCB-1242 (Aroclor 1242)	--	UG/L	0.4 U
PCB-1248 (Aroclor 1248)	--	UG/L	0.4 U
PCB-1254 (Aroclor 1254)	--	UG/L	0.4 U
PCB-1260 (Aroclor 1260)	--	UG/L	0.4 U
PCB-1262 (Aroclor 1262)	--	UG/L	0.4 U
PCB-1268 (Aroclor 1268)	--	UG/L	0.4 U
Polychlorinated Biphenyl (PCBs)	0.09	UG/L	0.4 U

Table 14. Summary of Pesticides and Herbicides in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			MW-1	MW-2	MW-3	MW-9R	MW-9R	RMW-1	RMW-2
Sample Date:			12/02/2020	12/02/2020	12/02/2020	12/01/2020	12/01/2020	12/01/2020	12/01/2020
Normal Sample or Field Duplicate:			N	N	N	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units							
Aldrin	0	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Alpha Endosulfan	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Beta Bhc (Beta Hexachlorocyclohexane)	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Beta Endosulfan	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
cis-Chlordane	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Dieldrin	0.004	UG/L	0.02 U	0.02 U	0.02 U	0.022	0.023	0.02 U	0.02 U
Endosulfan Sulfate	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin	0	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Aldehyde	5	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Ketone	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Gamma Bhc (Lindane)	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor	0.04	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor Epoxide	0.03	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Methoxychlor	35	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDD	0.3	UG/L	0.02 U	0.035	0.02 U	0.02 U	0.02 U	0.011 JP	0.02 U
P,P'-DDE	0.2	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDT	0.2	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Toxaphene	0.06	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-Chlordane	0	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

Table 14. Summary of Pesticides and Herbicides in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			RMW-3	RMW-4	RMW-5	RMW-6	RMW-7	RMW-8	RMW-9
Sample Date:			12/01/2020	12/01/2020	12/01/2020	12/02/2020	12/01/2020	12/02/2020	12/02/2020
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units							
Aldrin	0	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Alpha Endosulfan	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Beta Bhc (Beta Hexachlorocyclohexane)	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Beta Endosulfan	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
cis-Chlordane	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Dieldrin	0.004	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin	0	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Aldehyde	5	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Ketone	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Gamma Bhc (Lindane)	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor	0.04	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor Epoxide	0.03	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Methoxychlor	35	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDD	0.3	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDE	0.2	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDT	0.2	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Toxaphene	0.06	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-Chlordane	0	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

Table 14. Summary of Pesticides and Herbicides in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			RMW-10	SUMP-2	SUMP-3
Sample Date:			12/02/2020	12/01/2020	12/02/2020
Normal Sample or Field Duplicate:			N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance Values	Units			
Aldrin	0	UG/L	0.02 U	0.02 U	0.02 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	--	UG/L	0.02 U	0.02 U	0.02 U
Alpha Endosulfan	--	UG/L	0.02 U	0.02 U	0.02 U
Beta Bhc (Beta Hexachlorocyclohexane)	--	UG/L	0.02 U	0.02 U	0.02 U
Beta Endosulfan	--	UG/L	0.02 U	0.02 U	0.02 U
cis-Chlordane	--	UG/L	0.02 U	0.017 JP	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	--	UG/L	0.02 U	0.02 U	0.02 U
Dieldrin	0.004	UG/L	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	--	UG/L	0.02 U	0.02 U	0.02 U
Endrin	0	UG/L	0.02 U	0.02 U	0.02 U
Endrin Aldehyde	5	UG/L	0.02 U	0.02 U	0.02 U
Endrin Ketone	--	UG/L	0.02 U	0.02 U	0.02 U
Gamma Bhc (Lindane)	--	UG/L	0.02 U	0.02 U	0.02 U
Heptachlor	0.04	UG/L	0.02 U	0.02 U	0.02 U
Heptachlor Epoxide	0.03	UG/L	0.02 U	0.02 U	0.02 U
Methoxychlor	35	UG/L	0.02 U	0.02 U	0.02 U
P,P'-DDD	0.3	UG/L	0.02 U	0.02 U	0.02 U
P,P'-DDE	0.2	UG/L	0.02 U	0.015 J	0.02 U
P,P'-DDT	0.2	UG/L	0.02 U	0.02 U	0.02 U
Toxaphene	0.06	UG/L	0.5 U	0.5 U	0.5 U
trans-Chlordane	0	UG/L	0.02 U	0.01 JP	0.02 U

Table 15. Summary of Perfluorinated Alkyl Acids and Dioxane in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			MW-1	MW-2	MW-3	MW-9R	MW-9R	RMW-1
Sample Date:			12/02/2020	12/02/2020	12/02/2020	12/01/2020	12/01/2020	12/01/2020
Normal Sample or Field Duplicate:			N	N	N	FD	N	N
Parameter	NYSDEC Drinking Water MCLs	Units						
1,4-Dioxane (P-Dioxane)	1	UG/L	0.016 U	0.016 U	0.99	0.016 U	0.016 U	0.016 U
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	NG/L	0.73 U	0.72 U	0.73 U	0.7 U	0.68 U	16.3
N-ethyl perfluorooctanesulfonamidoacetic acid	--	NG/L	0.86 U	0.85 U	0.86 U	1.17 J	0.79 U	7.18
Perfluorobutanesulfonic acid (PFBS)	--	NG/L	6.57	7.82	16.2	9.46	9.98	8.32
Perfluorobutanoic Acid	--	NG/L	5.06	23.8	22.7	17.8	18.6	18.1
Perfluorodecane Sulfonic Acid	--	NG/L	0.44 U	0.44 U	0.44 U	0.43 U	0.41 U	0.43 U
Perfluorodecanoic acid (PFDA)	--	NG/L	0.47 J	0.57 J	1.73 J	0.62 J	0.39 U	11.5
Perfluorododecanoic acid (PFDoA)	--	NG/L	0.42 U	0.42 U	0.43 U	0.41 U	0.39 U	0.46 J
Perfluoroheptane Sulfonate (PFHPS)	--	NG/L	0.36 U	0.58 J	1.07 J	0.82 J	1.01 J	3.72
Perfluoroheptanoic acid (PFHpA)	--	NG/L	2.87	17.2	8.52	9.58	10.1	17.8
Perfluorohexanesulfonic acid (PFHxS)	--	NG/L	2.99	6.77	7.91	12.1	12.2	15.9
Perfluorohexanoic acid (PFHxA)	--	NG/L	6.31	47.3	24.8	25.5	26.4	33.9
Perfluorononanoic acid (PFNA)	--	NG/L	1.75 J	2.08	2.76	2.8	3.09	9.65
Perfluorooctane Sulfonamide (FOSA)	--	NG/L	0.52 U	0.52 U	1.14 J	0.51 U	0.49 U	5.05
Perfluorooctanesulfonic acid (PFOS)	10	NG/L	13.4	24.4	66.2	53.6	52.4	332
Perfluorooctanoic acid (PFOA)	10	NG/L	10.2	43.1	29	38.6	39	67.4
Perfluoropentanoic Acid (PFPeA)	--	NG/L	8.71	65.8	39.3	31.8	30.5	33.3
Perfluorotetradecanoic acid (PFTA)	--	NG/L	0.54 U	0.54 U	0.55 U	0.52 U	0.5 U	0.53 U
Perfluorotridecanoic Acid (PFTriA)	--	NG/L	0.4 U	0.39 U	0.4 U	0.38 U	0.37 U	0.39 U
Perfluoroundecanoic Acid (PFUnA)	--	NG/L	0.67 U	0.66 U	0.67 U	0.65 U	0.62 U	0.66 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	NG/L	0.61 U	0.6 U	0.61 U	0.59 U	0.56 U	0.6 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	NG/L	2.15 J	0.97 J	0.67 U	0.64 U	0.62 U	0.79 J

Table 15. Summary of Perfluorinated Alkyl Acids and Dioxane in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			RMW-2	RMW-3	RMW-4	RMW-5	RMW-6	RMW-7
Sample Date:			12/01/2020	12/01/2020	12/01/2020	12/01/2020	12/02/2020	12/01/2020
Normal Sample or Field Duplicate:			N	N	N	N	N	N
Parameter	NYSDEC Drinking Water MCLs	Units						
1,4-Dioxane (P-Dioxane)	1	UG/L	0.099 J	0.016 U	0.057 J	0.064 J	0.016 U	0.016 U
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	NG/L	0.69 U	0.66 U	0.72 U	0.7 U	0.78 U	0.74 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	NG/L	0.81 U	0.78 U	0.85 U	0.82 U	1.39 J	7.06
Perfluorobutanesulfonic acid (PFBS)	--	NG/L	4.83	11.8	8.21	8.76	6.02	6.59
Perfluorobutanoic Acid	--	NG/L	8.27	18.3	21.2	17.3	13	18
Perfluorodecane Sulfonic Acid	--	NG/L	0.42 U	0.4 U	0.44 U	0.43 U	0.48 U	0.58 J
Perfluorodecanoic acid (PFDA)	--	NG/L	0.4 U	0.38 U	0.64 J	2.09	0.46 U	2.83
Perfluorododecanoic acid (PFDoA)	--	NG/L	0.4 U	0.38 U	0.42 U	0.41 U	0.46 U	0.58 J
Perfluoroheptane Sulfonate (PFHPS)	--	NG/L	0.5 J	0.78 J	0.45 J	1.04 J	0.44 J	0.79 J
Perfluoroheptanoic acid (PFHpA)	--	NG/L	4.82	11.6	11.9	10.6	8.46	14.5
Perfluorohexanesulfonic acid (PFHxS)	--	NG/L	5.89	9	5.15	8.65	5.19	5.67
Perfluorohexanoic acid (PFHxA)	--	NG/L	8.37	19.7	21.8	25.7	18.4	81.4
Perfluorononanoic acid (PFNA)	--	NG/L	0.93 J	2.86	2.55	3.83	1.46 J	45.9
Perfluorooctane Sulfonamide (FOSA)	--	NG/L	0.5 U	0.48 U	0.52 U	0.51 U	0.56 U	1.37 J
Perfluorooctanesulfonic acid (PFOS)	10	NG/L	16	46	23.6	54.2	12.2	49.4
Perfluorooctanoic acid (PFOA)	10	NG/L	23.2	73.4	43.5	36.8	33.5	51.8
Perfluoropentanoic Acid (PFPeA)	--	NG/L	8.54	22.9	23	29.2	18.9	59.9
Perfluorotetradecanoic acid (PFTA)	--	NG/L	0.51 U	0.49 U	0.54 U	0.52 U	0.58 U	0.55 U
Perfluorotridecanoic Acid (PFTriA)	--	NG/L	0.37 U	0.36 U	0.39 U	0.38 U	0.43 U	0.4 U
Perfluoroundecanoic Acid (PFUnA)	--	NG/L	0.63 U	0.61 U	0.67 U	0.65 U	0.72 U	0.84 J
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	NG/L	0.57 U	0.55 U	0.61 U	0.58 U	0.65 U	1.05 J
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	NG/L	0.63 U	0.6 U	3.74 J	1.25 J	0.71 U	9.52

Table 15. Summary of Perfluorinated Alkyl Acids and Dioxane in Groundwater, 4125-4129 Laconia Avenue, Bronx, New York

Sample Designation:			RMW-8	RMW-9	RMW-10	SUMP-2	SUMP-3
Sample Date:			12/02/2020	12/02/2020	12/02/2020	12/01/2020	12/02/2020
Normal Sample or Field Duplicate:			N	N	N	N	N
Parameter	NYSDEC Drinking Water MCLs	Units					
1,4-Dioxane (P-Dioxane)	1	UG/L	0.016 U	0.016 U	0.016 U	0.016 U	4.6
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	NG/L	0.7 U	0.71 U	0.75 U	0.68 U	0.68 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	NG/L	0.82 U	0.84 U	0.88 U	0.81 U	1.93 J
Perfluorobutanesulfonic acid (PFBS)	--	NG/L	11.1	6.19	1.54 J	8.39	1.13 J
Perfluorobutanoic Acid	--	NG/L	12.6	9.36	4.14 J	19.5	42
Perfluorodecane Sulfonic Acid	--	NG/L	0.42 U	0.43 U	0.46 U	0.42 U	0.41 U
Perfluorodecanoic acid (PFDA)	--	NG/L	3.21	0.49 J	2.33	0.72 J	0.93 J
Perfluorododecanoic acid (PFDoA)	--	NG/L	0.41 U	0.42 U	0.44 U	0.4 U	0.39 U
Perfluoroheptane Sulfonate (PFHPS)	--	NG/L	1.01 J	1.42 J	0.37 U	0.87 J	0.33 U
Perfluoroheptanoic acid (PFHpA)	--	NG/L	12.2	7.2	2.31	12.9	2.29
Perfluorohexanesulfonic acid (PFHxS)	--	NG/L	5.07	4.01	0.84 J	5.69	1.13 J
Perfluorohexanoic acid (PFHxA)	--	NG/L	19.3	17.2	4.41	35.5	8.03
Perfluorononanoic acid (PFNA)	--	NG/L	5.92	2.25	1.98	4.18	1.31 J
Perfluorooctane Sulfonamide (FOSA)	--	NG/L	0.5 U	0.52 U	0.54 U	0.49 U	0.49 U
Perfluorooctanesulfonic acid (PFOS)	10	NG/L	61.2	49.1	10.2	48.4	7.71
Perfluorooctanoic acid (PFOA)	10	NG/L	47.2	31.7	4.98	46.4	2.99
Perfluoropentanoic Acid (PFPeA)	--	NG/L	18	21.7	5.79	43.9	6.49
Perfluorotetradecanoic acid (PFTA)	--	NG/L	0.52 U	0.53 U	0.56 U	0.51 U	0.51 U
Perfluorotridecanoic Acid (PFTriA)	--	NG/L	0.38 U	0.39 U	0.41 U	0.37 U	0.43 J
Perfluoroundecanoic Acid (PFUnA)	--	NG/L	0.65 U	0.66 U	0.69 U	0.63 U	0.92 J
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	NG/L	0.58 U	0.6 U	0.89 J	0.57 U	0.57 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	NG/L	1.85 J	0.65 U	1.6 J	0.62 U	0.62 U

Table 16. Summary of Volatile Organic Compounds in Soil Vapor and Air, 4125-4129 Laconia Avenue, Bronx, New York

Sample Deignation:		SV-4	SV-5	SV-6	SV-7	SV-8	AMB-050421
Sample Date:		11/17/2020	11/17/2020	11/17/2020	05/04/2021	05/04/2021	05/04/2021
Normal Sample or Field Duplicate:		N	N	N	N	N	N
Parameter	Units						
1,1,1-Trichloroethane (TCA)	UG/M3	1.1 U	1.1 U	3.3 U	1.1 U	25 U	1.1 U
1,1,2,2-Tetrachloroethane	UG/M3	1.4 U	1.4 U	4.1 U	1.4 U	32 U	1.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	1.5 U	0.46 J	4.6 U	0.56 J	35 U	0.64 J
1,1,2-Trichloroethane	UG/M3	1.1 U	1.1 U	3.3 U	1.1 U	25 U	1.1 U
1,1-Dichloroethane	UG/M3	0.81 U	0.81 U	2.4 U	0.81 U	19 U	0.81 U
1,1-Dichloroethene	UG/M3	0.2 U	0.2 U	0.6 U	0.2 U	4.6 U	0.2 U
1,2,4-Trichlorobenzene	UG/M3	3.7 U	3.7 U	11 U	3.7 U	85 U	3.7 U
1,2,4-Trimethylbenzene	UG/M3	0.99	2	0.99 J	5.9	10 J	0.56 J
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	1.5 U	1.5 U	4.6 U	1.5 U	35 U	1.5 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	3.6 U	1.2 U	28 U	1.2 U
1,2-Dichloroethane	UG/M3	0.81 U	0.81 U	2.4 U	0.81 U	19 U	0.81 U
1,2-Dichloropropane	UG/M3	0.92 U	0.92 U	2.8 U	0.92 U	21 U	0.92 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 U	4.2 U	1.4 U	32 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.21 J	0.45 J	2.9 U	2.1	23 U	0.98 U
1,3-Butadiene	UG/M3	0.44 U	22	0.39 J	0.52	10 U	0.14 J
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U	3.6 U	1.2 U	28 U	1.2 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U	3.6 U	1.2 U	28 U	1.2 U
1,4-Dioxane (P-Dioxane)	UG/M3	18 U	18 U	54 U	18 U	410 U	18 U
2,2,4-Trimethylpentane	UG/M3	1	3.9	10	6.6	23	0.77 J
2-Chlorotoluene	UG/M3	1 U	1 U	3.1 U	1 U	24 U	1 U
2-Hexanone	UG/M3	1.1 J	0.85 J	6.1 U	2 U	47 U	2 U
4-Ethyltoluene	UG/M3	0.98 U	0.33 J	2.9 U	2.5	23 U	0.98 U
Acetone	UG/M3	120 D	20	45	17	270 U	11 J
Allyl Chloride (3-Chloropropene)	UG/M3	1.6 U	1.6 U	4.7 U	1.6 U	36 U	1.6 U
Benzene	UG/M3	1.2	13	2.6	2.2	15 U	0.94
Benzyl Chloride	UG/M3	1 U	1 U	3.1 U	1 U	24 U	1 U
Bromodichloromethane	UG/M3	1.3 U	1.3 U	4 U	1.3 U	31 U	1.3 U
Bromoform	UG/M3	2.1 U	2.1 U	6.2 U	2.1 U	48 U	2.1 U
Bromomethane	UG/M3	0.78 U	0.78 U	2.3 U	0.78 U	18 U	0.78 U
Butane	UG/M3	4.4	860 D	680 D	21	27 U	2.6
Carbon Disulfide	UG/M3	1.2 J	180 D	10	2.9	18 J	2.1
Carbon Tetrachloride	UG/M3	0.22	0.16 J	0.66 U	0.2 J	5.1 U	0.49
Chlorobenzene	UG/M3	0.92 U	5.8	2.7 U	0.92 U	21 U	0.92 U
Chlorodifluoromethane	UG/M3	0.68 J	0.76 J	5.3 U	1.1 J	41 U	1.2 J
Chloroethane	UG/M3	1.3 U	1.3 U	3.9 U	1.3 U	30 U	1.3 U
Chloroform	UG/M3	0.65 J	0.5 J	0.79 J	6.8	16 J	0.98 U

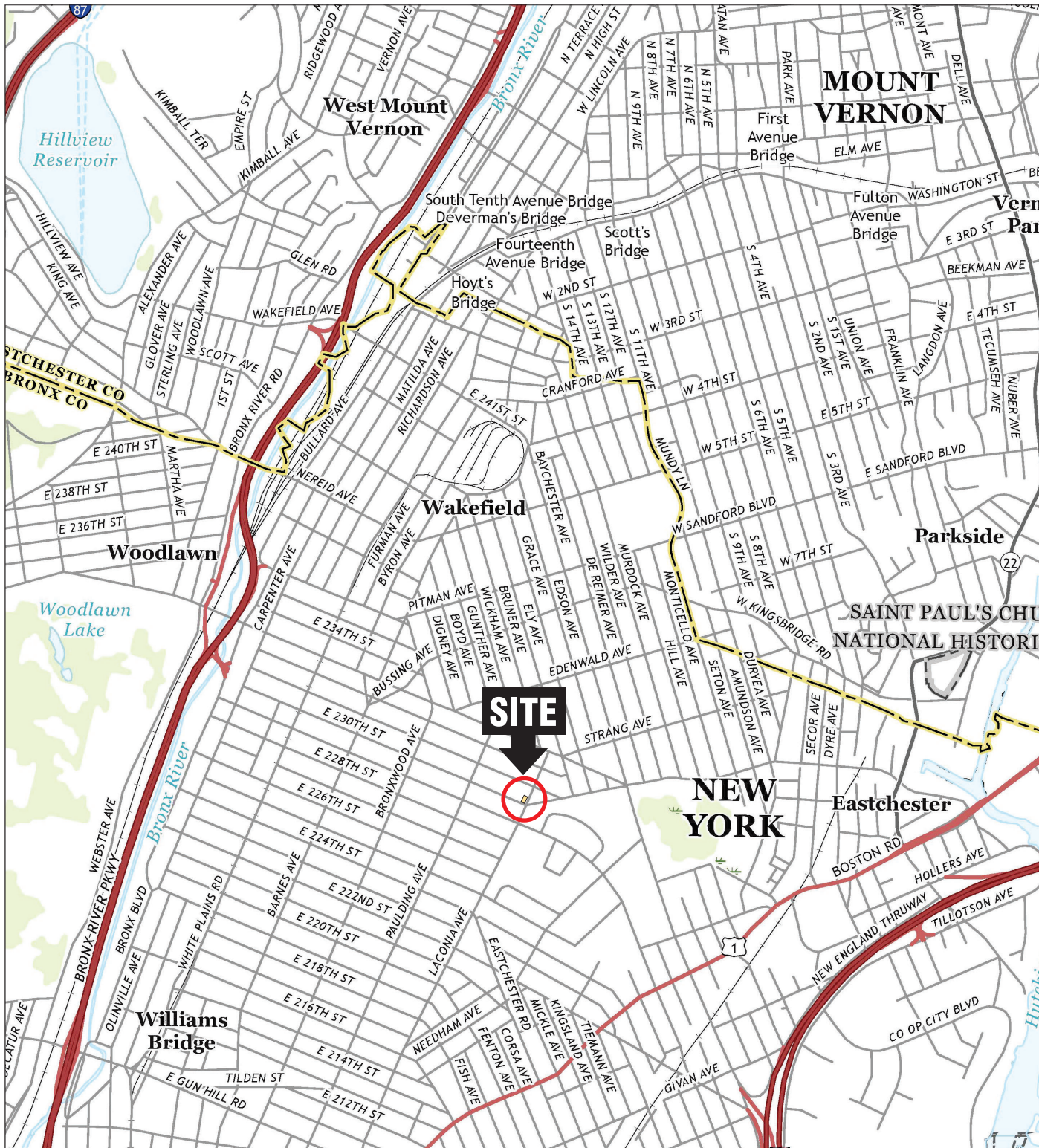
Table 16. Summary of Volatile Organic Compounds in Soil Vapor and Air, 4125-4129 Laconia Avenue, Bronx, New York

