FORMER FO PIERCE COMPANY

2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK

TAX BLOCK 17, LOT 1

Remedial Investigation Report

NYSDEC BCP Number: C241251

Prepared for:

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Certifications

I, Craig A. Werle, P.G., 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 Technical Guidance for Site Investigation and Remediation (DER-10).

Craig A, Werle, P.G.	January 18, 2022	
Qualified Environmental Professional	Date	Signature

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Acronyms

µg/kg ..... Micrograms per Kilogram

µg/L ..... Micrograms per Liter

µg/m^3 ..... Micrograms per Cubic Meter

mg/kg..... Milligrams per Kilogram

4,4'-DDE..... 4,4'-Dichlorodiphenyldichloroethylene

4,4'-DDD..... 4,4-Dichlorodiphenyldichloroethane

4,4'-DDT 4,4-Dichlorodiphenyltrichloroethane

AOCs..... Areas of Concern

ASP ..... Analytical Services Protocol

AWQSGVs ..... Ambient Water Quality Standards and Guidance Values

BCA..... Brownfield Cleanup Agreement

BCP ..... Brownfield Cleanup Program

BEEI ..... Bureau of Environmental Exposure Investigation

bls..... Below Land Surface

BOA..... Brownfield Opportunity Areas

CAMP..... Community Air Monitoring Plan

CEH..... Center for Environmental Health

CFR..... Code of Federal Regulations

COC ..... Certificate of Completion

CP-51 ..... Commissioner Policy-51

CPP ..... Citizen Participation Plan

CQAP ..... Construction Quality Assurance Plan

CSM ..... Conceptual Site Model

CVOCs ..... Chlorinated Volatile Organic Compounds

DAR..... Division of Air Resources

DCE..... cis-1,2-dichloroethene

DEC ..... Department of Environmental Conservation

DER-10..... NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation

DO ..... Dissolved Oxygen

DUSR ..... Data Usability Summary Report

ECL ..... Environmental Conservation Law

EDD..... Electronic Data Deliverable

EJ ..... Environmental Justice

ELAP ..... Environmental Laboratory Approval Program

ESA ..... Environmental Site Assessment

FER ..... Final Engineering Report

Ft ..... Feet/Foot

HASP..... Health and Safety Plan

HAZWOPER ..... Hazardous Waste Operations and Emergency Response

MEK..... Methyl Ethyl Ketone; 2-butanone

MS/MSD ..... Matrix Spike/Matrix Spike Duplicate

MW ..... Monitoring Well

NG/L ..... Nanograms per Liter

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

OSHA ..... Occupational Safety and Health Administration

PAHs ..... Polycyclic Aromatic Hydrocarbons

PCBs ..... Polychlorinated Biphenyls

PCE ..... Tetrachloroethene (Perchloroethene)

PEJA ..... Potential Environmental Justice Area

PDF ..... Portable Document Format

PID ..... Photo Ionization Detector

PPE ..... Personal Protective Equipment

PVC ..... Polyvinyl Chloride

QAPP ..... Quality Assurance Project Plan

QA/QC ..... Quality Assurance/Quality Control

RAWP..... Remedial Action Work Plan

RI ..... Remedial Investigation

RIR ..... Remedial Investigation Report

SCG..... Standards, Criteria, and Guidance

SCOs..... Soil Cleanup Objectives

SEQRA..... State Environmental Quality Review Act

SSO ..... Site Safety Officer

SVOC ..... Semivolatile Organic Compounds

TAGM ..... Technical and Administrative Memorandum

TAL..... Target Analyte List

TCE ..... Trichloroethene

TCL..... Target Compound List

TCLP ..... Toxicity Characteristics Leaching Procedure

TOGS ..... Technical and Operational Guidance Series

USEPA ..... United States Environmental Protection Agency

USGS ..... United States Geological Survey

VOC..... Volatile Organic Compound

1. Introduction

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of 50th & 5th LIC LLC (the Volunteer), has prepared this Remedial Investigation Report (RIR) for the Former FO Pierce Company Project (Site; BCP Site #241251; Figure 1). The Site is located in the Long Island City section of Queens, occupying Tax Block 17, Lot 1, in the Borough of the Queens, City and State of New York (Figure 2), and is bounded by 49th Avenue to the north, Lot 19 and 50th Avenue to the south, 5th Street to the east and Lots 28 and 29, with Center Boulevard to the west. Lot 19, which is located in the same Block, is not part of the Site and is currently owned by the New York City Metropolitan Transit Authority (NYC MTA).

The Site is irregularly shaped and is comprised of a combined single- and two-story building and a parking lot. A portion of the west side of the Site is vacant and overgrown by vegetation. The total lot area is approximately 76,000 square feet (sq. ft.) with a lot frontage of 400 ft and depth of 200 ft. According to city records, the original building was built in 1931 and altered in 1987. Historically, the Site was developed and used for varnish and paint manufacturing from the late 1800s to the early 1980s. The Site was completely renovated in 1984 and, since then, was used as a warehouse for art storage. Currently, the building is vacant.

50th & 5th LIC LLC intends to remediate and redevelop the Site as a mixed-use (commercial/residential), mixed-income (affordable rental housing/market-rate rental housing) project.

A Subway Easement for the New York City Transit (NYCT) Subway 7 Line (Route No. 26) runs beneath the Site's southern portion at a depth that decreases as the Tunnel transverses diagonally from west to southeast beneath the Site.

Due to the presence of contaminated soil, groundwater, and soil vapor at the Site, the Volunteer plans to remediate the Site under the NYSDEC BCP. The Volunteer submitted the Remedial Investigation Work Plan (RIWP) on February 3, 2021, when the Volunteer submitted the Revised NYSDEC BCP application. The RIWP was revised and resubmitted on June 11, 2021. The Brownfield Cleanup Agreement (BCA) was executed on June 4, 2021 and a BCP Site number C241251 was assigned. Application of Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs) as defined in 6 New York Codes, Rules, and Regulations (6NYCRR) Part 375-6-8(b) Environmental Remediation Programs are proposed for the Site.

The RIR summarizes the Scope of Work (SOW) and data collected during the previous investigations (see Section 2.2) and the most recent July/August 2021 Remedial Investigation (RI) in accordance with the NYSDEC-approved RIWP dated June 2021.

The purpose of the RI is to determine the nature and extent of contamination at the Site, characterize environmental media, 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).

All work summarized in the RIR section of this document was completed in accordance with the NYSDEC-approved Remedial Investigation Work Plan (RIWP) for the Site, the NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (NYSDEC, May 2010), and/or the New York State Department of Health's (NYSDOH's) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 and Revised 2017 (NYSDOH Guidance).

1.1 RIR Organization

This RIR contains the following sections:

- Section 2 Describes the Site, its history, and results of previous environmental investigations;
- Section 3 Describes the completed RI field work activities;
- Section 4 Summarizes the RI laboratory analytical results;
- Section 5 Provides a Conceptual Site Model (CSM) explaining the occurrence of contaminant sources and their fate and transport at the Site in the context of the local Site stratigraphy and hydrogeology;
- Section 6 Provides a qualitative exposure assessment that evaluates exposures to contaminated media including soil, groundwater, and soil vapor;
- Section 7 Summarizes the conclusions and recommendations; and
- Section 8 Summarizes the schedule for the implementation of project elements described in this RIR.

Tables, figures, plates, and appendices are provided, which summarize all RI investigation locations, analytical data, and results of sampling efforts.

1.2 Site Location and Description

The Site address is 2-33 50th Avenue in the Borough of Queens, City and State of New York (Figure 1). A tax map is presented as Figure 2.

Additional information regarding the Site is provided in the tables below:

Property Location	
Site Name:	Former FO Pierce Company
Property Address:	2-33 50th Avenue
Property Town, County, State:	Neighborhood of Long Island City, Queens, New York
Property Tax Identification:	Tax Block 17, Lot 1
Property Topographic Quadrangle:	USGS – Brooklyn, NY & Central Park, NY
Nearest Intersection:	The Site is bounded by 49th Avenue, 50th Avenue, 5th Street and Center Boulevard
Area Description:	The Site was used until recently as an art storage warehouse. The building now is vacant. The Site is located in a mixed-use area of Long Island City, Queens, New York. To the north, there is a school, a parking facility and several residential and commercial buildings; to the south, beyond Lot 19 (NYC MTA fan ventilation plant), there are several residential, mixed use and commercial buildings, as well as UA Local 1 (labor union) building; to the west, beyond Lots 28 and 29 (residential, commercial), is the Gantry Plaza State Park; to the east, there are several residential, mixed use, commercial properties, including an auto repair shop

Property Information	
Property Acreage:	Approximately 1.74 acres
Property Shape:	Irregular
Property Use:	Tax Lot 1 contains a vacant combined single- and two-story building, a parking lot and a vacant area overgrown by vegetation
Improvements:	The original building was built in 1931 and altered in 1987. No additional improvements were made.

1.3 Contemplated Redevelopment Plan

The planned redevelopment of the Site includes abatement and demolition of the existing building and construction of two connected mixed-use (residential and commercial), mixed-income buildings with a partial cellar with a combined building footprint of approximately 76,000 square feet. Thirty (30%) of the residential apartments will be affordable housing.

The redevelopment plans are included in Appendix A.

1.4 Description of Surrounding Property

The Site is bounded by 50th Avenue to the south, 49th Avenue to the north, 5th Street to the east and residential and commercial properties to the west. The Site occupies Tax Lot 1 of Tax Block 17 and encompasses approximately 1.74 acres. Lot 19, which is located in the same Block, is not part of the Site and is owned by the New York City Transit Authority (NYC MTA) and is currently being used as a fan ventilation plant.

A Subway Easement for the NYCT Subway 7 Line (Route No. 26) runs beneath the Site's southern portion at a depth that decreases as the Tunnel transverses diagonally from west to southeast beneath the Site.

The area surrounding the Site consists of residential and commercial properties, as described below:

Surrounding Property Uses	
North	49th Avenue, beyond which is several residential and commercial use properties, a school, and a parking facility.
South	Lot 19, which is a NYC MTA fan ventilation plant, and 50th Avenue, beyond which is several residential, mixed-use and commercial use properties, as well as a UA Local 1 (labor union) building.
West	Lots 28 and 29 (residential, commercial) and Center Boulevard, beyond which is the Gantry Plaza State Park.
East	5th Street, beyond which is several residential, mixed-use, commercial properties, including an auto repair shop.

A review of neighboring properties, public thoroughfares, and research of available information regarding the neighboring properties, was performed to identify areas of offsite environmental concern that could potentially adversely impact the Site. As detailed in the environmental database report, nearby off-Site properties included various residential, commercial, and industrial properties. Based upon the review of the Sanborn maps, Aerial Photographs and City Directory, no Recognized Environmental Conditions (RECs) were identified.

Figures presenting the land use and surrounding property owners are provided as Figure 3.

2. Background

The following sections provide pertinent background information, including the documented history of the Site, and the results of previous environmental investigation work conducted at the Site. The following environmental reports were available for review:

- Phase II Environmental Site Assessment- Subsurface Sampling Investigation, prepared by Impact Environmental Consulting, Inc., dated May 28, 1997.
- Corrective Action Plan- Phase III Environmental Site Assessment, prepared by Impact Environmental Consulting, Inc., dated August 14, 1997.
- Phase I Environmental Site Assessment, prepared by EMG, dated June 15, 1999.
- Phase I Environmental Site Assessment, prepared by EBI Consultants, dated May 22, 2002.
- Phase I Environmental Site Assessment, prepared by Roux Environmental Engineering and Geology D.P.C, dated April 15, 2019.
- Phase II Investigation Results, prepared by Roux Environmental Engineering and Geology D.P.C, dated August 17, 2020.

All historic reports discussed below are provided as Appendix B to the RIR.

2.1 Historic Land Uses

Roux evaluated several information sources to determine historic uses of the property. The historical uses of the Site and surrounding properties were researched by reviewing the Environmental Data Resources (EDR) Report for the Site, providing publicly available Site-specific documentation, including maps, directories, and federal, state, and local environmental regulatory agency databases, etc. (EDR, 2018). The following EDR resources were reviewed as part of the RIR: EDR Radius Map (Appendix C); historical aerial photographs (Appendix D); the City Directory Abstract (Appendix E); and the Certified Sanborn Map Report (Appendix F).

2.1.1 Radius Map

The Site was only identified in the following environmental databases:

- RCRA NONGEN/ NLR - this database is from the United States Environmental Protection Agency (USEPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments of 1984. This database includes sites which generate, transport, store, treat, and/or dispose of hazardous waste. Non-Generators do not presently generate hazardous waste. F.O. Pierce Company is listed in this database and the facility received one written informal violation in 1984 but compliance was achieved in 1985.
- FINDS - the Facility Index System contains both facility information and pointers to other sources. The facility is listed under registry ID #110004334989 and contains no additional substantive information.
- ECHO - Enforcement and Compliance History Information database. The facility is listed under Envid #1000140634.

- NY MANIFEST - Facility and Manifest database which lists and tracks hazardous waste from the generator through transporters to a facility. In 1983, some wastes were generated and transported from the facility.

In addition, under the address 49-20 5th Street, the Site was also listed under the Spills database (9704425) dated July 14, 1997. The information states that soil contamination was removed, and a monitoring well was installed. Results from the water sample showed limited contamination. Soil testing at the abandoned buildings and soil boring results indicated petroleum contamination. According to the NYSDEC Spill database, this spill was closed on August 13, 1997.

For the purposes of this assessment, groundwater has been assumed to flow west towards the East River. Facilities located downgradient or cross gradient to the Site—but not immediately adjacent to the Site—are generally not discussed in this report because these facilities are considered to pose a low potential environmental concern to the Site. Several properties in the surrounding area were identified on the NY Spills, E-Designation, LTANKS, UST, AST, Manifest databases in the EDR report. Some of these listings pertain to utility vaults in the street or on the sidewalk adjacent to the Site. However, due to the containment within the vault or de minimis nature of the spill incidents prohibiting groundwater contamination, these properties are not considered to be an environmental concern in relation to the Site.

The following Historical REC (HREC) was identified in connection with the Site:

- Based on the 1996 and 1997 Phase II reports (described in Section 2.4), a heating oil tank release resulted in the issuance of Spill number (9704425) on July 15, 1997. A Corrective Action Plan (CAP) was implemented in August 1997, which included the excavation of impacted soil, the removal of the underground storage tank (UST), and the collection of endpoint soil and groundwater samples. Based on the results of the CAP, the spill was closed by NYSDEC on August 13, 1997 and no further remediation was required. No groundwater impacts were documented in groundwater sampling results.

2.1.2 Aerial Photographs

Historical aerial photography may indicate past activities at a property that might not have been documented by other means or observed during a reconnaissance visit. Aerial photographs for the years ranging from 1924 to 2017 are presented in Appendix D.

Based on review of historical aerial photographs, the Site appears partially developed with multiple structures since at least 1924. The building structures on the eastern side appear consistent with the current Site configuration since 1980 and the general Site layout appears consistent with the current Site configuration since 2006, where the buildings on the western side are no longer depicted and the area is vacant and overgrown by vegetation as observed during the Site reconnaissance. The Site configuration corroborates the development as shown in the Certified Sanborn Fire Insurance maps. According to the 2002 Phase I ESA, the seven (7) building structures on the eastern side were gut renovated and combined in 1984 for use as a warehouse.

Multiple above ground storage tanks are depicted in the aerial maps from 1951 through 1966 (the 1976 map is illegible).

The general timeline for development of the area surrounding the Site is similar to the Certified Sanborn Fire maps. To the north and west of the Site, the railroad tracks are depicted (1924-1976 maps). Surrounding the Site, the area is developed with multiple structures.

2.1.3 City Directories

A City Directory Abstract of the Site was obtained from EDR and is presented in Appendix E. Records reviewed for the time period 1922 to 2014 were sourced from:

- EDR Digital Archive;
- Hill-Donnelly Corporation;
- Cole Information Services;
- NYNEX Information Resources Company;
- New York Telephone;
- R.L. Polk & Co.; and
- H.C. Morris.

Noted operators/tenants of the Site include: F.O. Pierce Co. paint and varnish, Hillman H. R. and Dessiedess Paint Co. between 1950 and 1983 under the address 2-33 5th Ave. Under the address 49-20 5th St, between 1945 and 2005, the operators/tenants include: Lexington Paint & Varnish Works, Eagle Paint & Varnish Corp., Judson Art Warehouse, Fortress Fae Worldwide/Fortress New York Holdings.

The City Directory Abstract also includes listings for the surrounding properties. Nearby off-Site properties included various residential, commercial and industrial properties: indoor tennis facility, plumbing supply, lumber supply, state park, restaurants/food service establishments, various associations, churches, Public School 110, police department, fine arts services and transport, medical and other commercial offices, parking garage, sheet metal works company, paint/varnish/chemical companies, woodworking, bronze and aluminum foundry, welding, local union, auto repair shop, printing company, laboratories, trucking companies, carpet cleaners, laundromat, construction companies, among others.

2.1.4 Certified Sanborn Maps/Fire Insurance Maps

Roux reviewed historical Certified Sanborn Fire Insurance maps for the Site (Appendix F). The Table below is a summary of the Site and surrounding area from 1898 to 2006, as determined from the Certified Sanborn Fire Insurance maps.

Certified Sanborn Fire Insurance Maps	
Date	**Description**
1898	**Site**: The Site is developed with multiple structures as part of Keystone Varnish Co., Edward C. Smith &Co. Varnish Works, Pratt & Lambert Varnish Wks, Emil Calman & Co. Varnish Wks. **Surrounding Area**: To the north, multiple structures are depicted including Chase Roberts & Co. Varnish Wks, portion of the LIRR Freight Yard tracks, Barber Asphalt Paving Company and a pharmaceutical company. To the east, multiple dwellings/structures are depicted, some are vacant. To the south, multiple vacant lots are depicted as well as a LI News Depot, LI Express Co. Wagon Shop. To the west, a structure labeled LIRR Express as well as their tracks are depicted. Some vacant lots are also depicted.
1915	**Site**: The Site is developed with fewer structures than the previous map and labeled NY & LIRR for Belmont Tunnel. Some structures depicted are storage, others are vacant. **Surrounding Area**: To the north, multiple structures are depicted including the LI Sanitation Supply Co. Disinfectants, Chase Roberts & Co. Varnish Works, portion of the LIRR Freight Yard tracks. To the east, multiple dwellings/structures are depicted, some are vacant. To the south, multiple dwellings/structures are depicted, including one structure labeled PNY & LIRR Power

Certified Sanborn Fire Insurance Maps	
Date	**Description**
	House and a vacant lot. To the west, a structure labeled Adams Express Cos. Stables is depicted as well as the LIRR Freight Yard tracks.
1922	**Site**: The map is unclear, but it appears the Site is partially developed with some structures on the northeast portion. On the west portion of the Site a structure labeled NY LIRR is depicted. A small structure on the south portion of the Site is depicted. The remainder of the Site appears vacant. **Surrounding Area**: To the north, some structures are depicted but the labels are illegible. Portion of the LIRR Freight Yard tracks is also depicted. To the east, the area appears to be vacant. To the south, a structure is shown in Lot 19, the remainder of the surrounding area appears to be vacant. To the west, a structure labeled American Express Co. is depicted. Further west the LIRR Freight Yard tracks are depicted.
1928	**Site**: The majority of the Site appears vacant with exception of the west portion, where a structure labeled NY LIRR is depicted, similar to the 1922 map. **Surrounding Area**: To the north, the LIRR Freight Yard tracks are depicted. Further north, some structures labeled General Carbonic Co., Fire Proof Door Co., Edw. Smith & Co., Varnish Works are depicted. To the east, the area appears to be vacant. To the south, the structure in Lot 19 is no longer depicted, the remainder of the surrounding area include structures labeled Penna NY & LI Power Ho. (southwest) and The Arthur Johnson Corp. (southeast). To the west, similarly to the 1922 map, a structure labeled American Express Co. is depicted and further west the LIRR Freight Yard tracks are depicted.
1936	**Site**: The Site is developed with multiple structures, including a manufacturing facility of ornamental iron, the Crown Oil Products Corporation (vegetable oil refining), a paint manufacturing facility among others. **Surrounding Area**: To the north, the LIRR Freight Yard tracks and Chase Varnish Co. Inc. are depicted. Further north, structures labeled General Carbonic Co., Harlem Chemical Co., Stanley Barrel Corp. Cooperate, Crest Mfg. Co. Plumbers Supply., Edw. Smith & Co., Varnish Works are depicted, among others. To the east, multiple structures are depicted including a rug cleaning facility, trucking facility and multiple dwellings. To the south, a structure in Lot 19 is depicted and labeled NY & LIRR for Belmont Tunnel, the remainder of the surrounding area include structures, one of them labeled PNY & LI Power House. To the west, a structure labeled Hardwood Sawdust Supply Co. Inc.is depicted. Further west, the LIRR Freight Yard tracks are depicted.
1947	**Site**: The Site is developed with multiple structures, including some labeled F.O. Pierce Co., various paint manufacturing structures and the Crown Oil Products Corporation (vegetable oil refining). Various aboveground storage tanks are depicted on the north side of the Site as part of the Crown Oil Products Corporation. **Surrounding Area**: To the north, the LIRR Freight Yard tracks are depicted. Further north, some structures labeled General Carbonic Co., Crest Mfg. Co. Plumbers Supply are depicted, among others. To the east, multiple structures are depicted including plumbing supplies facility and multiple dwellings. To the south, a structure in Lot 19 is depicted, the remainder of the surrounding area include structures labeled Consolidated Edison Co. of NY. To the west, a structure labeled Hardwood Sawdust Supply Co. Inc.is depicted. Further west the LIRR Freight Yard tracks are depicted.
1950	**Site**: The Site is developed and similar to the 1947 map. **Surrounding Area**: The surrounding area is developed and similar to the 1947 map.
1970	**Site**: The Site is developed with multiple structures with some configuration changes. The aboveground storage tanks are no longer depicted. **Surrounding Area**: To the north, one structure labeled Off & Beer Warehouse is depicted as well as the LIRR Freight Yard tracks. Further north, multiple structures are depicted including one labeled Adam Metal Supply, paint manufacturing and woodworking. To the east, multiple structures are depicted including a contractor's storage, Sheet Metal Works, parking, apartments and multiple dwellings. To the south, a structure in Lot 19 is depicted, the remainder of the surrounding area include structures, one labeled Sivarz Chemical Co. Inc. The adjacent buildings are unlabeled and a manufacturing building. To the west, a structure labeled Building Material and Equipment Mfg. is depicted. Further west, the LIRR Freight Yard tracks are depicted.

Certified Sanborn Fire Insurance Maps	
Date	**Description**
1977	**Site**: The Site is developed and is similar to the 1970 map. **Surrounding Area**: To the north, the structures depicted are similar to the 1970 map. Further north, multiple structures are depicted including one labeled Charles Offset Co. Inc., some vacant lots, some lofts, a woodworking facility and a staple manufacturing facility. To the east, the structures depicted are similar to the 1970 map with exception of the contractor's storage structure that is replaced by an auto body repair shop. To the south, the structures depicted are similar to the 1970 map. To the west, two structures are depicted. Further west, the LIRR Freight Yard tracks are depicted.
1979	**Site**: The Site is developed and is similar to the 1977 map. **Surrounding Area**: The surrounding area is similar to the 1977 map.
1980	**Site**: The Site is developed and is similar to the 1979 map. **Surrounding Area**: The surrounding area is similar to the 1979 map.
1985	**Site**: The Site is developed and is similar to the 1980 map. **Surrounding Area**: The surrounding area is similar to the 1980 map.
1986	**Site**: The Site is developed and is similar to the 1985 map. **Surrounding Area**: The surrounding area is similar to the 1985 map.
1988	**Site**: The Site is developed and is similar to the 1986 map with exception of a few small structures located in the central portion of the Site that are no longer depicted. **Surrounding Area**: The surrounding area is similar to the 1986 map, with exception of the structure in the south which is now labeled LIC Indoor Tennis & Schwartz Chemical Co., Inc. The two adjacent structures are a machine storage and a manufacturing building.
1989	**Site**: The Site is developed and is similar to the 1988 map with exception of the label F.O. Pierce Co., which is no longer depicted. **Surrounding Area**: The surrounding area is similar to the 1988 map. The structured labeled auto repair shop on the east side is now labeled warehouse.
1990	**Site**: The Site is developed and is similar to the 1989 map. Some structures labeled as warehouses are depicted. **Surrounding Area**: The surrounding area is similar to the 1989 map.
1991	**Site**: The Site is developed and is similar to the 1990 map. **Surrounding Area**: The surrounding area is similar to the 1990 map. On the south side, the structure formerly labeled LIC Indoor tennis & Schwartz Chemical Co., is now labeled Loft.
1992	**Site**: The Site is developed and is similar to the 1991 map. **Surrounding Area**: The surrounding area is similar to the 1991 map.
1993	**Site**: The Site is developed and is similar to the 1992 map. **Surrounding Area**: The surrounding area is similar to the 1992 map.
1994	**Site**: The Site is developed and is similar to the 1993 map. **Surrounding Area**: The surrounding area is similar to the 1993 map.
1995	**Site**: The Site is developed and is similar to the 1994 map. **Surrounding Area**: The surrounding area is similar to the 1994 map with exception of the LIRR Freight Yard tracks (north and west) which are no longer depicted. This area appears to be vacant.
1996	**Site**: The Site is developed and is similar to the 1995 map. **Surrounding Area**: The surrounding area is similar to the 1995 map with exception of the Off & Beer Warehouse structure which is no longer depicted. In addition, a dock and a structure labeled Elevated Control HO's are depicted near the East River.
1999	**Site**: The Site is developed and is similar to the 1996 map. **Surrounding Area**: To the north, an apartment building and an open deck parking structure are

Certified Sanborn Fire Insurance Maps	
Date	**Description**
	depicted. To the east, the surrounding area is similar to the 1996 map. To the south, the Loft structure is labeled Loft-Tennis Ct. The remaining area is similar to the 1996 map. To the west, the surrounding area is similar to the 1999 map.
2001	**Site**: The Site is developed and is similar to the 1999 map. **Surrounding Area**: To the north, the surrounding area is similar to the 1999 map. Further north, the area appears to be vacant. To the east, the surrounding area is similar to the 1999 map. To the south, the surrounding area is similar to the 1999 map. To the west, additional structures are depicted including an apartment building and a parking structure with residential above.
2002	**Site**: The Site is developed and is similar to the 2001 map. **Surrounding Area**: The surrounding area is similar to the 2001 map.
2003	**Site**: The Site is developed and is similar to the 2002 map. **Surrounding Area**: The surrounding area is similar to the 2002 map.
2004	**Site**: The Site is developed and is similar to the 2003 map with exception of the structures on the west portion of the Site previously labeled Crown Oil Products Corp. are no longer depicted. **Surrounding Area**: The surrounding area is similar to the 2003 map, with exception of the structures on the west side. The apartment building is no longer depicted and some mixed use (commercial structures with residential above) are depicted.
2005	**Site**: The Site is developed and is similar to the 2004 map with exception of one of the existing structures is labeled Print Manufacturing (was formerly labeled Paint Manufacturing). **Surrounding Area**: The surrounding area is similar to the 2004 map.
2006	**Site**: The Site is developed and is similar to the 2005 map. **Surrounding Area**: The surrounding area is similar to the 2005 map with a few exceptions: an apartment building is depicted to the east and was formerly a parking structure as seen on the 2005 map. Additional apartment building is depicted to the west and was formerly a vacant lot as seen on the 2005 map.

2.2 Historic Environmental Reports

This section provides an overview of previous environmental-related activities completed at the Site, based on a review of readily available information and the following environmental reports (included in Appendix B). The following environmental reports were available for review:

- Phase II Environmental Site Assessment- Subsurface Sampling Investigation, prepared by Impact Environmental Consulting, Inc., dated May 28, 1997.
- Corrective Action Plan- Phase III Environmental Site Assessment, prepared by Impact Environmental Consulting, Inc., dated August 14, 1997.
- Phase I Environmental Site Assessment, prepared by EMG, dated June 15, 1999.
- Phase I Environmental Site Assessment, prepared by EBI Consultants, dated May 22, 2002.
- Phase I Environmental Site Assessment, prepared by Roux Environmental Engineering and Geology D.P.C, dated April 15, 2019.
- Phase II Investigation Results, prepared by Roux Environmental Engineering and Geology D.P.C, dated August 17, 2020.

A summary of the findings is provided below:

The Phase I ESAs (1999 and 2002) both identified the following HREC at the Site:

- Historically the Site was developed and used for varnish and paint manufacturing from the late 1800s to the early 1980s. These former operations of the Site were considered a REC. The Site was completely renovated in 1984 for use as a warehouse.

The limited Phase II ESAs (1996 and 1997) were conducted to:

- Determine whether the former storage and handling of paint and varnish had impacted the Site;
- Delineate the extent of contamination originating from an apparent release of heating oil from former underground storage tanks; and
- Investigate an underground vessel used to store paint waste that was located in the interior of one of the buildings.

The limited Phase II reports concluded: (1) the subsurface had not been impacted by the storage and handling of paint and varnish; (2) a fuel oil release underneath the westernmost building was found and reported to NYSDEC (A spill release was reported to the NYSDEC on July 15, 1997 and a spill number (9704425) was issued); and (3) an underground storage vessel used to store paint waste was determined to have been secure with no reported releases.

Impact Environmental Consulting, Inc. (Impact) prepared a 1997 CAP in coordination with NYSDEC that was implemented in 1997 and included the removal of all contaminated soil impacted by the fuel oil release as well as the removal of the paint waste storage vessel within the western building. Based on the remedial excavation and collection of endpoint samples around the UST tank grave and groundwater sample results, Spill number 9704425 was closed by NYSDEC on August 13, 1997. NYSDEC concluded no further remedial work was required.

Based on the documented investigation and remediation, Impact concluded that past operations do not represent a REC.

Phase I Environmental Site Assessment, prepared by Roux Environmental Engineering and Geology D.P.C, dated April 15, 2019.

A review of historical sources including Certified Sanborn Fire Insurance maps, historical aerial photographs, New York City Department of Buildings (NYCDOB) Certificates of Occupancies (C/Os) and a City Directory Abstract indicate the Site was partially developed since at least 1898.

Based on the information gathered as a result of the Phase I ESA process, Roux identified no RECs in connection with the Site.

The following HREC was identified in connection with the Site:

- Based on the 1996 and 1997 Phase II reports (described in Section 2.4), a heating oil tank release resulted in the issuance of Spill number (9704425) on July 15, 1997. A CAP was implemented in August 1997, which included the excavation of impacted soil, the removal of the underground storage tank (UST), and the collection of endpoint soil and groundwater samples. Based on the results of the CAP, the spill was closed by NYSDEC on August 13, 1997 and no further remediation was required. No groundwater impacts were documented in groundwater sampling results. Based on the information collected in this Phase I report, no additional environmental investigation is necessary.

Phase II Investigation Results, prepared by Roux Environmental Engineering and Geology D.P.C, dated August 17, 2020.

The Phase II Investigation was conducted between July 20 and 23, 2020. Roux installed ten soil borings (RXSB-1 through RXSB-10), seven of which were converted into temporary monitoring wells (GW-1 through GW-7), and eight temporary soil vapor points (SV-1 through SV-8) throughout the Site.

2.2.1 Geophysical Survey

A geophysical survey was not conducted by Roux, however, during Roux's 2020 Phase II Investigation, some subsurface utility markings were visible on the ground. Geophysical survey reports were not provided for review.

2.2.2 Soil

The Roux Phase II Investigation was conducted between July 20 and 23, 2020. Roux installed ten soil borings (RXSB-1 through RXSB-10), seven of which were converted into temporary monitoring wells (GW-1 through GW-7), and eight temporary soil vapor points (SV-1 through SV-8) throughout the Site.

Subsurface exploration activities included interior areas within the art storage warehouse and surrounding exterior paved/unpaved areas. A 420M Geoprobe advanced a small 2-inch diameter core barrel which was pushed hydraulically. During the soil sampling, plastic macro-core barrels were opened, examined, and soil was collected from the cores into laboratory-supplied sampling jars. Exterior soil borings were first precleared to five feet below grade using manually operated hand tools followed by drill tooling advanced using the track-mounted 7820DT Geoprobe. No utilities were encountered during interior or exterior subsurface exploration activities. All drilling was continuous, and the soil samples were screened during borehole advancement for organic vapors with a photo-ionization detector (PID) and evaluated for visual and olfactory impacts prior to selecting and jarring samples. PID readings ranged from 0 to 2,216 parts per million (ppm).

Fill consisting of brick, concrete and asphalt and other miscellaneous materials was found in the upper 7 to 10 ft in all borings across the Site. Natural deposits underlying the fill consisted predominantly of fine to medium sand and silt with intermittent peat deposits.

Adjacent borings in the north-central part of the Site, RXSB-3 and RXSB-7, both encountered impacted soils from 5 to 15 ft bgs. Impacts included odor, staining and elevated PID readings (2,216 ppm at 10 ft in RXSB-3 and 1,921 ppm at 10 ft in RXSB-7). Soil quality in this part of the Site has previously been reported by other investigators. The impacts may be related to two former fuel oil underground storage tanks or it could be related to historic paint and varnish manufacturing and storage operations. Sanborn maps show this area to be the location of the former varnish kettles building.

Soil concentrations were compared to the NYSDEC Part 375-6.8(a) Unrestricted Used Soil Cleanup Objectives (UUSCOs) and Part 375-6.8(b) Restricted Soil Cleanup Objectives (Restricted Residential and Commercial SCOs). Plate 1 shows the location of all SCO exceedances in soil.

The soil sample results generally indicate that the fill found in the upper 2 ft to 4 ft across the Site contains SVOCs, metals and pesticides which are characteristic of urban fill. These contaminants were detected above Unrestricted Use SCOs and in some cases above Restricted Residential and Commercial SCOs.

Impacts in fill below 2 ft were limited with the exception of the 4 ft-8 ft sample from RXSB-1 and 8 ft-10 ft in RXSB-10. The RXSB-1 sample contained commercial SCO exceedances of arsenic and lead. The RXSB-10 sample contained Restricted Residential SCO exceedances of various SVOCs and mercury and Commercial SCO exceedances of benzo(a)pyrene.

Soil samples from the impacted area around RXSB-3 and RXSB-7 did not contain any SCO exceedances despite the elevated PID readings, staining and odors. This most likely reflects the age of the prior spills and the natural bioattenuation and volatilization of the released hydrocarbons.

2.2.3 Groundwater

Seven 1-inch diameter temporary groundwater wells were installed. Representative groundwater samples were collected using low-flow sampling techniques. A groundwater sample was collected from each well with a peristaltic pump and dedicated tubing. Groundwater wells were gauged with a water level meter to record a depth to groundwater reading (1/100 foot). Groundwater samples were also analyzed for the same parameters as the soil samples. Groundwater analytical results were compared to the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs).

Groundwater beneath the Site is generally unimpacted with the exception of the area around GW-3 and GW-7. No measurable light non-aqueous phase liquid (LNAPL) was present during sampling of these wells; however, odor and sheen were observed. Groundwater from these wells had VOC and SVOC exceedances that appear to reflect the prior documented hydrocarbon spills and impacted soils.

Manganese exceedances were also found in every groundwater sample both filtered and unfiltered. Manganese can be a naturally occurring element in New York soil and groundwater; however, it is rarely encountered this consistently at such elevated concentrations. Research indicates that manganese is frequently added to paints and varnish to facilitate drying. The preliminary conclusion is that the widespread elevated occurrence of manganese is evidence of impacts associated with historic onsite manufacturing operations.

The only other impacts were found in GW-5 which had exceedances of benzene and acenaphthene. This well is on the upgradient side of the Site and the detections may reflect an offsite source.

2.2.4 Soil Vapor

Eight soil vapor samples were collected in accordance with the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH October 2006). The soil vapor probes were installed at approximately 3 feet below grade using an electric handheld hammer drill. Each temporary implant was constructed with a 6-inch stainless steel screen connected to the inner tubing. The space surrounding the screen zone was filled with clean sand to create a sampling zone of 1 foot in length. The soil vapor probes were sealed above the sampling zone to grade with bentonite slurry to prevent ambient air infiltration. For Partner to split Roux's soil vapor samples, a stainless-steel tee fitting was added in-line to the soil vapor sampling train.

Chlorinated volatile organic compound results were compared to the New York State Department of Health (NYSDOH) October 2006 Final Guidance for Evaluating Soil Vapor Intrusion Matrices. For all other VOCs, there are no NYSDEC standards or guidance for comparison to soil vapor concentrations.

There were a wide range of VOC constituents identified in the soil vapor samples, which is generally characteristic of soil vapor in Queens and Brooklyn. The following compounds were detected in seven out of the eight samples:

- Acetone;
- Benzene;
- Cyclohexane;
- Ethylbenzene;
- 4-Ethyltoluene;
- Heptane;
- Hexane;
- Methyl ethyl ketone (MEK);
- 1,2,4-Trimetylbenzene;
- 1,3,5-Trimethylbenzene;
- Tetrachloroethene (PCE);
- Toluene; and
- Xylene.

Benzene, toluene, ethylbenzene, xylene (BTEX) and trimethylbenzenes are hydrocarbons that are all associated with gasoline; however, they are also associated with paint and varnish manufacturing. Acetone, cyclohexane, ethyltoluene, heptane, hexane, hexanone and MEK are less commonly found in soil vapor and they are all associated with paint and varnish manufacturing. Their widespread distribution at the Site suggests past releases and ongoing soil vapor source material continue to be present at the Site.

The chlorinated VOC, PCE, found in seven out of the eight samples, is commonly associated with dry cleaning operations although no dry cleaners have been identified in the immediate area. The detected concentrations were very low and do not suggest an active onsite source.

3. Remedial Investigation Field Activities

The following sections summarize the work completed by Roux and its subcontractors during the RI. The SOW was completed in accordance with the revised RIWP dated June 11, 2021, and associated project plans including the Health and Safety Plan (HASP) and Field Sampling Plan (FSP)/Quality Assurance Project Plan (QAPP). Deviations from the RIWP, including scope modifications, are noted in Section 3.11. All work was performed in accordance with NYSDEC DER-10 and the NYSDOH Guidance.

Areas of concern (AOCs) are categorized by Site media based on the findings of previous investigations. AOCs were determined by comparing parameters in soil to UUSCOs, RRSCOs, or the PGWSCOs and parameters in groundwater to AWQSGVs for Class GA groundwater. Soil vapor data was evaluated based on the NYSDOH Guidance.

The following areas of concern (AOCs) were identified in historic documents within the Site limits:

- Soil and groundwater contamination due to the presence of Site-wide urban fill; and
- Potential soil, groundwater and soil vapor contamination from former Site uses.

Based on the existing data for the Site and known data gaps (e.g., a limited number of environmental samples were collected across the Site during the Phase II ESA and no permanent groundwater monitoring wells were installed), the following objectives have been identified for the RIWP:

- Delineate the nature and extent of potential impacts to soil from AOCs described above utilizing multiple sample depths (to define the cleanup track);
- Delineate the nature and extent of impacts to groundwater;
- Evaluate the soil vapor intrusion risk to future structures that will be built on-Site; and
- Fill data gaps from prior investigations (e.g., obtain more data across the Site).

The scope of the RI included the collection of enough Site characterization data so that, together with the historical data, the entire Site would be sufficiently characterized to support the development of the RAWP.

The scope of the RI will include the collection of sufficient Site characterization data so that, together with the historical data, the entire Site will be sufficiently characterized to support the development of the Site-wide RAWP.

To accomplish this, the scope of work for the RI will include the following:

- The performance of Site reconnaissance to confirm proposed sampling locations;
- The advancement of soil borings, collection of soil samples, installation of groundwater monitoring wells, collection of groundwater samples from new monitoring wells, installation of soil vapor points, and sampling of new soil vapor points;
- The collection of soil, groundwater, and soil vapor data sufficient to define the nature and extent of impacted media;
- The collection of a synoptic round of groundwater level measurements and the collection of additional land survey data as needed for developing a groundwater elevation contour map; and
- The performance of a qualitative exposure assessment (EA) to identify exposure pathways and evaluate contaminant fate and transport.

All investigation activity was conducted in accordance with the applicable requirements of the NYSDEC DER-10. All base soil and groundwater samples collected from the soil and groundwater investigation described in detail below will be analyzed for the TCL/Part 375 plus 30/ TAL (TCL + 30/TAL) list of parameters including:

- TCL/Part 375 VOC + 10 Tentatively identified compounds (TICs);
- TCL/Part 375 Base neutral acids (BNA)/SVOCs + 20;
- TCL/Part 375 Pesticides;
- TCL/Part 375 Herbicides;
- TCL/Part 375 PCBs;
- TAL/Part 375 Metals (including hexavalent chromium);
- Total Cyanide; and
- Emerging Contaminants (ECs)*.

*ECs list includes 1,4-Dioxane and the 21 Per- and Polyfluoroalkyl Substances (PFAS) which include the 21 compounds listed in the NYSDEC January 2021 Sampling for 1,4-Dioxane and PFAS Under DEC's Part 375 Remedial Programs (NYSDEC January 2021 Guidance). PFAS will be analyzed by USEPA Method 537.1 and 1,4-Dioxane will be analyzed by USEPA Method 8270D SIM. The 21 PFAS are:

Perfluorobutanesulfonic acid (Pfbs)
Perfluorohexanesulfonic acid (Pfhxs)
Perfluoroheptanesulfonic acid (Pfhps)
Perfluorooctancessulfonic acid (Pfos)
Perfluorodecanesulfonic acid (Pfds)
Perfluorobutanoics acid (Pfba)
Perfluoropentanoic acid (Pfpea)
Perfluorohexanoic acid (Pfhxa)
Perfluoroheptanoic acid (Pfhpa)
Perfluorooctanoic acid (Pfoa)
Perfluorononanoic acid (Pfna)
Perfluorodecanoic acid (Pfda)
Perfluoroundecanoic acid (Pfuna)
Perfluorododecanoic acid (Pfdoa)
Perfluorotridecanoic acid (Pftrda)
Perfluorotetradecanoic acid (Pfta)
6:2 Fluorotelomer sulfonate (6:2Fts)
8:2 Fluorotelomer sulfonate (8:2Fts)
Perfluroroctanesulfonamide (Fosa)
N-methyl perfluorooctanesulfonamidoacetic acid (Nmefosaa)
N-ethyl perfluorooctanesulfonamidoacetic acid (Netfosaa)

Soil samples were also collected for geologic logging in accordance with the Unified Soils Classification System (USCS) and for visual inspection (for evidence of contamination including staining, elevated photoionization detector (PID) detections, and/or odors).

All soil vapor air samples were analyzed using USEPA Method TO-15 for VOCs.

All data was produced in accordance with NYSDEC Analytical Services Protocol (ASP) Category B deliverables and was reviewed and validated by an independent party in a DUSR, prepared by Joshua Cope of Roux, before being incorporated into the RI Report (RIR) for the Site. Joshua Cope only performed the data validation and has no other involvement with the project. All data will be submitted to NYSDEC in electronic format, in accordance with DER-10.

The field activities completed during the RI are discussed in detail in the following subsections. Figure 4 presents the locations of the completed soil borings, monitoring wells, and soil vapor points at the Site.

3.1 Site Reconnaissance

Roux has performed a preliminary Site reconnaissance in 2020 and has identified potential AOCs. An inspection of the existing Site conditions was conducted in 2021 to determine the final locations of soil borings and monitoring wells based on actual field conditions.

3.2 Geophysical Survey

The geophysical survey is described in Section 2.2.1.

3.3 Utility Clearance

Utility clearance was performed prior to the advancement of soil borings, installation of monitoring wells, or soil vapor points using hand tools to a minimum depth of 5 ft-bls at each location to confirm that no subsurface utilities were present. All locations were determined to be clear of utilities.

3.4 Soil Borings and Soil Sampling Activities

From July 12 through 28, 2021, AARCO Environmental Services Corp. (AARCO), under Roux oversight, completed the advancement of 14 soil borings as part of the RI. Soil boring locations discussed below are presented on Figure 4.

Soil samples were collected by hand or by utilizing the Geoprobe 420M portable drill rig and a GeoProbe® 7822DT Track-mounted drill rig. Soil samples were collected continuously from land surface to the water table or the interval below the planned excavation depth. During installation of the soil borings, the lithology was recorded, and soil was inspected for evidence (visual or olfactory) of contamination and field screened continuously for VOCs using a PID with a 10.6 eV lamp. Soil boring lithology logs are provided in Appendix G.

Following sample collection, boreholes that were not converted to monitoring wells were backfilled with soil cuttings with an upper bentonite plug and restored with like materials to surrounding grade.

Region of Site	Number of Borings	Boring ID	Analyses	Depth of Sample (ft bls)
West Side	2	RXSB-11, RXSB-12	TCL/Part 375 + 30/TAL, ECs	1-3, 7-9, 13-15
Former Tank Vault Area	3	RXSB-13, RXSB-14, RXSB-15	TCL/Part 375 + 30/TAL, ECs	1-3, 7-9, 13-15
Former Oil Storage Building	4	RXSB-16, RXSB-22(*), RXSB-23, RXSB-24	TCL/Part 375 + 30/TAL, ECs	1-3, 7-9, 13-15
Inside Warehouse (South Side)	2	RXSB-17, RXSB-18	TCL/Part 375 + 30/TAL, ECs	1-3, 7-9, 13-15
Inside Warehouse (Central Portion)	1	RXSB-19	TCL/Part 375 + 30/TAL, ECs	1-3, 7-9, 13-15

Region of Site	Number of Borings	Boring ID	Analyses	Depth of Sample (ft bls)
Inside Warehouse (North Side)	2	RXSB-20, RXSB-21	TCL/Part 375 + 30/TAL, ECs	1-3, 7-9, 13-15

(*) RXSB-22: soil sample collected at 9-10ft bls and 15-17ft bls instead of 7-9ft bls and 13-15ft bls, respectively due to recovery issues.

All soil samples were analyzed by Alpha Analytical Laboratories of Westborough, MA and Mansfield, MA (Alpha), NYSDOHELAP-certified laboratories (11148 and 11627, respectively) for each of the parameters noted above. Analytical data were reported using Category B data deliverables (Appendix H). A summary of data usability is described in Section 4.2.4 and the DUSR is included in Appendix I.

3.5 Monitoring Well Installation

To characterize Site groundwater flow and quality conditions and to evaluate for potential off-Site migration, ten (10) permanent groundwater monitoring wells (MW-12 through MW-16, MW-18, MW-20, MW-21, MW-25 and MW-26) were installed at selected soil boring locations. The groundwater monitoring well locations are shown on Figure 4 and well logs are included in Appendix G.

The permanent monitoring wells were constructed of 1- and 2-inch diameter Schedule 40 PVC casing with 1- and 2-inch diameter, 20-slot (0.020 inches) PVC screen flush-threaded onto the PVC casing.

At all permanent monitoring well locations, the casing was placed down the open hole and a sand filter pack of #2 Morie sand was placed around the screen to approximately two to three feet above the screened depth. The annulus above the filter pack was sealed with a two to three-foot hydrated bentonite seal. A cement-bentonite grout was then placed in the annulus above the bentonite seal to the surface. Surface completion of each monitoring well consisted of a locking J-plug and a protective flush mount manhole cover. All monitoring wells were developed using a submersible pump to equilibrate monitoring well water levels with the surrounding formation. A submersible pump was lowered into the well and groundwater was withdrawn until the well was dry or the water ran clear with a turbidity less than 50 NTU.

All monitoring wells were surveyed by Mega Engineering and Land Surveying, P.C. (Mega), a New York State licensed surveyor, to obtain horizontal and vertical survey coordinates. The depth to groundwater in each monitoring well was measured using an electronic water level meter and a groundwater contour map was developed using the survey data (Figure 5).

All water generated during well installation and development activities was containerized in 55-gallon drums and staged in a drum storage area at the Site for disposal at an approved facility.

3.6 Groundwater Gauging and Sampling

Roux conducted a water-level gauging round on August 6, 2021 to evaluate Site-wide groundwater elevations and groundwater flow. Groundwater levels from newly installed monitoring wells were collected with an electronic oil/water interface probe capable of measuring fluid elevation with an accuracy of 0.01 ft. All groundwater level measurements were collected on the same day to provide a snapshot of the Site-wide conditions. A figure presenting monitoring well locations is provided as Figure 4.

A groundwater sampling event was completed on August 6, 2021. Groundwater samples were collected using the low-flow methods described in the USEPA guidance document titled "Ground Water Sampling Procedure, Low Stress (Low Flow) Purging and Sampling" (USEPA, 2010). 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 as Appendix J. All NYSDEC protocols for sampling ECs, as described in the approved QAPP/FSP, were followed. No anomalies were noted and the field parameters measured during purging appear to be consistent with values expected to occur in the natural environment.

One round of groundwater samples was collected and analyzed for:

- TCL + 30/TAL/Part 375 (including filtered and unfiltered metals), VOCs, SVOCs, PCBs and pesticides) and ECs.

All groundwater samples were analyzed by Alpha and were reported using Category B data deliverables. A DUSR was prepared by an independent data validator. A summary of data usability is described in Section 4.2.4 and the DUSR is presented in Appendix I.

3.7 Soil Vapor Point Installation and Sampling

The following six soil vapor samples were collected during the RI on July 22 and 28, 2021 to further assess the impact of the urban fill and historical operations: SV-11, SV-12, SV-15, SV-17, SV-19 and SV-21.

The soil vapor samples were collected from soil vapor points installed by hand or by using a Geoprobe® to the target depth of approximately 3 ft bls, or two feet above the groundwater table (whichever is shallower).

New Teflon®-lined tubing were attached to an expendable soil vapor sampling point with a 6-inch stainless steel screen. The soil vapor points were backfilled with #2 Morie sand to approximately one foot above the screen. The remainder of the borehole were backfilled with a concrete/bentonite slurry to grade.

The soil vapor samples were collected using pre-cleaned (batch certified) 6-liter summa canisters with regulators calibrated to collect samples over an 8-hour period and analyzed by Alpha using USEPA Method TO-15 for VOCs. A helium tracer gas test was performed on each vapor point prior to sampling in accordance with the procedures outlined in the NYSDOH Guidance. The soil vapor sampling locations are shown on Figure 4. Soil vapor field sampling forms are included as Appendix K. Samples were reported using Category B data deliverables. A DUSR was prepared and a summary of data usability is described in Section 4.2.4 and the DUSR is presented in Appendix I.

3.8 Surveying Activities

All new RI soil borings, monitoring wells, and soil vapor points were surveyed to obtain horizontal and vertical coordinates. Surveyed locations are provided on Figure 4. All RI survey activities were conducted by Mega on August 6, 2021. Horizontal coordinates were based upon New York State Plane Coordinate System North American Datum of 1983 (NAD 83) in US Survey Feet. Vertical elevations were measured for grade at all SRI sample locations and top-of-casing (measuring point) and grade elevations at monitoring well locations referenced to North American Vertical Datum of 1988 (NAVD 88). Monitoring well survey data was used to calculate water-level elevations for each monitoring well.

3.9 Community Air Monitoring Program

Roux implemented a CAMP during the entire subsurface investigation to prevent off-Site migration of VOCs and particulates and protect potential off-Site receptors. CAMP was conducted from July 12 through 28, 2021 when weather permitted. The CAMP included the use of two air monitoring stations (one upwind and one downwind), each equipped with one PID and one particulate meter. No exceedances of VOCs were observed, and there were no required actions taken to mitigate VOC levels at the Site. There were 3 exceedances of dust on July 20,21 and 26, 2021 as a result of third-party geotechnical drilling occurring concurrently onsite. The geotechnical staff was notified of the dust exceedances and instructed to wet their work area more often. The dust exceedances were confined to the warehouse area therefore no complaints were received from the surrounding community. CAMP and action limit exceedance reports are included in Appendix L.

3.10 Waste Disposal

Soil from drill cuttings and water from well development were stored into ten 55-gallon steel drums during the RI. The contents of the drums were sampled and one composite sample per media was submitted for laboratory analysis for additional waste characterization parameters. On September 3, 2021, the drums were removed from the Site by Innovative Recycling Technologies (IRT) for appropriate offsite disposal as a nonhazardous waste. Disposal documentation is included in Appendix M.

3.11 Summary of Deviations from the Remedial Investigation Work Plan

The following section discusses deviations from the RIWP.

Final locations of soil borings, monitoring wells, and soil vapor points were based on the locations proposed in the RIWP; however, the final locations were adjusted based on conditions encountered during the subsurface investigation and are shown on Figure 4. The use of different drilling equipment/techniques is also discussed below.

Use of air rotary techniques with the Geoprobe 7822DT track-mounted drill rig to advance past obstruction at exterior borings (RXSB/MW-13 and RXSB-22).

Unable to collect soil from boring RXSB-22 at two of three intervals specified in RIWP (7-9 and 13-15 ft bls) due to no recovery; collected 9-10 and 15-17 ft bls intervals instead.

Use of direct drive casing rather than hollow stem augers to install MW-13 after employing air rotary techniques to pass obstruction.

Relocation of four interior borings more than 10 ft away from their original locations specified in the RIWP due to encountering repeated refusals:

- RXSB-18: Relocated approximately 30 ft east
- RXSB-19: Relocated approximately 30 ft southeast
- RXSB-20: Relocated approximately 25 ft southeast
- RXSB-21: Relocated approximately 30 ft east

Utilized a restricted-access Geoprobe 420M portable drill rig at three interior locations (MW-18, MW-20 and MW-21) to install 1" permanent wells with pre-pack screen, rather than using the Geoprobe 7822DT equipped with hollow stem augers to install 2” wells with a sand pack. The Geoprobe 420M unit was also used to advance interior borings RXSB-17 and RXSB-19.

Unable to collect groundwater geochemical parameters at three interior wells (MW-18, MW-20, and MW-21) due to slow recharge.

4. Remedial Investigation Results

The following section provides a summary of the geological and hydrogeological findings, and the soil, groundwater, and soil vapor quality data that were generated by Roux during the RI. Data tables with all the data generated during the RI are provided in Tables 1 through 14. Hydrogeologic Cross Sections are presented on Plate 1. Plates presenting the analytical data are provided as Plates 2 through Plate 7.

4.1 Geological and Hydrogeological Conditions

The following sections provide a description of the geological and hydrogeological findings of the Site as determined by performance 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.

4.1.1 Local Geology and Stratigraphy

The general topography gradient of the Site is generally west. The elevation of the Site is approximately 6.88 feet above mean sea level (amsl), which has been determined from the USGS 7.5' Digital Elevation Model.

According to the EDR report, the dominant soil composition in the general area of the Site is comprised of urban fill. Based on data from Roux's RI, fill consisting of brick, concrete, asphalt, and other miscellaneous materials found in the upper 5 to 8 feet in all borings blanketed the Site. Natural deposits underlying the fill consisted predominantly of fine to medium sand and silt with intermittent peat deposits. Bedrock was not encountered during the Roux RI.

Based on EMG's Phase I ESA dated June 1999, the Site is located in a densely developed area classified as Urban land. A review of the "Potentiometric- Surface of the Water Table, Magothy, and Lloyd Aquifers on Long Island, New York, in 1984" (Water Resources Investigation Report 86-4189), published by the US Geological Survey and dated 1987, indicates the Site is located within the Atlantic Coastal Plains physiographic province of southeastern New York State, which consists of sedimentary materials and that the subsurface geology in the vicinity of the Site consists of the Upper Glacial deposits and bedrock, as follows:

- The unconsolidated Upper Glacial deposits extends to a depth of approximately 110 feet below surface grade as consists of glacial till deposits consisting of clay, sand, gravel, boulders, and reworked deposits.
- The Upper Glacial deposits are underlain by bedrock consisting of metamorphic and metaigneous rocks (muscovite and biotite schist, gneiss, and metagranite). The bedrock is poorly to virtually impermeable and constitutes the lower boundary of the groundwater reservoir.

4.1.2 Site Hydrogeologic Setting

According to water-level data collected during this RI, the elevation of the water table surface at the Site ranges from approximately 2.4 ft NAVD 88 in the eastern portion of the Site to approximately 0.6 ft NAVD 88 in the western portion of the Site. Groundwater depth at the Site varied from 5.15 ft bls to 9.01 ft bls. Groundwater gauging data is included as Table 1. A groundwater flow map is provided in Figure 5 and it shows that the flow is generally to the west towards the East River.

4.2 Remedial Investigation Sample Results

The following sections summarize soil, groundwater, and soil vapor quality data that was generated by Roux during the RI. Data tables showing the sample data generated during these events are provided in Tables 2 through 14.

4.2.1 Soil Quality

A total of 42 soil samples and three field duplicate soil samples were collected and analyzed from 14 soil boring locations and submitted for laboratory analysis. Site-wide analytical soil data was compared to the following NYSDEC Subpart 375-6 SCOs as noted in the RIWP in order to evaluate Site-wide soil quality and to determine contamination in soil, if present:

- NYSDEC UUSCOs;
- NYSDEC RRSCOs; and
- NYSDEC PGWSCOs.

NYSDEC has recently announced soil guidance values (not SCOs) for two PFAS compounds Perfluorooctanoic acid (PFOA) and Perfluorooctanesulfonic acid (PFOS) in a January 2021 guidance document. These guidance values will be used to evaluate concentrations of these two compounds, as discussed further below. The other PFAS compounds do not have SCOs or guidance values. Laboratory analytical data generated for soil is summarized in Tables 2 through 7. Soil boring locations with soil sample exceedances of the NYSDEC Subpart 375-6 SCOs are shown on Plate 2.

A summary of soil quality results is provided in the below sections.

4.2.1.1 *Volatile Organic Compounds in Soil*

A summary of the VOC exceedances in the soil samples analyzed is provided below:

VOC Exceedances of SCOs in Soil

Analyte	NYSDEC Unrestricted Use SCO (mg/kg)	Detections above NYSDEC Unrestricted Use SCOs	NYSDEC Restricted Residential SCOs (mg/kg)	Detections above NYSDEC Restricted Residential SCOs	NYSDEC Protection of Groundwater SCOs (mg/kg)	Detections above NYSDEC Protection of Groundwater SCOs	Range in Concentration Above NYSDEC SCOs (mg/kg)	Soil Sample with Maximum Detection
Acetone	0.05	5	100	0	0.05	5	0.054-0.12	RXSB-18

Acetone is a common laboratory contaminant and the reported detection is assumed to be a lab artifact.