Sample Deignation:		SV-4	SV-5	SV-6	SV-7	SV-8	AMB-050421
Sample Date:		11/17/2020	11/17/2020	11/17/2020	05/04/2021	05/04/2021	05/04/2021
Normal Sample or Field Duplicate:		N	N	N	N	N	N
Parameter	Units						
Chloromethane	UG/M3	0.83 J	0.69 J	3.1 U	0.54 J	24 U	1.5
Cis-1,2-Dichloroethylene	UG/M3	0.2 U	1.5	0.6 U	0.2 U	290	0.34
Cis-1,3-Dichloropropene	UG/M3	0.91 U	0.91 U	2.7 U	0.91 U	21 U	0.91 U
Cyclohexane	UG/M3	0.46 J	0.69 U	2.7	1.4	16 U	0.13 J
Cymene	UG/M3	0.56 J	0.32 J	3.3 U	1.4	25 U	1.1 U
Dibromochloromethane	UG/M3	1.7 U	1.7 U	5.1 U	1.7 U	39 U	1.7 U
Dichlorodifluoromethane	UG/M3	1.6 J	1.9 J	3 J	2.2 J	57 U	2.5
Ethylbenzene	UG/M3	0.62 J	1.6	1.2 J	12	19 J	0.43 J
Hexachlorobutadiene	UG/M3	2.1 U	2.1 U	6.4 U	2.1 U	49 U	0.89 J
Isopropanol	UG/M3	1.2 J	8.1 J	37 U	34	280 U	4.4 J
Isopropylbenzene (Cumene)	UG/M3	0.98 U	0.98 U	2.9 U	1.1	23 U	0.98 U
m,p-Xylene	UG/M3	2.1 J	5.1	3.6 J	24	33 J	1.2 J
Methyl Ethyl Ketone (2-Butanone)	UG/M3	8.8	5.8	11	1.4 J	34 U	1.3 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	1.2 J	0.81 J	6.1 U	2 U	47 U	2 U
Methyl Methacrylate	UG/M3	2 U	2 U	6.1 U	2 U	47 U	2 U
Methylene Chloride	UG/M3	1.7 U	1.4 J	5.2 U	1 J	40 U	0.71 J
Naphthalene	UG/M3	2.6 U	1.8 J	7.8 U	2.6 U	60 U	2.6 U
N-Butylbenzene	UG/M3	1.1 U	0.22 J	3.3 U	0.3 J	25 U	1.1 U
N-Heptane	UG/M3	1.2	39	2.4	3.1	19 U	0.82 U
N-Hexane	UG/M3	1.5	150 D	10	4.2	41 U	1.8 U
N-Propylbenzene	UG/M3	0.98 U	0.32 J	2.9 U	1.9	23 U	0.98 U
O-Xylene	UG/M3	0.69 J	1.6	1.1 J	9.2	11 J	0.87 U
Sec-Butylbenzene	UG/M3	1.1 U	1.1 U	3.3 U	1.1 U	25 U	1.1 U
Styrene	UG/M3	0.85 U	0.39 J	2.5 U	0.88	20 U	0.85 U
T-Butylbenzene	UG/M3	1.1 U	1.1 U	3.3 U	1.1 U	25 U	1.1 U
Tert-Butyl Alcohol	UG/M3	0.93 J	1.7 J	1.5 J	4.2 J	350 U	15 U
Tert-Butyl Methyl Ether	UG/M3	0.72 U	0.72 U	2.1 U	0.72 U	17 U	0.72 U
Tetrachloroethene (PCE)	UG/M3	2.5	3.8	13	12	20000 D	33
Tetrahydrofuran	UG/M3	42	15 U	180	15 U	340 U	15 U
Toluene	UG/M3	3.4	22	7.4	31	81	2.5
Trans-1,2-Dichloroethene	UG/M3	0.79 U	0.79 U	2.4 U	0.79 U	18 U	0.79 U
Trans-1,3-Dichloropropene	UG/M3	0.91 U	0.91 U	2.7 U	0.91 U	21 U	0.91 U
Trichloroethene (TCE)	UG/M3	0.2 U	4.3	0.6 U	0.28	1400	2
Trichlorofluoromethane	UG/M3	1.1	1.3	1.3 J	1.7	26 U	1.5
Vinyl Bromide	UG/M3	0.87 U	0.87 U	2.6 U	0.87 U	20 U	0.87 U
Vinyl Chloride	UG/M3	0.2 U	0.2 U	0.6 U	0.2 U	4.6 U	0.2 U

Remedial Investigation Report
4125-4149 Laconia Avenue, Bronx, New York

FIGURES

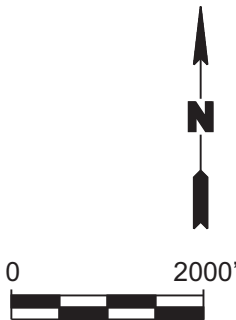
1. Site Location Map
2. Site Plan
3. Groundwater Contour Map



QUADRANGLE LOCATION



SOURCE:
USGS; 2016, Mount Vernon, NY
7.5 Minute Topographic Quadrangle



Title:

SITE LOCATION MAP

4125-4149 LACONIA AVENUE
BRONX, NEW YORK

Prepared for:

LACONIA PROPERTIES LLC



Compiled by: D.M.	Date: 17DEC20
Prepared by: G.M.	Scale: AS SHOWN
Project Mgr: J.W.	Project: 3390.0001Y000
File: 3390.0001Y117.01.CDR	

FIGURE

1



LEGEND

- | PROPERTY BOUNDARY | |
|--|---|
| RMW-1  | LOCATION AND DESIGNATION OF SOIL BORING/MONITORING WELL |
| RMW-8  | LOCATION AND DESIGNATION OF OFFSITE MONITORING WELL |
| RSB-1  | LOCATION AND DESIGNATION OF SOIL BORING |
| SV-5  | LOCATION OF SOIL VAPOR MONITORING POINT |
| AMB-050421  | LOCATION OF AMBIENT AIR SAMPLE |
| SUMP-1  | LOCATION AND DESIGNATION OF EXISTING SUMP |
| MW1  | LOCATION AND DESIGNATION OF EXISTING MONITORING WELL INSTALLED BY MERRITT ENVIRONMENTAL IN 2019 |
| IW4  | APPROXIMATE LOCATION AND DESIGNATION OF EXISTING INJECTION AND/OR MONITORING WELL INSTALLED BY OTHERS |
| B1  | APPROXIMATE LOCATION AND DESIGNATION OF SOIL BORING INSTALLED BY MERRITT ENVIRONMENTAL |
| IA-4  | APPROXIMATE LOCATION AND DESIGNATION OF INDOOR AIR SAMPLE COLLECTED BY MERRITT ENVIRONMENTAL |
| IA1 SV1  | APPROXIMATE LOCATION AND DESIGNATION OF INDOOR AIR AND SUB SLAB SOIL VAPOR SAMPLE LOCATION INSTALLED BY MERRITT ENVIRONMENTAL |
| RSS-1 /
RIA-1  | APPROXIMATE LOCATION AND DESIGNATION OF SUB SLAB SOIL VAPOR AND INDOOR AIR SAMPLE COLLECTED BY ROUX |
| SV-1  | APPROXIMATE LOCATION AND DESIGNATION OF SOIL VAPOR MONITORING POINT INSTALLED/SAMPLED BY ROUX |
| AA-1  | APPROXIMATE LOCATION AND DESIGNATION OF OUTDOOR AMBIENT AIR SAMPLE COLLECTED BY ROUX |
| OA-1  | APPROXIMATE LOCATION AND DESIGNATION OF OUTDOOR AMBIENT AIR SAMPLE COLLECTED BY MERRITT ENVIRONMENTAL |
| TP-1  | APPROXIMATE LOCATION AND DESIGNATION OF EXPLORATORY TEST PIT (ONE FOOT LONG BY ONE FOOT WIDE) INSTALLED BY ROUX |



SITE PLAN

4125-4149 LACONIA AVENUE
BRONX, NEW YORK

Prepared for:

LACONIA PROPERTIES LLC



Compiled by: D.M.	Date: 17DEC20
Prepared by: G.M.	Scale: AS SHOWN
Project Mgr: J.W.	Project: 3390.0001Y000
File: 3390.0001Y117.02.DWG	

FIGURE

2

APPENDICES

- A. Soil Boring/Groundwater Monitoring Well Construction Logs
- B. Groundwater Sampling Logs
- C. Soil Vapor Sampling Logs
- D. Analytical Data Reports (*Provided on flash drive in bound copy*)
- E. Data Usability Summary Report
- F. CAMP Reports
- G. NYSDEC Contained-In Determination Approval Letter
- H. Waste Documentation

APPENDIX A

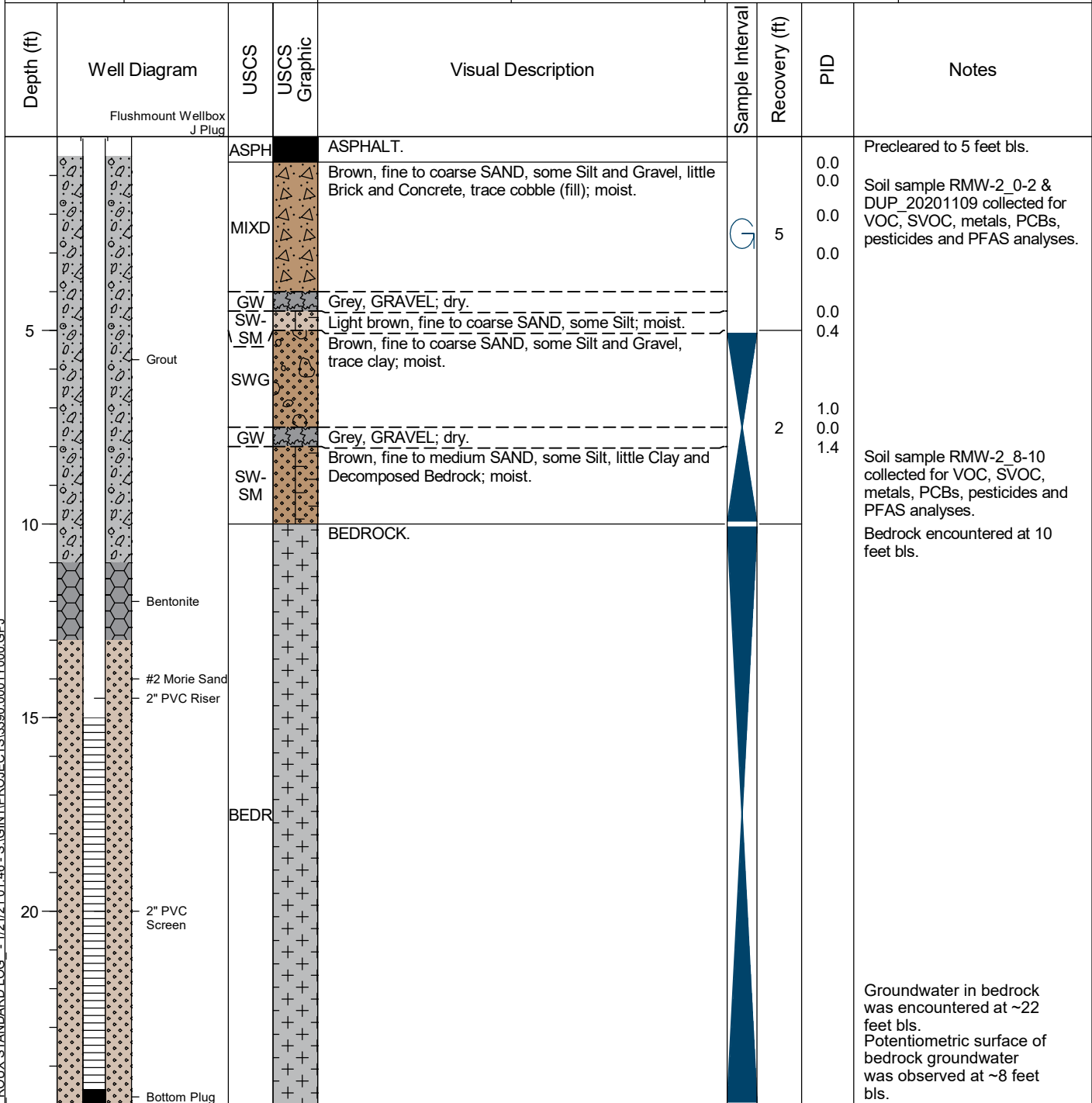
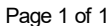
Soil Boring/Groundwater Monitoring Well Construction Logs

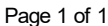


Client: Laconia Properties LLC		Site: 4125-4149 Laconia Avenue		Project Number: 3390.0001Y000	
Address: 4125-4149 Laconia Avenue		City/State: Bronx, New York		Logged By: D. Miserendino	
Start to Finish Date: 11/16/2020 - 11/16/2020		Contractor: AARCO Environmental		Drill Type: Hand Auger	
Borehole Depth: 3.5 feet		Backfill: Sand/Bentonite		Sampler Type/Method: Cuttings	
Area: The Bronx		Elevation: 92.59		Northing: 262858.11	
				Easting: 1026534.32	
Well Depth: 3.5 feet	Well Dia./Materials: 2-inch PVC	Screen Interval: 2-3.5 feet	Screen Slot Size: 20-Slot	Sand/Filter Pack Size: Morie #2	Annular Seal: Bentonite

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	Flushmount Wellbox J Plug							
		CONC		CONCRETE.				Precleared to 4 feet bls.
1	Bentonite			Brown, fine to coarse SAND, some Silt, little Gravel, Brick, and Concrete (fill); moist.		1,544		Odor observed.
	#2 Morie Sand						1,745	Odor observed. Soil sample RMW-1_1-3 & MS/MSD collected for VOC, SVOC, metals, PCBs, pesticides and PFAS analyse.
	2" PVC Riser	MIXD					3.5	
2							1,632	Odor observed.
	2" PVC Screen							
3				Brown, fine to coarse SAND, some Silt, little Gravel, Brick, and Concrete (fill); wet.			92.3	Odor observed. Groundwater encountered at ~3 feet bls.
	Bottom Plug	MIXD						Bedrock encountered at 3.5 feet bls.

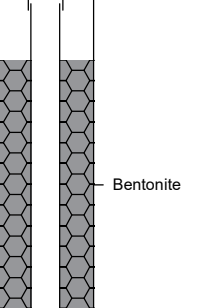
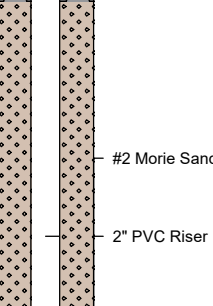
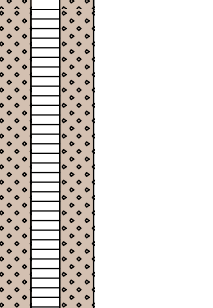
Bottom of borehole at 3.5 feet



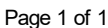
Bottom of borehole at 20 feet



Client: Laconia Properties LLC		Site: 4125-4149 Laconia Avenue		Project Number: 3390.0001Y000	
Address: 4125-4149 Laconia Avenue		City/State: Bronx, New York		Logged By: D. Miserendino	
Start to Finish Date: 11/17/2020 - 11/17/2020		Contractor: AARCO Environmental		Drill Type: Hand Auger	
Borehole Depth: 4 feet		Backfill: Sand/Bentonite		Sampler Type/Method: Cuttings	
Area: The Bronx		Elevation: 93.02		DTW: ~3 feet	
Well Depth: 4 feet		Screen Interval: 2-4 feet		Sand/Filter Pack Size: Morie #2	
Well Dia./Materials: 2-inch PVC		Screen Slot Size: 20-Slot		Annular Seal: Bentonite	

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	Flushmount Wellbox J Plug							
1		CONC		CONCRETE.				Precleared to 4 feet bls.
							246	Odor observed.
2		MIXD		Brown, fine to medium SAND, some Silt, little Gravel, trace cobble, brick, and concrete (fill); moist.			1,596	Odor observed.
								Soil sample RMW-4_1-3 collected for VOC, SVOC, metals, PCBs, pesticides and PFAS analyses.
3		MIXD		Brown, fine to medium SAND, some Silt, little Gravel, trace cobble, brick, and concrete (fill); wet.	G	4	1,744	Odor observed.
							107	Odor observed. Groundwater encountered at ~3 feet bls.
								Bedrock encountered at 4 feet bls.
	Bottom Plug							

Bottom of borehole at 4 feet

Bottom of borehole at 2 feet



Client: Laconia Properties LLC		Site: 4125-4149 Laconia Avenue		Project Number: 3390.0001Y000	
Address: 4125-4149 Laconia Avenue		City/State: Bronx, New York		Logged By: D. Miserendino	
Start to Finish Date: 11/17/2020 - 11/17/2020		Contractor: AARCO Environmental		Drill Type: Hand Auger	
Borehole Depth: 1.8 feet		Backfill: Sand/Bentonite		Sampler Type/Method: Cuttings	
Area: The Bronx		Elevation: 91.26		DTW: ~1 feet	
		Northing: 262936.81		Easting: 1026545.74	
Well Depth: 1.8 feet	Well Dia./Materials: 2-inch PVC	Screen Interval: 0.8-1.8 feet	Screen Slot Size: 20-Slot	Sand/Filter Pack Size: Morie #2	Annular Seal: Bentonite

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	Flushmount Wellbox J Plug							
		CONC		CONCRETE.				Precleared to 1.8 feet bls.
	Bentonite							
	#2 Morie Sand	MIXD		Brown, fine to coarse SAND, some Gravel, little Brick and Concrete (fill); moist.		1.3		Soil sample RMW-7_0-1 collected for VOC, SVOC, metals, PCBs, pesticides and PFAS analyses.
	2" PVC Riser							
	2" PVC Screen	MIXD		Brown, fine to coarse SAND, some Gravel, little Brick and Concrete (fill); wet.		1.8		Groundwater encountered at ~1 foot bls.
	Bottom Plug							Bedrock encountered at 1.8 feet bls.

Bottom of borehole at 1.8 feet



Client: Laconia Properties LLC		Site: 4125-4149 Laconia Avenue		Project Number: 3390.0001Y000	
Address: 4125-4149 Laconia Avenue		City/State: Bronx, New York		Logged By: D. Miserendino	
Start to Finish Date: 11/12/2020 - 11/13/2020		Contractor: AARCO Environmental		Drill Type: Geoprobe	
Borehole Depth: 17 feet		Backfill: Sand/Bentonite/Grout		Sampler Type/Method: 2" Macro-Core	
Area: The Bronx		Elevation: 99.86		Northing: 263018.71	
				Easting: 1026602.69	
Well Depth: 17 feet	Well Dia./Materials: 2-inch PVC	Screen Interval: 10-17 feet	Screen Slot Size: 20-Slot	Sand/Filter Pack Size: Morie #2	Annular Seal: Grout

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	Flushmount Wellbox J Plug							
				Brown, fine to medium SAND, some Silt, little Gravel (fill); moist.			0.2	Precleared to 5 feet bls.
		MIXD						
					G	5		
							0.4	
5		MIXD		Light brown, fine to medium SAND, some Silt, little Clay and Gravel (fill); moist.				
	Grout						0.1	
		MIXD		Brown, fine SAND and SILT, trace gravel, brick, and wood (fill); moist.				
							0.0	
		CL-ML		Light brown, SILT and CLAY, some medium to coarse Sand; moist.		3	0.0	
	Bentonite							
	2" PVC Riser							
		SM		Grey to brown, SILT, some Clay and fine Sand, trace gravel; moist.				
10	#2 Morie Sand						0.0	
		SPG		Brown, fine SAND, some Gravel; wet.			0.0	
				Greyish brown, fine to coarse SAND, some Gravel, little Silt; wet.		3	0.0	
		SWG						
15	2" PVC Screen						0.3	
				Brown, DECOMPOSED BEDROCK with medium to coarse SAND, some Gravel; wet.		3		
								Groundwater encountered at ~10 feet bls.
	Bottom Plug							Bedrock encountered at 17 feet bls.