4.2.1.2 Semivolatile Organic Compounds in Soil

A summary of the SVOC exceedances in the soil samples analyzed is provided below:

SVOC Exceedances of SCOs in Soil

Analyte	NYSDEC Unrestricted Use SCO (mg/kg)	Detections above NYSDEC Unrestricted Use SCOs	NYSDEC Restricted Residential SCOs (mg/kg)	Detections above NYSDEC Restricted Residential SCOs	NYSDEC Protection of Groundwater SCOs (mg/kg)	Detections above NYSDEC Protection of Groundwater SCOs	Range in Concentration Above NYSDEC SCOs (mg/kg)	Soil Sample with Maximum Detection
Benzo[a]anthracene	1	18	1	18	1	18	1.4-62	RXSB-11(1-3)
Benzo[a]pyrene	1	18	1	18	22	2	1.3-47	RXSB-11(1-3)
Benzo[b]fluoranthene	1	18	1	18	1.7	18	1.8-63	RXSB-11(1-3)
Benzo[k]fluoranthene	0.8	16	3.9	5	1.7	10	0.88-19	RXSB-11(1-3)
Chrysene	1	18	3.9	9	1	18	1.3-51	RXSB-11(1-3)
Dibenzo[a,h]anthracene	0.33	13	0.33	13	1,000	0	0.38-5.9	RXSB-11(1-3)
Fluoranthene	100	1	100	1	1,000	0	120	RXSB-11(1-3)
Indeno[1,2,3-cd]pyrene	0.5	18	0.5	18	8.2	4	1-30	RXSB-11(1-3)
Phenol	0.33	2	100	0	0.33	2	0.34-0.97	RXSB-13(7-9)

The SVOCs, exclusively PAHs, detected in soil are indicative of urban fill.

4.2.1.3 Metals in Soil

A summary of the Metals exceedances in the soil samples analyzed is provided below:

Metal Exceedances of SCOs in Soil

Analyte	NYSDEC Unrestricted Use SCO (mg/kg)	Detections above NYSDEC Unrestricted Use SCOs	NYSDEC Restricted Residential SCOs (mg/kg)	Detections above NYSDEC Restricted Residential SCOs	NYSDEC Protection of Groundwater SCOs (mg/kg)	Detections above NYSDEC Protection of Groundwater SCOs	Range in Concentration Above NYSDEC SCOs (mg/kg)	Soil Sample with Maximum Detection
Arsenic	13	6	16	5	16	5	13.8-56.7	RXSB-20(1-3)
Barium	350	5	400	3	820	1	376-1,240	RXSB-17(1-3)
Cadmium	2.5	1	4.3	0	7.5	0	2.62	RXSB-15(1-3)
Chromium, Hexavalent	1	1	110	0	19	0	2.98	RXSB-17(1-3)
Chromium, total	30	3	180	0	--	0	59.6-94.8	RXSB-17(1-3)
Copper	50	13	270	2	1,720	0	52-589	RXSB-21(7-9)
Lead	63	20	400	14	450	14	65-9,350	RXSB-20(1-3)
Mercury	0.18	20	0.81	13	0.73	13	0.189-60.5	RXSB-17(1-3)
Selenium	3.9	2	180	0	4	2	4.53-6.41	RXSB-19(1-3)
Silver	2	2	180	0	8.3	1	2.42-19.5	RXSB-20(1-3)
Zinc	109	18	10,000	0	2,480	0	156-2,040	RXSB-15(1-3)

The metals detected in soil are generally indicative of urban fill. The elevated concentrations of mercury and lead could potentially be related to past operations at the Site.

4.2.1.4 Polychlorinated Biphenyls in Soil

A summary of the PCBs exceedances in the soil samples analyzed is provided below:

PCB Exceedances of SCOs in Soil

Analyte	NYSDEC Unrestricted Use SCO (mg/kg)	Detections above NYSDEC Unrestricted Use SCOs (mg/kg)	NYSDEC Restricted Residential SCOs (mg/kg)	Detections above NYSDEC Restricted Residential SCOs (mg/kg)	NYSDEC Protection of Groundwater SCOs (mg/kg)	Detections above NYSDEC Protection of Groundwater SCOs	Range in Concentration Above NYSDEC SCOs (mg/kg)	Soil Sample with Maximum Detection
Total PCBs	0.1	1	1	0	3.2	0	0.112	RXSB-20(7-9)

The PCBs detected in soil are indicative of urban fill.

4.2.1.5 Pesticides and Herbicides in Soil

A summary of the Pesticides and Herbicides exceedances in the soil samples analyzed is provided below:

Pesticide and Herbicide Exceedances of SCOs in Soil

Analyte	NYSDEC Unrestricted Use SCO (mg/kg)	Detections above NYSDEC Unrestricted Use SCOs	NYSDEC Restricted Residential SCOs (mg/kg)	Detections above NYSDEC Restricted Residential SCOs	NYSDEC Protection of Groundwater SCOs (mg/kg)	Detections above NYSDEC Protection of Groundwater SCOs	Range in Concentration Above NYSDEC SCOs (mg/kg)	Soil Sample with Maximum Detection
Dieldrin	0.005	1	0.2	0	0.1	0	0.059	RXSB-13(1-3)
P,P'-DDD	0.0033	1	13	0	14	0	0.00491	RXSB-21(1-3)
P,P'-DDE	0.0033	4	8.9	0	17	0	0.00551-0.0154	RXSB-12(1-3)
P,P'-DDT	0.0033	3	7.9	0	136	0	0.0114-0.0159	RXSB-16(1-3)

The pesticides and herbicides detected in soil are indicative of urban fill.

4.2.1.6 PFAS in Soil

A summary of the PFAS exceedances compared to the NYSDEC guidance values (not SCOs) in the soil samples analyzed is provided below.

PFAS Exceedances in Soil

Analyte	NYSDEC Unrestricted Use Soil Guidance Value (ng/g)	Detections above NYSDEC Unrestricted Use Soil Guidance Values	NYSDEC Restricted Residential Soil Guidance Value (ng/g)	Detections above NYSDEC Restricted Residential Soil Guidance Values	NYSDEC Protection of Groundwater Soil Guidance Value (ng/g)	Detections above NYSDEC Protection of Groundwater Soil Guidance Values	Range in Concentration Above NYSDEC Soil Guidance Values (ng/g)*	Soil Sample with Maximum Detection
Perfluorooctanesulfonic Acid (PFOS)	0.88	0	44	0	3.7	0	0	RXSB-16(1-3) DUP
Perfluorooctanoic Acid (PFOA)	0.66	0	33	0	1.1	0	0	RXSB-16(1-3) DUP

* NYSDEC has published soil guidance values (not SCOs) for two PFAS compounds: Perfluorooctanoic acid (PFOA) and Perfluorooctanesulfonic acid (PFOS). These guidance values will be used to evaluate concentrations of these two compounds. The other PFAS compounds do not have SCOs or guidance values.

4.2.2 Groundwater Sampling Results

A total of ten groundwater samples and one field duplicate sample were collected from ten permanent groundwater monitoring wells on-Site. The Site-wide analytical groundwater data was compared to NYSDEC AWQSGVs for Class GA groundwater as noted in the RIWP in order to evaluate groundwater quality and to determine the contamination in groundwater, if present. However, it should be noted that the groundwater beneath the Site is not currently used as a drinking water source and will not be used in the future.

As of July 31, 2020, maximum contaminant levels (MCLs) for select emerging contaminants have been established for New York State, which were published in a letter from Governor Andrew Cuomo. The MCL that is being adopted for 1,4-dioxane is 1 ppb and the MCL that is being set for both PFOA and PFOS is 10 nanograms per liter (ng/L). Furthermore, if any other individual PFAS (not PFOA or PFOS) are detected in water at or above 100 ng/L, or the total concentration of PFAS (including PFOA and PFOS) is detected in water at or above 500 ng/L, further assessment of water may be warranted per the October 2020 guidance document.

Field parameters measured during groundwater sampling purging activities are provided on field datasheets included in Appendix J and discussed in Section 3.6. 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 NYSDEC 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 are impacting groundwater quality. As discussed in Section 4.2.1, primarily PAHs (a subset of SVOCs), were detected at concentrations exceeding NYSDEC PGWSCOs. An evaluation of soil exceedances and groundwater detections is provided in the below sections.

Laboratory analytical data generated for groundwater is summarized in Tables 8 through 13. Monitoring well locations with groundwater sample exceedances of AWQSGVs are shown on Plate 4.

A summary of groundwater quality results is provided in the below sections.

4.2.2.1 Volatile Organic Compounds in Groundwater

A summary of the VOC exceedances in the groundwater samples analyzed is provided below:

VOC Exceedances of AWQSGVs in Groundwater

Analyte	NYSDEC AWQSGVs (µg/L)	Detections above NYSDEC AWQSGVs	Range in Concentration Above NYSDEC AWQSGVs (µg/L)	Sample with Maximum Detection
1,2,4,5-Tetramethylbenzene	5	2	34-41	MW-15
Cymene	5	1	180	MW-16
Isopropylbenzene (Cumene)	5	2	16-24	MW-15
N-Butylbenzene	5	2	7.1-11	MW-15
N-Propylbenzene	5	2	13-23	MW-25
Sec-Butylbenzene	5	2	15-33	MW-15
T-Butylbenzene	5	2	5.4-8.8	MW-15

Analyte	NYSDEC AWQSGVs (µg/L)	Detections above NYSDEC AWQSGVs	Range in Concentration Above NYSDEC AWQSGVs (µg/L)	Sample with Maximum Detection
Tert-Butyl Methyl Ether	10	1	20	MW-20
Xylenes	5	1	6.1	MW-16

During groundwater sampling activities no measurable LNAPL was present in the monitoring wells sampled. However, the VOCs detected in the groundwater samples analyzed are indicative of residual petroleum-related hydrocarbons and possibly onsite paint and varnish manufacturing operations.

4.2.2.2 Semivolatile Organic Compounds in Groundwater

A summary of the SVOC exceedances in the groundwater samples analyzed is provided below:

SVOC Exceedances of AWQSGVs in Groundwater

Analyte	NYSDEC AWQSGVs (µg/L)	Detections above NYSDEC AWQSGVs	Range in Concentration Above NYSDEC AWQSGVs (µg/L)	Sample with Maximum Detection
Benzo[a]anthracene	0.002	8	0.03-0.85	MW-21
Benzo[a]pyrene	0	7	0.02-0.86	MW-21
Benzo[b]fluoranthene	0.002	7	0.03-1.1	MW-21
Benzo[k]fluoranthene	0.002	7	0.01-0.32	MW-21
Chrysene	0.002	8	0.02-0.75	MW-21
Indeno[1,2,3-c,d]pyrene	0.002	7	0.02-0.62	MW-21
Phenol	1	1	1.9	MW-16

SVOCs, exclusively PAHs (benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, and indeno[1,2,3-cd]pyrene) were detected at concentrations above NYSDEC Protection of Groundwater SCOs in soil in 18 soil samples at 13 of 14 soil boring locations. The same PAHs were detected above the AWQSGV, but at relatively low concentrations. The exceedances reflect the impact of urban fill on site groundwater.

4.2.2.3 Metals in Groundwater

A summary of the metals exceedances in the groundwater samples analyzed is provided below:

Metals Exceedances of 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	Arsenic	25	2	28.15-31.74	MW-26
	Cyanide	200	2	273-342	MW-12
	Iron	300	11	446-27,800	MW-13
	Lead	25	1	97.37	MW-21
	Magnesium	35,000	5	41,800-66,700	MW-21
	Manganese	300	11	650.8-16,930	MW-15
	Sodium	20,000	11	22,600-214,000	MW-21
Filtered	Iron	300	3	621-3,010	MW-15

	Analyte	NYSDEC AWQSGVs (µg/L)	Detections above NYSDEC AWQSGVs	Range in Concentration Above NYSDEC AWQSGVs (µg/L)	Sample with Maximum Detection
	Magnesium	35,000	4	36,300-58,400	MW-21
	Manganese	300	11	621.8-16,580	MW-15
	Sodium	20,000	11	23,300-228,000	MW-21

The filtered metals detected above AWQSGVs are primarily naturally occurring.

4.2.2.4 Polychlorinated Biphenyls in Groundwater

PCBs were not detected in any groundwater samples, as shown on Plate 4.

Total PCBs were not detected at concentrations above its NYSDEC PGWSCO in any soil samples, therefore, PCBs in soil are not a source of groundwater contamination at the Site.

4.2.2.5 Pesticides and Herbicides in Groundwater

Pesticides and herbicides were not detected in any groundwater samples, as shown on Plate 4.

4.2.2.6 PFAS in Groundwater

There are no NYSDEC AWQSGVs for PFAS, and therefore, exceedances of MCLs are presented on Plate 4. A summary of the exceedances of the MCLs for PFOS and PFOA are provided in the below table:

PFAS Detections in Groundwater (in nanograms per liter [ng/L])

Analyte	NYSDEC MCLs (ng/L)	Detections Above NYSDEC MCLs	Detection Range (ng/L)*	Groundwater Sample with Maximum Detection
Perfluorooctanesulfonic Acid (PFOS)	10	6	12.1-28.2	MW-26
Perfluorooctanoic Acid (PFOA)	10	11	21.4-121	MW-25

PFAS compounds were detected but did not exceed any PGWSCOs in soil and were detected in groundwater. Due to the widespread distribution of PFAS in groundwater, it could be indicative of a potential onsite source.

4.2.3 Soil Vapor Sampling Results

A total of six soil vapor samples and one field duplicate soil vapor sample were collected from new soil vapor points and submitted for laboratory analysis. Laboratory analytical data generated for soil vapor is summarized in Table 14. Soil vapor point locations with soil vapor sample detections are shown on Plate 6.

A summary of soil vapor quality results is provided in the below sections.

Analytical data for soil vapor VOCs indicates there were detections of 28 different VOCs across the Site, including petroleum-related and chlorinated VOCs.

Analyte	Detections	Range in Concentrations ($\mu g/m^3$)	Sample with Maximum Detection
1,2,4-Trimethylbenzene	4	3.32-3.62	SV-17 (DUP)

1,3,5-Trimethylbenzene (Mesitylene)	1	0.998	SV-17 (DUP)
2,2,4-Trimethylpentane	3	1.29-14.9	SV-15
2-Hexanone	7	10.6-147	SV-11
Acetone	6	4.47-1,520	SV-15
Benzene	4	1.84-3.05	SV-17 (DUP)
Carbon Disulfide	5	0.891-10.4	SV-15
Chloroform	5	3.58-12.6	SV-21
Chloromethane	1	0.419	SV-19
Cis-1,2-Dichloroethylene	1	2.36	SV-15
Cyclohexane	3	2.04-22.1	SV-15
Dichlorodifluoromethane	4	1.94-2.32	SV-19
Ethanol	1	40.3	SV-15
Ethylbenzene	3	0.96-1.76	SV-21
Isopropanol	5	1.63-21.3	SV-19
m,p-Xylene	4	2.01-6.3	SV-21
Methyl Ethyl Ketone (2-Butanone)	7	14.8-2,270	SV-11
Methylene Chloride	2	3.75-12.8	SV-19
N-Heptane	5	1.32-6.76	SV-15
N-Hexane	5	0.821-15	SV-19
O-Xylene (1,2-Dimethylbenzene)	5	0.886-2.9	SV-21
Styrene	1	1.92	SV-19
Tert-Butyl Alcohol	3	1.83-57	SV-15
Tert-Butyl Methyl Ether	1	7.32	SV-19
Tetrachloroethylene (PCE)	5	2.28-105	SV-17
Toluene	5	3.69-7.5	SV-19
Trichloroethylene (TCE)	3	34.3-109	SV-15
Trichlorofluoromethane	4	1.35-1.85	SV-21

The following compounds are discussed because they are chlorinated compounds and are included in the NYSDOH Guidance. Matrix A provides guidance relative to trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), 1,1-dichloroethene (1,1-DCE), and carbon tetrachloride. Matrix B provides guidance relative to PCE, 1,1,1-trichloroethane (1,1,1-TCA), and methylene chloride. Matrix C provides guidance to vinyl chloride. No indoor air samples were collected since the 1) some of the locations had no buildings and 2) existing building will be demolished; therefore, no direct comparison is made to the NYSDOH Matrices. A summary of the detections is described below. Additional compounds detected besides those noted below are included in Table 14. It is worth noting that TCE was not detected in any of the soil vapor samples during the July 2020 Phase II Investigation.

Matrix A Compounds

- TCE was detected in three soil vapor samples, ranging in concentration from 34.3 to 109 µg/m^3, with a maximum detection in soil vapor sample SV-15; and
- Carbon tetrachloride, 1,1-DCE, and cis-1,2-DCE were not detected in soil vapor.

Matrix B Compounds

- Methylene chloride was detected in two soil vapor samples, ranging in concentration from 3.75 to 12.8 µg/m3 with a maximum detection in soil vapor sample SV-19;
- PCE was detected in five soil vapor samples, ranging in concentration from 2.28 µg/m3 to 105 µg/m3, with a maximum detection in soil vapor sample SV-17; and
- TCA was not detected in soil vapor.

Matrix C Compound

- Vinyl chloride was not detected in soil vapor.

4.2.4 Data Usability Summary and Field Duplicate Results

Data validation was performed on all data collected during the RI as a thorough evaluation of analytical data to determine whether the data, as presented, meets the Site-specific criteria for data quality and data use. Data qualifiers are included on the data tables. The laboratory reported the results for data in ASP Category B deliverable packages, which are provided as Appendix H. An electronic data deliverable (EDD) in the required NYSDEC format was provided by the laboratory. A DUSR, in accordance with Appendix 2B of DER-10, is provided in Appendix I.

5. Conceptual Site Model

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

Based on the soil, groundwater, and soil vapor results discussed in Section 4.2, soil has been documented to be impacted at the Site, but soil vapor and groundwater are not significantly impacted. The spatial distribution of contaminants of potential concern in various media is shown in Plates 2, 4 and 6. The historical data from the July 2020 Phase II investigation is included in Plates 3, 5 and 7 for reference.

As discussed in Section 4.2.1 and based on the Site-wide detections and exceedances of NYSDEC UUSCOs (and/or guidance values for PFOS and PFOA), soil at the Site is mostly impacted with SVOCs (exclusively PAHs), metals and, to a lesser extent, pesticides and PCBs, likely due to urban fill materials across the Site. Elevated lead and mercury exceedances were the most significantly elevated metals detected at the Site and could potentially be related to past operations at the Site. PFOA and PFOS were not detected above its guidance values.

As discussed in Section 4.2.2, groundwater is not significantly impacted.

Some VOCs (including xylenes and MTBE) were detected in 4 of the 10 groundwater samples above the NYSDEC AWQSGVs, but at relatively low concentrations.

There were no VOC exceedances of NYSDEC PGWSCOs in soil with exception of acetone (typical lab contaminant) and in one soil sample (RXSB-07 which was collected during the July 2020 Phase II ESA) where it marginally exceeded in three compounds; therefore, no on-Site source of VOCs was identified.

Some PAHs were identified in both soil and groundwater. Some PAHs in soil were detected above the Protection of Groundwater SCOs as well as in some groundwater samples, and, therefore, it could be a source of onsite contamination. Heavy metals with exceedances in soil were not observed in groundwater.

PFAS compounds were not detected in soil; however, they were detected in groundwater. Due to the widespread distribution of PFAS in groundwater, it could be indicative of a potential onsite source.

As discussed in Section 4.2.3, and based on the Site-wide detections, soil vapor at the Site is impacted with VOCs, though at relatively low concentrations not indicative of an on-Site source. Soil vapor impacts likely originate from off-Site sources as no on-Site source of VOCs was identified in soil.

Two non-chlorinated VOCs (xylenes, benzene) were found in both soil vapor and groundwater at low concentrations. Xylenes were found only in MW-16 in groundwater, but in soil vapor it was found in most samples. Benzene was not found in the RI samples, but it was found in GW-5 during the 2020 Phase II ESA, but in soil vapor it was found in SV-17, SV-19 and SV-21 during the RI and in all 2020 Phase II ESA samples.

There were no chlorinated VOCs found in soil or groundwater, but at least one or more of the chlorinated compounds (cis-1,2-dichloroethylene, PCE, TCE and methylene chloride) that are included in the NYSDOH guidance were detected in one or more soil vapor samples including SV-11, SV-15, SV-17, SV-19 and SV-21 during the RI. In the 2020 Phase II ESA samples, PCE was detected in all soil vapor samples. The soil vapor concentrations are relatively low and do not appear to require action, with exception of TCE in SV-15 (at 109 ug/m^3), which potentially requires mitigation.

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 2020 Phase ESA and 2021 RI.

6.1 Soil Exposure

As described above in Section 4.2.1, soil samples collected during the RI indicated the presence of metals, SVOCs (exclusively PAHs), some PCBs, and pesticides/herbicides at concentrations above the NYSDEC Subpart 375-6 UUSCOs. 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. Since the Site is currently fully fenced and will be fully fenced during construction activities, and access is controlled, potential contact with Site soil is restricted to remedial and construction contract workers at the Site performing ground intrusive activities in addition to trespassers and passersby (through potential particulate matter in the air). The general public will not be exposed to direct contact with Site soil. A CAMP and dust control measures (as needed) will be implemented during intrusive activities to minimize the potential for offsite exposures from soil/dust/vapor leaving the Site.

Substantial excavation will occur to remove on-Site contamination and to accommodate the future development. The proposed remedy will be described in the RAWP and will include addressing impacted soil through excavation and installation of a cover system. It is expected that the Site will be remediated for restricted residential use, some soil impacted above SCOs may remain in-place. The areas of the Site not remediated to restricted residential use standards will be covered as part of the remedial action.

6.2 Groundwater Exposure

As described above in Section 4.2.2, groundwater samples collected during the RI indicated that some SVOCs (exclusively PAHs), VOCs and some metals (naturally occurring) are present at concentrations above the NYSDEC AWQSGVs and that PFOS/PFOA are present at concentrations above the MCLs. 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. 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 on-Site buildings will be serviced by the public water supply. 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 4.2.3, soil vapor samples collected during the RI indicate the presence of petroleum-related VOCs at low concentrations across the Site and some chlorinated VOCs at relatively low concentrations, likely from an off-Site source. Individuals who perform ground intrusive work and passersby during the remedial action may be exposed to contaminated soil vapor. A CAMP and odor/vapor control measures (as needed) will be implemented during intrusive activities to minimize the potential for offsite exposures from vapors leaving the Site during the remedial action. Soil vapor intrusion will be evaluated for the Site and mitigation measures will be proposed, if needed.

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)	• Construction and remedial contractors can come into contact with soil if they complete ground intrusive work at the Site. • During remediation, remedial workers, trespassers, passersby, and utility workers could come into contact with contaminated soil contained in dust through inhalation, incidental ingestion and dermal contact. Implementation of the HASP, CAMP and dust controls during the remedial action and any future ground intrusive activities will mitigate potential exposures. • Future exposure will be addressed through the installation of a site cover system.
Ingestion of groundwater	• Groundwater is not and will be not used for drinking water, as any future buildings proposed on the Site will be 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. • Proper PPE and personal hygiene measures, as defined in the HASP, will be required to prevent dermal contact and the potential for incidental ingestion impacted groundwater during construction. • Future exposure to Site groundwater will be eliminated by the presence redevelopment that covers the entire Site.
Inhalation of air (exposures related to soil vapor intrusion)	• Remedial workers, trespassers, and utility workers may be exposed to contaminated soil vapor during ground intrusive activities beneath all buildings. • Exposures to workers and passersby during the remedial action and future ground intrusive activities will be reduced or eliminated through implementation of the HASP, CAMP and odor/vapor controls during construction. • Exposures to persons through soil vapor intrusion in figure on-site buildings. A Soil Vapor Intrusion will be evaluated for any new construction prior to building occupancy. • The future building will include a vapor/waterproofing barrier to prevent any soil vapor exposure, as needed.

7. Conclusions and Recommendations

The data collected during the RI (and Phase II ESA) and described in this report confirm and delineate AOCs for soil, groundwater, and soil vapor at the Site. The following section summarizes the AOCs for each matrix:

7.1 Soil Results

The Site is covered with 5 to 10 ft of urban fill. Soil samples indicate that the upper 3-4 ft of the fill contains SVOCs (primarily PAHs) and elevated metals (primarily lead and mercury) in exceedance of the SCOs (UUSCO, RRSCO, and/or PGWSCO). In some locations (north of NYC MTA Lot 19 an inside the warehouse), SCO exceedances also occur at lower depths to approximately 9 ft. Soil samples collected at deeper intervals (13-15ft and 15-17ft) had no exceedances of any compounds. The exceedances found in soil are attributed to typical urban fill across the Site. PFOA and PFOS concentrations were either non-detect or detected below the current NYSDEC guidance values.

7.2 Groundwater Results

Depth to groundwater at the Site varied from 5.15 ft bls to 9.01 ft bls. The direction of groundwater flow is to the west towards the East River. Groundwater samples detected SVOCs (primarily PAHs) exceeding the AWQSGVs in the majority of the samples, however these concentrations most likely reflect adsorbed SVOCs on turbid samples ad don't reflect dissolved concentrations. Limited VOCs were detected in some locations (near the former tank vault excavation area and the former oil storage building) at low to moderate levels. The metals exceedances in groundwater include iron, magnesium, manganese and sodium and are not a concern. PFOA and PFOS were detected at marginal concentrations in all samples.

7.3 Soil Vapor Results

Soil vapor samples detected a wide range of hydrocarbon compounds in almost every sample. Most of these soil vapor detections were low and were not found in groundwater or soil, with exception of two hydrocarbon VOCs (xylenes and benzene), which were found in groundwater at low concentrations in only two wells (MW-16 and GW-5). MW-16 is located near the former oil storage building at the center of the Site and GW-5 is located on the east side of the Site inside the current warehouse. These VOCs, however, were not found in soil. The chlorinated VOCs TCE and PCE were detected in most samples at low to moderate concentrations across the Site. These compounds were not detected onsite in soil or groundwater. The soil vapor detections are believed to originate from off-Site sources.

8. Reporting and Schedule

An estimated schedule is presented below for the remainder of the required elements of the BCP Program.

Task	Estimated Schedule
Submit Remedial Action Work Plan (RAWP)	30 days after NYSDEC approval of the RIR
NYSDEC and NYSDOH Review and Public Comment Period	45 days
Implement Remedial Action Plan	30 days following NYSDEC approval of the RAWP
Submit Final Engineering Report	TBD

TABLES

Table 1. Groundwater Gauging Data - 2-33 50th Avenue, Long Island City, New York

Monitoring Well	Date	Measuring Point Elevation* (ft NAVD88)	Depth To Water (ft bls)	Groundwater Elevation (ft NAVD88)	Comments
MW-12	8/6/2021	8.65	7.47	1.18	
MW-13	8/6/2021	8.75	7.45	1.30	
MW-14	8/6/2021	8.04	9.01	-0.97	
MW-15	8/6/2021	9.97	8.68	1.29	
MW-16	8/6/2021	10.00	8.78	1.22	
MW-18	8/6/2021	8.26	6.62	1.64	
MW-20	8/6/2021	7.71	5.15	2.56	
MW-21	8/6/2021	9.51	8.05	1.46	
MW-25	8/6/2021	8.82	7.60	1.22	
MW-26	8/6/2021	10.00	8.81	1.19	

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

Notes Utilized Throughout Tables
Soil Tables
J - Estimated value
U - Indicates that the compound was analyzed for but not detected
P - The RPD between the results for the two columns exceeds the method-specified criteria
I - The lower value for the two columns has been reported due to obvious interference
RPD - Relative Percent Difference
T - Indicates that a quality control parameter has exceeded laboratory limits
F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration
ft bls - Feet below land surface
FD - Duplicate sample
mg/kg - Milligrams per kilogram
ng/g - Nanograms per gram
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 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO
Per- and Polyfluoroalkyl Substances
GV - Guidance Values
Bold data indicates that parameter exceeded the NYSDEC Unrestricted Use Guidance Values
Shaded data indicates that parameter exceeded the NYSDEC Restricted Residential 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
B - The analyte was found in an associated blank as well as in the sample
F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration
FD - Duplicate
NA - Compound was not analyzed for by laboratory
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)
MCL - Maximum Contaminant Levels
Bold data indicates that parameter exceeded the NYSDEC Drinking Water 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
FD - Duplicate sample
ug/m3 - Micrograms per cubic meter
Bold data indicates that parameter was detected

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-11	RXSB-11	RXSB-11	RXSB-12	RXSB-12
				Sample Date:	07/14/2021	07/14/2021	07/14/2021	07/14/2021	07/14/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	1 - 3
				Normal Sample or Field Duplicate:	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.0007 U	0.00069 U	0.00072 U	0.00086 U	0.0007 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0007 U	0.00069 U	0.00072 U	0.00086 U	0.0007 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.0007 U	0.00069 U	0.00072 U	0.00086 U	0.0007 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U
1,1-Dichloropropene	--	--	--	MG/KG	0.0007 U	0.00069 U	0.00072 U	0.00086 U	0.0007 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0012 J
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0042 U	0.0041 U	0.0043 U	0.0052 U	0.0042 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0008 J
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.11 U	0.11 U	0.11 U	0.14 U	0.11 U
2,2-Dichloropropane	--	--	--	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
2-Chlorotoluene	--	--	--	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
2-Hexanone	--	--	--	MG/KG	0.014 U	0.014 U	0.014 U	0.017 U	0.014 U
4-Chlorotoluene	--	--	--	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
4-Ethyltoluene	--	--	--	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
Acetone	**0.05**	100	0.05	MG/KG	0.014 U	0.014 U	0.042	0.014 J	0.017
Acrylonitrile	--	--	--	MG/KG	0.0056 U	0.0055 U	0.0057 U	0.0069 U	0.0056 U
Benzene	0.06	4.8	0.06	MG/KG	0.0007 U	0.00069 U	0.00072 U	0.00086 U	0.0007 U
Bromobenzene	--	--	--	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
Bromochloromethane	--	--	--	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
Bromodichloromethane	--	--	--	MG/KG	0.0007 U	0.00069 U	0.00072 U	0.00086 U	0.0007 U
Bromoform	--	--	--	MG/KG	0.0056 U	0.0055 U	0.0057 U	0.0069 U	0.0056 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-11	RXSB-11	RXSB-11	RXSB-12	RXSB-12
				Sample Date:	07/14/2021	07/14/2021	07/14/2021	07/14/2021	07/14/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	1 - 3
				Normal Sample or Field Duplicate:	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Bromomethane	--	--	--	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
Carbon Disulfide	--	--	--	MG/KG	0.014 U	0.014 U	0.014 U	0.017 U	0.014 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0007 U	0.00069 U	0.00072 U	0.00086 U	0.0007 U
Chloroethane	--	--	--	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
Chloroform	0.37	49	0.37	MG/KG	0.0021 U	0.0021 U	0.0021 U	0.0026 U	0.0021 U
Chloromethane	--	--	--	MG/KG	0.0056 U	0.0055 U	0.0057 U	0.0069 U	0.0056 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.0007 U	0.00069 U	0.00072 U	0.00086 U	0.0007 U
Cymene	--	--	--	MG/KG	0.00041 J	0.0014 U	0.0014 U	0.0017 U	0.0014 U
Dibromochloromethane	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U
Dibromomethane	--	--	--	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.014 U	0.014 U	0.014 U	0.017 U	0.014 U
Dichloroethylenes	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
Ethylbenzene	1	41	1	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U
Hexachlorobutadiene	--	--	--	MG/KG	0.0056 U	0.0055 U	0.0057 U	0.0069 U	0.0056 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U
m,p-Xylene	--	--	--	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.014 U	0.014 U	0.0066 J	0.017 U	0.014 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.014 U	0.014 U	0.014 U	0.017 U	0.014 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.007 U	0.0069 U	0.0072 U	0.0086 U	0.007 U
Naphthalene	12	100	12	MG/KG	0.0028 J	0.0055 U	0.0057 U	0.0069 U	0.0069 J
N-Butylbenzene	12	100	12	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0011 J
Sec-Butylbenzene	11	100	11	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U
Styrene	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0028 U	0.0028 U	0.0029 U	0.0035 U	0.0028 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0007 U	0.00069 U	0.00072 U	0.00086 U	0.0007 U
Toluene	0.7	100	0.7	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.0007 U	0.00069 U	0.00072 U	0.00086 U	0.0007 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0021 U	0.0021 U	0.0021 U	0.0026 U	0.0021 U
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-11	RXSB-11	RXSB-11	RXSB-12	RXSB-12
				Sample Date:	07/14/2021	07/14/2021	07/14/2021	07/14/2021	07/14/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	1 - 3
				Normal Sample or Field Duplicate:	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.007 U	0.0069 U	0.0072 U	0.0086 U	0.007 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0007 U	0.00069 U	0.00072 U	0.00086 U	0.0007 U
Trichlorofluoromethane	--	--	--	MG/KG	0.0056 U	0.0055 U	0.0057 U	0.0069 U	0.0056 U
Vinyl Acetate	--	--	--	MG/KG	0.014 U	0.014 U	0.014 U	0.017 U	0.014 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0014 U
Xylenes	0.26	100	1.6	MG/KG	0.0014 U	0.0014 U	0.0014 U	0.0017 U	0.0011 J

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-12	RXSB-12	RXSB-13	RXSB-13	RXSB-13
				Sample Date:	07/14/2021	07/14/2021	07/12/2021	07/12/2021	07/19/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.00062 U	0.00069 U	0.00066 U	0.0008 U	0.00064 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.00062 U	0.00069 U	0.00066 U	0.0008 U	0.00064 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.00062 U	0.00069 U	0.00066 U	0.0008 U	0.00064 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0012 U	0.0014 U	0.0013 U	0.0016 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0012 U	0.0014 U	0.0013 U	0.0016 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0012 U	0.0014 U	0.0013 U	0.0016 U	0.0013 U
1,1-Dichloropropene	--	--	--	MG/KG	0.00062 U	0.00069 U	0.00066 U	0.0008 U	0.00064 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0025 U	0.0028 U	0.0026 U	0.0032 U	0.0026 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0025 U	0.0028 U	0.0026 U	0.0032 U	0.0026 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0025 U	0.0028 U	0.0032	0.0028 J	0.0026 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0025 U	0.0028 U	0.0026 U	0.0032 U	0.0026 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0025 U	0.0028 U	0.0038	0.0034	0.0026 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0037 U	0.0041 U	0.004 U	0.0048 U	0.0038 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0012 U	0.0014 U	0.0013 U	0.0016 U	0.0013 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0025 U	0.0028 U	0.0026 U	0.0032 U	0.0026 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0012 U	0.0014 U	0.0013 U	0.0016 U	0.0013 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0012 U	0.0014 U	0.0013 U	0.0016 U	0.0013 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0025 U	0.0028 U	0.0024 J	0.00095 J	0.0026 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0025 U	0.0028 U	0.0026 U	0.0032 U	0.0026 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0025 U	0.0028 U	0.0026 U	0.0032 U	0.0026 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0025 U	0.0028 U	0.0026 U	0.0032 U	0.0026 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0025 U	0.0028 U	0.0046	0.00068 J	0.0026 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.099 U	0.11 U	0.1 U	0.13 U	0.1 U
2,2-Dichloropropane	--	--	--	MG/KG	0.0025 U	0.0028 U	0.0026 U	0.0032 U	0.0026 U
2-Chlorotoluene	--	--	--	MG/KG	0.0025 U	0.0028 U	0.0026 U	0.0032 U	0.0026 U
2-Hexanone	--	--	--	MG/KG	0.012 U	0.014 U	0.013 U	0.016 U	0.013 U
4-Chlorotoluene	--	--	--	MG/KG	0.0025 U	0.0028 U	0.0026 U	0.0032 U	0.0026 U
4-Ethyltoluene	--	--	--	MG/KG	0.0025 U	0.0028 U	0.00093 J	0.0017 J	0.0026 U
Acetone	**0.05**	100	0.05	MG/KG	0.012 U	0.026	0.019	0.03	0.016
Acrylonitrile	--	--	--	MG/KG	0.0049 U	0.0055 U	0.0053 U	0.0064 U	0.0051 U
Benzene	0.06	4.8	0.06	MG/KG	0.00062 U	0.00069 U	0.00066 U	0.0054	0.00064 U
Bromobenzene	--	--	--	MG/KG	0.0025 U	0.0028 U	0.0026 U	0.0032 U	0.0026 U
Bromochloromethane	--	--	--	MG/KG	0.0025 U	0.0028 U	0.0026 U	0.0032 U	0.0026 U
Bromodichloromethane	--	--	--	MG/KG	0.00062 U	0.00069 U	0.00066 U	0.0008 U	0.00064 U
Bromoform	--	--	--	MG/KG	0.0049 U	0.0055 U	0.0053 U	0.0064 U	0.0051 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-12	RXSB-12	RXSB-13	RXSB-13	RXSB-13
				Sample Date:	07/14/2021	07/14/2021	07/12/2021	07/12/2021	07/19/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Bromomethane	--	--	--	MG/KG	0.0025 U	0.0028 U	0.0026 U	0.0032 U	0.0026 U
Carbon Disulfide	--	--	--	MG/KG	0.012 U	0.014 U	0.013 U	0.016 U	0.013 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0012 U	0.0014 U	0.0013 U	0.0016 U	0.0013 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.00062 U	0.00069 U	0.00066 U	0.0008 U	0.00064 U
Chloroethane	--	--	--	MG/KG	0.0025 U	0.0028 U	0.0026 U	0.0032 U	0.0026 U
Chloroform	0.37	49	0.37	MG/KG	0.0018 U	0.0021 U	0.002 U	0.0024 U	0.0019 U
Chloromethane	--	--	--	MG/KG	0.0049 U	0.0055 U	0.0053 U	0.0064 U	0.0051 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0012 U	0.0014 U	0.0013 U	0.0016 U	0.0013 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.00062 U	0.00069 U	0.00066 U	0.0008 U	0.00064 U
Cymene	--	--	--	MG/KG	0.0012 U	0.0014 U	0.00045 J	0.00044 J	0.0013 U
Dibromochloromethane	--	--	--	MG/KG	0.0012 U	0.0014 U	0.0013 U	0.0016 U	0.0013 U
Dibromomethane	--	--	--	MG/KG	0.0025 U	0.0028 U	0.0026 U	0.0032 U	0.0026 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.012 U	0.014 U	0.013 U	0.016 U	0.013 U
Dichloroethylenes	--	--	--	MG/KG	0.0012 U	0.0014 U	0.0013 U	0.0016 U	0.0013 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0025 U	0.0028 U	0.0026 U	0.0032 U	0.0026 U
Ethylbenzene	1	41	1	MG/KG	0.0012 U	0.0014 U	0.0003 J	0.0011 J	0.0013 U
Hexachlorobutadiene	--	--	--	MG/KG	0.0049 U	0.0055 U	0.0053 U	0.0064 U	0.0051 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0012 U	0.0014 U	0.0019	0.0019	0.0013 U
m,p-Xylene	--	--	--	MG/KG	0.0025 U	0.0028 U	0.0024 J	0.00098 J	0.0026 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.012 U	0.014 U	0.013 U	0.016 U	0.013 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.012 U	0.014 U	0.013 U	0.016 U	0.013 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0062 U	0.0069 U	0.0066 U	0.008 U	0.0064 U
Naphthalene	12	100	12	MG/KG	0.0049 U	0.0055 U	0.014	0.008	0.0051 U
N-Butylbenzene	12	100	12	MG/KG	0.0012 U	0.0014 U	0.00096 J	0.00039 J	0.0013 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0012 U	0.0014 U	0.00093 J	0.00069 J	0.0013 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0012 U	0.0014 U	0.00041 J	0.0016 U	0.0013 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0012 U	0.0014 U	0.0039	0.0038	0.0013 U
Styrene	--	--	--	MG/KG	0.0012 U	0.0014 U	0.0013 U	0.00039 J	0.0013 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0025 U	0.0028 U	0.00077 J	0.0034	0.0026 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0025 U	0.0028 U	0.0026 U	0.0032 U	0.0026 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.00062 U	0.00069 U	0.00066 U	0.0008 U	0.00064 U
Toluene	0.7	100	0.7	MG/KG	0.0012 U	0.0014 U	0.0013 U	0.0023	0.0014
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.00062 U	0.00069 U	0.00066 U	0.0008 U	0.00064 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0018 U	0.0021 U	0.002 U	0.0024 U	0.0019 U
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0012 U	0.0014 U	0.0013 U	0.0016 U	0.0013 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-12	RXSB-12	RXSB-13	RXSB-13	RXSB-13
				Sample Date:	07/14/2021	07/14/2021	07/12/2021	07/12/2021	07/19/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0062 U	0.0069 U	0.0066 U	0.008 U	0.0064 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.00062 U	0.00069 U	0.00043 J	0.0008 U	0.00064 U
Trichlorofluoromethane	--	--	--	MG/KG	0.0049 U	0.0055 U	0.0053 U	0.0064 U	0.0051 U
Vinyl Acetate	--	--	--	MG/KG	0.012 U	0.014 U	0.013 U	0.016 U	0.013 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0012 U	0.0014 U	0.0013 U	0.0016 U	0.0013 U
Xylenes	0.26	100	1.6	MG/KG	0.0012 U	0.0014 U	0.0028 J	0.00098 J	0.0013 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-14	RXSB-14	RXSB-14	RXSB-15	RXSB-15
				Sample Date:	07/12/2021	07/12/2021	07/12/2021	07/12/2021	07/12/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	7 - 9
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.00054 U	0.00074 U	0.00055 U	0.00062 U	0.00056 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.00054 U	0.00074 U	0.00055 U	0.00062 U	0.00056 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.00054 U	0.00074 U	0.00055 U	0.00062 U	0.00056 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0011 U	0.0015 U	0.0011 U	0.0012 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0011 U	0.0015 U	0.0011 U	0.0012 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0011 U	0.0015 U	0.0011 U	0.0012 U	0.0011 U
1,1-Dichloropropene	--	--	--	MG/KG	0.00054 U	0.00074 U	0.00055 U	0.00062 U	0.00056 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0022 U	0.003 U	0.0022 U	0.0025 U	0.0023 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0022 U	0.003 U	0.0022 U	0.0025 U	0.0023 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0058	0.0068	0.00096 J	0.0025 U	0.045 J+
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0022 U	0.003 U	0.0022 U	0.0025 U	0.0023 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.001 J	0.003 U	0.0022 U	0.0025 U	0.0005 J+
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0033 U	0.0044 U	0.0033 U	0.0037 U	0.0034 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0011 U	0.0015 U	0.0011 U	0.0012 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0022 U	0.00033 J	0.0022 U	0.0025 U	0.0023 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0011 U	0.0015 U	0.0011 U	0.0012 U	0.0011 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0011 U	0.0015 U	0.0011 U	0.0012 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.00043 J	0.003 U	0.0022 U	0.0025 U	0.0023 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0022 U	0.003 U	0.0022 U	0.0025 U	0.0023 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0022 U	0.003 U	0.0022 U	0.0025 U	0.0023 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0022 U	0.003 U	0.0022 U	0.0025 U	0.0023 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0018 J	0.003 U	0.0022 U	0.0025 U	0.007 J+
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.087 U	0.12 U	0.088 U	0.098 U	0.09 U
2,2-Dichloropropane	--	--	--	MG/KG	0.0022 U	0.003 U	0.0022 U	0.0025 U	0.0023 U
2-Chlorotoluene	--	--	--	MG/KG	0.0022 U	0.003 U	0.0022 U	0.0025 U	0.0023 U
2-Hexanone	--	--	--	MG/KG	0.011 U	0.015 U	0.011 U	0.012 U	0.011 U
4-Chlorotoluene	--	--	--	MG/KG	0.0022 U	0.003 U	0.0022 U	0.0025 U	0.0023 U
4-Ethyltoluene	--	--	--	MG/KG	0.00052 J	0.003 U	0.0022 U	0.0025 U	0.0023 U
Acetone	**0.05**	100	0.05	MG/KG	0.011 U	**0.054**	0.02	0.0073 J	0.026 J+
Acrylonitrile	--	--	--	MG/KG	0.0044 U	0.0059 U	0.0044 U	0.0049 U	0.0045 U
Benzene	0.06	4.8	0.06	MG/KG	0.00054 U	0.00074 U	0.0002 J	0.00062 U	0.00056 U
Bromobenzene	--	--	--	MG/KG	0.0022 U	0.003 U	0.0022 U	0.0025 U	0.0023 U
Bromochloromethane	--	--	--	MG/KG	0.0022 U	0.003 U	0.0022 U	0.0025 U	0.0023 U
Bromodichloromethane	--	--	--	MG/KG	0.00054 U	0.00074 U	0.00055 U	0.00062 U	0.00056 U
Bromoform	--	--	--	MG/KG	0.0044 U	0.0059 U	0.0044 U	0.0049 U	0.0045 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-14	RXSB-14	RXSB-14	RXSB-15	RXSB-15
				Sample Date:	07/12/2021	07/12/2021	07/12/2021	07/12/2021	07/12/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	7 - 9
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Bromomethane	--	--	--	MG/KG	0.0022 U	0.003 U	0.0022 U	0.0025 U	0.0023 U
Carbon Disulfide	--	--	--	MG/KG	0.011 U	0.015 U	0.011 U	0.012 U	0.011 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0011 U	0.0015 U	0.0011 U	0.0012 U	0.0011 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.00054 U	0.00074 U	0.00055 U	0.00062 U	0.00056 U
Chloroethane	--	--	--	MG/KG	0.0022 U	0.003 U	0.0022 U	0.0025 U	0.0023 U
Chloroform	0.37	49	0.37	MG/KG	0.0016 U	0.0022 U	0.0016 U	0.0018 U	0.0017 U
Chloromethane	--	--	--	MG/KG	0.0044 U	0.0059 U	0.0044 U	0.0049 U	0.0045 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0011 U	0.0015 U	0.0011 U	0.0012 U	0.0011 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.00054 U	0.00074 U	0.00055 U	0.00062 U	0.00056 U
Cymene	--	--	--	MG/KG	0.0011 U	0.0015 U	0.0011 U	0.0012 U	0.00014 J+
Dibromochloromethane	--	--	--	MG/KG	0.0011 U	0.0015 U	0.0011 U	0.0012 U	0.0011 U
Dibromomethane	--	--	--	MG/KG	0.0022 U	0.003 U	0.0022 U	0.0025 U	0.0023 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.011 U	0.015 U	0.011 U	0.012 U	0.011 U
Dichloroethylenes	--	--	--	MG/KG	0.0011 U	0.0015 U	0.0011 U	0.0012 U	0.0011 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0022 U	0.003 U	0.0022 U	0.0025 U	0.0023 U
Ethylbenzene	1	41	1	MG/KG	0.0011 U	0.0015 U	0.0011 U	0.0012 U	0.0011 U
Hexachlorobutadiene	--	--	--	MG/KG	0.0044 U	0.0059 U	0.0044 U	0.0049 U	0.0045 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.00014 J	0.0015 U	0.00036 J	0.0003 J	0.0041 J+
m,p-Xylene	--	--	--	MG/KG	0.0022 U	0.003 U	0.0022 U	0.0025 U	0.0023 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.011 U	0.0088 J	0.011 U	0.012 U	0.011 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.011 U	0.015 U	0.011 U	0.012 U	0.011 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0054 U	0.0074 U	0.0055 U	0.0062 U	0.0056 U
Naphthalene	12	100	12	MG/KG	0.0028 J	0.0034 J	0.0044 U	0.0049 U	0.0029 J+
N-Butylbenzene	12	100	12	MG/KG	0.0011 U	0.00045 J	0.0011 U	0.0012 U	0.01 J+
N-Propylbenzene	3.9	100	3.9	MG/KG	0.00022 J	0.0015 U	0.00019 J	0.00022 J	0.006 J+
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0011 U	0.0015 U	0.0011 U	0.0012 U	0.0011 U
Sec-Butylbenzene	11	100	11	MG/KG	0.00041 J	0.0019	0.00034 J	0.00044 J	0.016 J+
Styrene	--	--	--	MG/KG	0.0011 U	0.0015 U	0.0011 U	0.0012 U	0.0011 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0022 U	0.00082 J	0.00026 J	0.0025 U	0.0051 J+
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0022 U	0.003 U	0.0022 U	0.0025 U	0.0023 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.00054 U	0.00074 U	0.00055 U	0.00062 U	0.00056 U
Toluene	0.7	100	0.7	MG/KG	0.0011 U	0.0015 U	0.0011 U	0.0012 U	0.0011 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.00054 U	0.00074 U	0.00055 U	0.00062 U	0.00056 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0016 U	0.0022 U	0.0016 U	0.0018 U	0.0017 U
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0011 U	0.0015 U	0.0011 U	0.0012 U	0.0011 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-14	RXSB-14	RXSB-14	RXSB-15	RXSB-15
				Sample Date:	07/12/2021	07/12/2021	07/12/2021	07/12/2021	07/12/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	7 - 9
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0054 U	0.0074 U	0.0055 U	0.0062 U	0.0056 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.00054 U	0.00074 U	0.00055 U	0.00052 J	0.00056 U
Trichlorofluoromethane	--	--	--	MG/KG	0.0044 U	0.0059 U	0.0044 U	0.0049 U	0.0045 U
Vinyl Acetate	--	--	--	MG/KG	0.011 U	0.015 U	0.011 U	0.012 U	0.011 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0011 U	0.0015 U	0.0011 U	0.0012 U	0.0011 U
Xylenes	0.26	100	1.6	MG/KG	0.0011 U	0.0015 U	0.0011 U	0.0012 U	0.0011 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-15	RXSB-16	RXSB-16	RXSB-16	RXSB-16
				Sample Date:	07/12/2021	07/14/2021	07/14/2021	07/14/2021	07/14/2021
				Sample Depth (ft bls):	13 - 15	1 - 3	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.034 U	0.0012 U	0.00095 U	0.00059 U	0.00066 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.034 U	0.0012 U	0.00095 U	0.00059 U	0.00066 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.034 U	0.0012 U	0.00095 U	0.00059 U	0.00066 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.069 U	0.0024 U	0.0019 U	0.0012 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.069 U	0.0024 U	0.0019 U	0.0012 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.069 U	0.0024 U	0.0019 U	0.0012 U	0.0013 U
1,1-Dichloropropene	--	--	--	MG/KG	0.034 U	0.0012 U	0.00095 U	0.00059 U	0.00066 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.14 U	0.0047 U	0.0038 U	0.0024 U	0.0026 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.14 U	0.0047 U	0.0038 U	0.0024 U	0.0026 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	2.4 J+	0.0047 U	0.0038 U	0.0024 U	0.0026 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.14 U	0.0047 U	0.0038 U	0.0024 U	0.0026 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.023 J+	0.0047 U	0.0038 U	0.0009 J	0.0026 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.21 U	0.0071 U	0.0057 U	0.0036 U	0.004 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.069 U	0.0024 U	0.0019 U	0.0012 U	0.0013 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.14 U	0.0047 U	0.0038 U	0.0024 U	0.0026 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.069 U	0.0024 U	0.0019 U	0.0012 U	0.0013 U
1,2-Dichloropropane	--	--	--	MG/KG	0.069 U	0.0024 U	0.0019 U	0.0012 U	0.0013 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.14 U	0.0047 U	0.0038 U	0.00047 J	0.0026 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.14 U	0.0047 U	0.0038 U	0.0024 U	0.0026 U
1,3-Dichloropropane	--	--	--	MG/KG	0.14 U	0.0047 U	0.0038 U	0.0024 U	0.0026 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.14 U	0.0047 U	0.0038 U	0.0024 U	0.0026 U
1,4-Diethyl Benzene	--	--	--	MG/KG	1.4 J+	0.0047 U	0.0038 U	0.0024 U	0.0026 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	5.5 U	0.19 U	0.15 U	0.095 U	0.11 U
2,2-Dichloropropane	--	--	--	MG/KG	0.14 U	0.0047 U	0.0038 U	0.0024 U	0.0026 U
2-Chlorotoluene	--	--	--	MG/KG	0.14 U	0.0047 U	0.0038 U	0.0024 U	0.0026 U
2-Hexanone	--	--	--	MG/KG	0.69 U	0.024 U	0.019 U	0.012 U	0.013 U
4-Chlorotoluene	--	--	--	MG/KG	0.14 U	0.0047 U	0.0038 U	0.0024 U	0.0026 U
4-Ethyltoluene	--	--	--	MG/KG	0.14 U	0.0047 U	0.0038 U	0.00076 J	0.0026 U
Acetone	**0.05**	100	0.05	MG/KG	0.69 U	0.024 U	0.019 U	**0.061**	0.016
Acrylonitrile	--	--	--	MG/KG	0.28 U	0.0095 U	0.0076 U	0.0047 U	0.0053 U
Benzene	0.06	4.8	0.06	MG/KG	0.034 U	0.0012 U	0.00095 U	0.00059 U	0.00066 U
Bromobenzene	--	--	--	MG/KG	0.14 U	0.0047 U	0.0038 U	0.0024 U	0.0026 U
Bromochloromethane	--	--	--	MG/KG	0.14 U	0.0047 U	0.0038 U	0.0024 U	0.0026 U
Bromodichloromethane	--	--	--	MG/KG	0.034 U	0.0012 U	0.00095 U	0.00059 U	0.00066 U
Bromoform	--	--	--	MG/KG	0.28 U	0.0095 U	0.0076 U	0.0047 U	0.0053 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-15	RXSB-16	RXSB-16	RXSB-16	RXSB-16
				Sample Date:	07/12/2021	07/14/2021	07/14/2021	07/14/2021	07/14/2021
				Sample Depth (ft bls):	13 - 15	1 - 3	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Bromomethane	--	--	--	MG/KG	0.14 U	0.0047 U	0.0038 U	0.0024 U	0.0026 U
Carbon Disulfide	--	--	--	MG/KG	0.69 U	0.024 U	0.019 U	0.012 U	0.01 J
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.069 U	0.0024 U	0.0019 U	0.0012 U	0.0013 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.034 U	0.0012 U	0.00095 U	0.00059 U	0.00066 U
Chloroethane	--	--	--	MG/KG	0.14 U	0.0047 U	0.0038 U	0.0024 U	0.0026 U
Chloroform	0.37	49	0.37	MG/KG	0.1 U	0.0036 U	0.0028 U	0.0018 U	0.002 U
Chloromethane	--	--	--	MG/KG	0.28 U	0.0095 U	0.0076 U	0.0047 U	0.0053 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.069 U	0.0024 U	0.0019 U	0.0012 U	0.0013 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.034 U	0.0012 U	0.00095 U	0.00059 U	0.00066 U
Cymene	--	--	--	MG/KG	0.0092 J+	0.0024 U	0.0019 U	0.13	0.00027 J
Dibromochloromethane	--	--	--	MG/KG	0.069 U	0.0024 U	0.0019 U	0.0012 U	0.0013 U
Dibromomethane	--	--	--	MG/KG	0.14 U	0.0047 U	0.0038 U	0.0024 U	0.0026 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.69 U	0.024 U	0.019 U	0.012 U	0.013 U
Dichloroethylenes	--	--	--	MG/KG	0.069 U	0.0024 U	0.0019 U	0.0012 U	0.0013 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.14 U	0.0047 U	0.0038 U	0.0024 U	0.0026 U
Ethylbenzene	1	41	1	MG/KG	0.069 U	0.0024 U	0.0019 U	0.00033 J	0.0013 U
Hexachlorobutadiene	--	--	--	MG/KG	0.28 U	0.0095 U	0.0076 U	0.0047 U	0.0053 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.83 J+	0.0024 U	0.0019 U	0.0012 U	0.0013 U
m,p-Xylene	--	--	--	MG/KG	0.14 U	0.0047 U	0.0038 U	0.0018 J	0.0026 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.69 U	0.024 U	0.019 U	0.0034 J	0.013 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.69 U	0.024 U	0.019 U	0.012 U	0.013 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.34 U	0.012 U	0.0095 U	0.0033 J	0.0066 U
Naphthalene	12	100	12	MG/KG	0.1 J+	0.0041 J	0.0013 J	0.0047 U	0.0053 U
N-Butylbenzene	12	100	12	MG/KG	1.6 J+	0.0024 U	0.0019 U	0.0012 U	0.0013 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.58 J+	0.0024 U	0.0019 U	0.0012 U	0.0013 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.069 U	0.0024 U	0.0019 U	0.00052 J	0.0013 U
Sec-Butylbenzene	11	100	11	MG/KG	4 J+	0.0024 U	0.0019 U	0.0012 U	0.0013 U
Styrene	--	--	--	MG/KG	0.069 U	0.0024 U	0.0019 U	0.0012 U	0.0013 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.61 J+	0.0047 U	0.0038 U	0.0024 U	0.0026 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.14 U	0.0047 U	0.0038 U	0.0024 U	0.0026 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.034 U	0.0012 U	0.00095 U	0.00059 U	0.00066 U
Toluene	0.7	100	0.7	MG/KG	0.069 U	0.0024 U	0.0019 U	0.0012 U	0.0013 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.034 U	0.0012 U	0.00095 U	0.00059 U	0.00066 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.1 U	0.0036 U	0.0028 U	0.0018 U	0.002 U
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.069 U	0.0024 U	0.0019 U	0.0012 U	0.0013 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-15	RXSB-16	RXSB-16	RXSB-16	RXSB-16
			Sample Date:		07/12/2021	07/14/2021	07/14/2021	07/14/2021	07/14/2021
			Sample Depth (ft bls):		13 - 15	1 - 3	1 - 3	7 - 9	13 - 15
			Normal Sample or Field Duplicate:		N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.34 U	0.012 U	0.0095 U	0.0059 U	0.0066 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.034 U	0.0012 U	0.00095 U	0.00059 U	0.00066 U
Trichlorofluoromethane	--	--	--	MG/KG	0.28 U	0.0095 U	0.0076 U	0.0047 U	0.0053 U
Vinyl Acetate	--	--	--	MG/KG	0.69 U	0.024 U	0.019 U	0.012 U	0.013 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.069 U	0.0024 U	0.0019 U	0.0012 U	0.0013 U
Xylenes	0.26	100	1.6	MG/KG	0.069 U	0.0024 U	0.0019 U	0.0023 J	0.0013 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-17	RXSB-17	RXSB-17	RXSB-18	RXSB-18
				Sample Date:	07/20/2021	07/21/2021	07/21/2021	07/21/2021	07/21/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	1 - 3
				Normal Sample or Field Duplicate:	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.00071 U	0.00067 U	0.00058 U	0.00058 UJ	0.00078 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.00071 U	0.00067 U	0.00058 U	0.00058 UJ	0.00078 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.00071 U	0.00067 U	0.00058 U	0.00058 UJ	0.00078 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 U
1,1-Dichloropropene	--	--	--	MG/KG	0.00071 U	0.00067 U	0.00058 U	0.00058 UJ	0.00078 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0042 U	0.004 U	0.0034 U	0.0035 UJ	0.0047 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.11 U	0.11 U	0.092 U	0.093 UJ	0.12 U
2,2-Dichloropropane	--	--	--	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 U
2-Chlorotoluene	--	--	--	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 UJ
2-Hexanone	--	--	--	MG/KG	0.014 U	0.013 U	0.012 U	0.012 UJ	0.016 UJ
4-Chlorotoluene	--	--	--	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 UJ
4-Ethyltoluene	--	--	--	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 UJ
Acetone	**0.05**	100	0.05	MG/KG	0.028 J	0.013 U	0.011 J	**0.095 J-**	**0.12 J-**
Acrylonitrile	--	--	--	MG/KG	0.0057 U	0.0054 U	0.0046 U	0.0046 UJ	0.0063 UJ
Benzene	0.06	4.8	0.06	MG/KG	0.00071 U	0.00067 U	0.00058 U	0.00058 UJ	0.00078 UJ
Bromobenzene	--	--	--	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 UJ
Bromochloromethane	--	--	--	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 UJ
Bromodichloromethane	--	--	--	MG/KG	0.00071 U	0.00067 U	0.00058 U	0.00058 UJ	0.00078 UJ
Bromoform	--	--	--	MG/KG	0.0057 U	0.0054 U	0.0046 U	0.0046 UJ	0.0063 UJ