Bottom of borehole at 17 feet

ROUX STANDARD LOG - 1/21/21 01:56 - S:\GINT\PROJECTS\3390.0001Y000.GPJ



Client: Laconia Properties LLC		Site: 4125-4149 Laconia Avenue		Project Number: 3390.0001Y000	
Address: 4125-4149 Laconia Avenue		City/State: Bronx, New York		Logged By: D. Miserendino	
Start to Finish Date: 11/10/2020 - 11/10/2020		Contractor: AARCO Environmental		Drill Type: Rotosonic	
Borehole Depth: 20 feet		Backfill: Sand/Bentonite/Grout		Sampler Type/Method: 4" Macro-Core	
Area: The Bronx		Elevation: 99.76		Northing: 262905.49	
				Easting: 1026666.2	
Well Depth: 20 feet	Well Dia./Materials: 2-inch PVC	Screen Interval: 9-19 feet	Screen Slot Size: 20-Slot	Sand/Filter Pack Size: Morie #2	Annular Seal: Grout

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	Flushmount Wellbox J Plug							
		CONC		CONCRETE.				Precleared to 5 feet bls.
				Brown, fine to coarse SAND, some Silt, little fine to coarse Gravel (fill); moist.			0.0	
							0.0	
		MIXD					0.0	
	Grout							
				Grey, GRAVEL, some fine to coarse Sand (fill); dry.			0.0	
5		MIXD					0.0	
	Bentonite							
				Brown, fine to coarse SAND, some Silt and Gravel, little Metal, Glass, and Brick (fill); moist.				
		MIXD						
	#2 Morie Sand							
	2" PVC Riser							
		SW-SM		Brown, fine to coarse SAND, some Silt, little Gravel; moist.			0.0	
10								
		SWG		Light brown, fine to coarse SAND, some Silt and Gravel; moist to very moist.			0.0	
								Groundwater encountered at approximately 11 feet bls.
				Light brown to grey, fine to coarse SAND, some Silt, little Gravel; wet.			0.0	
	2" PVC Screen							
		SW-SM						
15								
		SW-SM		Light brown to grey, fine to coarse SAND, some Silt; wet.			0.0	
				DECOMPOSED BEDROCK.			0.0	
	Bottom Plug							
	Bentonite							

Bottom of borehole at 20 feet

ROUX STANDARD LOG - 1/21/21 01:58 - S:\GINT\PROJECTS\3390.0001Y000.GPJ



Client: Laconia Properties LLC		Site: 4125-4149 Laconia Avenue		Project Number: 3390.0001Y000	
Address: 4125-4149 Laconia Avenue		City/State: Bronx, New York		Logged By: D. Miserendino	
Start to Finish Date: 11/10/2020 - 11/12/2020		Contractor: AARCO Environmental		Drill Type: Geoprobe	
Borehole Depth: 22.5 feet		Backfill: Sand/Bentonite/Grout		Sampler Type/Method: 2" Macro-Core	
Area: The Bronx		Elevation: 99.15		Northing: 263009.35	
				Easting: 1026698.19	
Well Depth: 22.5 feet	Well Dia./Materials: 2-inch PVC	Screen Interval: 7-17 feet	Screen Slot Size: 20-Slot	Sand/Filter Pack Size: Morie #2	Annular Seal: Grout

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	Flushmount Wellbox J Plug							
				Brown, fine to coarse SAND, some Silt and fine to coarse Gravel (fill); moist.			0.0	Precleared to 5 feet bls.
	Grout	MIXD			G	5	0.0	
	Bentonite	GW		Grey, GRAVEL; dry.			1.5	
5	#2 Morie Sand 2" PVC Riser	SM		Brown, fine SAND and SILT, little Clay, trace fine gravel; moist.		3.5	1.7	
10	2" PVC Screen	SM		Brown, fine SAND and SILT, little Clay, trace fine gravel; wet.			1.1	
		SP-SM		Brown, fine SAND, some Silt, trace fine gravel; wet.		1.5	0.4	Groundwater encountered at ~10 feet bls.
15	Bottom Plug			Brown, DECOMPOSED BEDROCK; wet.			1.4	
						1.5	2.2	
20	Bentonite			Grey to brown, DECOMPOSED BEDROCK; wet.			4.0	
						1.5		Bedrock encountered at 22.5 feet bls

Bottom of borehole at 22.5 feet



Client: Laconia Properties LLC		Site: 4125-4149 Laconia Avenue		Project Number: 3390.0001Y000	
Address: 4125-4149 Laconia Avenue		City/State: Bronx, New York		Logged By: D. Miserendino	
Start to Finish Date: 11/16/2020 - 11/16/2020		Contractor: AARCO Environmental		Drill Type: Hand Auger	
Borehole Depth: 3 feet		Backfill: Sand/Bentonite		Sampler Type/Method: Cuttings	
Area: The Bronx		Elevation: 92.60		DTW: ~3 feet	
		Northing: 262863.71		Easting: 1026521.68	

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE.				Precleared to 3 feet bls.
1			Brown, fine to coarse SAND, some Silt, little Gravel, trace concrete (fill); moist.			0.8	
						1.1	Soil sample RSB-1_1-3 collected for VOC, SVOC, metals, PCBs, pesticides and PFAS analyses.
2	MIXD					3	
						1.0	
							Groundwater encountered at ~3 feet bls.

Bottom of borehole at 3 feet



Client: Laconia Properties LLC		Site: 4125-4149 Laconia Avenue		Project Number: 3390.0001Y000	
Address: 4125-4149 Laconia Avenue		City/State: Bronx, New York		Logged By: D. Miserendino	
Start to Finish Date: 11/16/2020 - 11/16/2020	Contractor: AARCO Environmental	Drill Type: Hand Auger		Sampler Type/Method: Cuttings	
Borehole Depth: 3 feet	Backfill: Sand/Bentonite	Borehole Diameter: 6-inches		DTW: ~3 feet	
Area: The Bronx	Elevation: 92.62	Northing: 262869.11		Easting: 1026523.36	

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE.				Precleared to 3 feet bls.
1			Brown, fine to coarse SAND, some Silt, little Gravel, trace cobble, brick, and concrete (fill); moist.			1.7	
						2.1	Soil sample RSB-2_1-3 collected for VOC, SVOC, metals, PCBs, pesticides and PFAS analyses.
2	MIXD					3	
						1.3	
							Groundwater encountered at ~3 feet bls.

Bottom of borehole at 3 feet



Client: Laconia Properties LLC		Site: 4125-4149 Laconia Avenue		Project Number: 3390.0001Y000	
Address: 4125-4149 Laconia Avenue		City/State: Bronx, New York		Logged By: D. Miserendino	
Start to Finish Date: 11/16/2020 - 11/16/2020		Contractor: AARCO Environmental		Drill Type: Hand Auger	
Borehole Depth: 3 feet		Backfill: Sand/Bentonite		Sampler Type/Method: Cuttings	
Area: The Bronx		Elevation: 92.61		DTW: ~3 feet	
		Northing: 262869.87		Easting: 1026531.51	

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE.				Precleared to 3 feet bls.
1			Brown, fine to coarse SAND, some Silt, little Gravel, trace cobble and concrete (fill); moist.			0.8	
	MIXD					2.1	Soil sample RSB-3 1-3 collected for VOC, SVOC, metals, PCBs, pesticides and PFAS analyses.
2						3	
						1.4	
							Groundwater encountered at ~3 feet bls.

Bottom of borehole at 3 feet



Client: Laconia Properties LLC		Site: 4125-4149 Laconia Avenue		Project Number: 3390.0001Y000	
Address: 4125-4149 Laconia Avenue		City/State: Bronx, New York		Logged By: D. Miserendino	
Start to Finish Date: 11/16/2020 - 11/16/2020		Contractor: AARCO Environmental		Drill Type: Hand Auger	
Borehole Depth: 3 feet		Backfill: Sand/Bentonite		Sampler Type/Method: Cuttings	
Area: The Bronx		Elevation: 92.63		DTW: ~3 feet	
		Northing: 262860.68		Easting: 1026541.26	

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE.				Precleared to 3 feet bls.
1			Brown, fine to medium SAND, some Silt, little Gravel, Brick, and Concrete, trace cobble (fill); moist.			76.1	Slight odor observed.
2	MIXD					44.2	Slight odor observed. Soil sample RSB-4_1-3 collected for VOC, SVOC, metals, PCBs, pesticides and PFAS analyses.
						19.3	Slight odor observed.
							Groundwater encountered at ~3 feet bls.

Bottom of borehole at 3 feet



Client: Laconia Properties LLC		Site: 4125-4149 Laconia Avenue		Project Number: 3390.0001Y000	
Address: 4125-4149 Laconia Avenue		City/State: Bronx, New York		Logged By: D. Miserendino	
Start to Finish Date: 11/16/2020 - 11/16/2020		Contractor: AARCO Environmental		Drill Type: Hand Auger	
Borehole Depth: 3 feet		Backfill: Sand/Bentonite		Sampler Type/Method: Cuttings	
Area: The Bronx		Elevation: 92.56		DTW: ~3 feet	
		Northing: 262849.43		Easting: 1026536.44	

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE.				Precleared to 3 feet bls.
1			Brown, fine to medium SAND, some Silt, little Gravel, Cobble, Brick, and Concrete (fill); moist.			0.8	
	MIXD					3.2	Soil sample RSB-5_1-3 collected for VOC, SVOC, metals, PCBs, pesticides and PFAS analyses.
2						2.1	
							Groundwater encountered at ~3 feet bls.

Bottom of borehole at 3 feet



Client: Laconia Properties LLC		Site: 4125-4149 Laconia Avenue		Project Number: 3390.0001Y000	
Address: 4125-4149 Laconia Avenue		City/State: Bronx, New York		Logged By: D. Miserendino	
Start to Finish Date: 11/16/2020 - 11/16/2020	Contractor: AARCO Environmental		Drill Type: Hand Auger		Sampler Type/Method: Cuttings
Borehole Depth: 3 feet	Backfill: Sand/Bentonite		Borehole Diameter: 6-inches		DTW: ~3 feet
Area: The Bronx	Elevation: 92.62		Northing: 262848.05		Easting: 1026520.6

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	CONC		CONCRETE.				Precleared to 3 feet bls.
1			Brown, fine to medium SAND, some Silt, little Gravel, trace concrete and cobble (fill); moist.			0.1	
						1.1	Soil sample RSB-6_1-3 collected for VOC, SVOC, metals, PCBs, pesticides and PFAS analyses.
2	MIXD			G	3	0.7	
							Groundwater encountered at ~3 feet bls.

Bottom of borehole at 3 feet



Client: Laconia Properties LLC		Site: 4125-4149 Laconia Avenue		Project Number: 3390.0001Y000	
Address: 4125-4149 Laconia Avenue		City/State: Bronx, New York		Logged By: D. Miserendino	
Start to Finish Date: 11/9/2020 - 11/10/2020		Contractor: AARCO Environmental		Drill Type: Rotosonic	
Borehole Depth: 13 feet		Backfill: Sand/Bentonite		Sampler Type/Method: 4" Macro-Core	
Area: The Bronx		Elevation: 106.46		Northing: 262828.72	
				Easting: 1026386.19	

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				Precleared to 5 feet bls. Soil sample RSB-7_0-2 collected for VOC, SVOC, metals, PCBs, pesticides and PFAS analyses.
			Brown, fine to coarse SAND, some Silt and Gravel, little Cobble, Brick, and Concrete (fill); moist.			0.0	
						0.0	
	MIXD					0.0	
5			Dark brown, fine to coarse SAND, some Silt, little Gravel and Wood (fill); moist.			0.4	Soil sample RSB-7_11-13 collected for VOC, SVOC, metals, PCBs, pesticides and PFAS analyses. Bedrock encountered at 13 ft bls.
						0.1	
	MIXD					0.0	
10			Dark brown to grey, fine SAND and SILT, little Gravel, trace clay; moist.			0.0	
	SM					0.0	
	SW-SM		Light brown, fine to coarse SAND, some Silt, trace gravel; moist.			0.0	

Bottom of borehole at 13 feet



Client: Laconia Properties LLC		Site: 4125-4149 Laconia Avenue		Project Number: 3390.0001Y000	
Address: 4125-4149 Laconia Avenue		City/State: Bronx, New York		Logged By: D. Miserendino	
Start to Finish Date: 11/9/2020 - 2/6/2020		Contractor: AARCO Environmental		Drill Type: Hand Auger	
Borehole Depth: 5 feet		Backfill: Sand/Bentonite		Sampler Type/Method: Cuttings	
Area: The Bronx		Elevation: 105.65		DTW: N/A feet	
		Northing: 262889.01		Easting: 102352.52	

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				Precleared to 5 feet bls.
1			Light brown, fine to medium SAND, some coarse Sand and Gravel, trace cobble, concrete, and brick (fill); moist.			0.0	
2						0.0	Soil sample RSB-8_0-2 collected for VOC, SVOC, metals, PCBs, pesticides and PFAS analyses.
3	MIXD					0.0	Soil sample RSB-8_3-5 collected for VOC, SVOC, metals, PCBs, pesticides and PFAS analyses.
4			Light brown, fine to medium SAND, some coarse Sand and Gravel, trace cobble, concrete, and brick (fill); moist.			0.0	
	MIXD						Bedrock encountered at 5 feet bls.

Bottom of borehole at 5 feet

APPENDIX B

Groundwater Sampling Logs

Well Sampling Data Form

Client: Laconia Properties LLC Project Number: 3390.0001Y000

Site Location: 4125-4149 Laconia Ave. Bronx. NY

Well No: RNW-1 Weather: 50°F Cloudy

Date: 12-1-20 Purge Water Disposal: Drum

Sampled By: DM Well Diameter / Type: 2" PVC Flush

Depth of Well (ft): 3.40 Water Column (ft):

Depth to Water(ft): 1.72 Volume of Water in Well (gal)

Depth to Product (ft): - Volume of Water to Remove (gal):

well diameter:	1 in	<u>2 in</u>	4 in	6 in	8 in
gallons per foot:	0.041	<u>0.163</u>	0.653	1.469	2.611

Start Purging: 0830 Purge Rate: 200 mL/min

End Purging: 09:30 Volume of Water Removed (gal): 0.5

Method of Purge: Low Flow Method of Sampling: Low Flow

Physical Appearance/ Comments: Clear, odor

Samples Collected: VOCs(TCL+10), SVOCs(TCL+20), TAL Metals (total+dissolved), PCBs, Pesticides,
(analyses / no. bottles) 1,4 Dioxane, PFAS

Time: 09:40 Laboratory: TestAmerica

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
0835	1.85	200	264	1.42	71.6	5.95	18.64	2.26
0840	1.90	200	244	1.41	64.9	6.52	18.79	1.84
0845	2.00	180	225	1.39	48.2	6.84	18.94	0.99
0850	2.05	180	220	1.38	47.3	6.88	19.26	0.99
0855	2.11	180	218	1.38	43.9	6.90	19.44	0.99

Well Sampling Data Form

Client: Laconia Properties LLC Project Number: 3390.0001Y000

Site Location: 4125-4149 Laconia Ave. Bronx, NY

Well No: RMW-2 Weather: Cloudy, 53°F, 78% H

Date: 12/1/20 Purge Water Disposal: Drum

Sampled By: BM Well Diameter / Type: 2" flush mount

Depth of Well (ft): 24.32 Water Column (ft):

Depth to Water(ft): 8.12 Volume of Water in Well (gal):

Depth to Product (ft): — Volume of Water to Remove (gal):

well diameter: 1 in 2 in 4 in 6 in 8 in

gallons per foot: 0.041 0.163 0.653 1.469 2.611

Start Purging: 0845 Purge Rate: 200 ml/min

End Purging: 1005 Volume of Water Removed (gal): 3.5 gal

Method of Purge: Low Flow Method of Sampling: Low Flow

Physical Appearance/
Comments: Clear, no odor, no sediment

Samples Collected: VOCs(TCL+10), SVOCs(TCL+20), TAL Metals (total+dissolved), PCBs, Pesticides,
(analyses / no. bottles) 1,4 Dioxane, PFAS and MS/MSD

Time: 0925 Laboratory: TestAmerica

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
0850	9.5	200	219	0.614	25.0	6.91	18.79	0.34
0855	9.41	200	190	0.630	7.9	7.08	18.89	0.00
0900	9.46	200	-3	0.604	5.4	7.15	19.11	0.00
0905	9.75	190	-43	0.596	5.5	7.19	19.29	0.00
0910	10.00	190	-62	0.592	4.9	7.26	19.38	0.00
0915	10.04	190	-69	0.593	4.5	7.28	19.40	0.00
0920	10.07	190	-70	0.604	4.2	7.25	19.40	0.00

Well Sampling Data Form

Client: Laconia Properties LLC Project Number: 3390.0001Y000

Site Location: 4125-4149 Laconia Ave. Bronx, NY

Well No: RNW-3 Weather: cloudy, 53°F

Date: 12/1/20 Purge Water Disposal: Drum

Sampled By: BH Well Diameter / Type: 2" flushmount

Depth of Well (ft): 19.89 Water Column (ft): /

Depth to Water(ft): 6.98 Volume of Water in Well (gal): /

Depth to Product (ft): / Volume of Water to Remove (gal): /

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 1050 Purge Rate: 200 mL/min

End Purging: 1300 Volume of Water Removed (gal): 6 gal

Method of Purge: Low Flow Method of Sampling: Low Flow

Physical Appearance/
Comments: orange suspended sediment, no odor

Samples Collected: VOCs(TCL+10), SVOCs(TCL+20), TAL Metals (total+dissolved), PCBs, Pesticides,
(analyses / no. bottles) 1,4 Dioxane, PFAS

Time: 1135 Laboratory: TestAmerica

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
1100	7.21	200	49	0.699	106	6.48	18.44	0.16
1105	7.22	200	36	0.699	67.4	6.50	18.73	0.00
1110	7.24	200	34	0.698	46.2	6.50	18.90	0.00
1115	7.24	200	38	0.698	39.8	6.50	18.96	0.00
1120	7.40	200	62	0.702	30.3	6.49	19.08	0.00
1125	7.38	200	66	0.705	20.9	6.48	18.91	0.00
1130	7.36	200	76	0.726	22.4	6.46	19.12	0.00

Well Sampling Data Form

Client: Laconia Properties LLC **Project Number:** 3390.0001Y000
Site Location: 4125-4149 Laconia Ave. Bronx. NY
Well No: PMW-4 **Weather:** 55°F Cloudy
Date: 12-1-20 **Purge Water Disposal:** Drum
Sampled By: DM **Well Diameter / Type:** 2" PVC Flush mount
Depth of Well (ft): 3.41 **Water Column (ft):** 1
Depth to Water (ft): 0.61 **Volume of Water in Well (gal):** 1
Depth to Product (ft): - **Volume of Water to Remove (gal):** 1

well diameter:	1 in	<u>2 in</u>	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 09:58 **Purge Rate:** 180
End Purging: 11:00 **Volume of Water Removed (gal):** 1
Method of Purge: Low Flow **Method of Sampling:** Low Flow
Physical Appearance/Comments: Clear, odor
Samples Collected: VOCs(TCL+10), SVOCs(TCL+20), TAL Metals (total+dissolved), PCBs, Pesticides,
(analyses / no. bottles) 1,4 Dioxane, PFAS
Time: 10:30 **Laboratory:** TestAmerica

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
1000	0.92	180	-34	2.31	3.9	7.36	18.73	0.95
1005	0.99	180	-59	2.31	3.6	7.33	18.70	0.36
1010	1.15	180	-74	2.31	3.6	7.36	18.64	0.00
1015	1.18	180	-75	2.31	1.7	7.36	18.63	0.00
1020	1.20	180	-76	2.30	2.2	7.36	18.61	0.00

Well Sampling Data Form

Client: Laconia Properties LLC Project Number: 3390.0001Y000

Site Location: 4125-4149 Laconia Ave. Bronx. NY

Well No: RMW-5 Weather: 95°F Cloudy

Date: 12-1-20 Purge Water Disposal: Drum

Sampled By: DM Well Diameter / Type: 2" PVC Flush Mount

Depth of Well (ft): 3.50 Water Column (ft):

Depth to Water(ft): 0.95 Volume of Water in Well (gal):

Depth to Product (ft): - Volume of Water to Remove (gal):

well diameter: 1 in 2 in 4 in 6 in 8 in

gallons per foot: 0.041 0.163 0.653 1.469 2.611

Start Purging: 1133 Purge Rate: 180 mL/min

End Purging: 1240 Volume of Water Removed (gal): 1

Method of Purge: Low Flow Method of Sampling: Low Flow

Physical Appearance/ Comments: Clear

Samples Collected: VOCs(TCL+10), SVOCs(TCL+20), TAL Metals (total+dissolved), PCBs, Pesticides,

(analyses / no. bottles) 1,4 Dioxane, PFAS

Time: 12:15 Laboratory: TestAmerica

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in 10%)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
1135	1.11	180	157	1.49	73.4	7.33	18.70	0.45
1140	1.40	180	155	1.49	63.4	7.28	18.83	0.31
1145	1.55	180	154	1.48	59.1	7.26	18.85	0.22
1150	1.72	180	150	1.49	51.2	7.22	18.91	0.18
1155	1.78	180	147	1.49	50.3	7.21	18.95	0.15
1200	1.84	180	146	1.49	49.8	7.18	18.92	0.09

Well Sampling Data Form

Client: Laconia Properties LLC Project Number: 3390.0001Y000

Site Location: 4125-4149 Laconia Ave. Bronx, NY

Well No: RMW-6 Weather: 40°F Cloudy

Date: 12-2-20 Purge Water Disposal: Drum

Sampled By: DM Well Diameter / Type: 2" PVC Flush Mount

Depth of Well (ft): 1.40 Water Column (ft): /

Depth to Water (ft): 0.40 Volume of Water in Well (gal): /

Depth to Product (ft): - Volume of Water to Remove (gal): /

well diameter: 1 in 2 in 4 in 6 in 8 in
gallons per foot: 0.041 0.163 0.653 1.469 2.611

Start Purging: 0743 Purge Rate: 180 mL/min

End Purging: 0845 Volume of Water Removed (gal): 0.5

Method of Purge: Low Flow Method of Sampling: Low Flow

Physical Appearance/ Comments: Clear

Samples Collected: VOCs(TCL+10), SVOCs(TCL+20), TAL Metals (total+dissolved), PCBs, Pesticides, 1,4 Dioxane, PFAS