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-17	RXSB-17	RXSB-17	RXSB-18	RXSB-18
				Sample Date:	07/20/2021	07/21/2021	07/21/2021	07/21/2021	07/21/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	1 - 3
				Normal Sample or Field Duplicate:	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Bromomethane	--	--	--	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 UJ
Carbon Disulfide	--	--	--	MG/KG	0.014 U	0.013 U	0.012 U	0.012 UJ	0.016 UJ
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 UJ
Chlorobenzene	1.1	100	1.1	MG/KG	0.00071 U	0.00067 U	0.00058 U	0.00058 UJ	0.00078 UJ
Chloroethane	--	--	--	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 UJ
Chloroform	0.37	49	0.37	MG/KG	0.00022 J	0.002 U	0.0017 U	0.0017 UJ	0.0024 UJ
Chloromethane	--	--	--	MG/KG	0.0057 U	0.0054 U	0.0046 U	0.0046 UJ	0.0063 UJ
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 UJ
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.00071 U	0.00067 U	0.00058 U	0.00058 UJ	0.00078 UJ
Cymene	--	--	--	MG/KG	0.0013 J	0.00026 J	0.0012 U	0.0008 J-	0.00044 J-
Dibromochloromethane	--	--	--	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 UJ
Dibromomethane	--	--	--	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 UJ
Dichlorodifluoromethane	--	--	--	MG/KG	0.014 U	0.013 U	0.012 U	0.012 UJ	0.016 UJ
Dichloroethylenes	--	--	--	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 UJ
Ethylbenzene	1	41	1	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 UJ
Hexachlorobutadiene	--	--	--	MG/KG	0.0057 U	0.0054 U	0.0046 U	0.0046 UJ	0.0063 UJ
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 UJ
m,p-Xylene	--	--	--	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 UJ
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.014 U	0.013 U	0.012 U	0.012 UJ	0.016 UJ
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.014 U	0.013 U	0.012 U	0.012 UJ	0.016 UJ
Methylene Chloride	0.05	100	0.05	MG/KG	0.0071 U	0.0067 U	0.0058 U	0.0058 UJ	0.0078 UJ
Naphthalene	12	100	12	MG/KG	0.0057 U	0.0054 U	0.0046 U	0.033 J-	0.019 J-
N-Butylbenzene	12	100	12	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 UJ
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 UJ
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 UJ
Sec-Butylbenzene	11	100	11	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 UJ
Styrene	--	--	--	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 UJ
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 UJ
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0028 U	0.0027 U	0.0023 U	0.0023 UJ	0.0031 UJ
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.001 J	0.00067 U	0.00058 U	0.00058 UJ	0.00078 UJ
Toluene	0.7	100	0.7	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 UJ
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.00071 U	0.00067 U	0.00058 U	0.00058 UJ	0.00078 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0021 U	0.002 U	0.0017 U	0.0017 UJ	0.0024 UJ
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 UJ

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-17	RXSB-17	RXSB-17	RXSB-18	RXSB-18
				Sample Date:	07/20/2021	07/21/2021	07/21/2021	07/21/2021	07/21/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	1 - 3
				Normal Sample or Field Duplicate:	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0071 U	0.0067 U	0.0058 U	0.0058 UJ	0.0078 UJ
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.00022 J	0.00067 U	0.00058 U	0.00058 UJ	0.00078 UJ
Trichlorofluoromethane	--	--	--	MG/KG	0.0057 U	0.0054 U	0.0046 U	0.0046 UJ	0.0063 UJ
Vinyl Acetate	--	--	--	MG/KG	0.014 U	0.013 U	0.012 U	0.012 UJ	0.016 UJ
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 UJ
Xylenes	0.26	100	1.6	MG/KG	0.0014 U	0.0013 U	0.0012 U	0.0012 UJ	0.0016 UJ

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-18	RXSB-18	RXSB-19	RXSB-19	RXSB-19
				Sample Date:	07/28/2021	07/28/2021	07/26/2021	07/27/2021	07/27/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.00063 U	0.00064 U	0.0008 U	0.00068 U	0.00062 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.00063 U	0.00064 U	0.0008 U	0.00068 U	0.00062 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.00063 U	0.00064 U	0.0008 U	0.00068 U	0.00062 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.0012 U
1,1-Dichloropropene	--	--	--	MG/KG	0.00063 U	0.00064 U	0.0008 U	0.00068 U	0.00062 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0025 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0025 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0011 J
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0025 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0041 J
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0038 U	0.0038 U	0.0048 U	0.0041 U	0.0037 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0025 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.0012 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.00027 J
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0025 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0025 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0025 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0025 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.1 U	0.1 U	0.13 U	0.11 U	0.099 U
2,2-Dichloropropane	--	--	--	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0025 U
2-Chlorotoluene	--	--	--	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0025 U
2-Hexanone	--	--	--	MG/KG	0.012 U	0.013 U	0.016 U	0.014 U	0.012 U
4-Chlorotoluene	--	--	--	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0025 U
4-Ethyltoluene	--	--	--	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.001 J
Acetone	**0.05**	100	0.05	MG/KG	0.036	0.015	0.018	0.01 J	0.03 J
Acrylonitrile	--	--	--	MG/KG	0.005 U	0.0051 U	0.0064 U	0.0054 U	0.0049 U
Benzene	0.06	4.8	0.06	MG/KG	0.00063 U	0.00064 U	0.0008 U	0.00068 U	0.00032 J
Bromobenzene	--	--	--	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0025 U
Bromochloromethane	--	--	--	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0025 U
Bromodichloromethane	--	--	--	MG/KG	0.00063 U	0.00064 U	0.0008 U	0.00068 U	0.00062 U
Bromoform	--	--	--	MG/KG	0.005 U	0.0051 U	0.0064 U	0.0054 U	0.0049 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-18	RXSB-18	RXSB-19	RXSB-19	RXSB-19
				Sample Date:	07/28/2021	07/28/2021	07/26/2021	07/27/2021	07/27/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Bromomethane	--	--	--	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0025 U
Carbon Disulfide	--	--	--	MG/KG	0.012 U	0.013 U	0.016 U	0.014 U	0.012 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.0012 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.00063 U	0.00064 U	0.0008 U	0.00068 U	0.00062 U
Chloroethane	--	--	--	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0025 U
Chloroform	0.37	49	0.37	MG/KG	0.0019 U	0.0019 U	0.00032 J	0.00033 J	0.0018 U
Chloromethane	--	--	--	MG/KG	0.005 U	0.0051 U	0.0064 U	0.0054 U	0.0049 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.0012 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.00063 U	0.00064 U	0.0008 U	0.00068 U	0.00062 U
Cymene	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.00042 J	0.0012 U
Dibromochloromethane	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.0012 U
Dibromomethane	--	--	--	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0025 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.012 U	0.013 U	0.016 U	0.014 U	0.012 U
Dichloroethylenes	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.0012 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0025 U
Ethylbenzene	1	41	1	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.00096 J
Hexachlorobutadiene	--	--	--	MG/KG	0.005 U	0.0051 U	0.0064 U	0.0054 U	0.0049 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.0016 J
m,p-Xylene	--	--	--	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0038 J
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.012 U	0.013 U	0.016 U	0.014 U	0.012 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.012 U	0.013 U	0.016 U	0.014 U	0.012 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0063 U	0.0064 U	0.008 U	0.0068 U	0.0062 U
Naphthalene	12	100	12	MG/KG	0.005 U	0.0051 U	0.0064 U	0.0054 U	0.041 J
N-Butylbenzene	12	100	12	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.0012 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.00066 J
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.0057 J
Sec-Butylbenzene	11	100	11	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.0012 U
Styrene	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.0012 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0025 U	0.0026 U	0.0032 U	0.0027 U	0.0025 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0025 U	0.0018 J	0.0032 U	0.0027 U	0.067 J
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.00063 U	0.00064 U	0.0008 U	0.00068 U	0.00062 U
Toluene	0.7	100	0.7	MG/KG	0.0012 U	0.0013 U	0.00091 J	0.0014 U	0.00077 J
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.00063 U	0.00064 U	0.0008 U	0.00068 U	0.00062 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0019 U	0.0019 U	0.0024 U	0.002 U	0.0018 U
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.0012 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-18	RXSB-18	RXSB-19	RXSB-19	RXSB-19
				Sample Date:	07/28/2021	07/28/2021	07/26/2021	07/27/2021	07/27/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0063 U	0.0064 U	0.008 U	0.0068 U	0.0062 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.00063 U	0.00064 U	0.0008 U	0.00068 U	0.00062 U
Trichlorofluoromethane	--	--	--	MG/KG	0.005 U	0.0051 U	0.0064 U	0.0054 U	0.0049 U
Vinyl Acetate	--	--	--	MG/KG	0.012 U	0.013 U	0.016 U	0.014 U	0.012 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.0012 U
Xylenes	0.26	100	1.6	MG/KG	0.0012 U	0.0013 U	0.0016 U	0.0014 U	0.0095 J

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-20	RXSB-20	RXSB-20	RXSB-21	RXSB-21
				Sample Date:	07/27/2021	07/27/2021	07/27/2021	07/22/2021	07/22/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	7 - 9
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.00073 U	0.00068 U	0.00062 U	0.00065 U	0.00057 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.00073 U	0.00068 U	0.00062 U	0.00065 U	0.00057 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.00073 U	0.00068 U	0.00062 U	0.00065 U	0.00057 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U
1,1-Dichloropropene	--	--	--	MG/KG	0.00073 U	0.00068 U	0.00062 U	0.00065 U	0.00057 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.00098 J	0.0027 U	0.0025 U	0.0026 U	0.0023 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0044 U	0.004 U	0.0038 U	0.0039 U	0.0034 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.12 U	0.11 U	0.1 U	0.1 U	0.091 U
2,2-Dichloropropane	--	--	--	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
2-Chlorotoluene	--	--	--	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
2-Hexanone	--	--	--	MG/KG	0.015 U	0.014 U	0.012 U	0.013 U	0.011 U
4-Chlorotoluene	--	--	--	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
4-Ethyltoluene	--	--	--	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
Acetone	**0.05**	100	0.05	MG/KG	0.015 U	0.025	0.016	0.013 U	**0.077**
Acrylonitrile	--	--	--	MG/KG	0.0058 U	0.0054 U	0.005 U	0.0052 U	0.0045 U
Benzene	0.06	4.8	0.06	MG/KG	0.00073 U	0.00068 U	0.00062 U	0.00065 U	0.00057 U
Bromobenzene	--	--	--	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
Bromochloromethane	--	--	--	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
Bromodichloromethane	--	--	--	MG/KG	0.00073 U	0.00068 U	0.00062 U	0.00065 U	0.00057 U
Bromoform	--	--	--	MG/KG	0.0058 U	0.0054 U	0.005 U	0.0052 U	0.0045 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-20	RXSB-20	RXSB-20	RXSB-21	RXSB-21
				Sample Date:	07/27/2021	07/27/2021	07/27/2021	07/22/2021	07/22/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	7 - 9
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Bromomethane	--	--	--	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
Carbon Disulfide	--	--	--	MG/KG	0.015 U	0.014 U	0.012 U	0.013 U	0.011 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.00073 U	0.00068 U	0.00062 U	0.00065 U	0.00057 U
Chloroethane	--	--	--	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
Chloroform	0.37	49	0.37	MG/KG	0.00044 J	0.00035 J	0.00027 J	0.0019 U	0.0017 U
Chloromethane	--	--	--	MG/KG	0.0058 U	0.0054 U	0.005 U	0.0052 U	0.0045 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.00073 U	0.00068 U	0.00062 U	0.00065 U	0.00057 U
Cymene	--	--	--	MG/KG	0.00045 J	0.0014 U	0.0012 U	0.0013 U	0.0011 U
Dibromochloromethane	--	--	--	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U
Dibromomethane	--	--	--	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.015 U	0.014 U	0.012 U	0.013 U	0.011 U
Dichloroethylenes	--	--	--	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
Ethylbenzene	1	41	1	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U
Hexachlorobutadiene	--	--	--	MG/KG	0.0058 U	0.0054 U	0.005 U	0.0052 U	0.0045 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U
m,p-Xylene	--	--	--	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.015 U	0.014 U	0.012 U	0.013 U	0.0099 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.015 U	0.014 U	0.012 U	0.013 U	0.011 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0073 U	0.0068 U	0.0062 U	0.0065 U	0.0057 U
Naphthalene	12	100	12	MG/KG	0.0058 U	0.0054 U	0.005 U	0.0052 U	0.0045 U
N-Butylbenzene	12	100	12	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U
Styrene	--	--	--	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0029 U	0.0027 U	0.0025 U	0.0026 U	0.0023 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0029 U	0.00097 J	0.022	0.0026 U	0.0023 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.00073 U	0.00068 U	0.00062 U	0.00065 U	0.00057 U
Toluene	0.7	100	0.7	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.00073 U	0.00068 U	0.00062 U	0.00065 U	0.00057 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0022 U	0.002 U	0.0019 U	0.0019 U	0.0017 U
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-20	RXSB-20	RXSB-20	RXSB-21	RXSB-21
				Sample Date:	07/27/2021	07/27/2021	07/27/2021	07/22/2021	07/22/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	7 - 9
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0073 U	0.0068 U	0.0062 U	0.0065 U	0.0057 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.00073 U	0.00068 U	0.00062 U	0.00065 U	0.00057 U
Trichlorofluoromethane	--	--	--	MG/KG	0.0058 U	0.0054 U	0.005 U	0.0052 U	0.0045 U
Vinyl Acetate	--	--	--	MG/KG	0.015 U	0.014 U	0.012 U	0.013 U	0.011 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U
Xylenes	0.26	100	1.6	MG/KG	0.0015 U	0.0014 U	0.0012 U	0.0013 U	0.0011 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-21	RXSB-22	RXSB-22	RXSB-22	RXSB-23
				Sample Date:	07/22/2021	07/19/2021	07/19/2021	07/19/2021	07/16/2021
				Sample Depth (ft bls):	13 - 15	1 - 3	9 - 10	15 - 17	1 - 3
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.00058 U	0.00065 U	0.0007 U	0.00056 U	0.00054 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.00058 U	0.00065 U	0.0007 U	0.00056 U	0.00054 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.00058 U	0.00065 U	0.0007 U	0.00056 U	0.00054 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U
1,1-Dichloropropene	--	--	--	MG/KG	0.00058 U	0.00065 U	0.0007 U	0.00056 U	0.00054 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0035 U	0.0039 U	0.0042 U	0.0033 U	0.0033 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0023 U	0.0026 U	0.00065 J	0.0022 U	0.0022 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.093 U	0.1 U	0.11 U	0.089 U	0.087 U
2,2-Dichloropropane	--	--	--	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
2-Chlorotoluene	--	--	--	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
2-Hexanone	--	--	--	MG/KG	0.012 U	0.013 U	0.014 U	0.011 U	0.011 U
4-Chlorotoluene	--	--	--	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
4-Ethyltoluene	--	--	--	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
Acetone	**0.05**	100	0.05	MG/KG	0.038	0.013 U	0.014 U	0.016	0.0052 J
Acrylonitrile	--	--	--	MG/KG	0.0046 U	0.0052 U	0.0056 U	0.0044 U	0.0044 U
Benzene	0.06	4.8	0.06	MG/KG	0.00058 U	0.00065 U	0.0007 U	0.00056 U	0.00054 U
Bromobenzene	--	--	--	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
Bromochloromethane	--	--	--	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
Bromodichloromethane	--	--	--	MG/KG	0.00058 U	0.00065 U	0.0007 U	0.00056 U	0.00054 U
Bromoform	--	--	--	MG/KG	0.0046 U	0.0052 U	0.0056 U	0.0044 U	0.0044 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-21	RXSB-22	RXSB-22	RXSB-22	RXSB-23
				Sample Date:	07/22/2021	07/19/2021	07/19/2021	07/19/2021	07/16/2021
				Sample Depth (ft bls):	13 - 15	1 - 3	9 - 10	15 - 17	1 - 3
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Bromomethane	--	--	--	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
Carbon Disulfide	--	--	--	MG/KG	0.012 U	0.013 U	0.014 U	0.011 U	0.011 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.00058 U	0.00065 U	0.0007 U	0.00056 U	0.00054 U
Chloroethane	--	--	--	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
Chloroform	0.37	49	0.37	MG/KG	0.0017 U	0.0019 U	0.0021 U	0.0017 U	0.0016 U
Chloromethane	--	--	--	MG/KG	0.0046 U	0.0052 U	0.0056 U	0.0044 U	0.0044 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.00058 U	0.00065 U	0.0007 U	0.00056 U	0.00054 U
Cymene	--	--	--	MG/KG	0.0012 U	0.0013 U	0.00082 J	0.00018 J	0.0011 U
Dibromochloromethane	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U
Dibromomethane	--	--	--	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.012 U	0.013 U	0.014 U	0.011 U	0.011 U
Dichloroethylenes	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
Ethylbenzene	1	41	1	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U
Hexachlorobutadiene	--	--	--	MG/KG	0.0046 U	0.0052 U	0.0056 U	0.0044 U	0.0044 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U
m,p-Xylene	--	--	--	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.012 U	0.013 U	0.014 U	0.011 U	0.011 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.012 U	0.013 U	0.014 U	0.011 U	0.011 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0058 U	0.0065 U	0.007 U	0.0056 U	0.0054 U
Naphthalene	12	100	12	MG/KG	0.0046 U	0.0052 U	0.0056 U	0.0044 U	0.0044 U
N-Butylbenzene	12	100	12	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U
Styrene	--	--	--	MG/KG	0.0012 U	0.0013 U	0.00029 J	0.0011 U	0.0011 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0023 U	0.0026 U	0.0028 U	0.0022 U	0.0022 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.00058 U	0.00065 U	0.0007 U	0.00056 U	0.00054 U
Toluene	0.7	100	0.7	MG/KG	0.0011 J	0.0013	0.0013 J	0.0013	0.0011 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.00058 U	0.00065 U	0.0007 U	0.00056 U	0.00054 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0017 U	0.0019 U	0.0021 U	0.0017 U	0.0016 U
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-21	RXSB-22	RXSB-22	RXSB-22	RXSB-23
				Sample Date:	07/22/2021	07/19/2021	07/19/2021	07/19/2021	07/16/2021
				Sample Depth (ft bls):	13 - 15	1 - 3	9 - 10	15 - 17	1 - 3
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0058 U	0.0065 U	0.007 U	0.0056 U	0.0054 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.00058 U	0.00065 U	0.0007 U	0.00056 U	0.00054 U
Trichlorofluoromethane	--	--	--	MG/KG	0.0046 U	0.0052 U	0.0056 U	0.0044 U	0.0044 U
Vinyl Acetate	--	--	--	MG/KG	0.012 U	0.013 U	0.014 U	0.011 U	0.011 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U
Xylenes	0.26	100	1.6	MG/KG	0.0012 U	0.0013 U	0.0014 U	0.0011 U	0.0011 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-23	RXSB-23	RXSB-24	RXSB-24	RXSB-24
				Sample Date:	07/16/2021	07/16/2021	07/16/2021	07/16/2021	07/16/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,1,1,2-Tetrachloroethane	--	--	--	MG/KG	0.00063 U	0.00062 U	0.0006 U	0.00061 U	0.0007 U
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.00063 U	0.00062 U	0.0006 U	0.00061 U	0.0007 U
1,1,2,2-Tetrachloroethane	--	--	--	MG/KG	0.00063 U	0.00062 U	0.0006 U	0.00061 U	0.0007 U
1,1,2-Trichloroethane	--	--	--	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U
1,1-Dichloropropene	--	--	--	MG/KG	0.00063 U	0.00062 U	0.0006 U	0.00061 U	0.0007 U
1,2,3-Trichlorobenzene	--	--	--	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
1,2,3-Trichloropropane	--	--	--	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
1,2,4,5-Tetramethylbenzene	--	--	--	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0011 J
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
1,2-Dibromo-3-Chloropropane	--	--	--	MG/KG	0.0038 U	0.0037 U	0.0036 U	0.0037 U	0.0042 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U
1,2-Dichloropropane	--	--	--	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
1,3-Dichloropropane	--	--	--	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
1,4-Diethyl Benzene	--	--	--	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.1 U	0.099 U	0.095 U	0.098 U	0.11 U
2,2-Dichloropropane	--	--	--	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
2-Chlorotoluene	--	--	--	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
2-Hexanone	--	--	--	MG/KG	0.013 U	0.012 U	0.012 U	0.012 U	0.014 U
4-Chlorotoluene	--	--	--	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
4-Ethyltoluene	--	--	--	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
Acetone	**0.05**	100	0.05	MG/KG	0.0094 J	0.02	0.0076 J	0.012 U	0.05
Acrylonitrile	--	--	--	MG/KG	0.005 U	0.005 U	0.0048 U	0.0049 U	0.0056 U
Benzene	0.06	4.8	0.06	MG/KG	0.00063 U	0.00062 U	0.0006 U	0.00061 U	0.0007 U
Bromobenzene	--	--	--	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
Bromochloromethane	--	--	--	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
Bromodichloromethane	--	--	--	MG/KG	0.00063 U	0.00062 U	0.0006 U	0.00061 U	0.0007 U
Bromoform	--	--	--	MG/KG	0.005 U	0.005 U	0.0048 U	0.0049 U	0.0056 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-23	RXSB-23	RXSB-24	RXSB-24	RXSB-24
				Sample Date:	07/16/2021	07/16/2021	07/16/2021	07/16/2021	07/16/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Bromomethane	--	--	--	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
Carbon Disulfide	--	--	--	MG/KG	0.013 U	0.012 U	0.012 U	0.012 U	0.014 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.00063 U	0.00062 U	0.0006 U	0.00061 U	0.0007 U
Chloroethane	--	--	--	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
Chloroform	0.37	49	0.37	MG/KG	0.0019 U	0.0019 U	0.0018 U	0.0018 U	0.0021 U
Chloromethane	--	--	--	MG/KG	0.005 U	0.005 U	0.0048 U	0.0049 U	0.0056 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U
Cis-1,3-Dichloropropene	--	--	--	MG/KG	0.00063 U	0.00062 U	0.0006 U	0.00061 U	0.0007 U
Cymene	--	--	--	MG/KG	0.0013 U	0.0012 U	0.04	0.0012 U	0.0026
Dibromochloromethane	--	--	--	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U
Dibromomethane	--	--	--	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
Dichlorodifluoromethane	--	--	--	MG/KG	0.013 U	0.012 U	0.012 U	0.012 U	0.014 U
Dichloroethylenes	--	--	--	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U
Diethyl Ether (Ethyl Ether)	--	--	--	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
Ethylbenzene	1	41	1	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U
Hexachlorobutadiene	--	--	--	MG/KG	0.005 U	0.005 U	0.0048 U	0.0049 U	0.0056 U
Isopropylbenzene (Cumene)	--	--	--	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0011 J
m,p-Xylene	--	--	--	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.013 U	0.012 U	0.012 U	0.012 U	0.0048 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	MG/KG	0.013 U	0.012 U	0.012 U	0.012 U	0.014 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0063 U	0.0062 U	0.006 U	0.0061 U	0.007 U
Naphthalene	12	100	12	MG/KG	0.005 U	0.005 U	0.0022 J	0.0049 U	0.0056 U
N-Butylbenzene	12	100	12	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.00032 J
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U
O-Xylene (1,2-Dimethylbenzene)	--	--	--	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0004 J
Styrene	--	--	--	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.00044 J
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0025 U	0.0025 U	0.0024 U	0.0024 U	0.0028 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.00063 U	0.00062 U	0.0006 U	0.00061 U	0.0007 U
Toluene	0.7	100	0.7	MG/KG	0.0012 J	0.0011 J	0.0012 U	0.0013	0.0011 J
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	MG/KG	0.00063 U	0.00062 U	0.0006 U	0.00061 U	0.0007 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0019 U	0.0019 U	0.0018 U	0.0018 U	0.0021 U
Trans-1,3-Dichloropropene	--	--	--	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U

Table 2. Summary of Volatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-23	RXSB-23	RXSB-24	RXSB-24	RXSB-24
				Sample Date:	07/16/2021	07/16/2021	07/16/2021	07/16/2021	07/16/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Trans-1,4-Dichloro-2-Butene	--	--	--	MG/KG	0.0063 U	0.0062 U	0.006 U	0.0061 U	0.007 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.00063 U	0.00062 U	0.0006 U	0.00061 U	0.0007 U
Trichlorofluoromethane	--	--	--	MG/KG	0.005 U	0.005 U	0.0048 U	0.0049 U	0.0056 U
Vinyl Acetate	--	--	--	MG/KG	0.013 U	0.012 U	0.012 U	0.012 U	0.014 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U
Xylenes	0.26	100	1.6	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0014 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-11	RXSB-11	RXSB-11	RXSB-12	RXSB-12
				Sample Date:	07/14/2021	07/14/2021	07/14/2021	07/14/2021	07/14/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	1 - 3
				Normal Sample or Field Duplicate:	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.62 U	0.032 U	0.032 U	0.029 U	0.16 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 UJ	1.1 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	2.5 U	0.13 U	0.13 U	0.11 UJ	0.64 U
2,4-Dichlorophenol	--	--	--	MG/KG	3.7 U	0.19 U	0.19 U	0.17 UJ	0.96 U
2,4-Dimethylphenol	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 UJ	1.1 U
2,4-Dinitrophenol	--	--	--	MG/KG	20 U	1 U	1 U	0.92 UJ	5.1 U
2,4-Dinitrotoluene	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
2,6-Dinitrotoluene	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
2-Chloronaphthalene	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
2-Chlorophenol	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 UJ	1.1 U
2-Methylnaphthalene	--	--	--	MG/KG	2.4 J	0.26 U	0.26 U	0.16 J	0.18 J
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	4.1 U	0.21 U	0.22 U	0.19 UJ	1.1 U
2-Nitroaniline	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
2-Nitrophenol	--	--	--	MG/KG	8.8 U	0.46 U	0.46 U	0.41 UJ	2.3 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
3-Nitroaniline	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	11 U	0.56 U	0.56 U	0.5 U	2.8 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
4-Chloroaniline	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
4-Nitroaniline	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
4-Nitrophenol	--	--	--	MG/KG	5.7 U	0.3 U	0.3 U	0.27 UJ	1.5 U
Acenaphthene	20	100	98	MG/KG	13	0.17 U	0.17 U	0.52	0.47 J
Acenaphthylene	100	100	107	MG/KG	2.5 J	0.17 U	0.17 U	0.29	0.2 J
Acetophenone	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
Anthracene	100	100	1000	MG/KG	27	0.13 U	0.13 U	1.2 J	1.1
Benzo(A)Anthracene	**1**	1	1	MG/KG	**62**	0.13 U	0.031 J	**2.7 J**	**2.6**
Benzo(A)Pyrene	**1**	1	22	MG/KG	**47**	0.17 U	0.17 U	**2.4 J**	**2.2**
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	**63**	0.13 U	0.13 U	**3 J**	**2.7**

Table 3. Summary of Semivolatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-11	RXSB-11	RXSB-11	RXSB-12	RXSB-12
				Sample Date:	07/14/2021	07/14/2021	07/14/2021	07/14/2021	07/14/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	1 - 3
				Normal Sample or Field Duplicate:	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	27	0.17 U	0.17 U	1.3	1.2
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	**19**	0.13 U	0.13 U	**1.1 J**	**0.88**
Benzoic Acid	--	--	--	MG/KG	13 U	0.69 U	0.7 U	0.62 U	3.5 U
Benzyl Alcohol	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	9.3 U	0.49 U	0.49 U	0.046 J	2.4 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	4.4 U	0.23 U	0.23 U	0.21 U	1.2 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	3.7 U	0.19 U	0.19 U	0.17 U	0.96 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	4.9 U	0.26 U	0.26 U	0.23 U	1.3 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.42	1.1 U
Carbazole	--	--	--	MG/KG	9	0.21 U	0.22 U	0.47	0.47 J
Chrysene	**1**	3.9	1	MG/KG	**51**	0.13 U	0.13 U	**2.5 J**	**2.4**
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	**5.9**	0.13 U	0.13 U	0.32	0.31 J
Dibenzofuran	7	59	210	MG/KG	5.4	0.21 U	0.22 U	0.32	0.34 J
Diethyl Phthalate	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
Dimethyl Phthalate	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
Di-N-Octylphthalate	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
Fluoranthene	**100**	100	1000	MG/KG	**120**	0.13 U	0.028 J	4.5 J	5.2
Fluorene	30	100	386	MG/KG	11	0.21 U	0.22 U	0.44	0.38 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	2.5 U	0.13 U	0.13 U	0.11 U	0.64 U
Hexachlorobutadiene	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	12 U	0.61 U	0.62 U	0.55 U	3 U
Hexachloroethane	--	--	--	MG/KG	3.3 U	0.17 U	0.17 U	0.15 U	0.86 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	**30**	0.17 U	0.17 U	**1.6**	**1.4**
Isophorone	--	--	--	MG/KG	3.7 U	0.19 U	0.19 U	0.17 U	0.96 U
Naphthalene	12	100	12	MG/KG	5.2	0.21 U	0.22 U	0.29 J	0.32 J
Nitrobenzene	--	--	--	MG/KG	3.7 U	0.19 U	0.19 U	0.17 U	0.96 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	4.1 U	0.21 U	0.22 U	0.19 U	1.1 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	3.3 U	0.17 U	0.17 U	0.15 U	0.86 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	3.3 U	0.17 U	0.17 U	0.15 UJ	0.86 U
Phenanthrene	100	100	1000	MG/KG	96	0.13 U	0.13 U	3.8 J	4.4
Phenol	**0.33**	100	0.33	MG/KG	4.1 U	0.21 U	0.22 U	0.19 UJ	1.1 U
Pyrene	100	100	1000	MG/KG	100	0.13 U	0.03 J	3.9 J	4.4

Table 3. Summary of Semivolatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-12	RXSB-12	RXSB-13	RXSB-13	RXSB-13
				Sample Date:	07/14/2021	07/14/2021	07/12/2021	07/12/2021	07/19/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.03 U	0.03 U	0.028 U	0.031 U	0.032 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.12 U	0.12 U	0.11 U	0.12 U	0.13 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.18 U	0.18 U	0.17 U	0.19 U	0.19 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.2 U	0.2 U	0.1 J	0.11 J	0.21 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.95 U	0.97 U	0.9 U	0.99 U	1 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
2-Chloronaphthalene	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
2-Chlorophenol	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
2-Methylnaphthalene	--	--	--	MG/KG	0.24 U	0.24 U	1.3	0.36	0.25 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.2 U	0.2 U	0.14 J	0.19 J	0.21 U
2-Nitroaniline	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
2-Nitrophenol	--	--	--	MG/KG	0.42 U	0.44 U	0.41 U	0.45 U	0.46 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
3-Nitroaniline	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.51 U	0.53 U	0.49 U	0.54 U	0.55 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
4-Chloroaniline	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
4-Nitroaniline	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
4-Nitrophenol	--	--	--	MG/KG	0.28 U	0.28 U	0.26 U	0.29 U	0.3 U
Acenaphthene	20	100	98	MG/KG	0.16 U	0.16 U	0.58	0.49	0.17 U
Acenaphthylene	100	100	107	MG/KG	0.16 U	0.16 U	3.7	1.8	0.17 U
Acetophenone	--	--	--	MG/KG	0.2 U	0.2 U	0.3	0.21 U	0.21 U
Anthracene	100	100	1000	MG/KG	0.12 U	0.12 U	4.8	6.4	0.13 U
Benzo(A)Anthracene	**1**	1	1	MG/KG	0.036 J	0.12 U	**16**	**17**	0.13 U
Benzo(A)Pyrene	**1**	1	22	MG/KG	0.16 U	0.16 U	**18**	**14**	0.17 U
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	0.035 J	0.12 U	**21**	**19**	0.13 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-12	RXSB-12	RXSB-13	RXSB-13	RXSB-13
				Sample Date:	07/14/2021	07/14/2021	07/12/2021	07/12/2021	07/19/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.16 U	0.16 U	8.3	7.2	0.17 U
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.12 U	0.12 U	**6.9**	**6.7**	0.13 U
Benzoic Acid	--	--	--	MG/KG	0.64 U	0.66 U	0.61 U	0.67 U	0.69 U
Benzyl Alcohol	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.45 U	0.46 U	0.19 J	0.11 J	0.48 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.21 U	0.22 U	0.2 U	0.22 U	0.23 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.18 U	0.18 U	0.17 U	0.19 U	0.19 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.24 U	0.24 U	0.23 U	0.25 U	0.25 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
Carbazole	--	--	--	MG/KG	0.2 U	0.2 U	0.84	1	0.21 U
Chrysene	**1**	3.9	1	MG/KG	0.029 J	0.12 U	**14**	**14**	0.13 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.12 U	0.12 U	**3.3**	**2.7**	0.13 U
Dibenzofuran	7	59	210	MG/KG	0.2 U	0.2 U	1	2.9	0.21 U
Diethyl Phthalate	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
Dimethyl Phthalate	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
Fluoranthene	**100**	100	1000	MG/KG	0.047 J	0.12 U	18	31	0.13 U
Fluorene	30	100	386	MG/KG	0.2 U	0.2 U	1.5	3.4	0.21 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.12 U	0.12 U	0.11 U	0.12 U	0.13 U
Hexachlorobutadiene	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.56 U	0.58 U	0.54 U	0.59 U	0.61 U
Hexachloroethane	--	--	--	MG/KG	0.16 U	0.16 U	0.15 U	0.16 U	0.17 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	0.16 U	0.16 U	**10**	**8.8**	0.17 U
Isophorone	--	--	--	MG/KG	0.18 U	0.18 U	0.17 U	0.19 U	0.19 U
Naphthalene	12	100	12	MG/KG	0.2 U	0.2 U	2.9	2.1	0.21 U
Nitrobenzene	--	--	--	MG/KG	0.18 U	0.18 U	0.17 U	0.19 U	0.19 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.2 U	0.2 U	0.19 U	0.21 U	0.21 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.16 U	0.16 U	0.15 U	0.16 U	0.17 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.16 U	0.16 U	0.15 U	0.16 U	0.17 U
Phenanthrene	100	100	1000	MG/KG	0.12 U	0.12 U	9.4	21	0.13 U
Phenol	**0.33**	100	0.33	MG/KG	0.2 U	0.2 U	**0.34**	**0.97**	0.21 U
Pyrene	100	100	1000	MG/KG	0.042 J	0.12 U	17	25	0.13 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-14	RXSB-14	RXSB-14	RXSB-15	RXSB-15
				Sample Date:	07/12/2021	07/12/2021	07/12/2021	07/12/2021	07/12/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	7 - 9
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.028 U	0.033 U	0.031 U	0.028 U	0.028 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.11 U	0.13 U	0.12 U	0.11 U	0.11 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.17 U	0.2 U	0.19 U	0.17 U	0.16 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.9 U	1.1 U	1 U	0.91 U	0.88 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
2-Chloronaphthalene	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
2-Chlorophenol	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
2-Methylnaphthalene	--	--	--	MG/KG	0.038 J	0.26 U	0.042 J	0.14 J	0.22 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
2-Nitroaniline	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
2-Nitrophenol	--	--	--	MG/KG	0.4 U	0.48 U	0.45 U	0.41 U	0.4 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
3-Nitroaniline	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.48 U	0.57 U	0.54 U	0.49 U	0.48 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
4-Chloroaniline	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
4-Nitroaniline	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
4-Nitrophenol	--	--	--	MG/KG	0.26 U	0.31 U	0.29 U	0.27 U	0.26 U
Acenaphthene	20	100	98	MG/KG	0.15 U	0.13 J	0.022 J	0.15 U	0.097 J
Acenaphthylene	100	100	107	MG/KG	0.15 U	0.18 U	0.17 U	0.77	0.085 J
Acetophenone	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
Anthracene	100	100	1000	MG/KG	0.11 U	0.13 U	0.12 U	0.17	0.21
Benzo(A)Anthracene	**1**	1	1	MG/KG	0.064 J	0.027 J	0.12 U	**2.5**	0.28
Benzo(A)Pyrene	**1**	1	22	MG/KG	0.1 J	0.18 U	0.17 U	**9**	0.26
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	0.12	0.13 U	0.12 U	**11**	0.31

Table 3. Summary of Semivolatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-14	RXSB-14	RXSB-14	RXSB-15	RXSB-15
				Sample Date:	07/12/2021	07/12/2021	07/12/2021	07/12/2021	07/12/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	7 - 9
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.074 J	0.18 U	0.17 U	6.6	0.089 J
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.035 J	0.13 U	0.12 U	**4.4**	0.11
Benzoic Acid	--	--	--	MG/KG	0.6 U	0.72 U	0.68 U	0.62 U	0.6 U
Benzyl Alcohol	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.42 U	0.5 U	0.48 U	0.43 U	0.42 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.2 U	0.24 U	0.23 U	0.2 U	0.2 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.17 U	0.2 U	0.19 U	0.17 U	0.16 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.22 U	0.26 U	0.25 U	0.23 U	0.22 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
Carbazole	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.14 J	0.18 U
Chrysene	**1**	3.9	1	MG/KG	0.06 J	0.13 U	0.12 U	**2.6**	0.25
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.025 J	0.13 U	0.12 U	**2.5**	0.041 J
Dibenzofuran	7	59	210	MG/KG	0.19 U	0.22 U	0.21 U	0.1 J	0.13 J
Diethyl Phthalate	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
Dimethyl Phthalate	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
Fluoranthene	**100**	100	1000	MG/KG	0.076 J	0.081 J	0.12 U	0.54	0.53
Fluorene	30	100	386	MG/KG	0.19 U	0.088 J	0.21 U	0.046 J	0.24
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.11 U	0.13 U	0.12 U	0.11 U	0.11 U
Hexachlorobutadiene	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.53 U	0.63 U	0.6 U	0.54 U	0.53 U
Hexachloroethane	--	--	--	MG/KG	0.15 U	0.18 U	0.17 U	0.15 U	0.15 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	0.084 J	0.18 U	0.17 U	**7.5**	0.11 J
Isophorone	--	--	--	MG/KG	0.17 U	0.2 U	0.19 U	0.17 U	0.16 U
Naphthalene	12	100	12	MG/KG	0.12 J	0.22 U	0.21 U	0.53	0.032 J
Nitrobenzene	--	--	--	MG/KG	0.17 U	0.2 U	0.19 U	0.17 U	0.16 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.19 U	0.22 U	0.21 U	0.19 U	0.18 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.15 U	0.18 U	0.17 U	0.15 U	0.15 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.15 U	0.18 U	0.17 U	0.15 U	0.15 U
Phenanthrene	100	100	1000	MG/KG	0.032 J	0.13 U	0.12 U	0.19	0.11 U
Phenol	**0.33**	100	0.33	MG/KG	0.19 U	0.22 U	0.21 U	0.043 J	0.18 U
Pyrene	100	100	1000	MG/KG	0.083 J	0.055 J	0.12 U	1.1	0.84

Table 3. Summary of Semivolatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-15	RXSB-16	RXSB-16	RXSB-16	RXSB-16
				Sample Date:	07/12/2021	07/14/2021	07/14/2021	07/14/2021	07/14/2021
				Sample Depth (ft bls):	13 - 15	1 - 3	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.03 U	0.085 U	0.03 U	0.081 U	0.031 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.12 U	0.34 U	0.12 U	0.32 U	0.12 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.18 U	0.51 U	0.18 U	0.49 U	0.18 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.96 U	2.7 U	0.96 U	2.6 U	0.98 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
2-Chloronaphthalene	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
2-Chlorophenol	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
2-Methylnaphthalene	--	--	--	MG/KG	0.24 U	0.17 J	0.4	0.65 U	0.25 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
2-Nitroaniline	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
2-Nitrophenol	--	--	--	MG/KG	0.43 U	1.2 U	0.43 U	1.2 U	0.44 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
3-Nitroaniline	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.52 U	1.5 U	0.52 U	1.4 U	0.53 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
4-Chloroaniline	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
4-Nitroaniline	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
4-Nitrophenol	--	--	--	MG/KG	0.28 U	0.79 U	0.28 U	0.76 U	0.29 U
Acenaphthene	20	100	98	MG/KG	0.14 J+	0.43 J	0.62	0.43 U	0.16 U
Acenaphthylene	100	100	107	MG/KG	0.064 J+	0.29 J	0.34	0.43 U	0.16 U
Acetophenone	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
Anthracene	100	100	1000	MG/KG	0.22 J+	0.76	1.2	0.32 U	0.12 U
Benzo(A)Anthracene	**1**	1	1	MG/KG	0.32 J+	**2.2 J**	**2.5**	0.32 U	0.12 U
Benzo(A)Pyrene	**1**	1	22	MG/KG	0.2 J+	**1.9 J**	**2.1**	0.43 U	0.16 U
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	0.23 J+	**2.3 J**	**2.6**	0.32 U	0.12 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-15	RXSB-16	RXSB-16	RXSB-16	RXSB-16
				Sample Date:	07/12/2021	07/14/2021	07/14/2021	07/14/2021	07/14/2021
				Sample Depth (ft bls):	13 - 15	1 - 3	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.067 J+	1.2 J	1.4	0.43 U	0.16 U
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.082 J+	**0.89 J**	**0.94**	0.32 U	0.12 U
Benzoic Acid	--	--	--	MG/KG	0.65 U	1.8 U	0.65 U	1.8 U	0.66 U
Benzyl Alcohol	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.46 U	1.3 U	0.1 J	1.2 U	0.47 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.22 U	0.61 U	0.22 U	0.58 U	0.22 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.18 U	0.51 U	0.18 U	0.49 U	0.18 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.24 U	0.68 U	0.24 U	0.65 U	0.25 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.2 U	0.56 U	0.098 J	0.54 U	0.2 U
Carbazole	--	--	--	MG/KG	0.2 U	0.22 J	0.4	0.54 U	0.2 U
Chrysene	**1**	3.9	1	MG/KG	0.26 J+	**2 J**	**2.2**	0.32 U	0.12 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.027 J+	0.31 J	**0.38**	0.32 U	0.12 U
Dibenzofuran	7	59	210	MG/KG	0.16 J+	0.27 J	0.46	0.54 U	0.2 U
Diethyl Phthalate	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
Dimethyl Phthalate	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
Fluoranthene	**100**	100	1000	MG/KG	0.72 J+	4 J	4.3	0.32 U	0.12 U
Fluorene	30	100	386	MG/KG	0.32 J+	0.31 J	0.58	0.54 U	0.2 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.12 U	0.34 U	0.12 U	0.32 U	0.12 U
Hexachlorobutadiene	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.57 U	1.6 U	0.57 U	1.5 U	0.59 U
Hexachloroethane	--	--	--	MG/KG	0.16 U	0.45 U	0.16 U	0.43 U	0.16 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	0.073 J+	**1.2 J**	**1.4**	0.43 U	0.16 U
Isophorone	--	--	--	MG/KG	0.18 U	0.51 U	0.18 U	0.49 U	0.18 U
Naphthalene	12	100	12	MG/KG	0.097 J+	0.26 J	0.59	0.54 U	0.2 U
Nitrobenzene	--	--	--	MG/KG	0.18 U	0.51 U	0.18 U	0.49 U	0.18 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.16 U	0.45 U	0.16 U	0.43 U	0.16 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.16 U	0.45 U	0.16 U	0.43 U	0.16 U
Phenanthrene	100	100	1000	MG/KG	0.12 U	3.3 J	4.1	0.32 U	0.12 U
Phenol	**0.33**	100	0.33	MG/KG	0.2 U	0.56 U	0.2 U	0.54 U	0.2 U
Pyrene	100	100	1000	MG/KG	0.68 J+	3.6 J	3.8	0.32 U	0.12 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-17	RXSB-17	RXSB-17	RXSB-18	RXSB-18
				Sample Date:	07/20/2021	07/21/2021	07/21/2021	07/21/2021	07/21/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	1 - 3
				Normal Sample or Field Duplicate:	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.29 U	0.031 U	0.03 U	0.13 U	0.13 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	1.2 U	0.12 U	0.12 U	0.53 U	0.53 U
2,4-Dichlorophenol	--	--	--	MG/KG	1.7 U	0.18 U	0.18 U	0.79 U	0.8 U
2,4-Dimethylphenol	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
2,4-Dinitrophenol	--	--	--	MG/KG	9.2 U	0.98 U	0.97 U	4.2 U	4.2 U
2,4-Dinitrotoluene	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
2,6-Dinitrotoluene	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
2-Chloronaphthalene	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
2-Chlorophenol	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
2-Methylnaphthalene	--	--	--	MG/KG	0.75 J	0.24 U	0.24 U	0.48 J	0.77 J
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
2-Nitroaniline	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
2-Nitrophenol	--	--	--	MG/KG	4.2 U	0.44 U	0.44 U	1.9 U	1.9 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
3-Nitroaniline	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	5 U	0.53 U	0.52 U	2.3 U	2.3 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
4-Chloroaniline	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
4-Nitroaniline	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
4-Nitrophenol	--	--	--	MG/KG	2.7 U	0.29 U	0.28 U	1.2 U	1.2 U
Acenaphthene	20	100	98	MG/KG	3.1	0.16 U	0.16 U	1.6	2.4
Acenaphthylene	100	100	107	MG/KG	2	0.16 U	0.16 U	0.7 U	0.71 U
Acetophenone	--	--	--	MG/KG	0.26 J	0.2 U	0.2 U	0.88 U	0.89 U
Anthracene	100	100	1000	MG/KG	9.8	0.12 U	0.12 U	3.3	4.1
Benzo(A)Anthracene	**1**	1	1	MG/KG	**29**	0.11 J	0.12 U	**5.7**	**7**
Benzo(A)Pyrene	**1**	1	22	MG/KG	**29**	0.092 J	0.16 U	**5.2**	**5.3**
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	**38**	0.13	0.12 U	**7.1**	**7.8**

Table 3. Summary of Semivolatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-17	RXSB-17	RXSB-17	RXSB-18	RXSB-18
				Sample Date:	07/20/2021	07/21/2021	07/21/2021	07/21/2021	07/21/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	1 - 3
				Normal Sample or Field Duplicate:	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	19	0.061 J	0.16 U	3.2	3.4
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	**13**	0.036 J	0.12 U	**2**	**1.8**
Benzoic Acid	--	--	--	MG/KG	6.2 U	0.66 U	0.65 U	2.8 U	2.9 U
Benzyl Alcohol	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	4.4 U	0.47 U	0.46 U	2 U	0.25 J
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	2.1 U	0.22 U	0.22 U	0.95 U	0.96 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	1.7 U	0.18 U	0.18 U	0.79 U	0.8 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	2.3 U	0.24 U	0.24 U	1 U	1.1 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
Carbazole	--	--	--	MG/KG	3.2	0.2 U	0.2 U	1.1	1.6
Chrysene	**1**	3.9	1	MG/KG	**29**	0.09 J	0.12 U	**5.3**	**5.8**
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	**4.6**	0.12 U	0.12 U	**0.77**	**0.88**
Dibenzofuran	7	59	210	MG/KG	2.2	0.2 U	0.2 U	1.2	1.9
Diethyl Phthalate	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
Dimethyl Phthalate	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
Di-N-Octylphthalate	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
Fluoranthene	**100**	100	1000	MG/KG	62	0.2	0.026 J	14	13
Fluorene	30	100	386	MG/KG	3.4	0.2 U	0.2 U	1.7	2.6
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	1.2 U	0.12 U	0.12 U	0.53 U	0.53 U
Hexachlorobutadiene	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	5.5 U	0.59 U	0.58 U	2.5 U	2.5 U
Hexachloroethane	--	--	--	MG/KG	1.5 U	0.16 U	0.16 U	0.7 U	0.71 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	**22**	0.069 J	0.16 U	**3.6**	**3.8**
Isophorone	--	--	--	MG/KG	1.7 U	0.18 U	0.18 U	0.79 U	0.8 U
Naphthalene	12	100	12	MG/KG	1.4 J	0.2 U	0.2 U	1.1	1.8
Nitrobenzene	--	--	--	MG/KG	1.7 U	0.18 U	0.18 U	0.79 U	0.8 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	1.5 U	0.16 U	0.16 U	0.7 U	0.71 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	1.5 U	0.16 U	0.16 U	0.7 U	0.71 U
Phenanthrene	100	100	1000	MG/KG	41	0.094 J	0.12 U	13	15
Phenol	**0.33**	100	0.33	MG/KG	1.9 U	0.2 U	0.2 U	0.88 U	0.89 U
Pyrene	100	100	1000	MG/KG	50	0.17	0.022 J	10	11

Table 3. Summary of Semivolatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-18	RXSB-18	RXSB-19	RXSB-19	RXSB-19
				Sample Date:	07/28/2021	07/28/2021	07/26/2021	07/27/2021	07/27/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.031 U	0.031 U	0.029 U	0.031 U	0.031 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.19 U	0.18 U	0.18 U	0.18 U	0.18 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.99 U	0.98 U	0.93 U	0.99 U	0.98 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
2-Chloronaphthalene	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
2-Chlorophenol	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
2-Methylnaphthalene	--	--	--	MG/KG	0.25 U	0.24 U	0.36	0.25 U	0.052 J
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.21 U	0.2 U	0.032 J	0.21 U	0.2 U
2-Nitroaniline	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
2-Nitrophenol	--	--	--	MG/KG	0.45 U	0.44 U	0.42 U	0.44 U	0.44 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
3-Nitroaniline	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.54 U	0.53 U	0.5 U	0.54 U	0.53 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
4-Chloroaniline	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
4-Nitroaniline	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
4-Nitrophenol	--	--	--	MG/KG	0.29 U	0.29 U	0.27 U	0.29 U	0.29 U
Acenaphthene	20	100	98	MG/KG	0.026 J	0.16 U	0.85	0.022 J	0.037 J
Acenaphthylene	100	100	107	MG/KG	0.074 J	0.16 U	0.94	0.045 J	0.16 U
Acetophenone	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
Anthracene	100	100	1000	MG/KG	0.11 J	0.12 U	2.4	0.08 J	0.12 U
Benzo(A)Anthracene	**1**	1	1	MG/KG	0.47	0.12 U	**7.6**	0.28	0.12 U
Benzo(A)Pyrene	**1**	1	22	MG/KG	0.5	0.16 U	**8.2**	0.28	0.16 U
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	0.6	0.12 U	**10**	0.37	0.12 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-18	RXSB-18	RXSB-19	RXSB-19	RXSB-19
				Sample Date:	07/28/2021	07/28/2021	07/26/2021	07/27/2021	07/27/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.3	0.16 U	5.8	0.2	0.16 U
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.21	0.12 U	**3.2**	0.12	0.12 U
Benzoic Acid	--	--	--	MG/KG	0.67 U	0.66 U	0.63 U	0.67 U	0.66 U
Benzyl Alcohol	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.47 U	0.46 U	0.11 J	0.47 U	0.47 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.22 U	0.22 U	0.21 U	0.22 U	0.22 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.19 U	0.18 U	0.18 U	0.18 U	0.18 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.25 U	0.24 U	0.23 U	0.25 U	0.24 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
Carbazole	--	--	--	MG/KG	0.038 J	0.2 U	1.1	0.034 J	0.2 U
Chrysene	**1**	3.9	1	MG/KG	0.44	0.12 U	**6.8**	0.27	0.12 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.076 J	0.12 U	**1.6**	0.048 J	0.12 U
Dibenzofuran	7	59	210	MG/KG	0.21 U	0.2 U	0.69	0.21 U	0.2 U
Diethyl Phthalate	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
Dimethyl Phthalate	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
Fluoranthene	**100**	100	1000	MG/KG	0.77	0.12 U	15	0.45	0.12 U
Fluorene	30	100	386	MG/KG	0.022 J	0.2 U	0.8	0.025 J	0.036 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Hexachlorobutadiene	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.59 U	0.58 U	0.56 U	0.59 U	0.59 U
Hexachloroethane	--	--	--	MG/KG	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	0.32	0.16 U	**6.7**	0.21	0.16 U
Isophorone	--	--	--	MG/KG	0.19 U	0.18 U	0.18 U	0.18 U	0.18 U
Naphthalene	12	100	12	MG/KG	0.21 U	0.2 U	0.84	0.025 J	0.2 U
Nitrobenzene	--	--	--	MG/KG	0.19 U	0.18 U	0.18 U	0.18 U	0.18 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.21 U	0.2 U	0.19 U	0.21 U	0.2 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Phenanthrene	100	100	1000	MG/KG	0.36	0.12 U	11	0.32	0.083 J
Phenol	**0.33**	100	0.33	MG/KG	0.21 U	0.2 U	0.058 J	0.21 U	0.2 U
Pyrene	100	100	1000	MG/KG	0.8	0.12 U	13	0.43	0.12 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-20	RXSB-20	RXSB-20	RXSB-21	RXSB-21
				Sample Date:	07/27/2021	07/27/2021	07/27/2021	07/22/2021	07/22/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	7 - 9
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.028 U	0.032 U	0.031 U	0.028 U	0.029 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.11 U	0.13 U	0.12 U	0.11 U	0.11 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.17 U	0.19 U	0.18 U	0.17 U	0.17 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.18 J
2,4-Dinitrophenol	--	--	--	MG/KG	0.9 U	1 U	0.98 U	0.91 U	0.92 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
2-Chloronaphthalene	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
2-Chlorophenol	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
2-Methylnaphthalene	--	--	--	MG/KG	0.25	0.26 U	0.24 U	0.24	1.9
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19
2-Nitroaniline	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
2-Nitrophenol	--	--	--	MG/KG	0.4 U	0.46 U	0.44 U	0.41 U	0.41 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
3-Nitroaniline	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.49 U	0.56 U	0.53 U	0.5 U	0.5 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
4-Chloroaniline	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
4-Nitroaniline	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
4-Nitrophenol	--	--	--	MG/KG	0.26 U	0.3 U	0.29 U	0.27 U	0.27 U
Acenaphthene	20	100	98	MG/KG	0.74	0.17 U	0.16 U	0.77	3.5
Acenaphthylene	100	100	107	MG/KG	0.46	0.17 U	0.16 U	0.57	0.81
Acetophenone	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
Anthracene	100	100	1000	MG/KG	1.8	0.13 U	0.12 U	2.2	7.2
Benzo(A)Anthracene	**1**	1	1	MG/KG	**4.8**	0.13 U	0.12 U	**6.5**	**9.2**
Benzo(A)Pyrene	**1**	1	22	MG/KG	**4.7**	0.17 U	0.16 U	**6.2**	**7.4**
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	**6.6**	0.13 U	0.12 U	**7.2**	**8.7**

Table 3. Summary of Semivolatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-20	RXSB-20	RXSB-20	RXSB-21	RXSB-21
				Sample Date:	07/27/2021	07/27/2021	07/27/2021	07/22/2021	07/22/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	7 - 9
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	3.4	0.17 U	0.16 U	5.5	4.8
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	**1.1**	0.13 U	0.12 U	**3.5**	**3.6**
Benzoic Acid	--	--	--	MG/KG	0.61 U	0.7 U	0.66 U	0.62 U	0.62 U
Benzyl Alcohol	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.072 J	0.49 U	0.47 U	0.063 J	0.37 J
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.2 U	0.23 U	0.22 U	0.2 U	0.21 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.17 U	0.19 U	0.18 U	0.17 U	0.17 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.22 U	0.26 U	0.24 U	0.23 U	0.23 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
Carbazole	--	--	--	MG/KG	0.86	0.22 U	0.2 U	0.8	4.1
Chrysene	**1**	3.9	1	MG/KG	**3.9**	0.13 U	0.12 U	**6.2**	**8.5**
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	**0.84**	0.13 U	0.12 U	**1.4**	**1.4**
Dibenzofuran	7	59	210	MG/KG	0.58	0.22 U	0.2 U	0.48	2.8
Diethyl Phthalate	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
Dimethyl Phthalate	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.13 J	0.19 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
Fluoranthene	**100**	100	1000	MG/KG	6.8	0.13 U	0.12 U	8.2	21
Fluorene	30	100	386	MG/KG	0.66	0.22 U	0.2 U	0.62	3.6
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.11 U	0.13 U	0.12 U	0.11 U	0.11 U
Hexachlorobutadiene	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.54 U	0.62 U	0.58 U	0.54 U	0.55 U
Hexachloroethane	--	--	--	MG/KG	0.15 U	0.17 U	0.16 U	0.15 U	0.15 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	**3.8**	0.17 U	0.16 U	**6.4**	**5.3**
Isophorone	--	--	--	MG/KG	0.17 U	0.19 U	0.18 U	0.17 U	0.17 U
Naphthalene	12	100	12	MG/KG	0.55	0.22 U	0.2 U	0.56	3.6
Nitrobenzene	--	--	--	MG/KG	0.17 U	0.19 U	0.18 U	0.17 U	0.17 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.19 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.15 U	0.17 U	0.16 U	0.15 U	0.15 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.15 U	0.17 U	0.16 U	0.15 U	0.15 U
Phenanthrene	100	100	1000	MG/KG	5.9	0.13 U	0.12 U	7.4	25
Phenol	**0.33**	100	0.33	MG/KG	0.19 U	0.22 U	0.2 U	0.19 U	0.29
Pyrene	100	100	1000	MG/KG	6.4	0.13 U	0.12 U	8.2	18