Time: 8:20 Laboratory: TestAmerica

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
0745	0.42	180	26	0.681	44.3	7.11	15.78	0.48
0750	0.42	180	12	0.680	40.2	6.91	15.29	0.25
0755	0.42	180	10	0.677	39.3	6.75	14.78	0.11
0800	0.42	180	5	0.676	38.7	6.72	14.73	0.09

Well Sampling Data Form

Client: Laconia Properties LLC Project Number: 3390.0001Y000

Site Location: 4125-4149 Laconia Ave. Bronx, NY

Well No: BMW-7 Weather: 60°F Cloudy

Date: 12-1-20 Purge Water Disposal: Drum

Sampled By: DM Well Diameter / Type: 2" PVC Flush Mount

Depth of Well (ft): 1.70 Water Column (ft): _____

Depth to Water (ft): 0.22 Volume of Water in Well (gal): _____

Depth to Product (ft): - Volume of Water to Remove (gal): _____

well diameter:	1 in	<u>(2 in)</u>	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 1320 Purge Rate: 180 mL/min

End Purging: 1455 Volume of Water Removed (gal): 0.5

Method of Purge: Low Flow Method of Sampling: Low Flow

Physical Appearance/ Comments: Clear

Samples Collected: VOCs(TCL+10), SVOCs(TCL+20), TAL Metals (total+dissolved), PCBs, Pesticides,
1,4 Dioxane, PFAS

Time: 1345 Laboratory: TestAmerica

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
~~1325~~	~~0.25~~	180	-41	0.715	71.0	11.00	15.22	1.58
1330	0.22	180	-40	0.716	48.3	10.98	15.06	1.90
1335	0.30	180	-41	0.716	42.6	10.96	15.01	1.87
1340	0.31	180	-37	0.715	39.8	10.94	14.88	1.88

Well Sampling Data Form

Client: Laconia Properties LLC Project Number: 3390.0001Y000

Site Location: 4125-4149 Laconia Ave. Bronx, NY

Well No: RWW-8 Weather: cloudy, 40°F, 17 mph winds

Date: 8/1 Purge Water Disposal: Drum

Sampled By: 12/2/20 Well Diameter / Type: 2" flushmount

Depth of Well (ft): 14.71 Water Column (ft):

Depth to Water(ft): 8.61 Volume of Water in Well (gal):

Depth to Product (ft): Volume of Water to Remove (gal):

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 0830 Purge Rate: 100 mL/min

End Purging: 1115 Volume of Water Removed (gal): 3.5 gal

Method of Purge: Low Flow Method of Sampling: Low Flow

Physical Appearance/ Comments: clear no odor, no sediment

Samples Collected: VOCs(TCL+10), SVOCs(TCL+20), TAL Metals (total+dissolved), PCBs, Pesticides,

(analyses / no. bottles) 1,4 Dioxane, PFAS

Time: 1020 Laboratory: TestAmerica

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
0905	11.54	100	185	0.500	123	7.23	16.74	6.26
0910	11.94	100	186	0.495	289	7.28	17.66	2.97
0915	11.91	100	185	0.470	211	7.18	17.74	4.55
0920	12.23	100	162	0.463	228	7.42	16.95	6.89
0925	12.24	100	161	0.442	162	7.68	16.66	7.65
0930	12.71	100	163	0.485	242	7.56	17.16	7.33
0935	12.98	100	135	0.491	345	7.34	17.58	6.64
0940	12.99	100	129	0.487	299	7.32	17.79	5.98
0945	13.44	100	132	0.487	273	7.34	17.74	5.79
0950	13.8	100	141	0.482	198	7.46	17.77	5.55

Time	DTW	(ml/min) Flow Rate	ORP	(ms/cm) Conductivity	(NTU) Turbidity	pH	Temp	Dissolved O ₂
0955	14.32	100	148	0.478	122	7.55	18.06	5.41
1000	14.32	100	126	0.419	108	7.51	17.77	7.46
1005	14.32	100	125	0.441	96.2	7.60	17.46	7.36
1010	14.31	100	113	0.460	90.6	7.45	17.37	7.45
1015	14.34	100	97	0.450	90.1	7.80	17.27	7.59

Well Sampling Data Form

Client: Laconia Properties LLC Project Number: 3390.0001Y000

Site Location: 4125-4149 Laconia Ave. Bronx. NY

Well No: LMW-9 Weather: Cloudy, 40°F, 17 mph wind

Date: 12/2/20 Purge Water Disposal: Drum

Sampled By: BH Well Diameter / Type: 2" flushmount

Depth of Well (ft): 18.49 Water Column (ft): /

Depth to Water(ft): 10.15 Volume of Water in Well (gal): /

Depth to Product (ft): / Volume of Water to Remove (gal): /

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 1200 Purge Rate: 120 mL/min

End Purging: / Volume of Water Removed (gal): 3 gal

Method of Purge: Low Flow Method of Sampling: Low Flow

Physical Appearance/ Comments: clear, no sediment, no odor

Samples Collected: VOCs(TCL+10), SVOCs(TCL+20), TAL Metals (total+dissolved), PCBs, Pesticides,
(analyses / no. bottles) 1,4 Dioxane, PFAS

Time: 1245 Laboratory: TestAmerica

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
1205	10.39	120	87	1.64	665	6.65	15.53	0.38
1210	10.40	120	75	1.66	525	6.73	16.69	0.00
1215	10.41	120	59	1.73	411	6.74	17.18	0.00
1220	10.39	120	54	1.78	247	6.74	17.28	0.00
1225	10.39	120	54	1.81	203	6.74	17.36	0.00
1230	10.28	120	52	1.82	210	6.74	17.28	0.00
1235	10.34	120	49	1.98	188	6.74	17.01	0.00
1240	10.44	120	41	1.94	180	6.75	18.16	0.00
1245	SAMPLE - NTU did not drop L 120							

ROUX

Well Sampling Data Form

Client: Laconia Properties LLC **Project Number:** 3390.0001Y000
Site Location: 4125-4149 Laconia Ave. Bronx, NY
Well No: RAW-10 **Weather:** Cloudy, 44°F, 17 mph winds
Date: 12/2/20 **Purge Water Disposal:** Drum
Sampled By: BH **Well Diameter / Type:** 2" P/UHmo wt
Depth of Well (ft): 17.51 **Water Column (ft):** /
Depth to Water(ft): 7.95 **Volume of Water in Well (gal):** /
Depth to Product (ft): / **Volume of Water to Remove (gal):** /

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 1350 **Purge Rate:** 110 mL/min
End Purging: 1500 **Volume of Water Removed (gal):** /
Method of Purge: Low Flow **Method of Sampling:** Low Flow
Physical Appearance/ Comments: Clear, no odor, no sediment
Samples Collected: VOCs(TCL+10), SVOCs(TCL+20), TAL Metals (total+dissolved), PCBs, Pesticides,
 (analyses / no. bottles) 1,4 Dioxane, PFAS
Time: 1445 **Laboratory:** TestAmerica

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
1410	8.75	110 mL/min	21	0.302	0.0	17.03	7.04	0.00
1415	8.87	110	9	0.300	0.0	6.97	17.47	0.00
1420	8.93	110	9	0.300	0.0	6.95	17.52	0.00
1425	8.95	110	9	0.299	0.0	6.92	17.54	0.00
1430	8.97	110	9	0.296	0.0	6.88	17.55	0.00
1435	8.98	110	8	0.298	0.0	6.88	17.54	0.00
1440	8.99	110	9	0.297	0.0	6.87	17.56	0.00

Well Sampling Data Form

Client: Laconia Properties LLC Project Number: 3390.0001Y000

Site Location: 4125-4149 Laconia Ave. Bronx, NY

Well No: MW-1 Weather: 45°F Cloudy

Date: 12-2-20 Purge Water Disposal: Drum

Sampled By: DM Well Diameter / Type: 2" PVC Flush Mount

Depth of Well (ft): 14.10 Water Column (ft): /

Depth to Water(ft): 9.25 Volume of Water in Well (gal): /

Depth to Product (ft): - Volume of Water to Remove (gal): /

well diameter:	1 in	<u>2 in</u>	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 0938 Purge Rate: 200 mL/min

End Purging: 1100 Volume of Water Removed (gal): 2.5

Method of Purge: Low Flow Method of Sampling: Low Flow

Physical Appearance/
Comments: Slightly cloudy

Samples Collected: VOCs(TCL+10), SVOCs(TCL+20), TAL Metals (total+dissolved), PCBs, Pesticides,
(analyses / no. bottles) 1,4 Dioxane, PFAS

Time: 1030 Laboratory: TestAmerica

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV	Conductivity mS/m - S/m	Turbidity NTU	pH SU	Temperature C° - F°	Dissolved O ₂ mg/L
			(+/- 10 mV)	(w/in 3%)	(w/in %10)	(+/- 0.1)	(w/in 3%)	(w/in 10%)
0940	9.31	200	88	1.52	556	7.45	15.37	0.57
0945	9.64	200	88	1.51	221	7.36	15.48	0.49
0950	9.88	200	87	1.48	150	7.29	15.66	0.80
0955	10.01	200	84	1.46	87.7	7.26	15.83	0.57
1000	10.05	200	73	1.29	101	7.03	15.92	0.40
1005	9.90	200	67	1.16	115	6.98	15.73	0.15
1010	9.90	200	48	0.853	98.6	6.92	15.80	0.00
1015	9.90	200	39	0.851	64.7	6.87	15.84	0.00
1020	9.90	200	30	0.795	66.9	6.83	15.81	0.00
1025	9.90	200	28	0.797	63.8	6.78	16.09	0.00

Well Sampling Data Form

Client: Laconia Properties LLC Project Number: 3390.0001Y000

Site Location: 4125-4149 Laconia Ave. Bronx, NY

Well No: MW-2 Weather: 45°F, Clouds

Date: 12-2-20 Purge Water Disposal: Drum

Sampled By: DM Well Diameter / Type: 2" PVC Flush Mount

Depth of Well (ft): 15.40 Water Column (ft): 1

Depth to Water(ft): 9.60 Volume of Water in Well (gal): 1

Depth to Product (ft): - Volume of Water to Remove (gal): 1

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 1108 Purge Rate: 200 mL/min

End Purging: 1213 Volume of Water Removed (gal): 3

Method of Purge: Low Flow Method of Sampling: Low Flow

Physical Appearance/ Comments: Clear

Samples Collected: VOCs(TCL+10), SVOCs(TCL+20), TAL Metals (total+dissolved), PCBs, Pesticides, 1,4 Dioxane, PFAS

Time: 12:10 Laboratory: TestAmerica

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
1110	9.75	200	125	1.08	177	6.99	15.82	1.18
1115	9.90	200	112	1.11	165	6.82	15.66	1.15
1120	9.94	200	105	1.12	167	6.69	16.11	0.17
1125	9.94	200	100	1.12	163	6.66	16.21	0.08
1130	9.94	200	85	1.11	140	6.66	16.43	0.08
1135	9.94	200	72	1.10	106	6.67	16.55	0.08
1140	9.94	200	66	1.09	76.7	6.66	16.59	0.08
1145	9.94	200	61	1.09	58.1	6.66	16.62	0.08
1150	9.94	200	56	1.09	52.6	6.66	16.64	0.08
1155	9.94	200	55	1.09	49.9	6.66	16.65	0.08
1200	9.94	200	55	1.09	49.1	6.66	16.64	0.08

ROUX

Well Sampling Data Form

Client: Laconia Properties LLC Project Number: 3390.0001Y000

Site Location: 4125-4149 Laconia Ave. Bronx, NY

Well No: MW-3 Weather: 45°F Cloudy

Date: 12-2-20 Purge Water Disposal: Drum

Sampled By: DM Well Diameter / Type: 2" PVC Flushmount

Depth of Well (ft): 15.25 Water Column (ft): /

Depth to Water (ft): 10.07 Volume of Water in Well (gal): /

Depth to Product (ft): - Volume of Water to Remove (gal): /

well diameter: 1 in 2 in 4 in 6 in 8 in

gallons per foot: 0.041 0.163 0.653 1.469 2.611

Start Purging: 1238 Purge Rate: 200 mL/min

End Purging: 1417 Volume of Water Removed (gal): 4

Method of Purge: Low Flow Method of Sampling: Low Flow

Physical Appearance/ Comments: Clear, some sediment

Samples Collected: VOCs(TCL+10), SVOCs(TCL+20), TAL Metals (total+dissolved), PCBs, Pesticides,

(analyses / no. bottles) 1,4 Dioxane, PFAS

Time: 13:40 Laboratory: TestAmerica

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
1240	10.31	200	177	3.33	405	6.62	13.61	1.88
1245	10.42	200	171	3.42	349	6.55	13.55	1.87
1250	10.65	200	167	3.98	340	6.34	13.50	1.90
1255	10.68	200	166	3.99	208	6.32	13.52	1.91
1300	10.71	200	150	3.08	173	6.50	14.30	0.84
1305	10.78	200	146	3.01	111	6.50	14.30	0.82
1310	10.78	200	127	2.95	82.9	6.50	14.43	0.95
1315	10.78	200	107	2.80	61.4	6.58	14.51	0.87
1320	10.78	200	113	2.41	60.2	6.60	14.68	0.85
1325	10.78	200	107	2.38	56.1	6.61	14.61	0.11
1330	10.78	200	108	2.39	54.7	6.69	14.60	0.07
1335	10.78	200	108	2.39	55.3	6.70	14.71	0.06

Well Sampling Data Form

Client: Laconia Properties LLC Project Number: 3390.0001Y000

Site Location: 4125-4149 Laconia Ave. Bronx, NY

Well No: MW9R Weather: Cloudy, 53°F

Date: 12/1/20 Purge Water Disposal: Drum

Sampled By: BH Well Diameter / Type: 4" flushmount

Depth of Well (ft): 14.7 Water Column (ft):

Depth to Water(ft): 9.93 Volume of Water in Well (gal):

Depth to Product (ft): Volume of Water to Remove (gal):

well diameter:	1 in	2 in	<u>4 in</u>	6 in	8 in
gallons per foot:	0.041	0.163	<u>0.653</u>	1.469	2.611

Start Purging: 1345 Purge Rate: 220 mL/min

End Purging: 1500 Volume of Water Removed (gal): 4 gal

Method of Purge: Low Flow Method of Sampling: Low Flow

Physical Appearance/
Comments: clear, no odor, trace suspended sediment

Samples Collected: VOCs(TCL+10), SVOCs(TCL+20), TAL Metals (total+dissolved), PCBs, Pesticides,
(analyses / no. bottles) 1,4 Dioxane, PFAS

Time: 1425 Laboratory: TestAmerica

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
1350	9.97	220	80	1.07	62.1	6.76	18.83	0.02
1355	9.97	220	72	1.09	20.6	6.77	19.07	0.00
1400	9.98	220	64	1.09	14.5	6.77	19.08	0.00
1405	9.98	220	65	1.09	15.7	6.77	19.19	0.00
1410	9.99	220	56	1.10	12.1	6.76	19.12	0.00
1415	9.99	220	54	1.10	11.4	6.76	19.10	0.00
1420	9.99	220	53	1.10	11.4	6.76	19.05	0.00

Well Sampling Data Form

Client: Laconia Properties LLC **Project Number:** 3390.0001Y000

Site Location: 4125-4149 Laconia Ave. Bronx. NY

Well No: SUMP-2 **Weather:** Drum

Date: 12-1-20 **Purge Water Disposal:** Drum

Sampled By: DM **Well Diameter / Type:**

Depth of Well (ft): - **Water Column (ft):**

Depth to Water(ft): 0.70 **Volume of Water in Well (gal)**

Depth to Product (ft): - **Volume of Water to Remove (gal):**

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: **Purge Rate:**

End Purging: **Volume of Water Removed (gal):**

Method of Purge: Low Flow **Method of Sampling:** Low Flow

Physical Appearance/ Comments: Clear sump grab sample

Samples Collected: VOCs(TCL+10), SVOCs(TCL+20), TAL Metals (total+dissolved), PCBs, Pesticides,

(analyses / no. bottles) 1,4 Dioxane, PFAS

Time: 14:20 **Laboratory:** TestAmerica

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
1420	0.70	350	111	0.644	1.8	8.58	16.13	4.46

Well Sampling Data Form

Client: Laconia Properties LLC **Project Number:** 3390.000-1Y000

Site Location: 4125-4149 Laconia Ave. Bronx. NY

Well No: SUMP-3 Weather: _____

Date: 12-2-20 Purge Water Disposal: Drum

Sampled By: DM Well Diameter / Type: _____

Depth of Well (ft): Water Column (ft):

Depth to Water(ft): 0.30 Volume of Water in Well (gal)

Depth to Product (ft): Volume of Water to Remove (gal):

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: _____ Purge Rate: _____

End Purging: _____

Volume of Water Removed (gal): _____

Method of Purge: Low Flow Method of Sampling: Low Flow

Physical Appearance/
Comments: yellowish, sulfuric odor sump grab sample

Samples Collected: VOCs(TCL+10), SVOCs(TCL+20), TAL Metals (total+dissolved), PCBs, Pesticides,
(analyses / no. bottles) 1,4 Dioxane, PFAS

Time: 0900 Laboratory: TestAmerica

Field Measurements:

[illegible]**ROUX**

APPENDIX C

Soil Vapor Sampling Logs

Soil Vapor Sampling Form

Date: 11-17-20 Time: 0652
Weather: Partly Cloudy
Temperature: 38-48°F Humidity: 54%
Wind Magnitude: 4 mph Wind Direction: W
Barometric Pressure: 29.97 in. Hg Precipitation: None

Sampling Team: Don Miranda
Sampling Location: SV-4

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)
NE corner of Lucas Ave E2307 lot in gas next to sidewalk

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes
Sampling Depth: 5 feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite: Yes
Apparent Moisture Content: None
Purge Rate: 200 Must be less than 0.2 L/min (200 mL/min)
Purge Time: 5 min
Helium Rate at enclosure: 1875 ppm
Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure Yes/No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time? Yes - batch certified

Starting Pressure: -29 in. of Hg
Starting Time: 0652
Ending Time: 1452
Ending Pressure: -6 in. of Hg

Summa Canister Identification #: 34002021
Flow Regulator ID #: 3781
Sample ID #: SV-4
Time: 1452
Analysis: TO-15
Laboratory: TestAmerica

Soil Vapor Sampling Form

Date: 11-17-20 Time: 0640
Weather: Mostly cloudy
Temperature: 36-46°F Humidity: 54%
Wind Magnitude: 4 mph Wind Direction: W
Barometric Pressure: 29.9 in. Hg Precipitation: 0

Sampling Team: Don Micardine
Sampling Location: SV-5

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

South Lacey Ave sidewalk adjacent to Granada Pl

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: 10 feet below land surface (if ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: Yes

Apparent Moisture Content: None

Purge Rate: 200 Must be less than 0.2 L/min

(200 mL/min)

Purge Time: 7 min

Helium Rate at enclosure: 1465 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time?

Yes - batch certified

Starting Pressure: -28 in. of Hg

Starting Time: 0640

Ending Time: 1440

Ending Pressure: -7 in. of Hg

Summa Canister Identification #: 5664

Flow Regulator ID #: 3111

Sample ID #: SV-5

Time: 1440

Analysis: 10-15

Laboratory: Testman

Soil Vapor Sampling Form

Date: 11-17-20 Time: 0646

Weather: Mostly cloudy
Temperature: 36-46°F Humidity: 54%
Wind Magnitude: 4 mph Wind Direction: W
Barometric Pressure: 29.6 in. Hg Precipitation: 0

Sampling Team: Don Mierandino

Sampling Location: SV-6

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

SE corner of Larkin Ave #2314 st in grass next to sidewalk

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: 7

feet below land surface (if ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: Yes

Apparent Moisture Content: None

Purge Rate: 200

Must be less than 0.2 L/min

(200 mL/min)

Purge Time: 5 min

Helium Rate at enclosure: 2125 ppm

Helium Rate from sample tubing: 0 ppm

Is this rate <10% of the rate at the enclosure

Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ?

Yes - batch certified

Starting Pressure: -29 in. of Hg

Starting Time: 0646

Ending Time: 1446

Ending Pressure: -6 in. of Hg

Summa Canister Identification #: 3012

Flow Regulator ID #: 3099

Sample ID #: SV-6

Time: 1446

Analysis

Laboratory

70-15
TestAmerica

Soil Vapor Sampling Form

Date: 5/4/21 Time: 0810
Weather: cloudy
Temperature: 57°F Humidity: 63%
Wind Magnitude: calm Wind Direction: —
Barometric Pressure: 29.76 Precipitation: —

Sampling Team: JW

Sampling Location: SV-8

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

vehicular traffic, truck deliveries

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: 7-8'

feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: Yes

Apparent Moisture Content: —

Purge Rate: 189 L/min

Must be less than 0.2 L/min (200 mL/min)

Purge Time: 5 minutes

Helium Rate at enclosure: 4100 ppm

Helium Rate from sample tubing: 0 ppm

Is this rate <10% of the rate at the enclosure

Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time? Yes

Starting Pressure: -29 in. of Hg

Starting Time: 0830

Ending Time: 1030

Ending Pressure: -8 in. of Hg

Summa Canister Identification #: 4871

Flow Regulator ID #: 2528

(2hr)

Sample ID #: SV-8

Time

10:30

Analysis

VOC (TO15)

Laboratory

TestAmerica

Soil Vapor Sampling Form

Date: 5/4/21 Time: 0835

Weather: cloudy

Temperature: 57°F Humidity: 63%

Wind Magnitude: calm Wind Direction: —

Barometric Pressure: 29.76 Precipitation: —

Sampling Team: JW

Sampling Location: SV-7

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

vehicular traffic

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: yes

Sampling Depth: 7-8' feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: yes

Apparent Moisture Content: —

Purge Rate: 195 L/min must be less than 0.2 L/min (200 mL/min)

Purge Time: 5 minutes

Helium Rate at enclosure: 3250 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure ☒ Yes ☐ No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ?