Table 3. Summary of Semivolatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-21	RXSB-22	RXSB-22	RXSB-22	RXSB-23
				Sample Date:	07/22/2021	07/19/2021	07/19/2021	07/19/2021	07/16/2021
				Sample Depth (ft bls):	13 - 15	1 - 3	9 - 10	15 - 17	1 - 3
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.031 U	0.027 U	0.031 U	0.03 U	0.026 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.19 U	0.16 U	0.18 U	0.18 U	0.16 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
2,4-Dinitrophenol	--	--	--	MG/KG	1 U	0.87 U	0.99 U	0.97 U	0.85 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
2-Chloronaphthalene	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
2-Chlorophenol	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
2-Methylnaphthalene	--	--	--	MG/KG	0.25 U	0.054 J	0.25 U	0.24 U	0.056 J
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
2-Nitroaniline	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
2-Nitrophenol	--	--	--	MG/KG	0.45 U	0.39 U	0.44 U	0.44 U	0.38 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
3-Nitroaniline	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.54 U	0.47 U	0.54 U	0.52 U	0.46 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
4-Chloroaniline	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
4-Nitroaniline	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
4-Nitrophenol	--	--	--	MG/KG	0.29 U	0.25 U	0.29 U	0.28 U	0.25 U
Acenaphthene	20	100	98	MG/KG	0.08 J	0.083 J	0.16 U	0.16 U	0.1 J
Acenaphthylene	100	100	107	MG/KG	0.044 J	0.11 J	0.16 U	0.16 U	0.41
Acetophenone	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
Anthracene	100	100	1000	MG/KG	0.21	0.33	0.12 U	0.12 U	0.42
Benzo(A)Anthracene	**1**	1	1	MG/KG	0.48	**1.4**	0.046 J	0.14	**1.8**
Benzo(A)Pyrene	**1**	1	22	MG/KG	0.48	**1.3**	0.16 U	0.13 J	**1.7**
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	0.6	**1.8**	0.047 J	0.17	**2.3**

Table 3. Summary of Semivolatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-21	RXSB-22	RXSB-22	RXSB-22	RXSB-23
				Sample Date:	07/22/2021	07/19/2021	07/19/2021	07/19/2021	07/16/2021
				Sample Depth (ft bls):	13 - 15	1 - 3	9 - 10	15 - 17	1 - 3
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.27	1	0.028 J	0.095 J	1.2
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.22	0.5	0.12 U	0.044 J	0.62
Benzoic Acid	--	--	--	MG/KG	0.68 U	0.59 U	0.67 U	0.65 U	0.57 U
Benzyl Alcohol	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.48 U	0.41 U	0.47 U	0.46 U	0.4 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.22 U	0.2 U	0.22 U	0.22 U	0.19 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.19 U	0.16 U	0.18 U	0.18 U	0.16 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.25 U	0.22 U	0.25 U	0.24 U	0.21 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.21 U	0.079 J	0.2 U	0.2 U	0.18 U
Carbazole	--	--	--	MG/KG	0.071 J	0.094 J	0.2 U	0.2 U	0.14 J
Chrysene	**1**	3.9	1	MG/KG	0.43	**1.3**	0.041 J	0.14	**1.6**
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.089 J	0.23	0.12 U	0.12 U	0.32
Dibenzofuran	7	59	210	MG/KG	0.047 J	0.066 J	0.2 U	0.2 U	0.075 J
Diethyl Phthalate	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
Dimethyl Phthalate	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
Fluoranthene	**100**	100	1000	MG/KG	0.94	2	0.076 J	0.22	2.7
Fluorene	30	100	386	MG/KG	0.076 J	0.083 J	0.2 U	0.2 U	0.11 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U
Hexachlorobutadiene	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.6 U	0.52 U	0.59 U	0.58 U	0.51 U
Hexachloroethane	--	--	--	MG/KG	0.17 U	0.14 U	0.16 U	0.16 U	0.14 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	0.31	**1**	0.16 U	0.091 J	**1.3**
Isophorone	--	--	--	MG/KG	0.19 U	0.16 U	0.18 U	0.18 U	0.16 U
Naphthalene	12	100	12	MG/KG	0.038 J	0.11 J	0.2 U	0.2 U	0.13 J
Nitrobenzene	--	--	--	MG/KG	0.19 U	0.16 U	0.18 U	0.18 U	0.16 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.17 U	0.14 U	0.16 U	0.16 U	0.14 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.17 U	0.14 U	0.16 U	0.16 U	0.14 U
Phenanthrene	100	100	1000	MG/KG	0.72	1.2	0.031 J	0.1 J	1.4
Phenol	**0.33**	100	0.33	MG/KG	0.21 U	0.18 U	0.2 U	0.2 U	0.18 U
Pyrene	100	100	1000	MG/KG	0.8	2	0.071 J	0.22	2.5

Table 3. Summary of Semivolatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-23	RXSB-23	RXSB-24	RXSB-24	RXSB-24
				Sample Date:	07/16/2021	07/16/2021	07/16/2021	07/16/2021	07/16/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
1,2,4,5-Tetrachlorobenzene	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	--	--	--	MG/KG	0.19 U	0.025 J	0.18 U	0.2 U	0.2 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.028 U	0.032 U	0.027 U	0.03 U	0.03 U
2,4,5-Trichlorophenol	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
2,4,6-Trichlorophenol	--	--	--	MG/KG	0.11 U	0.13 U	0.11 U	0.12 U	0.12 U
2,4-Dichlorophenol	--	--	--	MG/KG	0.17 U	0.19 U	0.16 U	0.18 U	0.18 U
2,4-Dimethylphenol	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
2,4-Dinitrophenol	--	--	--	MG/KG	0.9 U	1 U	0.87 U	0.95 U	0.96 U
2,4-Dinitrotoluene	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
2,6-Dinitrotoluene	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
2-Chloronaphthalene	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
2-Chlorophenol	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
2-Methylnaphthalene	--	--	--	MG/KG	0.22 U	0.26 U	0.63	0.24 U	0.24 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.19 U	0.21 U	0.029 J	0.2 U	0.2 U
2-Nitroaniline	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
2-Nitrophenol	--	--	--	MG/KG	0.4 U	0.46 U	0.39 U	0.43 U	0.43 U
3,3'-Dichlorobenzidine	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
3-Nitroaniline	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
4,6-Dinitro-2-Methylphenol	--	--	--	MG/KG	0.49 U	0.56 U	0.47 U	0.51 U	0.52 U
4-Bromophenyl Phenyl Ether	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
4-Chloro-3-Methylphenol	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
4-Chloroaniline	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
4-Chlorophenyl Phenyl Ether	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
4-Nitroaniline	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
4-Nitrophenol	--	--	--	MG/KG	0.26 U	0.3 U	0.25 U	0.28 U	0.28 U
Acenaphthene	20	100	98	MG/KG	0.15 U	0.17 U	1.5	0.16 U	0.16 U
Acenaphthylene	100	100	107	MG/KG	0.15 U	0.17 U	0.4	0.16 U	0.16 U
Acetophenone	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
Anthracene	100	100	1000	MG/KG	0.11 U	0.13 U	1.8	0.12 U	0.12 U
Benzo(A)Anthracene	**1**	1	1	MG/KG	0.11 U	0.13 U	**3.7**	0.12 U	0.12 U
Benzo(A)Pyrene	**1**	1	22	MG/KG	0.15 U	0.17 U	**3.6**	0.16 U	0.16 U
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	0.11 U	0.13 U	**4.5**	0.12 U	0.12 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-23	RXSB-23	RXSB-24	RXSB-24	RXSB-24
				Sample Date:	07/16/2021	07/16/2021	07/16/2021	07/16/2021	07/16/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.15 U	0.17 U	2.5	0.16 U	0.16 U
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.11 U	0.13 U	**1.2**	0.12 U	0.12 U
Benzoic Acid	--	--	--	MG/KG	0.61 U	0.69 U	0.59 U	0.64 U	0.65 U
Benzyl Alcohol	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
Benzyl Butyl Phthalate	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
Biphenyl (Diphenyl)	--	--	--	MG/KG	0.43 U	0.49 U	0.23 J	0.45 U	0.46 U
Bis(2-Chloroethoxy) Methane	--	--	--	MG/KG	0.2 U	0.23 U	0.2 U	0.21 U	0.22 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	--	MG/KG	0.17 U	0.19 U	0.16 U	0.18 U	0.18 U
Bis(2-Chloroisopropyl) Ether	--	--	--	MG/KG	0.22 U	0.26 U	0.22 U	0.24 U	0.24 U
Bis(2-Ethylhexyl) Phthalate	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
Carbazole	--	--	--	MG/KG	0.19 U	0.21 U	0.81	0.2 U	0.2 U
Chrysene	**1**	3.9	1	MG/KG	0.11 U	0.13 U	**3.6**	0.12 U	0.12 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.11 U	0.13 U	**0.65**	0.12 U	0.12 U
Dibenzofuran	7	59	210	MG/KG	0.19 U	0.21 U	0.87	0.2 U	0.2 U
Diethyl Phthalate	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
Dimethyl Phthalate	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
Di-N-Butyl Phthalate	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
Di-N-Octylphthalate	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
Fluoranthene	**100**	100	1000	MG/KG	0.11 U	0.13 U	6.2	0.12 U	0.12 U
Fluorene	30	100	386	MG/KG	0.19 U	0.21 U	0.94	0.2 U	0.2 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.11 U	0.13 U	0.11 U	0.12 U	0.12 U
Hexachlorobutadiene	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
Hexachlorocyclopentadiene	--	--	--	MG/KG	0.54 U	0.61 U	0.52 U	0.56 U	0.58 U
Hexachloroethane	--	--	--	MG/KG	0.15 U	0.17 U	0.14 U	0.16 U	0.16 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	0.15 U	0.17 U	**2.6**	0.16 U	0.16 U
Isophorone	--	--	--	MG/KG	0.17 U	0.19 U	0.16 U	0.18 U	0.18 U
Naphthalene	12	100	12	MG/KG	0.19 U	0.21 U	1.1	0.2 U	0.2 U
Nitrobenzene	--	--	--	MG/KG	0.17 U	0.19 U	0.16 U	0.18 U	0.18 U
N-Nitrosodi-N-Propylamine	--	--	--	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
N-Nitrosodiphenylamine	--	--	--	MG/KG	0.15 U	0.17 U	0.14 U	0.16 U	0.16 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.15 U	0.17 U	0.14 U	0.16 U	0.16 U
Phenanthrene	100	100	1000	MG/KG	0.11 U	0.13 U	6	0.12 U	0.12 U
Phenol	**0.33**	100	0.33	MG/KG	0.19 U	0.21 U	0.18 U	0.2 U	0.2 U
Pyrene	100	100	1000	MG/KG	0.11 U	0.13 U	5.8	0.12 U	0.12 U

Table 4. Summary of Metals in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-11	RXSB-11	RXSB-11	RXSB-12	RXSB-12
			Sample Date:		07/14/2021	07/14/2021	07/14/2021	07/14/2021	07/14/2021
			Sample Depth (ft bls):		1 - 3	7 - 9	13 - 15	1 - 3	1 - 3
			Normal Sample or Field Duplicate:		N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Aluminum	--	--	--	MG/KG	5880	5690	3210	6680	5830
Antimony	--	--	--	MG/KG	1.12 J	5.03 U	5.03 U	4.54 U	4.91 U
Arsenic	**13**	16	16	MG/KG	5.49	2.4	1.29	5.88	4.76
Barium	**350**	400	820	MG/KG	108	23.4	7.29	73.6	74
Beryllium	7.2	72	47	MG/KG	0.233 J	0.262 J	0.11 J	0.127 J	0.305 J
Cadmium	**2.5**	4.3	7.5	MG/KG	0.989	0.352 J	0.261 J	1.19	0.698 J
Calcium	--	--	--	MG/KG	33600	870	764	104000 J	37800 J
Chromium, Hexavalent	**1**	110	19	MG/KG	0.986 U	0.208 J	1.04 U	0.624 J	1.03 U
Chromium, Total	**30**	180	--	MG/KG	19.2	10.8	7.19	20.8	21
Cobalt	--	--	--	MG/KG	5.91	6.36	2.02	4.98	4.52
Copper	**50**	270	1720	MG/KG	29.9	9.6	1.37	27.8	24.6
Cyanide	27	27	40	MG/KG	0.63 J-	1.2 UJ	1.2 UJ	0.43 J-	0.52 J-
Iron	--	--	--	MG/KG	14800	12800	10300	13700	16100
Lead	**63**	400	450	MG/KG	**538**	5.98	3.26 J	**125 J**	**97.3**
Magnesium	--	--	--	MG/KG	3050	2740	1070	6030	4170
Manganese	1600	2000	2000	MG/KG	252	100	108	263	192
Mercury	**0.18**	0.81	0.73	MG/KG	**4.55**	0.083 U	0.082 U	**0.189**	**0.243**
Nickel	30	310	130	MG/KG	12.7	14.8	5.5	12.6	12.3
Potassium	--	--	--	MG/KG	897	639	320	926	940
Selenium	**3.9**	180	4	MG/KG	0.41 J	2.01 U	2.01 U	1.81 U	1.96 U
Silver	**2**	180	8.3	MG/KG	0.933 U	1.01 U	1 U	0.907 U	0.983 U
Sodium	--	--	--	MG/KG	173 J	40.4 J	140 J	315	294
Thallium	--	--	--	MG/KG	1.86 U	2.01 U	2.01 U	1.81 U	1.96 U
Vanadium	--	--	--	MG/KG	17.4	12	9.04	23.8	18.2
Zinc	**109**	10000	2480	MG/KG	**156**	34.7	10.8	**448 J**	**159 J**

Table 4. Summary of Metals in Soil, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	RXSB-12 07/14/2021 7 - 9 N	RXSB-12 07/14/2021 13 - 15 N	RXSB-13 07/12/2021 1 - 3 N	RXSB-13 07/12/2021 7 - 9 N	RXSB-13 07/19/2021 13 - 15 N
Sample Designation:					RXSB-12	RXSB-12	RXSB-13	RXSB-13	RXSB-13
Sample Date:					07/14/2021	07/14/2021	07/12/2021	07/12/2021	07/19/2021
Sample Depth (ft bls):					7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
Normal Sample or Field Duplicate:					N	N	N	N	N
Aluminum	--	--	--	MG/KG	5460	8520	3510	4520	5450
Antimony	--	--	--	MG/KG	4.65 U	4.68 U	1.66 J	0.819 J	4.99 U
Arsenic	**13**	16	16	MG/KG	2.19	6.76	5.99	9.3	1.41
Barium	**350**	400	820	MG/KG	12.4	20.6	180	221	56.2
Beryllium	7.2	72	47	MG/KG	0.223 J	0.44 J	0.164 J	0.263 J	0.289 J
Cadmium	**2.5**	4.3	7.5	MG/KG	0.326 J	0.982	0.382 J	0.507 J	0.209 J
Calcium	--	--	--	MG/KG	840	951	19300	16200	788
Chromium, Hexavalent	**1**	110	19	MG/KG	0.956 U	0.973 U	0.925 U	1 U	1.05 U
Chromium, Total	**30**	180	--	MG/KG	9.78	13.3	11	8.33	12
Cobalt	--	--	--	MG/KG	5.51	13.9	3.33	4.53	5.5
Copper	**50**	270	1720	MG/KG	9.8	13.5	**70.2**	**187**	9.29
Cyanide	27	27	40	MG/KG	1.2 UJ	1.2 UJ	1.9 J-	0.44 J-	1.2 UJ
Iron	--	--	--	MG/KG	11600	14500	8620	11300	14400
Lead	**63**	400	450	MG/KG	5.94	8.98	**713**	**733**	5.56
Magnesium	--	--	--	MG/KG	2540	2890	1260	6980	2440
Manganese	1600	2000	2000	MG/KG	82.1	96.4	250	695	242
Mercury	**0.18**	0.81	0.73	MG/KG	0.075 U	0.078 U	**1.16**	**0.494**	0.101 U
Nickel	30	310	130	MG/KG	12.5	25.2	7.96	10.6	13.6
Potassium	--	--	--	MG/KG	622	658	560	381	551
Selenium	**3.9**	180	4	MG/KG	1.86 U	1.87 U	1.82 U	1.95 U	1.99 U
Silver	**2**	180	8.3	MG/KG	0.93 U	0.936 U	0.91 U	0.975 U	0.997 U
Sodium	--	--	--	MG/KG	79.2 J	88.3 J	197	368	93.2 J
Thallium	--	--	--	MG/KG	1.86 U	0.59 J	1.82 U	1.95 U	1.99 U
Vanadium	--	--	--	MG/KG	12.5	35.2	12.4	15.7	14.5
Zinc	**109**	10000	2480	MG/KG	33.9	48	**207**	**189**	28.7

Table 4. Summary of Metals in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-14	RXSB-14	RXSB-14	RXSB-15	RXSB-15
			Sample Date:		07/12/2021	07/12/2021	07/12/2021	07/12/2021	07/12/2021
			Sample Depth (ft bls):		1 - 3	7 - 9	13 - 15	1 - 3	7 - 9
			Normal Sample or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Aluminum	--	--	--	MG/KG	5490	5900	5790	6810	5380
Antimony	--	--	--	MG/KG	4.44 U	5.19 U	4.88 U	4.43 U	4.2 U
Arsenic	**13**	16	16	MG/KG	1.92	3.59	1.53	6.42	1.61
Barium	**350**	400	820	MG/KG	38.1	22.4	6.37	172	18.5
Beryllium	7.2	72	47	MG/KG	0.231 J	0.27 J	0.234 J	0.328 J	0.235 J
Cadmium	**2.5**	4.3	7.5	MG/KG	0.347 J	0.322 J	0.273 J	**2.62**	0.277 J
Calcium	--	--	--	MG/KG	15600	1240	717	13900	731
Chromium, Hexavalent	**1**	110	19	MG/KG	0.912 U	1.08 U	1.02 U	0.918 U	0.885 U
Chromium, Total	**30**	180	--	MG/KG	11.6	10	10.5	18.5	21.9
Cobalt	--	--	--	MG/KG	5.06	5.44	4.33	8.95	3.74
Copper	**50**	270	1720	MG/KG	10.7	7.34	6.44	**302**	9.52
Cyanide	27	27	40	MG/KG	1.1 UJ	1.3 UJ	1.2 UJ	3.9 J-	1.1 UJ
Iron	--	--	--	MG/KG	11500	13600	11200	17700	12100
Lead	**63**	400	450	MG/KG	40.8	7.24	5.5	**848**	4.86
Magnesium	--	--	--	MG/KG	2390	2570	2060	4360	2130
Manganese	1600	2000	2000	MG/KG	210	155	84.4	1020	126
Mercury	**0.18**	0.81	0.73	MG/KG	0.073 U	0.086 U	0.08 U	**0.834**	0.07 U
Nickel	30	310	130	MG/KG	12.6	13.1	11.4	24.7	11.4
Potassium	--	--	--	MG/KG	614	527	430	642	471
Selenium	**3.9**	180	4	MG/KG	1.78 U	2.08 U	1.95 U	0.682 J	1.68 U
Silver	**2**	180	8.3	MG/KG	0.889 U	1.04 U	0.976 U	0.69 J	0.84 U
Sodium	--	--	--	MG/KG	78.1 J	73.5 J	92.9 J	244	59 J
Thallium	--	--	--	MG/KG	1.78 U	2.08 U	1.95 U	1.77 U	1.68 U
Vanadium	--	--	--	MG/KG	15	15	12.2	31.2	13
Zinc	**109**	10000	2480	MG/KG	51.1	27.8	22.4	**2040**	49.8

Table 4. Summary of Metals in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-15	RXSB-16	RXSB-16	RXSB-16	RXSB-16
			Sample Date:		07/12/2021	07/14/2021	07/14/2021	07/14/2021	07/14/2021
			Sample Depth (ft bls):		13 - 15	1 - 3	1 - 3	7 - 9	13 - 15
			Normal Sample or Field Duplicate:		N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Aluminum	--	--	--	MG/KG	5070	3740	3560	6170	7820
Antimony	--	--	--	MG/KG	4.71 U	2.26 J	1.44 J	4.58 U	4.89 U
Arsenic	**13**	16	16	MG/KG	0.998	**33.7**	**24**	2.97	1.56
Barium	**350**	400	820	MG/KG	16.6	**506**	**394**	33.1	7.56
Beryllium	7.2	72	47	MG/KG	0.245 J	0.393 J	0.348 J	0.275 J	0.264 J
Cadmium	**2.5**	4.3	7.5	MG/KG	0.301 J	2.18	1.91	0.384 J	0.294 J
Calcium	--	--	--	MG/KG	1000	5870	4360	1350	578
Chromium, Hexavalent	**1**	110	19	MG/KG	0.983 U	0.984 U	0.97 U	0.948 U	0.998 U
Chromium, Total	**30**	180	--	MG/KG	8.46	**62.2**	**59.6**	11.8	14.3
Cobalt	--	--	--	MG/KG	5	8.22	6.27	5.29	4.65
Copper	**50**	270	1720	MG/KG	8.07	**68.8**	**52**	7.34	5.04
Cyanide	27	27	40	MG/KG	1.2 UJ	4.8 J-	1.1 J-	1.1 UJ	1.2 UJ
Iron	--	--	--	MG/KG	11800	32700	20000	14700	12100
Lead	**63**	400	450	MG/KG	4.36 J	**1320**	**1090**	11.9	4.86 J
Magnesium	--	--	--	MG/KG	2150	1690 J	957 J	2360	2260
Manganese	1600	2000	2000	MG/KG	526	489	379	456	78.3
Mercury	**0.18**	0.81	0.73	MG/KG	0.078 U	**3.73 J**	**1.19 J**	0.074 U	0.078 U
Nickel	30	310	130	MG/KG	12	20	15	13.1	12.3
Potassium	--	--	--	MG/KG	477	805	531	519	523
Selenium	**3.9**	180	4	MG/KG	1.88 U	1.24 J	1.36 J	0.732 J	0.303 J
Silver	**2**	180	8.3	MG/KG	0.941 U	0.959 U	0.941 U	0.916 U	0.979 U
Sodium	--	--	--	MG/KG	67.4 J	178 J	132 J	76.7 J	155 J
Thallium	--	--	--	MG/KG	1.88 U	1.92 U	1.88 U	1.83 U	1.96 U
Vanadium	--	--	--	MG/KG	11.4	20.8	18.3	15.7	16.4
Zinc	**109**	10000	2480	MG/KG	23.8	**434**	**383**	27.8	29.7

Table 4. Summary of Metals in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:	RXSB-17	RXSB-17	RXSB-17	RXSB-18	RXSB-18
			Sample Date:	07/20/2021	07/21/2021	07/21/2021	07/21/2021	07/21/2021
			Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	1 - 3
			Normal Sample or Field Duplicate:	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Aluminum	--	--	--	MG/KG	3590	7850	5610	6050	5630
Antimony	--	--	--	MG/KG	3.94 J	4.78 U	4.74 U	4.16 U	4.23 U
Arsenic	**13**	16	16	MG/KG	**29 J**	4.27	2.16	7.76	5.89
Barium	**350**	400	820	MG/KG	**1240**	110	26.1	**376 J**	281
Beryllium	7.2	72	47	MG/KG	0.264 J	0.42 J	0.275 J	0.3 J	0.254 J
Cadmium	**2.5**	4.3	7.5	MG/KG	1.86 J	0.134 J	0.947 U	1.06	0.584 J
Calcium	--	--	--	MG/KG	10500	1630	807	29700	31600
Chromium, Hexavalent	**1**	110	19	MG/KG	**2.98 J**	1 UJ	0.982 UJ	0.636 J-	0.859 UJ
Chromium, Total	**30**	180	--	MG/KG	**94.8 J**	15.9	14.9	29.5 J	20.7
Cobalt	--	--	--	MG/KG	10.8 J	7.16	5.66	6.06	4.52
Copper	**50**	270	1720	MG/KG	**122**	16.4	9.33	45.4 J	43
Cyanide	27	27	40	MG/KG	1.6 J-	1.2 UJ	1.2 UJ	1.6 J-	1.5 J-
Iron	--	--	--	MG/KG	40500	19200	13900	28400	14400
Lead	**63**	400	450	MG/KG	**3560 J**	**65**	6.2	**868 J**	**596**
Magnesium	--	--	--	MG/KG	1220	2650	2420	2720 J	2560
Manganese	1600	2000	2000	MG/KG	522 J	734	112	678	333
Mercury	**0.18**	0.81	0.73	MG/KG	**60.5**	**0.836**	0.078 U	**2.44**	**1.14**
Nickel	30	310	130	MG/KG	23.9 J	18.4	13.9	11.8	10.6
Potassium	--	--	--	MG/KG	644	760	684	968	872
Selenium	**3.9**	180	4	MG/KG	2.18	0.716 J	0.246 J	1.09 J	0.812 J
Silver	**2**	180	8.3	MG/KG	0.909 U	0.955 U	0.947 U	0.833 U	0.846 U
Sodium	--	--	--	MG/KG	351	164 J	95.5 J	405	392
Thallium	--	--	--	MG/KG	1.82 U	1.91 U	1.89 U	1.66 U	1.69 U
Vanadium	--	--	--	MG/KG	21.3	22	14.1	14.8	12.2
Zinc	**109**	10000	2480	MG/KG	**1030 J**	51.1	28.8	**508 J**	**328**

Table 4. Summary of Metals in Soil, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	RXSB-18 07/28/2021 7 - 9 N	RXSB-18 07/28/2021 13 - 15 N	RXSB-19 07/26/2021 1 - 3 N	RXSB-19 07/27/2021 7 - 9 N	RXSB-19 07/27/2021 13 - 15 N
Sample Designation:					RXSB-18	RXSB-18	RXSB-19	RXSB-19	RXSB-19
Sample Date:					07/28/2021	07/28/2021	07/26/2021	07/27/2021	07/27/2021
Sample Depth (ft bls):					7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
Normal Sample or Field Duplicate:					N	N	N	N	N
Aluminum	--	--	--	MG/KG	6700	5470	3720	5360	3420
Antimony	--	--	--	MG/KG	4.82 U	4.74 U	3.49 J	4.77 U	4.83 U
Arsenic	**13**	16	16	MG/KG	4.93	3.91	**23.4**	2.41	1.3
Barium	**350**	400	820	MG/KG	73.7	44.7	181	40.9	18.6
Beryllium	7.2	72	47	MG/KG	0.356 J	0.294 J	0.327 J	0.286 J	0.126 J
Cadmium	**2.5**	4.3	7.5	MG/KG	0.26 J	0.948 U	1.14	0.114 J	0.967 U
Calcium	--	--	--	MG/KG	5440	1310	12300	5100	184
Chromium, Hexavalent	**1**	110	19	MG/KG	1.02 U	1 U	0.952 U	1 U	1 U
Chromium, Total	**30**	180	--	MG/KG	12.7	10.8	13.9	9.99	7.62
Cobalt	--	--	--	MG/KG	6.11	5.87	8.7	5.38	1.94
Copper	**50**	270	1720	MG/KG	33.8	11.6	**118**	9.42	2.68
Cyanide	27	27	40	MG/KG	1.2 UJ	1.2 UJ	0.3 J	1.2 UJ	1.2 UJ
Iron	--	--	--	MG/KG	16700	13800	21000	14700	6420
Lead	**63**	400	450	MG/KG	**167**	6.47	**856**	7.48	4.11 J
Magnesium	--	--	--	MG/KG	2730	2620	1250	3470	1020
Manganese	1600	2000	2000	MG/KG	347	153	446	469	42.2
Mercury	**0.18**	0.81	0.73	MG/KG	**0.195**	0.082 U	**2.37**	0.089 U	0.081 U
Nickel	30	310	130	MG/KG	14.3	13.9	14.2	13	4.48
Potassium	--	--	--	MG/KG	790	725	526	619	240 J
Selenium	**3.9**	180	4	MG/KG	0.742 J	1.9 U	**6.41**	0.506 J	1.93 U
Silver	**2**	180	8.3	MG/KG	0.963 U	0.948 U	**2.42**	0.955 U	0.967 U
Sodium	--	--	--	MG/KG	259	157 J	193	132 J	102 J
Thallium	--	--	--	MG/KG	0.337 J	1.9 U	1.82 U	1.91 U	1.93 U
Vanadium	--	--	--	MG/KG	14.8	11.6	16.5	13.5	7.36
Zinc	**109**	10000	2480	MG/KG	**172**	31.7	**825**	33.3	11