☒ Yes DATE

Starting Pressure: -30 in. of Hg

Starting Time: 08:40

Ending Time: 11:00

Ending Pressure: -7.5 in. of Hg

Summa Canister Identification #: 3369

Flow Regulator ID #: 3717

Sample ID #: SV-7

Time: 11:00

Analysis: VOC (TO15)

Laboratory: TestAmerica

Soil Vapor Sampling Form

Date: 5/4/21 Time: 0815
Weather: Cloudy
Temperature: 57°F Humidity: 63%
Wind Magnitude: calm Wind Direction: —
Barometric Pressure: 29.76 Precipitation: —

Sampling Team: JW

Sampling Location: Ambient Air AMB-050421

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

located adjacent to SU-8 (Cacania Ave Sidewalk)

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: —

Sampling Depth: ~4' above feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: —

Apparent Moisture Content: —

Purge Rate: — Must be less than 0.2 L/min (200 mL/min)

Purge Time: —

Helium Rate at enclosure: —

Helium Rate from sample tubing: — Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -29 in. of Hg

Starting Time: 08:35

Ending Time: 10:45

Ending Pressure: -4.5 in. of Hg

Summa Canister Identification #: 5716

Flow Regulator ID #: 3123

Sample ID #: AMB-050421

Time: 10:45

Analysis: VOC (TQ15)

Laboratory: TestAmerica

Remedial Investigation Report
4125-4149 Laconia Avenue, Bronx, New York

APPENDIX D

Analytical Data Reports
(Provided on flash drive in bound copy)

Data Usability Summary Report

Date: December 30, 2020

To: Jeff Wills, Roux Environmental Engineering and Geology, D.P.C.

From: Josh Cope, Roux Associates, Inc.

Subject: **Data Usability Summary Report (DUSR)**
Validation of Laboratory Analytical Data for Laconia Avenue, Bronx, New York
Eurofins TestAmerica SDG Nos.: J55982-1; J55994-1; J56076-1; J56099-1;
J222451-1; J222518-1; J222916-1; J222996-1; J56107-1; J56283-1; J56309-1;
J223816-1; and J224082-1.

Review has been completed for the data packages generated by Eurofins TestAmerica that pertain to samples collected during November 2020 through December 2020 at Laconia Avenue, Bronx, New York. Soil and groundwater samples were analyzed for volatiles, semivolatiles, pesticides, PCBs, metals, and perfluorinated hydrocarbons (PFC). Soil vapor samples were analyzed for volatiles.

The data packages submitted by the laboratory contain full deliverables for validation. This usability report is generated from review of the QC summary form information, full review of sample raw data, and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, in accordance with the project QAPP, with guidance from USEPA national and regional validation guidance, and in consideration of the specific analytical method requirements. The following items were reviewed:

- Data completeness;
- Case narrative;
- Custody documentation;
- Holding times;
- Surrogate and internal standard recoveries;
- Trip, method, and field blanks;
- Matrix spikes and duplicates;
- Field duplicates;
- Laboratory control samples;
- Instrument tunes checks;
- Initial calibrations;
- Calibration checks;
- Isotope dilutions;
- Method compliance; and
- Analytical result verification.

The data review includes evaluation of the items noted in the NYS DER-10 Appendix 2B Section 2.0(c). Deficiencies noted during data review are discussed within the following text. The laboratory QC forms discussed herein can be found within the laboratory data packages.

The sample analyses were performed in general accordance with analytical protocols, and sample results are usable as reported or with minor qualifications as discussed herein.

Some samples were diluted due to extract or matrix effects. This resulted in elevated reporting limits for those samples. Sample results which exceed the calibration range are qualified with an "E" flag, for any analytes that exceed the calibration range.

Data completeness, accuracy, precision, representativeness, and comparability are acceptable. The validator qualifications recommended in this report are provided on the EDDs.

Perfluorinated Hydrocarbons by EPA E537-LL

The isotope dilution analyte (IDA) recovery was outside criteria for one or more analytes for several samples. The data quality is considered affected because a signal-to-noise ratio greater than 10:1 was achieved for all IDA the samples.

The internal standard (IS) response for is above criteria for samples 200-56076-2, -3, and -6. The associate sample detections are qualified as approximate.

The following method blank had a detection of at a level that was above the detection limit but below the reporting limit: perfluorooctanoic acid (PFOA) and sodium 1H,1H,2H,2H-perfluorooctane sulfonate (6:2) for SDG 200-55982-1; PFOA for SDG 200-55994-1; several analytes for SDG 200-56076-1; Perfluoropentanoic acid (PFPeA), Perfluorobutanesulfonic acid (PFBS) and PFOA. The associated detections below the reporting limit have been qualified as non-detect.

Volatiles by EPA TO-15

The associated QC data were acceptable.

Volatile Organic Compounds by EPA 8260

The encores for sample 460-222996-4 were received empty. The lab analyzed this sample for low level VOCs using volume from a soil jar. Result for this sample below 200 ug/kg are qualified biased low due to the sample not being collected according to 5035-L/5035A-L low level specifications.

The continuing calibration is outside criteria for the following:

- Chloromethane for SDG J224082-1;

The associated sample results are qualified as estimated.

The following trip blank had a detection of at a level that was above the reporting limit: acetone in sample 460-222451-8. The associated detections have been qualified as biased high.

The surrogate recovery is above criteria for 4-bromofluorobenzene in sample 460-222916-9. The analytical results for this sample are qualified biased high.

The MS/MSD had recoveries below criteria for the following samples:

- Tetrachloroethylene for sample 460-222916-1;

The results for this analyte in the parent sample is qualified as estimated.

Semivolatile Organic Compounds by EPA 8270/8270SIM

The continuing calibration is outside criteria for the following:

- Indeno[1,2,3-cd]pyrene for SDG J222451-1;
- Naphthalene and 2-methylnaphthalene for SDG J222518-1;
- Benzo(a)pyrene, dibenzo(a)anthracene, and indeno[1,2,3-cd]pyrene for SDG J222916-1.

The associated sample results are qualified as estimated.

The LCS/LCSD had recoveries above criteria for the following sample: benzo(a)pyrene for SDG J222916-1. The associated results for this analyte are qualified as biased high.

The MS/MSD had recoveries outside criteria for the following samples:

- Benzo(a)pyrene and bis(2-ethylhexyl)phthalate for SDG J222916-1.

The results for these analytes in the parent sample have been qualified as estimated.

The field duplicate 460-222451-3/-4 RPD is greater than 50% for several analytes. The associated sample results for these analytes are qualified as estimated.

Pesticides by EPA 8081

The %RPD between the primary and confirmation column exceeded 40% for one or more compounds in the following samples: 460-223816-1; 460-223816-10; 460-222451-3; 460-222451-4. The lower value has been reported and qualified as estimated.

PCBs by EPA 8082

The surrogate recovery is below criteria for tetrachloro-m-xylene in sample 460-222996-6. The reporting limits for this sample are qualified as estimated.

Metals by EPA 6010/6020/7470/7471

The following method blank had a detection of at a level that was above the detection limit but below the reporting limit: lead for SDG J223816-1 and SDG J222996-1. The associated detections below the reporting limit have been qualified as non-detect.

The field duplicate 460-222451-3/-4 RPD is greater than 50% for calcium. The associated sample results for this analyte are qualified as estimated.

Date: April 27, 2020

To: Jeff Wills, Roux Environmental Engineering and Geology D.P.C.

From: Josh Cope, Roux Associates, Inc.

Subject: **Data Usability Summary Report (DUSR)**
Validation of Laboratory Analytical Data for Laconia Avenue, Bronx, New York
Alpha Analytical SDG No. L2013024

Review has been completed for the data packages generated by Alpha Analytical, Inc. that pertain to samples collected March 23, 2020 at Laconia Avenue, Bronx, New York. Vapor samples were analyzed for volatiles.

The data packages submitted by the laboratory contain full deliverables for validation. This usability report is generated from review of the QC summary form information, full review of sample raw data, and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, in accordance with guidance from USEPA national and regional validation guidance, and in consideration of the specific analytical method requirements. The following items were reviewed:

- Data completeness;
- Case narrative;
- Custody documentation;
- Holding times;
- Internal standard recoveries;
- Method blanks;
- Field duplicates;
- Laboratory control samples;
- Instrument tunes checks;
- Initial calibrations;
- Calibration checks;
- Method compliance; and
- Analytical result verification.

The data review includes evaluation of the items noted in the NYS DER-10 Appendix 2B Section 2.0(c). Deficiencies noted during data review are discussed within the following text. The laboratory QC forms discussed herein can be found within the laboratory data packages.

The sample analyses were performed in general accordance with analytical protocols, and sample results are usable as reported or with minor qualifications as discussed herein.

One or more samples were diluted due to extract or matrix effects. This resulted in elevated reporting limits for those samples. Sample results which exceed the calibration range are qualified with an "E" flag, for any analytes that exceed the calibration range.

The field duplicate pair had acceptable relative percent differences (RPDs) with the following exception outside control limits: tetrahydrofuran in duplicate pair L2013024-03/-04. The detections of this analyte in the duplicate pair samples are qualified as estimated.

Data completeness, accuracy, precision, representativeness, and comparability are acceptable. The validator qualifications recommended in this report are provided on the EDDs.

Volatile Organic Compounds by EPA TO-15-SIM

Samples L2013024-01, -03, -04, -05, -07, -08, and -11: The canister volume measured on receipt at the laboratory was greater than 15 inches Hg. Prior to sample analysis, the canister was pressurized with nitrogen to facilitate sample transfer. This addition resulted in dilution of the sample. The reporting limits are elevated accordingly.

Volatile Organic Compounds by EPA TO-15-LL

Samples L2013024-03, -09, -10, -11, -12, -13, -14: The canister volume measured on receipt at the laboratory was greater than 15 inches Hg. Prior to sample analysis, the canister was pressurized with nitrogen to facilitate sample transfer. This addition resulted in dilution of the sample. The reporting limits are elevated accordingly.

Date: May 14, 2021

To: Jeff Wills, Roux Environmental Engineering and Geology, D.P.C.

From: Josh Cope, Roux Associates, Inc.

Subject: **Data Usability Summary Report (DUSR)**
Validation of Laboratory Analytical Data for Laconia Avenue, Bronx, New York
Eurofins TestAmerica SDG No.: J58350-1

Review has been completed for the data packages generated by Eurofins TestAmerica that pertain to samples collected April 4, 2021 at Laconia Avenue, Bronx, New York. Soil vapor samples were analyzed for volatiles.

The data packages submitted by the laboratory contain full deliverables for validation. This usability report is generated from review of the QC summary form information, full review of sample raw data, and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from USEPA national and regional validation guidance, and in consideration of the specific analytical method requirements. The following items were reviewed:

- Data completeness;
- Case narrative;
- Custody documentation;
- Holding times;
- Internal standard recoveries;
- Method blanks;
- Duplicates;
- Field duplicates;
- Laboratory control samples;
- Instrument tunes checks;
- Initial calibrations;
- Calibration checks;
- Method compliance; and
- Analytical result verification.

The data review includes evaluation of the items noted in the NYS DER-10 Appendix 2B Section 2.0(c). Deficiencies noted during data review are discussed within the following text. The laboratory QC forms discussed herein can be found within the laboratory data packages.

The sample analyses were performed in general accordance with analytical protocols, and sample results are usable as reported or with minor qualifications as discussed herein.

Some samples were diluted due to extract or matrix effects. This resulted in elevated reporting limits for those samples. Sample results which exceed the calibration range are qualified with an "E" flag, for any analytes that exceed the calibration range.

Data completeness, accuracy, precision, representativeness, and comparability are acceptable.

Volatiles by EPA TO-15

The tetrachloroethene result for sample 200-58350-2 exceeded the calibration range, qualified "E"; therefore, the sample was analyzed at a higher dilution which was within range for this analyte. Use the diluted sample result, which is qualified "D", for tetrachloroethene.

The associated QC data were acceptable.

Remedial Investigation Report
4125-4149 Laconia Avenue, Bronx, New York

APPENDIX F

CAMP Reports

Roux
Community Air Monitoring Program - Dust

Project: Project
Number: Project
Manager: Location
Date:

4125-4149 Laconia Ave (C203124) - Remedial Investigation 3390.0001Y000
Jeff Wills
4125-4149 Laconia Ave, Bronx, NY
11/9/2020

Upwind Station Serial #: 8530185019		Downwind Station Serial #: 8530133102		15-min Average (Corrected for Background)	Comments
Time	15-min Avg. (mg/m³)	Time	15-min Avg. (mg/m³)		
8:46:32 AM	0.064	8:40:34 AM	NM	0.064	
9:01:32 AM	0.062	8:55:34 AM	0.098	0.036	
9:16:32 AM	0.052	9:10:34 AM	0.051	-0.001	
9:31:32 AM	0.054	9:25:34 AM	0.050	-0.004	
9:46:32 AM	0.051	9:40:34 AM	0.053	0.002	
10:01:32 AM	0.057	9:55:34 AM	0.052	-0.005	
10:16:32 AM	0.057	10:10:34 AM	0.053	-0.004	
10:31:32 AM	0.057	10:25:34 AM	0.057	0.000	
10:46:32 AM	0.054	10:40:34 AM	0.058	0.004	
11:01:32 AM	0.043	10:55:34 AM	0.042	-0.001	
11:16:32 AM	0.045	11:10:34 AM	0.041	-0.004	
11:31:32 AM	0.051	11:25:34 AM	0.045	-0.006	
11:46:32 AM	0.051	11:40:34 AM	0.046	-0.005	
12:01:32 PM	0.057	11:55:34 AM	0.068	0.011	
12:16:32 PM	0.040	12:10:34 PM	0.045	0.005	
12:31:32 PM	0.039	12:25:34 PM	0.034	-0.005	
12:46:32 PM	0.046	12:40:34 PM	0.039	-0.007	
1:01:32 PM	0.041	12:55:34 PM	0.041	0.000	
1:16:32 PM	0.035	1:10:34 PM	0.032	-0.003	
1:31:32 PM	0.039	1:25:34 PM	0.037	-0.002	
1:46:32 PM	0.055	1:40:34 PM	0.037	-0.018	
2:01:32 PM	0.060	1:55:34 PM	0.049	-0.011	
2:16:32 PM	0.063	2:10:34 PM	0.050	-0.013	
2:31:32 PM	0.058	2:25:34 PM	0.050	-0.008	
2:46:32 PM	0.054	2:40:34 PM	0.050	-0.004	

NM = Not measured

Roux
Community Air Monitoring Program - VOCs

Project: Project
Number: Project
Manager: Location
Date:

4125-4149 Laconia Ave (C203124) - Remedial Investigation 3390.0001Y000
Jeff Wills
4125-4149 Laconia Ave, Bronx, NY
11/9/2020

Upwind Station Serial #: 592-915232		Downwind Station Serial #: 592-903454		15-min Average (Corrected for Background)	Comments
Time	15-min Avg. (ppm)	Time	15-min Avg. (ppm)		
8:54:00 AM	0.0	9:03:05 AM	0.0	0.0	
9:09:00 AM	0.0	9:18:05 AM	0.0	0.0	
9:24:00 AM	0.0	9:33:05 AM	0.0	0.0	
9:39:00 AM	0.1	9:48:05 AM	0.0	-0.1	
9:54:00 AM	0.2	10:03:05 AM	0.0	-0.2	
10:09:00 AM	0.3	10:18:05 AM	0.3	0.0	
10:24:00 AM	0.3	10:33:05 AM	0.0	-0.3	
10:39:00 AM	0.3	10:48:05 AM	0.0	-0.3	
10:54:00 AM	0.4	11:03:05 AM	0.1	-0.3	
11:09:00 AM	0.4	11:18:05 AM	0.1	-0.3	
11:24:00 AM	0.4	11:33:05 AM	0.1	-0.3	
11:39:00 AM	0.4	11:48:05 AM	0.1	-0.3	
11:54:00 AM	0.4	12:03:05 PM	0.1	-0.3	
12:09:00 PM	0.4	12:18:05 PM	0.3	-0.1	
12:24:00 PM	0.5	12:33:05 PM	0.2	-0.3	
12:39:00 PM	0.4	12:48:05 PM	0.2	-0.2	
12:54:00 PM	0.4	1:03:05 PM	0.3	-0.1	
1:09:00 PM	0.4	1:18:05 PM	0.4	0.0	
1:24:00 PM	0.3	1:33:05 PM	0.4	0.1	
1:39:00 PM	0.2	1:48:05 PM	0.3	0.1	
1:54:00 PM	0.3	2:03:05 PM	0.3	0.0	
2:09:00 PM	0.2	2:18:05 PM	0.3	0.1	
2:24:00 PM	0.1	2:33:05 PM	0.3	0.2	
2:39:00 PM	0.1	2:48:05 PM	0.3	0.2	

Roux
Community Air Monitoring Program - Dust

Project: 4125-4149 Laconia Ave (C203124) - Remedial Investigation
Project Number: 3390.0001Y000
Project Manager: Jeff Wills
Location: 4125-4149 Laconia Ave, Bronx, NY
Date: 11/10/2020

Upwind Station #1 Serial #: 8530185019		Downwind Station #2 Serial #: 8530133102		15-min Average (Corrected for Background)	Comments
Time	15-min Avg. (mg/m ³)	Time	15-min Avg. (mg/m ³)		
8:24:55 AM	0.111	8:19:24 AM	0.069	-0.042	
8:39:55 AM	0.044	8:34:24 AM	0.051	0.007	
8:54:55 AM	0.036	8:49:24 AM	0.045	0.009	
9:09:55 AM	0.034	9:04:24 AM	0.042	0.008	
9:24:55 AM	0.032	9:19:24 AM	0.036	0.004	
9:39:55 AM	0.023	9:34:24 AM	0.031	0.008	
9:54:55 AM	NM	9:49:24 AM	0.029	0.029	Upwind dustrak malfunction
10:09:55 AM	NM	10:04:24 AM	0.027	0.027	
10:24:55 AM	NM	10:19:24 AM	0.023	0.023	
10:39:55 AM	NM	10:34:24 AM	0.023	0.023	
10:54:55 AM	NM	10:49:24 AM	0.023	0.023	
11:09:55 AM	NM	11:04:24 AM	0.021	0.021	
11:24:55 AM	NM	11:19:24 AM	0.021	0.021	
11:39:55 AM	NM	11:34:24 AM	0.024	0.024	
11:54:55 AM	NM	11:49:24 AM	0.024	0.024	
12:09:55 PM	NM	12:04:24 PM	0.026	0.026	
12:24:55 PM	NM	12:19:24 PM	0.027	0.027	
12:39:55 PM	NM	12:34:24 PM	0.028	0.028	
12:54:55 PM	NM	12:49:24 PM	0.029	0.029	
1:09:55 PM	NM	1:04:24 PM	0.023	0.023	
1:24:55 PM	NM	1:19:24 PM	0.024	0.024	
1:39:55 PM	NM	1:34:24 PM	0.025	0.025	
1:54:55 PM	NM	1:49:24 PM	0.022	0.022	
2:09:55 PM	NM	2:04:24 PM	0.021	0.021	
2:24:55 PM	NM	2:19:24 PM	0.018	0.018	
2:39:55 PM	NM	2:34:24 PM	0.018	0.018	

NM = Not measured

Roux
Community Air Monitoring Program - VOCs

Project: 4125-4149 Laconia Ave (C203124) - Remedial Investigation
Project Number: 3390.0001Y000
Project Manager: Jeff Wills
Location: 4125-4149 Laconia Ave, Bronx, NY
Date: 11/10/2020

Upwind Station #1 Serial #: 592-915232		Downwind Station #2 Serial #: 592-903454		15-min Average (Corrected for Background)	Comments
Time	15-min Avg. (ppm)	Time	15-min Avg. (ppm)		
8:36:46 AM	0.1	8:31:41 AM	0.0	-0.1	
8:51:46 AM	0.1	8:46:41 AM	0.1	0.0	
9:06:46 AM	0.1	9:01:41 AM	0.2	0.1	
9:21:46 AM	0.1	9:16:41 AM	0.2	0.1	
9:36:46 AM	0.1	9:31:41 AM	0.2	0.1	
9:51:46 AM	0.1	9:46:41 AM	0.2	0.1	
10:06:46 AM	0.1	10:01:41 AM	0.3	0.2	
10:21:46 AM	0.1	10:16:41 AM	0.3	0.2	
10:36:46 AM	0.1	10:31:41 AM	0.4	0.3	
10:51:46 AM	0.1	10:46:41 AM	0.4	0.3	
11:06:46 AM	0.1	11:01:41 AM	0.3	0.2	
11:21:46 AM	0.1	11:16:41 AM	0.3	0.2	
11:36:46 AM	0.1	11:31:41 AM	0.3	0.2	
11:51:46 AM	0.1	11:46:41 AM	0.4	0.3	
12:06:46 PM	0.1	12:01:41 PM	0.4	0.3	
12:21:46 PM	0.1	12:16:41 PM	0.5	0.4	
12:36:46 PM	0.1	12:31:41 PM	0.5	0.4	
12:51:46 PM	0.1	12:46:41 PM	0.4	0.3	
1:06:46 PM	0.1	1:01:41 PM	0.5	0.4	
1:21:46 PM	0.1	1:16:41 PM	0.6	0.5	
1:36:46 PM	0.1	1:31:41 PM	0.6	0.5	
1:51:46 PM	0.1	1:46:41 PM	0.6	0.5	
2:06:46 PM	0.1	2:01:41 PM	0.5	0.4	
2:21:46 PM	0.1	2:16:41 PM	0.4	0.3	
2:36:46 PM	0.1	2:31:41 PM	0.4	0.3	
2:51:46 PM	0.2	2:46:41 PM	0.4	0.2	

Roux
Community Air Monitoring Program - Dust

Project: 4125-4149 Laconia Ave (C203124) - Remedial Investigation
Project Number: 3390.0001Y000
Project Manager: Jeff Wills
Location: 4125-4149 Laconia Ave, Bronx, NY
Date: 11/11/2020

Upwind Station Serial #: 8530185019		Downwind Station Serial #: 8530133102		15-min Average (Corrected for Background)	Comments
Time	15-min Avg. (mg/m ³)	Time	15-min Avg. (mg/m ³)		
7:39:23 AM	0.019	7:35:38 AM	0.041	0.022	
7:54:23 AM	0.019	7:50:38 AM	0.017	-0.002	
8:09:23 AM	0.045	8:05:38 AM	0.047	0.002	
8:24:23 AM	0.024	8:20:38 AM	0.032	0.008	
8:39:23 AM	0.029	8:35:38 AM	0.036	0.007	
8:54:23 AM	0.024	8:50:38 AM	0.016	-0.008	
9:09:23 AM	0.023	9:05:38 AM	0.018	-0.005	
9:24:23 AM	0.316	9:20:38 AM	0.024	-0.292	Elevated upwind detection associated with delivery truck
9:39:23 AM	0.024	9:35:38 AM	0.019	-0.005	
9:54:23 AM	0.019	9:50:38 AM	0.017	-0.002	
10:09:23 AM	0.018	10:05:38 AM	0.016	-0.002	
10:24:23 AM	0.015	10:20:38 AM	0.014	-0.001	
10:39:23 AM	0.016	10:35:38 AM	0.014	-0.002	
10:54:23 AM	0.017	10:50:38 AM	0.015	-0.002	
11:09:23 AM	0.019	11:05:38 AM	0.017	-0.002	
11:24:23 AM	0.019	11:20:38 AM	0.018	-0.001	
11:39:23 AM	0.035	11:35:38 AM	0.026	-0.009	
11:54:23 AM	0.045	11:50:38 AM	0.019	-0.026	
12:09:23 PM	0.027	12:05:38 PM	0.021	-0.006	
12:24:23 PM	0.034	12:20:38 PM	0.021	-0.013	
12:39:23 PM	0.048	12:35:38 PM	0.023	-0.025	
12:54:23 PM	0.025	12:50:38 PM	0.020	-0.005	
1:09:23 PM	0.029	1:05:38 PM	0.019	-0.010	

Roux
Community Air Monitoring Program - VOCs

Project: 4125-4149 Laconia Ave (C203124) - Remedial Investigation
 Project Number: 3390.0001Y000
 Project Manager: Jeff Wills
 Location: 4125-4149 Laconia Ave, Bronx, NY
 Date: 11/11/2020

Upwind Station Serial #: 592-915232		Downwind Station Serial #: 592-903454		15-min Average (Corrected for Background)	Comments
Time	15-min Avg. (ppm)	Time	15-min Avg. (ppm)		
7:40:20 AM	0.1	7:35:31 AM	0.1	0.0	
7:55:20 AM	0.1	7:50:31 AM	0.2	0.1	
8:10:20 AM	0.2	8:05:31 AM	0.2	0.0	
8:25:20 AM	0.2	8:20:31 AM	0.2	0.0	
8:40:20 AM	0.2	8:35:31 AM	0.2	0.0	
8:55:20 AM	0.2	8:50:31 AM	0.3	0.1	
9:10:20 AM	0.2	9:05:31 AM	0.3	0.1	
9:25:20 AM	0.2	9:20:31 AM	0.3	0.1	
9:40:20 AM	0.3	9:35:31 AM	0.3	0.0	
9:55:20 AM	0.3	9:50:31 AM	0.3	0.0	
10:10:20 AM	0.3	10:05:31 AM	0.3	0.0	
10:25:20 AM	0.3	10:20:31 AM	0.3	0.0	
10:40:20 AM	0.3	10:35:31 AM	0.4	0.1	
10:55:20 AM	0.3	10:50:31 AM	0.3	0.0	
11:10:20 AM	0.3	11:05:31 AM	0.3	0.0	
11:25:20 AM	0.3	11:20:31 AM	0.3	0.0	
11:40:20 AM	0.3	11:35:31 AM	0.3	0.0	
11:55:20 AM	0.3	11:50:31 AM	0.3	0.0	
12:10:20 PM	0.3	12:05:31 PM	0.3	0.0	
12:25:20 PM	0.3	12:20:31 PM	0.3	0.0	
12:40:20 PM	0.3	12:35:31 PM	0.3	0.0	
12:55:20 PM	0.3	12:50:31 PM	0.3	0.0	
1:10:20 PM	0.3	1:05:31 PM	0.3	0.0	

Roux
Community Air Monitoring Program - Dust

Project: 4125-4149 Laconia Ave (C203124) - Remedial Investigation
Project Number: 3390.0001Y000
Project Manager: Jeff Wills
Location: 4125-4149 Laconia Ave, Bronx, NY
Date: 11/12/2020

Upwind Station Serial #: 8530185019		Downwind Station Serial #: 8530133102		15-min Average (Corrected for Background)	Comments
Time	15-min Avg. (mg/m ³)	Time	15-min Avg. (mg/m ³)		
10:31:44 AM	0.014	10:38:10 AM	0.009	-0.005	
10:46:44 AM	0.011	10:53:10 AM	0.001	-0.010	
11:01:44 AM	0.012	11:08:10 AM	0.000	-0.012	
11:16:44 AM	0.010	11:23:10 AM	0.000	-0.010	
11:31:44 AM	0.011	11:38:10 AM	-0.001	-0.012	
11:46:44 AM	0.008	11:53:10 AM	-0.001	-0.009	
12:01:44 PM	0.009	12:08:10 PM	0.000	0.000	
12:16:44 PM	0.008	12:23:10 PM	-0.001	-0.001	
12:31:44 PM	0.007	12:38:10 PM	-0.001	-0.001	
12:46:44 PM	0.007	12:53:10 PM	-0.002	-0.002	
1:01:44 PM	0.008	1:08:10 PM	0.000	0.000	
1:16:44 PM	0.009	1:23:10 PM	-0.001	-0.001	
1:31:44 PM	0.009	1:38:10 PM	-0.001	-0.001	

Roux
Community Air Monitoring Program - VOCs

Project: 4125-4149 Laconia Ave (C203124) - Remedial Investigation
Project Number: 3390.0001Y000
Project Manager: Jeff Wills
Location: 4125-4149 Laconia Ave, Bronx, NY
Date: 11/12/2020

Upwind Station Serial #: 592-915232		Downwind Station Serial #: 592-903454		15-min Average (Corrected for Background)	Comments
Time	15-min Avg. (ppm)	Time	15-min Avg. (ppm)		
10:32:56 AM	0.1	10:37:08 AM	0.1	0.0	
10:47:56 AM	0.1	10:52:08 AM	0.1	0.0	
11:02:56 AM	0.1	11:07:08 AM	0.1	0.0	
11:17:56 AM	0.1	11:22:08 AM	0.1	0.0	
11:32:56 AM	0.1	11:37:08 AM	0.1	0.0	
11:47:56 AM	0.1	11:52:08 AM	0.1	0.0	
12:02:56 PM	0.1	12:07:08 PM	0.1	0.0	
12:17:56 PM	0.1	12:22:08 PM	0.1	0.0	
12:32:56 PM	0.1	12:37:08 PM	0.1	0.0	
12:47:56 PM	0.1	12:52:08 PM	0.1	0.0	
1:02:56 PM	0.1	1:07:08 PM	0.1	0.0	
1:17:56 PM	0.1	1:22:08 PM	0.1	0.0	
1:32:56 PM	0.1	1:37:08 PM	0.1	0.0	

Roux
Community Air Monitoring Program - Dust

Project: 4125-4149 Laconia Ave (C203124) - Remedial Investigation
 Project Number: 3390.0001Y000
 Project Manager: Jeff Wills
 Location: 4125-4149 Laconia Ave, Bronx, NY
 Date: 11/16/2020

Station #1 Serial #: 8530185019		Station #2 Serial #: 8530133102		Comments
Time	15-min Avg. (mg/m ³)	Time	15-min Avg. (mg/m ³)	
7:58:56 AM	0.042	8:02:57 AM	0.112	Dust generated from cutting concrete, work stopped and water was used to mitigate concrete dust
8:13:56 AM	0.029	8:17:57 AM	0.031	
8:28:56 AM	0.010	8:32:57 AM	0.045	
8:43:56 AM	0.010	8:47:57 AM	0.092	
8:58:56 AM	0.012	9:02:57 AM	0.060	
9:13:56 AM	0.025	9:17:57 AM	0.065	
9:28:56 AM	0.009	9:32:57 AM	0.045	
9:43:56 AM	0.008	9:47:57 AM	0.053	
9:58:56 AM	0.009	10:02:57 AM	0.022	
10:13:56 AM	0.013	10:17:57 AM	0.056	
10:28:56 AM	0.014	10:32:57 AM	0.025	
10:43:56 AM	0.010	10:47:57 AM	0.053	
10:58:56 AM	0.009	11:02:57 AM	0.045	
11:13:56 AM	0.006	11:17:57 AM	0.021	
11:28:56 AM	0.006	11:32:57 AM	0.261	Dust generated from cutting concrete, work stopped and water was used to mitigate concrete dust
11:43:56 AM	0.007	11:47:57 AM	0.084	
11:58:56 AM	0.025	12:02:57 PM	0.081	
12:13:56 PM	0.007	12:17:57 PM	0.028	
12:28:56 PM	0.011	12:32:57 PM	0.022	
12:43:56 PM	0.010	12:47:57 PM	0.022	
12:58:56 PM	0.007	1:02:57 PM	0.042	
1:13:56 PM	NM	1:17:57 PM	0.064	Station #1 dust station malfunction.
1:28:56 PM	NM	1:32:57 PM	0.071	

NM = Not Measured

Station #1 - Located near door to basement.

Station #2 - Located in basement corridor leading to work area.

Roux
Community Air Monitoring Program - VOCs

Project: 4125-4149 Laconia Ave (C203124) - Remedial Investigation
 Project Number: 3390.0001Y000
 Project Manager: Jeff Wills
 Location: 4125-4149 Laconia Ave, Bronx, NY
 Date: 11/16/2020

Upwind Station Serial #: 592-915232		Downwind Station Serial #: 592-903454		Comments
Time	15-min Avg. (ppm)	Time	15-min Avg. (ppm)	
8:04:43 AM	0.1	7:59:39 AM	0.0	
8:19:43 AM	0.2	8:14:39 AM	0.1	
8:34:43 AM	0.7	8:29:39 AM	0.1	
8:49:43 AM	1.5	8:44:39 AM	0.2	
9:04:43 AM	1.6	8:59:39 AM	0.2	
9:19:43 AM	1.2	9:14:39 AM	0.2	
9:34:43 AM	0.7	9:29:39 AM	0.1	
9:49:43 AM	0.7	9:44:39 AM	0.2	
10:04:43 AM	0.6	9:59:39 AM	0.2	
10:19:43 AM	0.4	10:14:39 AM	0.2	
10:34:43 AM	0.4	10:29:39 AM	0.2	
10:49:43 AM	0.3	10:44:39 AM	0.2	
11:04:43 AM	0.2	10:59:39 AM	0.2	
11:19:43 AM	0.3	11:14:39 AM	0.2	
11:34:43 AM	0.3	11:29:39 AM	0.2	
11:49:43 AM	0.2	11:44:39 AM	0.2	
12:04:43 PM	0.2	11:59:39 AM	0.2	
12:19:43 PM	0.2	12:14:39 PM	0.1	
12:34:43 PM	0.2	12:29:39 PM	0.1	
12:49:43 PM	0.2	12:44:39 PM	0.1	
1:04:43 PM	0.2	12:59:39 PM	0.1	
1:19:43 PM	0.2	1:14:39 PM	0.2	
1:34:43 PM	0.2	1:29:39 PM	0.2	

Station #1 - Located near door to basement.

Station #2 - Located in basement corridor leading to work area.

Roux
Community Air Monitoring Program - Dust

Project: 4125-4149 Laconia Ave (C203124) - Remedial Investigation
 Project Number: 3390.0001Y000
 Project Manager: Jeff Wills
 Location: 4125-4149 Laconia Ave, Bronx, NY
 Date: 11/17/2020

Station #1 Serial #: 8530185019		Station #2 Serial #: 8530133102		Comments
Time	15-min Avg. (mg/m ³)	Time	15-min Avg. (mg/m ³)	
8:04:03 AM	0.023	8:03:21 AM	0.071	
8:19:03 AM	0.027	8:18:21 AM	0.078	
8:34:03 AM	0.042	8:33:21 AM	0.096	
8:49:03 AM	0.041	8:48:21 AM	0.084	
9:04:03 AM	0.046	9:03:21 AM	0.082	
9:19:03 AM	0.033	9:18:21 AM	0.047	
9:34:03 AM	0.015	9:33:21 AM	0.029	
9:49:03 AM	0.025	9:48:21 AM	0.027	
10:04:03 AM	0.025	10:03:21 AM	0.041	
10:19:03 AM	0.026	10:18:21 AM	0.039	
10:34:03 AM	0.020	10:33:21 AM	0.029	
10:49:03 AM	0.018	10:48:21 AM	0.021	
11:04:03 AM	0.018	11:03:21 AM	0.027	
				CAMP moved to Associated Grocery basement
12:07:32 PM	0.022	12:07:39 PM	0.054	
12:22:32 PM	0.024	12:22:39 PM	0.032	
12:37:32 PM	0.028	12:37:39 PM	0.032	
12:52:32 PM	0.043	12:52:39 PM	0.048	
1:07:32 PM	0.113	1:07:39 PM	0.092	Dust generated from cutting concrete, work stopped and water was used to mitigate the dust.
1:22:32 PM	0.085	1:22:39 PM	0.093	
1:37:32 PM	0.075	1:37:39 PM	0.084	
1:52:32 PM	0.060	1:52:39 PM	0.062	
2:07:32 PM	0.060	2:07:39 PM	0.059	
2:22:32 PM	0.066	2:22:39 PM	0.058	

Station #1 - Located near door to basement during work at RMW-4 and RMW-5.

Station #2 - Located in basement corridor leading to work area during work at RMW-4 and RMW-5.

Station #1 - Located in Associated Grocery basement during work at RMW-6 and RMW-7.

Station #2 - Located in Associated Grocery basement during work at RMW-6 and RMW-7.

Roux
Community Air Monitoring Program - VOCs

Project: 4125-4149 Laconia Ave (C203124) - Remedial Investigation
 Project Number: 3390.0001Y000
 Project Manager: Jeff Wills
 Location: 4125-4149 Laconia Ave, Bronx, NY
 Date: 11/17/2020

Station #1 Serial #: 8530185019		Station #2 Serial #: 8530133102		Comments
Time	15-min Avg. (ppm)	Time	15-min Avg. (ppm)	
8:06:15 AM	0.0	8:04:19 AM	0.0	
8:21:15 AM	0.1	8:19:19 AM	0.0	
8:36:15 AM	0.1	8:34:19 AM	0.1	
8:51:15 AM	0.1	8:49:19 AM	0.1	
9:06:15 AM	0.1	9:04:19 AM	0.1	
9:21:15 AM	0.1	9:19:19 AM	0.2	
9:36:15 AM	0.1	9:34:19 AM	0.1	
9:51:15 AM	0.1	9:49:19 AM	0.2	
10:06:15 AM	0.1	10:04:19 AM	0.1	
10:21:15 AM	0.1	10:19:19 AM	0.2	
10:36:15 AM	0.1	10:34:19 AM	0.2	
10:51:15 AM	0.1	10:49:19 AM	0.2	
11:06:15 AM	0.1	11:04:19 AM	0.2	
				CAMP moved to Associated Grocery basement
12:06:15 PM	0.2	12:04:19 PM	0.2	
12:21:15 PM	0.3	12:19:19 PM	0.3	
12:36:15 PM	0.3	12:34:19 PM	0.3	
12:51:15 PM	0.3	12:49:19 PM	0.3	
1:06:15 PM	0.3	1:04:19 PM	0.3	
1:21:15 PM	0.3	1:19:19 PM	0.3	
1:36:15 PM	0.3	1:34:19 PM	0.3	
1:51:15 PM	0.3	1:49:19 PM	0.3	
2:06:15 PM	0.3	2:04:19 PM	0.3	
2:21:15 PM	0.4	2:19:19 PM	0.3	

Station #1 - Located near door to basement during work at RMW-4 and RMW-5.

Station #2 - Located in basement corridor leading to work area during work at RMW-4 and RMW-5.

Station #1 - Located in Associated Grocery basement during work at RMW-6 and RMW-7.

Station #2 - Located in Associated Grocery basement during work at RMW-6 and RMW-7.

Roux
Community Air Monitoring Program - Dust

Project: 4125-4149 Laconia Ave (C203124) - Remedial Investigation
 Project Number: 3390.0001Y000
 Project Manager: Jeff Wills
 Location: 4125-4149 Laconia Ave, Bronx, NY
 Date: 4/29/2021

Upwind Station Serial #: 8530171305		Downwind Station Serial #: 8530141201		15-min Average (Corrected for Background)	Comments
Time	15-min Avg. (mg/m ³)	Time	15-min Avg. (mg/m ³)		
8:23:12 AM	0.071	8:17:13 AM	0.084	0.013	
8:38:12 AM	0.068	8:32:13 AM	0.083	0.015	
8:53:12 AM	0.064	8:47:13 AM	0.073	0.009	
9:08:12 AM	0.065	9:02:13 AM	0.074	0.009	
9:23:12 AM	0.070	9:17:13 AM	0.081	0.011	
9:38:12 AM	0.066	9:32:13 AM	0.074	0.008	
9:53:12 AM	0.066	9:47:13 AM	0.071	0.005	
10:08:12 AM	0.106	10:02:13 AM	0.067	-0.039	
10:23:12 AM	0.072	10:17:13 AM	0.076	0.004	
10:38:12 AM	0.085	10:32:13 AM	0.089	0.004	
10:53:12 AM	0.008	10:47:13 AM	0.097	0.089	
11:08:12 AM	0.009	11:02:13 AM	0.100	0.091	

Roux
Community Air Monitoring Program - VOCs

Project: 4125-4149 Laconia Ave (C203124) - Remedial Investigation
 Project Number: 3390.0001Y000
 Project Manager: Jeff Wills
 Location: 4125-4149 Laconia Ave, Bronx, NY
 Date: 4/29/2021

Upwind Station Serial #: 592-928504		Downwind Station Serial #: 592-903439		15-min Average (Corrected for Background)	Comments
Time	15-min Avg. (ppm)	Time	15-min Avg. (ppm)		
8:24:51 AM	0.1	8:30:27 AM	3.1	3.0	PID readings attributed to nearby idling vehicle
8:39:51 AM	0.2	8:45:27 AM	2.8	2.6	
8:54:51 AM	0.2	9:00:27 AM	1.6	1.4	
9:09:51 AM	0.2	9:15:27 AM	1.2	1.0	
9:24:51 AM	0.3	9:30:27 AM	0.7	0.4	
9:39:51 AM	0.3	9:45:27 AM	0.2	-0.1	
9:54:51 AM	0.3	10:00:27 AM	0.0	-0.3	
10:09:51 AM	0.4	10:15:27 AM	0.0	-0.4	
10:24:51 AM	NM	10:30:27 AM	0.0	0.0	
10:39:51 AM	NM	10:45:27 AM	0.0	0.0	

APPENDIX G

NYSDEC Contained-In Determination Approval Letter

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management

625 Broadway, 9th Floor, Albany, New York 12233-7256

P: (518) 402-8651 | F: (518) 402-9024

www.dec.ny.gov

January 12, 2021

Sent via e-mail, no hard copy to follow

Mr. Jeff Wills, P.G. – NY
Senior Hydrogeologist
ROUX
209 Shafter Street
Islandia, New York 11749

Re: Contained-In Waste Determination
4125-4149 Laconia Avenue, Bronx, NY
DER Site No. C203124

Dear Mr. Wills:

We have completed our review of the soil sampling data (Lab sample ID: 460-222995-1) submitted with your January 5, 2021 request for a “contained-in” determination for the referenced project.

Concentrations (Lab sample ID: 460-222995-1) detected for individual volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, PCBs and pesticides were all less than their current NYSDEC “contained in” soil action levels and Land Disposal Restriction concentrations. Most of the individual VOCs, SVOCs and pesticides were not detected above the reporting limit. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

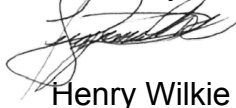
Concentrations for tetrachloroethene and trichloroethene detected in the soil sample ((Lab sample ID: 460-222995-1) were below the soil “contained-in” action levels and Land Disposal Restriction concentrations. Therefore, six (6) 55-gallon drums of soil and two (2) 55-gallon drums of concrete debris generated from the investigation work completed at the referenced project, do not have to be managed as a hazardous waste and may be transported off-site to permitted 360 solid waste facility or an out-state permitted solid waste facility able to accept this material, as non-hazardous waste.



Department of
Environmental
Conservation

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Henry Wilkie', with a stylized flourish at the end.

Henry Wilkie
Assistant Environmental Engineer
RCRA Permitting Section

ec: A. Fischer, DEC

Remedial Investigation Report
4125-4149 Laconia Avenue, Bronx, New York

APPENDIX H

Waste Documentation



February 24, 2021

Mr. Jeff Wills
Roux, Inc.
209 Shafter Street
Islandia, NY 11749

RE: Laconia Properties, LLC

Dear Mr. Wills;

Please be advised that Republic Environmental Systems (PA) LLC, a Clean Earth Company (formerly PSC) is pleased to inform you that the following waste streams have been approved for processing from the following generator:

<u>Generator</u>	<u>Waste Stream</u>	<u>Approval</u>
Laconia Properties, LLC	Non Hazardous Soil	1713264
Laconia Properties, LLC	Non Hazardous Concrete	1716123
Laconia Properties, LLC	Hazardous Purge Water	1716125

Our Hatfield, PA facility has the appropriate permits and is willing to receive the material as described on the Material Characterization Reports. All material submitted for approval are within our acceptance criteria. Please reference the approval numbers above on all containers.

Thank you for considering Republic Environmental Systems (PA), LLC. We look forward to servicing your waste management needs.

If you require any additional information, please call me at 215-822-2676.

Sincerely,

Ashley Seroskie

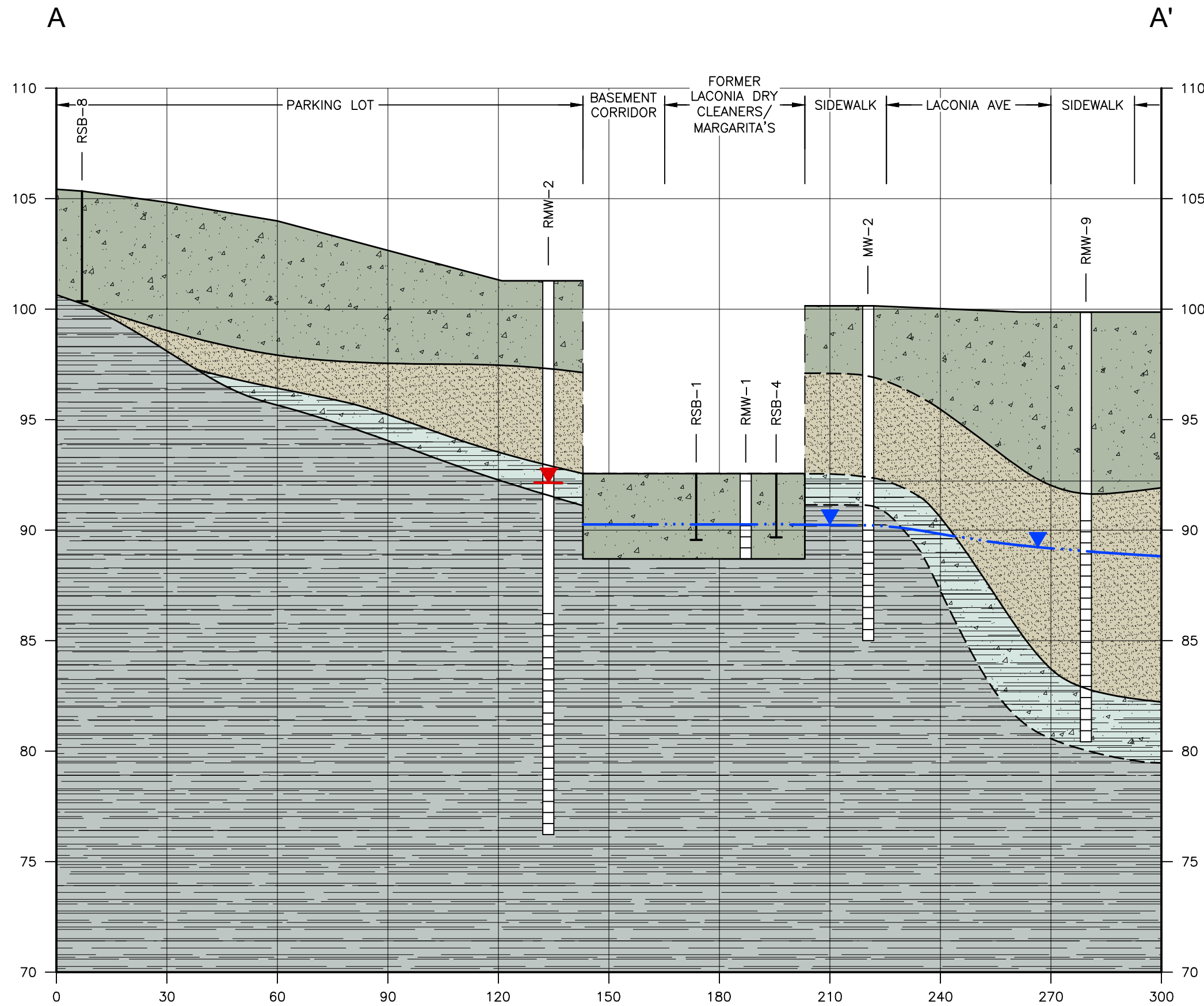
Ashley Seroskie
Customer Service Representative
Clean Earth

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NYR000248757		2. Page 1 of 1		3. Emergency Response Phone (267) 406-0093		4. Manifest Tracking Number 022280002 JJK									
		5. Generator's Name and Mailing Address Laconia Properties, LLC 30-29 Steinway Street, 2nd Floor Astoria NY 11103 Generator's Phone: 718 932-5600						Generator's Site Address (if different than mailing address) Laconia Properties, LLC 4125-4149 Laconia Avenue Bronx NY 10466									
GENERATOR		6. Transporter 1 Company Name Innovative Recycling Technologies, Inc.						U.S. EPA ID Number NYR000134940									
		7. Transporter 2 Company Name Republic Environmental Systems (Trans Group) LLC						U.S. EPA ID Number PAD982661381									
DESIGNATED FACILITY		8. Designated Facility Name and Site Address Republic Environmental Systems (PA), LLC 2869 Sandstone Drive Hatfield PA 19440 Facility's Phone: 215 822-8995						U.S. EPA ID Number PAD085690597									
TRANSPORTER		9a. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity		12. Unit Wt./Vol.		13. Waste Codes					
						No. Type											
		1. HA3082, Hazardous waste, liquid, n.o.s. 9, PGIII, (D039) (Tetrachloroethylene) ERG#171				2 Dm		600		P		D039 1					
		2.															
		3.															
INT'L		4.															
		14. Special Handling Instructions and Additional Information Doc#															
		15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.															
		Generator's/Offoror's Printed/Typed Name ARAGYROS KATOS						Signature 		Month 2		Day 15		Year 21			
		16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____															
DESIGNATED FACILITY		17. Transporter Acknowledgment of Receipt of Materials															
		Transporter 1 Printed/Typed Name Francis McShane						Signature 		Month 2		Day 15		Year 21			
		Transporter 2 Printed/Typed Name						Signature		Month		Day		Year			
DESIGNATED FACILITY		18. Discrepancy															
		18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection															
		Manifest Reference Number:															
		18b. Alternate Facility (or Generator)						U.S. EPA ID Number									
		Facility's Phone:															
DESIGNATED FACILITY		18c. Signature of Alternate Facility (or Generator)															
		19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)															
		1.		2.		3.		4.									
		20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a															
Printed/Typed Name						Signature		Month		Day		Year					

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number NYR000248757	2. Page 1 of 1	3. Emergency Response Phone (267) 406-0083	4. Waste Tracking Number 42952	
5. Generator's Name and Mailing Address Laconia Properties, LLC 30-29 Steinway Street, 2nd Floor Astoria NY 11103			Generator's Site Address (if different than mailing address) Laconia Properties, LLC 4125-4149 Laconia Avenue Bronx NY 10466			
Generator's Phone: 718 932-5600						
6. Transporter 1 Company Name Innovative Recycling Technologies, Inc.			U.S. EPA ID Number NYR000134940			
7. Transporter 2 Company Name Republic Environmental Systems (Trans Group) LLC			U.S. EPA ID Number PAD982661381			
8. Designated Facility Name and Site Address Republic Environmental Systems (PA), LLC 2869 Sandstone Drive Hatfield PA 19440			U.S. EPA ID Number PAD085690592			
Facility's Phone: 215 822-8995						
GENERATOR	9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
	1. Non Hazardous Soil Non-DOT Regulated Material		45	DM	1200	P
	2. Non Hazardous Concrete Non-DOT Regulated Material		20	DM	600	P
	3.					
4.						
13. Special Handling Instructions and Additional Information 9.11 9.2) Doc#						
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.						
Generator's/Offor's Printed/Typed Name AR44R105 KAT05			Signature 		Month Day Year 2 15 21	
INT'L	15. International Shipments ☐ Import to U.S. ☐ Export from U.S.			Port of entry/exit:		
	Transporter Signature (for exports only):			Date leaving U.S.:		
TRANSPORTER	16. Transporter Acknowledgment of Receipt of Materials					
	Transporter 1 Printed/Typed Name Francis McShane			Signature 		Month Day Year 2 15 21
	Transporter 2 Printed/Typed Name			Signature		Month Day Year
DESIGNATED FACILITY	17. Discrepancy					
	17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection					
	Manifest Reference Number:					
	17b. Alternate Facility (or Generator)			U.S. EPA ID Number		
	Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)					Month Day Year	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a						
Printed/Typed Name			Signature		Month Day Year	

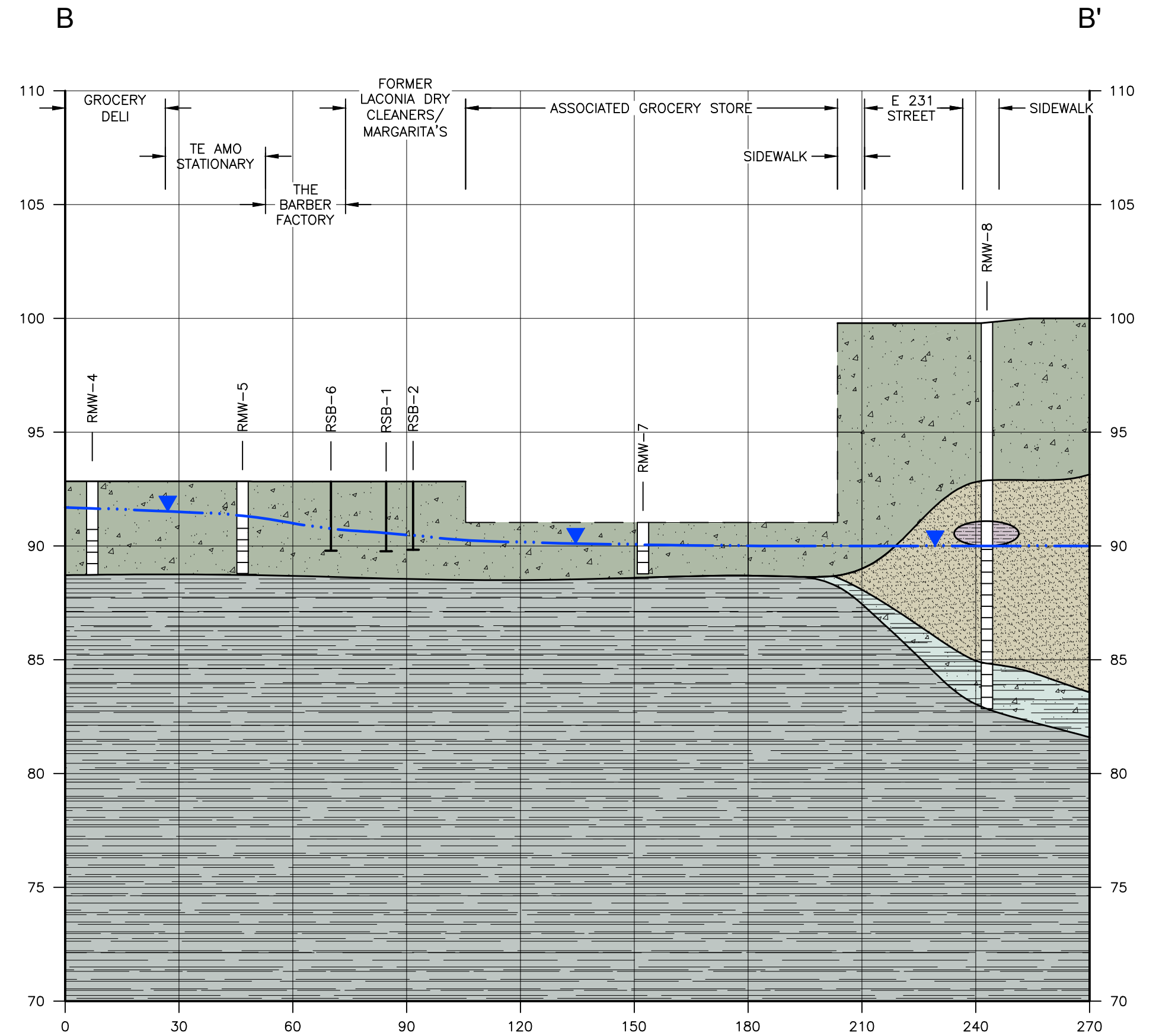
PLATES

1. Generalized Geologic Cross Sections
2. Soil Vapor and Air Results
3. Soil Results
4. Groundwater Results



HYDROGEOLOGIC CROSS SECTION A-A'

HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 30'

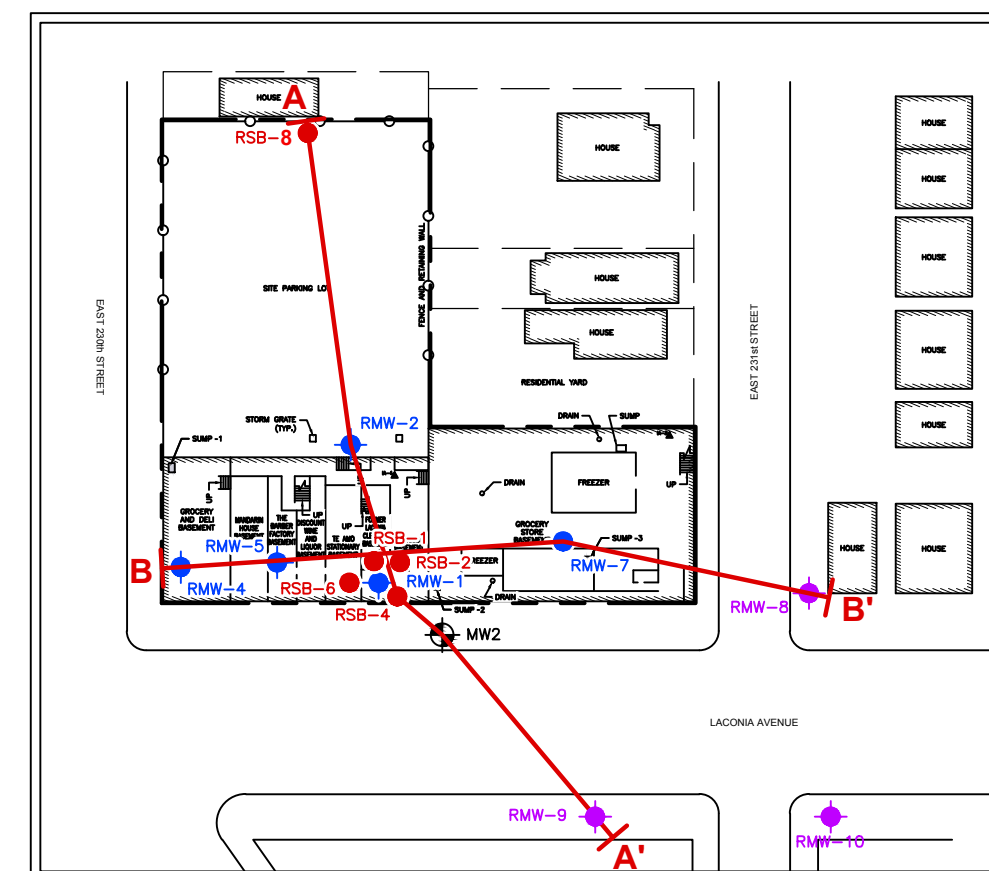
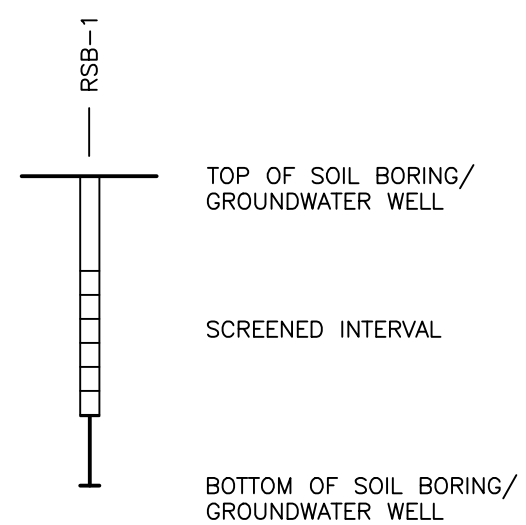


HYDROGEOLOGIC CROSS SECTION B-B'

HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 30'

LEGEND

- FILL MATERIAL CONSISTING OF VARYING AMOUNTS OF SAND, SILT GRAVEL, COBBLE, CONCRETE AND BRICK
- PRIMARILY SAND WITH VARYING AMOUNTS OF SILT, GRAVEL, CLAY AND COBBLE
- DECOMPOSED BEDROCK WITH VARYING AMOUNTS OF SAND, SILT AND GRAVEL
- BEDROCK (CAMBRIAN-ORDOVICIAN AGE HARTLAND SCHIST)
- SILT/CLAY
- POTENTIOMETRIC SURFACE OF BEDROCK GROUNDWATER, NOVEMBER 30, 2020
- GROUNDWATER LEVEL, NOVEMBER 30, 2020



SITE PLAN
SCALE: 1" = 80'

NOTE

1. NAVD88 - NORTH AMERICAN VERTICAL DATUM OF 1988.
2. GROUNDWATER ELEVATIONS MEASURED ON NOVEMBER 30, 2020.
3. DASHED LINES INDICATE APPROXIMATE LITHOLOGIC BOUNDARIES.

Title:

**GENERALIZED HYDROGEOLOGIC
CROSS SECTIONS A-A' AND B-B'**

4125-4149 LACONIA AVENUE
BRONX, NEW YORK

Prepared for:

LACONIA PROPERTIES LLC

ROUX

Compiled by: D.M.	Date: 07JAN21	PLATE
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: J.W.	Project: 3390.0001Y000	
File: 3390.0001Y117.02.DWG		

RA-3 (Basement Corridor)	10/8/2019	3/23/2020	3/23/2020 DU-P
COVOC (µg/m³)			
1,1,1-Trichloroethane	ND	0.485	0.482
1,2-Dichloroethane	ND	0.127	ND
Carbon Tetrachloride	0.665	0.5	0.437
Chloro-1,2-Dichloroethane	ND	0.181	0.164
Tetrachloroethane (PCE)	1.95	20.1	18.1
Trichloroethane (TCE)	ND	0.742	0.726
Petroleum-Related/Other VOCs (µg/m³)			
1,2,4-Trimethylbenzene	ND	2.48	2.21
1,3,5-Trimethylbenzene	ND	0.795	ND
1,3-Butadiene	ND	0.88	ND
1,4-Dichlorobenzene	ND	0.602	ND
2-Butanone (MEK)	ND	3.25	3.39
4-Ethylbenzene	ND	0.821	ND
Acetone	0.66	6.27	47
Benzene	ND	0.914	0.865
Carbon Disulfide	ND	0.111	ND
Chloroform	ND	1.86	1.85
Chloromethane	1.84	1.15	1.18
Cyclohexane	ND	0	1.12
Diethylbenzene	ND	0.82	0.87
Diisobutylbenzene	1.88	2.37	2.23
Ethanol	262	648	602
Ethylbenzene	ND	1.4	1.46
Heptane	1.48	3.8	4.18
Hexane	ND	0.364	0.36
Isopropyl	6.74	120	143
mp-Xylene	ND	0.21	0.47
N-Hexane	1.63	1.46	1.65
o-Xylene	ND	2.18	2.28
Styrene	ND	0.364	0.36
Tetrahydronaphthalene	ND	2.35	0.22
Toluene	2.85	10.8	11.5
Trichlorofluoromethane	ND	1.76	ND

RA-4 (Former Margery's - First Floor)	10/4/2018
COVOC (µg/m³)	
Carbon Tetrachloride	0.44
Chloro-1,2-Dichloroethane	0.42.2
1,3-Butadiene	18.1
Tetrachloroethane (PCE)	10.6
Trichloroethane (TCE)	1.41
Petroleum-Related/Other VOCs (µg/m³)	
1,2,4-Trimethylbenzene	0.88.2
1,3,5-Trimethylbenzene	3.29
2-Butanone (MEK)	21.4
4-Ethylbenzene	12.3
Acetone	47.3
Benzene	1.91
Carbon Disulfide	1.12
Chloroform	1.44
Chloromethane	1.12
Cyclohexane	1.44
Diethylbenzene	1.12
Diisobutylbenzene	0.92.2
Ethanol	1.87
Ethylbenzene	1.12
Heptane	1.12
Hexane	1.12
Isopropyl	1.12
mp-Xylene	1.12
N-Hexane	1.12
o-Xylene	1.12
Styrene	1.12
Tetrahydronaphthalene	1.12
Toluene	1.12
Trichlorofluoromethane	1.12

RA-1 (Parking Lot)	3/23/2020
COVOC (µg/m³)	
Carbon Tetrachloride	0.445
Chloro-1,2-Dichloroethane	0.111
Tetrachloroethane (PCE)	10.6
Trichloroethane (TCE)	0.912
Petroleum-Related/Other VOCs (µg/m³)	
1,2,4-Trimethylbenzene	1.43
1,3,5-Trimethylbenzene	3.73
2-Butanone (MEK)	21.4
4-Ethylbenzene	12.3
Acetone	47.3
Benzene	1.91
Carbon Disulfide	1.12
Chloroform	1.44
Chloromethane	1.12
Cyclohexane	1.44
Diethylbenzene	1.12
Diisobutylbenzene	0.92.2
Ethanol	1.87
Ethylbenzene	1.12
Heptane	1.12
Hexane	1.12
Isopropyl	1.12
mp-Xylene	1.12
N-Hexane	1.12
o-Xylene	1.12
Styrene	1.12
Tetrahydronaphthalene	1.12
Toluene	1.12
Trichlorofluoromethane	1.12

RA-2 (The Barber Shop)	3/23/2020
COVOC (µg/m³)	
Carbon Tetrachloride	0.445
Chloro-1,2-Dichloroethane	0.111
Tetrachloroethane (PCE)	10.6
Trichloroethane (TCE)	0.912
Petroleum-Related/Other VOCs (µg/m³)	
1,2,4-Trimethylbenzene	1.43
1,3,5-Trimethylbenzene	3.73
2-Butanone (MEK)	21.4
4-Ethylbenzene	12.3
Acetone	47.3
Benzene	1.91
Carbon Disulfide	1.12
Chloroform	1.44
Chloromethane	1.12
Cyclohexane	1.44
Diethylbenzene	1.12
Diisobutylbenzene	0.92.2
Ethanol	1.87
Ethylbenzene	1.12
Heptane	1.12
Hexane	1.12
Isopropyl	1.12
mp-Xylene	1.12
N-Hexane	1.12
o-Xylene	1.12
Styrene	1.12
Tetrahydronaphthalene	1.12
Toluene	1.12
Trichlorofluoromethane	1.12

RA-3 (Offsite Property)	3/23/2020
COVOC (µg/m³)	
Carbon Tetrachloride	0.445
Chloro-1,2-Dichloroethane	0.111
Tetrachloroethane (PCE)	10.6
Trichloroethane (TCE)	0.912
Petroleum-Related/Other VOCs (µg/m³)	
1,2,4-Trimethylbenzene	1.43
1,3,5-Trimethylbenzene	3.73
2-Butanone (MEK)	21.4
4-Ethylbenzene	12.3
Acetone	47.3
Benzene	1.91
Carbon Disulfide	1.12
Chloroform	1.44
Chloromethane	1.12
Cyclohexane	1.44
Diethylbenzene	1.12
Diisobutylbenzene	0.92.2
Ethanol	1.87
Ethylbenzene	1.12
Heptane	1.12
Hexane	1.12
Isopropyl	1.12
mp-Xylene	1.12
N-Hexane	1.12
o-Xylene	1.12
Styrene	1.12
Tetrahydronaphthalene	1.12
Toluene	1.12
Trichlorofluoromethane	1.12

RA-4 (Offsite Property)	3/23/2020
COVOC (µg/m³)	
Carbon Tetrachloride	0.445
Chloro-1,2-Dichloroethane	0.111
Tetrachloroethane (PCE)	10.6
Trichloroethane (TCE)	0.912
Petroleum-Related/Other VOCs (µg/m³)	
1,2,4-Trimethylbenzene	1.43
1,3,5-Trimethylbenzene	3.73
2-Butanone (MEK)	21.4
4-Ethylbenzene	12.3
Acetone	47.3
Benzene	1.91
Carbon Disulfide	1.12
Chloroform	1.44
Chloromethane	1.12
Cyclohexane	1.44
Diethylbenzene	1.12
Diisobutylbenzene	0.92.2
Ethanol	1.87
Ethylbenzene	1.12
Heptane	1.12
Hexane	1.12
Isopropyl	1.12
mp-Xylene	1.12
N-Hexane	1.12
o-Xylene	1.12
Styrene	1.12
Tetrahydronaphthalene	1.12
Toluene	1.12
Trichlorofluoromethane	1.12

RA-5 (Offsite Property)	3/23/2020
COVOC (µg/m³)	
Carbon Tetrachloride	0.445
Chloro-1,2-Dichloroethane	0.111
Tetrachloroethane (PCE)	10.6
Trichloroethane (TCE)	0.912
Petroleum-Related/Other VOCs (µg/m³)	
1,2,4-Trimethylbenzene	1.43
1,3,5-Trimethylbenzene	3.73
2-Butanone (MEK)	21.4
4-Ethylbenzene	12.3
Acetone	47.3
Benzene	1.91
Carbon Disulfide	1.12
Chloroform	1.44
Chloromethane	1.12
Cyclohexane	1.44
Diethylbenzene	1.12
Diisobutylbenzene	0.92.2
Ethanol	1.87
Ethylbenzene	1.12
Heptane	1.12
Hexane	1.12
Isopropyl	1.12
mp-Xylene	1.12
N-Hexane	1.12
o-Xylene	1.12
Styrene	1.12
Tetrahydronaphthalene	1.12
Toluene	1.12
Trichlorofluoromethane	1.12

RA-6 (Offsite Property)	3/23/2020
COVOC (µg/m³)	
Carbon Tetrachloride	0.445
Chloro-1,2-Dichloroethane	0.111
Tetrachloroethane (PCE)	10.6
Trichloroethane (TCE)	0.912
Petroleum-Related/Other VOCs (µg/m³)	
1,2,4-Trimethylbenzene	1.43
1,3,5-Trimethylbenzene	3.73
2-Butanone (MEK)	21.4
4-Ethylbenzene	12.3
Acetone	47.3
Benzene	1.91
Carbon Disulfide	1.12
Chloroform	1.44
Chloromethane	1.12
Cyclohexane	1.44
Diethylbenzene	1.12
Diisobutylbenzene	0.92.2
Ethanol	1.87
Ethylbenzene	1.12
Heptane	1.12
Hexane	1.12
Isopropyl	1.12
mp-Xylene	1.12
N-Hexane	1.12
o-Xylene	1.12
Styrene	1.12
Tetrahydronaphthalene	1.12
Toluene	1.12
Trichlorofluoromethane	1.12

RA-7 (Offsite Property)	3/23/2020
COVOC (µg/m³)	
Carbon Tetrachloride	0.445
Chloro-1,2-Dichloroethane	0.111
Tetrachloroethane (PCE)	10.6
Trichloroethane (TCE)	0.912
Petroleum-Related/Other VOCs (µg/m³)	
1,2,4-Trimethylbenzene	1.43
1,3,5-Trimethylbenzene	3.73
2-Butanone (MEK)	21.4
4-Ethylbenzene	12.3
Acetone	47.3
Benzene	1.91
Carbon Disulfide	1.12
Chloroform	1.44
Chloromethane	1.12
Cyclohexane	1.44
Diethylbenzene	1.12
Diisobutylbenzene	0.92.2
Ethanol	1.87
Ethylbenzene	1.12
Heptane	1.12
Hexane	1.12
Isopropyl	1.12
mp-Xylene	1.12
N-Hexane	1.12
o-Xylene	1.12
Styrene	1.12
Tetrahydronaphthalene	1.12
Toluene	1.12
Trichlorofluoromethane	1.12

RA-8 (Associated Grocery - First Floor)	10/4/2018
COVOC (µg/m³)	
Carbon Tetrachloride	0.44
Chloro-1,2-Dichloroethane	0.42.2
1,3-Butadiene	18.1
Tetrachloroethane (PCE)	10.6
Trichloroethane (TCE)	1.41
Petroleum-Related/Other VOCs (µg/m³)	
1,2,4-Trimethylbenzene	0.88.2
1,3,5-Trimethylbenzene	3.29
2-Butanone (MEK)	21.4
4-Ethylbenzene	12.3
Acetone	47.3
Benzene	1.91
Carbon Disulfide	1.12
Chloroform	1.44
Chloromethane	1.12
Cyclohexane	1.44
Diethylbenzene	1.12
Diisobutylbenzene	0.92.2
Ethanol	1.87
Ethylbenzene	1.12
Heptane	1.12
Hexane	1.12
Isopropyl	1.12
mp-Xylene	1.12
N-Hexane	1.12
o-Xylene	1.12
Styrene	1.12
Tetrahydronaphthalene	1.12
Toluene	1.12
Trichlorofluoromethane	1.12

RA-9 (Associated Grocery)	10/8/2019	3/23/2020
COVOC (µg/m³)		
Carbon Tetrachloride	0.445	0.445
Chloro-1,2-Dichloroethane	0.111	0.111
Tetrachloroethane (PCE)	10.6	10.6
Trichloroethane (TCE)	0.912	0.912
Petroleum-Related/Other VOCs (µg/m³)		
1,2,4-Trimethylbenzene	1.43	1.43
1,3,5-Trimethylbenzene	3.73	3.73
2-Butanone (MEK)	21.4	21.4
4-Ethylbenzene	12.3	12.3
Acetone	47.3	47.3
Benzene	1.91	1.91
Carbon Disulfide	1.12	1.12
Chloroform	1.44	1.44
Chloromethane	1.12	1.12
Cyclohexane	1.44	1.44
Diethylbenzene	1.12	1.12
Diisobutylbenzene	0.92.2	0.92.2
Ethanol	1.87	1.87
Ethylbenzene	1.12	1.12
Heptane	1.12	1.12
Hexane	1.12	1.12
Isopropyl	1.12	1.12
mp-Xylene	1.12	1.12
N-Hexane	1.12	1.12
o-Xylene	1.12	1.12
Styrene	1.12	1.12
Tetrahydronaphthalene	1.12	1.12
Toluene	1.12	1.12
Trichlorofluoromethane	1.12	1.12

RA-10 (Associated Grocery)	10/8/2019	3/23/2020
COVOC (µg/m³)		
Carbon Tetrachloride	0.445	0.445
Chloro-1,2-Dichloroethane	0.111	0.111
Tetrachloroethane (PCE)	10.6	10.6
Trichloroethane (TCE)	0.912	0.912
Petroleum-Related/Other VOCs (µg/m³)		
1,2,4-Trimethylbenzene	1.43	1.43
1,3,5-Trimethylbenzene	3.73	3.73
2-Butanone (MEK)	21.4	21.4
4-Ethylbenzene	12.3	12.3
Acetone	47.3	47.3
Benzene	1.91	1.91
Carbon Disulfide	1.12	1.12
Chloroform	1.44	1.44
Chloromethane	1.12	1.12
Cyclohexane	1.44	1.44
Diethylbenzene	1.12	1.12
Diisobutylbenzene	0.92.2	0.92.2
Ethanol	1.87	1.87
Ethylbenzene	1.12	1.12
Heptane	1.12	1.12
Hexane	1.12	1.12
Isopropyl	1.12	1.12
mp-Xylene	1.12	1.12
N-Hexane	1.12	1.12
o-Xylene	1.12	1.12
Styrene	1.12	1.12
Tetrahydronaphthalene	1.12	1.12
Toluene	1.12	1.12
Trichlorofluoromethane	1.12	1.12

RA-11 (Associated Grocery)	10/8/2019	3/23/2020
COVOC (µg/m³)		
Carbon Tetrachloride	0.445	0.445
Chloro-1,2-Dichloroethane	0.111	0.111
Tetrachloroethane (PCE)	10.6	10.6
Trichloroethane (TCE)	0.912	0.912
Petroleum-Related/Other VOCs (µg/m³)		
1,2,4-Trimethylbenzene	1.43	1.43
1,3,5-Trimethylbenzene	3.73	3.73
2-Butanone (MEK)	21.4	21.4
4-Ethylbenzene	12.3	12.3
Acetone	47.3	47.3
Benzene	1.91	1.91
Carbon Disulfide	1.12	1.12
Chloroform	1.44	1.44
Chloromethane	1.12	1.12
Cyclohexane	1.44	1.44
Diethylbenzene	1.12	1.12
Diisobutylbenzene	0.92.2	0.92.2
Ethanol	1.87	1.87
Ethylbenzene	1.12	1.12
Heptane	1.12	1.12
Hexane	1.12	1.12
Isopropyl	1.12	1.12
mp-Xylene	1.12	1.12
N-Hexane	1.12	1.12
o-Xylene	1.12	1.12
Styrene	1.12	1.12
Tetrahydronaphthalene	1.12	1.12
Toluene	1.12	1.12
Trichlorofluoromethane	1.12	1.12

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RMW-2	11/09/2020	11/09/2020	11/10/2020
Depth (ft bls)	0 - 2	0 - 2 FD	8 - 10
VOCs	ND	ND	ND
Metals			
Barium	NE	NE	420
Chromium, Total	31.5	31	82.2
Lead	NE	NE	NE
Nickel	NE	NE	55.9
Zinc	NE	NE	113
Pesticides and Herbicides			
P,P'-DDD	0.021	0.02	ND
P,P'-DDE	0.02	0.021	ND
P,P'-DDT	0.03	0.031	ND
PFAs	NE	NE	NE

RSB-8	11/09/2020	11/09/2020
Depth (ft bls)	0 - 2	3 - 5
VOCs	NE	NE
Metals		
Chromium, Total	43.5	37.2
Lead	98.7	68.6
Zinc	123	NE
Pesticides and Herbicides	ND	ND
PFAs	NE	NE

RMW-3	11/09/2020	11/10/2020
Depth (ft bls)	0 - 2	6 - 8
VOCs	ND	ND
Metals		
Lead	64.8	NE
Pesticides and Herbicides	ND	ND
PFAs	NE	NE

RSB-1	11/16/2020
Depth (ft bls)	1 - 3
VOCs	NE
Metals	
Lead	200
Zinc	120
Pesticides and Herbicides	
P,P'-DDD	0.011
P,P'-DDE	0.043
P,P'-DDT	0.026
PFAs	
Perfluorooctanesulfonic acid (PFOS)	1.28

RSB-7	11/09/2020	11/10/2020
Depth (ft bls)	0 - 2	11 - 13
VOCs		
Acetone	0.071	NE
Metals		
Barium	NE	383
Chromium, Total	35	59
Copper	NE	78.3
Lead	82.2	NE
Nickel	NE	38.1
Zinc	157	NE
Pesticides and Herbicides	ND	ND
PFAs	NE	NE

RMW-4	11/17/2020
Depth (ft bls)	1 - 3
VOCs	
1,2,4-Trimethylbenzene	16
Ethylbenzene	3.9
Xylenes	16
Metals	NE
Pesticides and Herbicides	ND
PFAs	ND

RMW-5	11/17/2020
Depth (ft bls)	1 - 3
VOCs	NE
Metals	
Chromium, Total	34.8
Pesticides and Herbicides	NE
PFAs	NE

RSB-6	11/16/2020
Depth (ft bls)	1 - 3
VOCs	NE
Metals	NE
Pesticides and Herbicides	
P,P'-DDD	0.014
P,P'-DDE	0.01
P,P'-DDT	0.013
PFAs	
Perfluorooctanesulfonic acid (PFOS)	0.98

RSB-5	11/16/2020
Depth (ft bls)	1 - 3
VOCs	NE
Metals	NE
Pesticides and Herbicides	
P,P'-DDD	0.0049 J
P,P'-DDE	0.01
P,P'-DDT	0.0041 J
PFAs	NE

RMW-1	11/16/2020
Depth (ft bls)	1 - 3
VOCs	
Tetrachloroethene (PCE)	880
Metals	NE
Pesticides and Herbicides	
P,P'-DDD	0.016
P,P'-DDE	0.0036 J
P,P'-DDT	0.013
PFAs	
Perfluorooctanesulfonic acid (PFOS)	1

RSB-4	11/16/2020
Depth (ft bls)	1 - 3
VOCs	NE
Metals	NE
Pesticides and Herbicides	
P,P'-DDD	0.0092
P,P'-DDE	0.024
P,P'-DDT	0.017
PFAs	
Perfluorooctanesulfonic acid (PFOS)	1.17

RSB-3	11/16/2020
Depth (ft bls)	1 - 3
VOCs	NE
Metals	
Chromium, Total	34.4
Pesticides and Herbicides	
P,P'-DDD	0.025
P,P'-DDE	0.011
P,P'-DDT	0.018
PFAs	NE

RSB-2	11/16/2020
Depth (ft bls)	1 - 3
VOCs	NE
Metals	NE
Pesticides and Herbicides	
P,P'-DDD	0.011
P,P'-DDE	0.0068 J
P,P'-DDT	0.006 J
PFAs	NE

RMW-6	11/17/2020
Depth (ft bls)	0 - 1
VOCs	
Trans-1,2-Dichloroethene	0.21
Metals	
Zinc	187
Pesticides and Herbicides	
P,P'-DDD	0.0049 J
P,P'-DDE	0.0081
P,P'-DDT	0.0047 J
PFAs	NE

---	PROPERTY BOUNDARY
RMW-1	LOCATION AND DESIGNATION OF SOIL BORING/MONITORING WELL
RMW-8	LOCATION AND DESIGNATION OF OFFSITE MONITORING WELL
RSB-1	LOCATION AND DESIGNATION OF SOIL BORING
SV-5	LOCATION OF SOIL VAPOR MONITORING POINT
AMB-050421	LOCATION OF AMBIENT AIR SAMPLE
SUMP-1	LOCATION AND DESIGNATION OF EXISTING SUMP
MW1	LOCATION AND DESIGNATION OF EXISTING MONITORING WELL INSTALLED BY MERRITT ENVIRONMENTAL IN 2019
IW4	APPROXIMATE LOCATION AND DESIGNATION OF EXISTING INJECTION AND/OR MONITORING WELL INSTALLED BY OTHERS
B1	APPROXIMATE LOCATION AND DESIGNATION OF SOIL BORING INSTALLED BY MERRITT ENVIRONMENTAL
IA-4	APPROXIMATE LOCATION AND DESIGNATION OF INDOOR AIR SAMPLE COLLECTED BY MERRITT ENVIRONMENTAL
IA1	APPROXIMATE LOCATION AND DESIGNATION OF INDOOR AIR AND SUB SLAB SOIL VAPOR SAMPLE LOCATION INSTALLED BY MERRITT ENVIRONMENTAL
RSS-1/RIA-1	APPROXIMATE LOCATION AND DESIGNATION OF SUB SLAB SOIL VAPOR AND INDOOR AIR SAMPLE COLLECTED BY ROUX
SV-1	APPROXIMATE LOCATION AND DESIGNATION OF SOIL VAPOR MONITORING POINT INSTALLED/SAMPLED BY ROUX
AA-1	APPROXIMATE LOCATION AND DESIGNATION OF OUTDOOR AMBIENT AIR SAMPLE COLLECTED BY ROUX
OA-1	APPROXIMATE LOCATION AND DESIGNATION OF OUTDOOR AMBIENT AIR SAMPLE COLLECTED BY MERRITT ENVIRONMENTAL
TP-1	APPROXIMATE LOCATION AND DESIGNATION OF EXPLORATORY TEST PIT (ONE FOOT LONG BY ONE FOOT WIDE) INSTALLED BY ROUX

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	NYSDEC Part 375 Commercial SCO
VOCs			
1,2,4-Trimethylbenzene	3.6	3.6	190
Acetone	0.05	0.05	500
Ethylbenzene	1	1	390
Tetrachloroethene (PCE)	1.3	1.3	150
Trans-1,2-Dichloroethene	0.19	0.19	500
Xylenes	0.26	1.6	500
Metals			
Barium	350	820	400
Chromium, Total	30	--	1500
Copper	50	1720	270
Lead	63	450	1000
Nickel	30	130	310
Zinc	109	2480	10000
Pesticides and Herbicides			
P,P'-DDD	0.0033	14	92
P,P'-DDE	0.0033	17	62
P,P'-DDT	0.0033	136	47
PFAs			
Perfluorooctanesulfonic acid (PFOS)	0.88	3.7	440
Perfluorooctanoic acid (PFOA)	0.66	1.1	500

CONCENTRATIONS IN mg/kg

mg/kg	— MICROGRAMS PER KILOGRAM
NYSDEC	— NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
—	— NO NYSDEC PART 375 SOIL CLEANUP OBJECTIVES AVAILABLE
J	— ESTIMATED VALUE
DUP	— DUPLICATE SAMPLE
VOCs	— VOLATILE ORGANIC COMPOUNDS
PFAs	— PER-AND POLYFLUOROALKYL SUBSTANCES
NE	— NO EXCEEDANCE
ND	— NO DETECTION
FT BLS	— FEET BELOW LAND SURFACE

Title:

SOIL RESULTS

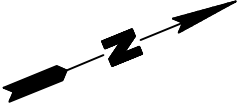
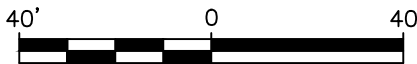
4125-4149 LACONIA AVENUE
BRONX, NEW YORK

Prepared for:

LACONIA PROPERTIES LLC



Compiled by: D.M.	Date: 07JAN21	PLATE 3
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: J.W.	Project: 3390.0001Y000	
File: 3390.0001Y117.02.DWG		



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