Table 4. Summary of Metals in Soil, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	RXSB-20 07/27/2021 1 - 3 N	RXSB-20 07/27/2021 7 - 9 N	RXSB-20 07/27/2021 13 - 15 N	RXSB-21 07/22/2021 1 - 3 N	RXSB-21 07/22/2021 7 - 9 N
Sample Designation:					RXSB-20	RXSB-20	RXSB-20	RXSB-21	RXSB-21
Sample Date:					07/27/2021	07/27/2021	07/27/2021	07/22/2021	07/22/2021
Sample Depth (ft bls):					1 - 3	7 - 9	13 - 15	1 - 3	7 - 9
Normal Sample or Field Duplicate:					N	N	N	N	N
Aluminum	--	--	--	MG/KG	5360 J	4790	5910	4290	4970
Antimony	--	--	--	MG/KG	4.79 J	5 U	4.75 U	0.474 J	0.752 J
Arsenic	**13**	16	16	MG/KG	**56.7**	3.09	2.43	8.42	6.03
Barium	**350**	400	820	MG/KG	124 J	56.5	10.6	148	180
Beryllium	7.2	72	47	MG/KG	0.313 J	0.26 J	0.247 J	0.062 J	0.168 J
Cadmium	**2.5**	4.3	7.5	MG/KG	0.418 J	0.11 J	0.114 J	1.06	0.982
Calcium	--	--	--	MG/KG	16400 J	3970	1100	7390	4740
Chromium, Hexavalent	**1**	110	19	MG/KG	0.907 U	1.05 U	0.986 U	0.923 U	0.93 U
Chromium, Total	**30**	180	--	MG/KG	18.3 J	9.12	9.08	12.2	10.7
Cobalt	--	--	--	MG/KG	6.73 J	5.56	7.4	5.12	4.19
Copper	**50**	270	1720	MG/KG	**83.5**	9.75	12.3	**209**	**589**
Cyanide	27	27	40	MG/KG	1 UJ	1.3 UJ	1.2 UJ	0.69 J-	1.1 UJ
Iron	--	--	--	MG/KG	14500	13300	12200	20400	14200
Lead	**63**	400	450	MG/KG	**9350 J**	5.97	6.07	**235**	**344**
Magnesium	--	--	--	MG/KG	3220 J	4060	3010	2020	1740
Manganese	1600	2000	2000	MG/KG	1180	241	94.8	252	148
Mercury	**0.18**	0.81	0.73	MG/KG	**1.08 J**	0.109 U	0.09 U	**0.454**	**1.87**
Nickel	30	310	130	MG/KG	11.7	13.3	14.4	11.2	10.8
Potassium	--	--	--	MG/KG	1170	683	405	692	551
Selenium	**3.9**	180	4	MG/KG	**4.53**	0.41 J	0.437 J	1.76 U	1.77 U
Silver	**2**	180	8.3	MG/KG	**19.5 J**	1 U	0.951 U	0.878 U	0.884 U
Sodium	--	--	--	MG/KG	732	136 J	105 J	155 J	314
Thallium	--	--	--	MG/KG	1.74 U	2 U	1.9 U	1.76 U	1.77 U
Vanadium	--	--	--	MG/KG	19.8	12.5	10.7	30.5	15.4
Zinc	**109**	10000	2480	MG/KG	**192 J**	35.7	43.2	**298**	**400**

Table 4. Summary of Metals in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-21	RXSB-22	RXSB-22	RXSB-22	RXSB-23
			Sample Date:		07/22/2021	07/19/2021	07/19/2021	07/19/2021	07/16/2021
			Sample Depth (ft bls):		13 - 15	1 - 3	9 - 10	15 - 17	1 - 3
			Normal Sample or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Aluminum	--	--	--	MG/KG	5050	6410	5950	5980	3910
Antimony	--	--	--	MG/KG	5.02 U	0.657 J	5.01 U	4.86 U	4.25 U
Arsenic	**13**	16	16	MG/KG	1.91	6.53	1.02	1.3	8.34
Barium	**350**	400	820	MG/KG	23.4	**496**	29.2	19.6	73.7
Beryllium	7.2	72	47	MG/KG	0.271 J	0.307 J	0.281 J	0.331 J	0.306 J
Cadmium	**2.5**	4.3	7.5	MG/KG	1 U	0.789 J	0.19 J	0.321 J	0.247 J
Calcium	--	--	--	MG/KG	1140	24700	828	808	9880
Chromium, Hexavalent	**1**	110	19	MG/KG	1.01 U	0.592 J	0.892 J	0.32 J	0.868 U
Chromium, Total	**30**	180	--	MG/KG	10.4	25.9	11	12.9	10
Cobalt	--	--	--	MG/KG	4.49	10.6	5.13	4.71	6.53
Copper	**50**	270	1720	MG/KG	10.7	**96.4**	7.88	10.4	**58.4**
Cyanide	27	27	40	MG/KG	1.2 UJ	3.9 J-	1.2 UJ	1.1 UJ	0.59 J-
Iron	--	--	--	MG/KG	12100	19000	11800	14000	18000
Lead	**63**	400	450	MG/KG	6.29	**1660**	7.76	13.2	**504**
Magnesium	--	--	--	MG/KG	2400	4680	2510	2400	2930
Manganese	1600	2000	2000	MG/KG	218	1170	86.3	91.6	553
Mercury	**0.18**	0.81	0.73	MG/KG	0.103 U	**0.673**	0.09 U	0.088 U	**0.278**
Nickel	30	310	130	MG/KG	11.7	14.2	14.2	11.9	11.6
Potassium	--	--	--	MG/KG	624	738	488	498	979
Selenium	**3.9**	180	4	MG/KG	2.01 U	1.16 J	2 U	1.94 U	1.31 J
Silver	**2**	180	8.3	MG/KG	1 U	0.876 U	1 U	0.973 U	0.851 U
Sodium	--	--	--	MG/KG	144 J	497	71.8 J	169 J	182
Thallium	--	--	--	MG/KG	2.01 U	1.75 U	2 U	1.94 U	1.7 U
Vanadium	--	--	--	MG/KG	12.2	21.2	12.2	14.8	16.7
Zinc	**109**	10000	2480	MG/KG	30.8	**229**	29.4	31.5	82.9

Table 4. Summary of Metals in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-23	RXSB-23	RXSB-24	RXSB-24	RXSB-24
			Sample Date:		07/16/2021	07/16/2021	07/16/2021	07/16/2021	07/16/2021
			Sample Depth (ft bls):		7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
			Normal Sample or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
Aluminum	--	--	--	MG/KG	6820	5080	5200	4580	4550
Antimony	--	--	--	MG/KG	4.27 U	5.09 U	4.37 U	4.7 U	4.83 U
Arsenic	**13**	16	16	MG/KG	2.62	2.72	**13.8**	1.69	1.55
Barium	**350**	400	820	MG/KG	24.5	10.6	135	12.6	8.69
Beryllium	7.2	72	47	MG/KG	0.341 J	0.244 J	0.271 J	0.263 J	0.251 J
Cadmium	**2.5**	4.3	7.5	MG/KG	0.102 J	1.02 U	0.481 J	0.94 U	0.966 U
Calcium	--	--	--	MG/KG	799	859	21100	590	710
Chromium, Hexavalent	**1**	110	19	MG/KG	0.9 U	1.04 U	0.897 U	0.452 J	0.322 J
Chromium, Total	**30**	180	--	MG/KG	10.6	9.8	12.5	9.68	8.34
Cobalt	--	--	--	MG/KG	5.62	5.29	6.83	5.63	4.42
Copper	**50**	270	1720	MG/KG	7.61	7.92	**128**	9.08	7.28
Cyanide	27	27	40	MG/KG	1.1 UJ	1.3 UJ	1 UJ	1.1 UJ	1.1 UJ
Iron	--	--	--	MG/KG	15200	13700	28600	10700	11000
Lead	**63**	400	450	MG/KG	5.71	6.28	**471**	4.64 J	4.85
Magnesium	--	--	--	MG/KG	2280	2200	3620	2020	1920
Manganese	1600	2000	2000	MG/KG	346	90.9	945	82.3	89
Mercury	**0.18**	0.81	0.73	MG/KG	0.071 U	0.083 U	**2.01**	0.078 U	0.079 U
Nickel	30	310	130	MG/KG	13.8	11.6	14.3	12.3	9.92
Potassium	--	--	--	MG/KG	483	514	793	544	539
Selenium	**3.9**	180	4	MG/KG	0.435 J	2.04 U	1.68 J	1.88 U	1.93 U
Silver	**2**	180	8.3	MG/KG	0.853 U	1.02 U	0.874 U	0.94 U	0.966 U
Sodium	--	--	--	MG/KG	422	106 J	172 J	59.3 J	134 J
Thallium	--	--	--	MG/KG	1.71 U	2.04 U	1.75 U	1.88 U	1.93 U
Vanadium	--	--	--	MG/KG	15.6	13.2	18.6	10.9	10.6
Zinc	**109**	10000	2480	MG/KG	26.7	25.5	**196**	27.9	23.8

Table 5. Summary of Polychlorinated Biphenyls in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-11	RXSB-11	RXSB-11	RXSB-12	RXSB-12
			Sample Date:		07/14/2021	07/14/2021	07/14/2021	07/14/2021	07/14/2021
			Sample Depth (ft bls):		1 - 3	7 - 9	13 - 15	1 - 3	1 - 3
			Normal Sample or Field Duplicate:		N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.0403 U	0.0419 U	0.0432 U	0.0364 U	0.0427 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.0403 U	0.0419 U	0.0432 U	0.0364 U	0.0427 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.0403 U	0.0419 U	0.0432 U	0.0364 U	0.0427 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.0403 U	0.0419 U	0.0432 U	0.0364 U	0.0427 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.0403 U	0.0419 U	0.0432 U	0.0364 U	0.0427 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.0403 U	0.0419 U	0.0432 U	0.0314 J	0.0276 J
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.00988 J	0.0419 U	0.0432 U	0.0104 J	0.00965 J
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.0403 U	0.0419 U	0.0432 U	0.0364 U	0.0427 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.0403 U	0.0419 U	0.0432 U	0.0364 U	0.0427 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	MG/KG	0.00988 J	0.0419 U	0.0432 U	0.0418 J	0.0373 J

Table 5. Summary of Polychlorinated Biphenyls in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-12	RXSB-12	RXSB-13	RXSB-13	RXSB-13
			Sample Date:		07/14/2021	07/14/2021	07/12/2021	07/12/2021	07/19/2021
			Sample Depth (ft bls):		7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
			Normal Sample or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.0394 U	0.0386 U	0.0367 U	0.0406 U	0.0432 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.0394 U	0.0386 U	0.0367 U	0.0406 U	0.0432 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.0394 U	0.0386 U	0.0367 U	0.0406 U	0.0432 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.0394 U	0.0386 U	0.0367 U	0.0406 U	0.0432 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.0394 U	0.0386 U	0.0367 U	0.0406 U	0.0432 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.0394 U	0.0386 U	0.0367 U	0.0406 U	0.0432 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.0394 U	0.0386 U	0.0367 U	0.0406 U	0.0432 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.0394 U	0.0386 U	0.0367 U	0.0406 U	0.0432 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.0394 U	0.0386 U	0.0367 U	0.0406 U	0.0432 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	MG/KG	0.0394 U	0.0386 U	0.0367 U	0.0406 U	0.0432 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-14	RXSB-14	RXSB-14	RXSB-15	RXSB-15
			Sample Date:		07/12/2021	07/12/2021	07/12/2021	07/12/2021	07/12/2021
			Sample Depth (ft bls):		1 - 3	7 - 9	13 - 15	1 - 3	7 - 9
			Normal Sample or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.0363 U	0.044 U	0.0418 U	0.0375 U	0.0351 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.0363 U	0.044 U	0.0418 U	0.0375 U	0.0351 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.0363 U	0.044 U	0.0418 U	0.0375 U	0.0351 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.0363 U	0.044 U	0.0418 U	0.0375 U	0.0351 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.0363 U	0.044 U	0.0418 U	0.0375 U	0.0351 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.00421 J	0.044 U	0.0418 U	0.00565 J	0.0351 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.0363 U	0.044 U	0.0418 U	0.0375 U	0.0351 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.0363 U	0.044 U	0.0418 U	0.0375 U	0.0351 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.0363 U	0.044 U	0.0418 U	0.0375 U	0.0351 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	MG/KG	0.00421 J	0.044 U	0.0418 U	0.00565 J	0.0351 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-15	RXSB-16	RXSB-16	RXSB-16	RXSB-16
			Sample Date:		07/12/2021	07/14/2021	07/14/2021	07/14/2021	07/14/2021
			Sample Depth (ft bls):		13 - 15	1 - 3	1 - 3	7 - 9	13 - 15
			Normal Sample or Field Duplicate:		N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.0397 U	0.0393 U	0.0401 U	0.0384 U	0.041 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.0397 U	0.0393 U	0.0401 U	0.0384 U	0.041 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.0397 U	0.0393 U	0.0401 U	0.0384 U	0.041 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.0397 U	0.0393 U	0.0401 U	0.0384 U	0.041 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.0397 U	0.0393 U	0.0401 U	0.0384 U	0.041 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.0397 U	0.0393 U	0.0401 U	0.0384 U	0.041 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.0397 U	0.0113 J	0.00938 J	0.0384 U	0.041 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.0397 U	0.0393 U	0.0401 U	0.0384 U	0.041 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.0397 U	0.0393 U	0.0401 U	0.0384 U	0.041 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	MG/KG	0.0397 U	0.0113 J	0.00938 J	0.0384 U	0.041 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-17	RXSB-17	RXSB-17	RXSB-18	RXSB-18
			Sample Date:		07/20/2021	07/21/2021	07/21/2021	07/21/2021	07/21/2021
			Sample Depth (ft bls):		1 - 3	7 - 9	13 - 15	1 - 3	1 - 3
			Normal Sample or Field Duplicate:		N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.0387 U	0.0402 U	0.0402 U	0.0346 U	0.0342 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.0387 U	0.0402 U	0.0402 U	0.0346 U	0.0342 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.0387 U	0.0402 U	0.0402 U	0.0346 U	0.0342 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.0387 U	0.0402 U	0.0402 U	0.0346 U	0.0342 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.0387 U	0.0402 U	0.0402 U	0.0346 U	0.0342 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.0387 U	0.0402 U	0.0402 U	0.0346 U	0.0342 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.0387 U	0.0402 U	0.0402 U	0.0346 U	0.0342 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.0387 U	0.0402 U	0.0402 U	0.0346 U	0.0342 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.0387 U	0.0402 U	0.0402 U	0.0346 U	0.0342 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	MG/KG	0.0387 U	0.0402 U	0.0402 U	0.0346 U	0.0342 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-18	RXSB-18	RXSB-19	RXSB-19	RXSB-19
			Sample Date:		07/28/2021	07/28/2021	07/26/2021	07/27/2021	07/27/2021
			Sample Depth (ft bls):		7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
			Normal Sample or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.041 U	0.0395 U	0.0387 U	0.0409 U	0.0394 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.041 U	0.0395 U	0.0387 U	0.0409 U	0.0394 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.041 U	0.0395 U	0.0387 U	0.0409 U	0.0394 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.041 U	0.0395 U	0.0387 U	0.0409 U	0.0394 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.041 U	0.0395 U	0.0387 U	0.0437	0.0394 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.041 U	0.0395 U	0.00993 J	0.0409 U	0.0394 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.041 U	0.0395 U	0.0086 J	0.0409 U	0.0394 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.041 U	0.0395 U	0.0387 U	0.0409 U	0.0394 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.041 U	0.0395 U	0.00636 J	0.0409 U	0.0394 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	MG/KG	0.041 U	0.0395 U	0.0249 J	0.0437	0.0394 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-20	RXSB-20	RXSB-20	RXSB-21	RXSB-21
			Sample Date:		07/27/2021	07/27/2021	07/27/2021	07/22/2021	07/22/2021
			Sample Depth (ft bls):		1 - 3	7 - 9	13 - 15	1 - 3	7 - 9
			Normal Sample or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.0366 U	0.0421 U	0.0404 U	0.0382 U	0.0378 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.0366 U	0.0421 U	0.0404 U	0.0382 U	0.0378 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.0366 U	0.0421 U	0.0404 U	0.0382 U	0.0378 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.0366 U	0.0421 U	0.0404 U	0.0382 U	0.0378 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.0366 U	0.112	0.00778 J	0.0382 U	0.0378 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.0366 U	0.0421 U	0.0404 U	0.0323 J	0.0378 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.0366 U	0.0421 U	0.0404 U	0.0382 U	0.0378 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.0366 U	0.0421 U	0.0404 U	0.0382 U	0.0378 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.0366 U	0.0421 U	0.0404 U	0.0382 U	0.0378 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	MG/KG	0.0366 U	**0.112**	0.00778 J	0.0323 J	0.0378 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-21	RXSB-22	RXSB-22	RXSB-22	RXSB-23
			Sample Date:		07/22/2021	07/19/2021	07/19/2021	07/19/2021	07/16/2021
			Sample Depth (ft bls):		13 - 15	1 - 3	9 - 10	15 - 17	1 - 3
			Normal Sample or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.0398 U	0.036 U	0.0416 U	0.0392 U	0.0361 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.0398 U	0.036 U	0.0416 U	0.0392 U	0.0361 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.0398 U	0.036 U	0.0416 U	0.0392 U	0.0361 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.0398 U	0.036 U	0.0416 U	0.0392 U	0.0361 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.0398 U	0.00702 J	0.0416 U	0.0392 U	0.0361 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.0398 U	0.036 U	0.0416 U	0.0392 U	0.0361 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.0398 U	0.036 U	0.0416 U	0.0392 U	0.0361 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.0398 U	0.036 U	0.0416 U	0.0392 U	0.0361 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.0398 U	0.036 U	0.0416 U	0.0392 U	0.0361 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	MG/KG	0.0398 U	0.00702 J	0.0416 U	0.0392 U	0.0361 U

Table 5. Summary of Polychlorinated Biphenyls in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-23	RXSB-23	RXSB-24	RXSB-24	RXSB-24
			Sample Date:		07/16/2021	07/16/2021	07/16/2021	07/16/2021	07/16/2021
			Sample Depth (ft bls):		7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
			Normal Sample or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.0356 U	0.0414 U	0.0354 U	0.0391 U	0.0396 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.0356 U	0.0414 U	0.0354 U	0.0391 U	0.0396 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.0356 U	0.0414 U	0.0354 U	0.0391 U	0.0396 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.0356 U	0.0414 U	0.0354 U	0.0391 U	0.0396 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.0356 U	0.0414 U	0.0354 U	0.0391 U	0.0396 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.0356 U	0.0414 U	0.0354 U	0.0391 U	0.0396 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.0356 U	0.0414 U	0.0354 U	0.0391 U	0.0396 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.0356 U	0.0414 U	0.0354 U	0.0391 U	0.0396 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.0356 U	0.0414 U	0.0354 U	0.0391 U	0.0396 U
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	MG/KG	0.0356 U	0.0414 U	0.0354 U	0.0391 U	0.0396 U

Table 6. Summary of Pesticides and Herbicides in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-11	RXSB-11	RXSB-11	RXSB-12	RXSB-12
			Sample Date:		07/14/2021	07/14/2021	07/14/2021	07/14/2021	07/14/2021
			Sample Depth (ft bls):		1 - 3	7 - 9	13 - 15	1 - 3	1 - 3
			Normal Sample or Field Duplicate:		N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	MG/KG	0.203 U	0.212 U	0.215 U	0.188 U	0.213 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	MG/KG	0.203 U	0.212 U	0.215 U	0.188 U	0.213 U
Aldrin	0.005	0.097	0.19	MG/KG	0.00967 U	0.00198 U	0.002 U	0.00902 U	0.0101 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.00403 U	0.000827 U	0.000834 U	0.00376 U	0.00422 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.00967 U	0.00198 U	0.002 U	0.00902 U	0.0101 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.00967 U	0.00198 U	0.002 U	0.00902 U	0.0101 U
Beta Endosulfan	2.4	24	102	MG/KG	0.00967 U	0.00198 U	0.002 U	0.00902 U	0.0101 U
Chlordane	--	--	--	MG/KG	0.0806 U	0.0165 U	0.0167 U	0.305 J	0.258
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.0121 U	0.00248 U	0.0025 U	0.0244 J	0.027 J
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.00967 U	0.00198 U	0.002 U	0.00902 U	0.0101 U
Dieldrin	**0.005**	0.2	0.1	MG/KG	0.00604 U	0.00124 U	0.00125 U	0.00564 U	0.00633 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.00403 U	0.000827 U	0.000834 U	0.00376 U	0.00422 U
Endrin	0.014	11	0.06	MG/KG	0.00403 U	0.000827 U	0.000834 U	0.00376 U	0.00422 U
Endrin Aldehyde	--	--	--	MG/KG	0.0121 U	0.00248 U	0.0025 U	0.0113 U	0.0126 U
Endrin Ketone	--	--	--	MG/KG	0.00967 U	0.00198 U	0.002 U	0.00902 U	0.0101 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.00403 U	0.000827 U	0.000834 U	0.00376 U	0.00422 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.00484 U	0.000992 U	0.001 U	0.00451 U	0.00506 U
Heptachlor Epoxide	--	--	--	MG/KG	0.0181 U	0.00372 U	0.00375 U	0.0169 U	0.019 U
Methoxychlor	--	--	--	MG/KG	0.0181 U	0.00372 U	0.00375 U	0.0169 U	0.019 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.00967 U	0.00198 U	0.002 U	0.00902 U	0.0101 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.00967 U	0.00198 U	0.002 U	**0.0129 J**	**0.0154 J**
P,P'-DDT	**0.0033**	7.9	136	MG/KG	**0.0118 J+**	0.00372 U	0.00375 U	0.0169 U	0.019 U
Silvex (2,4,5-TP)	3.8	100	3.8	MG/KG	0.203 U	0.212 U	0.215 U	0.188 U	0.213 U
Toxaphene	--	--	--	MG/KG	0.181 U	0.0372 U	0.0375 U	0.169 U	0.19 U
trans-Chlordane	--	--	--	MG/KG	0.0121 U	0.00248 U	0.0025 U	0.0275 J	0.0298 J

Table 6. Summary of Pesticides and Herbicides in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-12	RXSB-12	RXSB-13	RXSB-13	RXSB-13
				Sample Date:	07/14/2021	07/14/2021	07/12/2021	07/12/2021	07/19/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	MG/KG	0.194 U	0.198 U	0.19 U	0.206 U	0.212 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	MG/KG	0.194 U	0.198 U	0.19 U	0.206 U	0.212 U
Aldrin	0.005	0.097	0.19	MG/KG	0.0019 U	0.00188 U	0.00889 U	0.00195 U	0.00201 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.000792 U	0.000782 U	0.0037 U	0.000862 J	0.000838 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.0019 U	0.00188 U	0.00889 U	0.00195 U	0.00201 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.0019 U	0.00188 U	0.00889 U	0.00195 U	0.00201 U
Beta Endosulfan	2.4	24	102	MG/KG	0.0019 U	0.00188 U	0.00889 U	0.00195 U	0.00201 U
Chlordane	--	--	--	MG/KG	0.0158 U	0.0156 U	0.196	0.0163 U	0.0168 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.00238 U	0.00234 U	0.0265	0.00244 U	0.00252 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.0019 U	0.00188 U	0.00889 U	0.00195 U	0.00201 U
Dieldrin	**0.005**	0.2	0.1	MG/KG	0.00119 U	0.00117 U	**0.059**	0.00122 U	0.00126 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.000792 U	0.000782 U	0.0037 U	0.000814 U	0.000838 U
Endrin	0.014	11	0.06	MG/KG	0.000792 U	0.000782 U	0.0037 U	0.000814 U	0.000838 U
Endrin Aldehyde	--	--	--	MG/KG	0.00238 U	0.00234 U	0.0111 U	0.00244 U	0.00252 U
Endrin Ketone	--	--	--	MG/KG	0.0019 U	0.00188 U	0.00889 U	0.00195 U	0.00201 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.000792 U	0.000782 U	0.0037 U	0.000814 U	0.000838 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.000951 U	0.000938 U	0.00445 U	0.000977 U	0.00101 U
Heptachlor Epoxide	--	--	--	MG/KG	0.00356 U	0.00352 U	0.0167 U	0.00366 U	0.00377 U
Methoxychlor	--	--	--	MG/KG	0.00356 U	0.00352 U	0.0167 U	0.00366 U	0.00377 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.0019 U	0.00188 U	0.00889 U	0.00195 U	0.00201 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.0019 U	0.00188 U	0.00889 U	0.00195 U	0.00201 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.00356 U	0.00352 U	0.0167 U	0.00366 U	0.00377 U
Silvex (2,4,5-TP)	3.8	100	3.8	MG/KG	0.194 U	0.198 U	0.19 U	0.206 U	0.212 U
Toxaphene	--	--	--	MG/KG	0.0356 U	0.0352 U	0.167 U	0.0366 U	0.0377 U
trans-Chlordane	--	--	--	MG/KG	0.00238 U	0.00234 U	0.0262	0.00244 U	0.00252 U

Table 6. Summary of Pesticides and Herbicides in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-14	RXSB-14	RXSB-14	RXSB-15	RXSB-15
			Sample Date:		07/12/2021	07/12/2021	07/12/2021	07/12/2021	07/12/2021
			Sample Depth (ft bls):		1 - 3	7 - 9	13 - 15	1 - 3	7 - 9
			Normal Sample or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	MG/KG	0.188 U	0.224 U	0.207 U	0.189 U	0.179 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	MG/KG	0.188 U	0.224 U	0.207 U	0.189 U	0.179 U
Aldrin	0.005	0.097	0.19	MG/KG	0.00173 U	0.00205 U	0.00195 U	0.00178 U	0.00175 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.000721 U	0.000854 U	0.000814 U	0.000743 U	0.000728 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.00173 U	0.00205 U	0.00195 U	0.00178 U	0.00175 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.00173 U	0.00205 U	0.00195 U	0.00178 U	0.00175 U
Beta Endosulfan	2.4	24	102	MG/KG	0.00173 U	0.00205 U	0.00195 U	0.00178 U	0.00175 U
Chlordane	--	--	--	MG/KG	0.0144 U	0.0171 U	0.0163 U	0.0148 U	0.0146 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.00216 U	0.00256 U	0.00244 U	0.00223 U	0.00218 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.00173 U	0.00205 U	0.00195 U	0.00178 U	0.00175 U
Dieldrin	**0.005**	0.2	0.1	MG/KG	0.00108 U	0.00128 U	0.00122 U	0.00111 U	0.00109 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.000721 U	0.000854 U	0.000814 U	0.000743 U	0.000728 U
Endrin	0.014	11	0.06	MG/KG	0.000721 U	0.000854 U	0.000814 U	0.000743 U	0.000728 U
Endrin Aldehyde	--	--	--	MG/KG	0.00216 U	0.00256 U	0.00244 U	0.00223 U	0.00218 U
Endrin Ketone	--	--	--	MG/KG	0.00173 U	0.00205 U	0.00195 U	0.00178 U	0.00175 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.000721 U	0.000854 U	0.000814 U	0.000743 U	0.000728 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.000865 U	0.00102 U	0.000977 U	0.000891 U	0.000874 U
Heptachlor Epoxide	--	--	--	MG/KG	0.00324 U	0.00384 U	0.00366 U	0.00334 U	0.00328 U
Methoxychlor	--	--	--	MG/KG	0.00324 U	0.00384 U	0.00366 U	0.00334 U	0.00328 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.002	0.00192 J	0.00195 U	0.00178 U	0.00175 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.0016 J	0.00205 U	0.00195 U	0.0022	0.00175 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.00324 U	0.00384 U	0.00366 U	0.00334 U	0.00328 U
Silvex (2,4,5-TP)	3.8	100	3.8	MG/KG	0.188 U	0.224 U	0.207 U	0.189 U	0.179 U
Toxaphene	--	--	--	MG/KG	0.0324 U	0.0384 U	0.0366 U	0.0334 U	0.0328 U
trans-Chlordane	--	--	--	MG/KG	0.00216 U	0.00256 U	0.00244 U	0.00223 U	0.00218 U

Table 6. Summary of Pesticides and Herbicides in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-15	RXSB-16	RXSB-16	RXSB-16	RXSB-16
			Sample Date:		07/12/2021	07/14/2021	07/14/2021	07/14/2021	07/14/2021
			Sample Depth (ft bls):		13 - 15	1 - 3	1 - 3	7 - 9	13 - 15
			Normal Sample or Field Duplicate:		N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	MG/KG	0.203 U	0.199 U	0.201 U	0.196 U	0.206 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	MG/KG	0.203 U	0.199 U	0.201 U	0.196 U	0.206 U
Aldrin	0.005	0.097	0.19	MG/KG	0.0019 U	0.00525 U	0.00188 U	0.0049 U	0.00196 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.00079 U	0.00219 U	0.000785 U	0.00204 U	0.000817 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.0019 U	0.00525 U	0.00188 U	0.0049 U	0.00196 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.0019 U	0.00525 U	0.00188 U	0.0049 U	0.00196 U
Beta Endosulfan	2.4	24	102	MG/KG	0.0019 U	0.00525 U	0.00188 U	0.0049 U	0.00196 U
Chlordane	--	--	--	MG/KG	0.0158 U	0.0438 U	0.0157 U	0.0408 U	0.0163 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.00237 U	0.00656 U	0.00236 U	0.00613 U	0.00245 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.0019 U	0.00525 U	0.00188 U	0.0049 U	0.00196 U
Dieldrin	**0.005**	0.2	0.1	MG/KG	0.00118 U	0.00238 J	0.00118 U	0.00306 U	0.00122 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.00079 U	0.00219 U	0.000785 U	0.00204 U	0.000817 U
Endrin	0.014	11	0.06	MG/KG	0.00079 U	0.00219 U	0.000785 U	0.00204 U	0.000817 U
Endrin Aldehyde	--	--	--	MG/KG	0.00237 U	0.00656 U	0.00236 U	0.00613 U	0.00245 U
Endrin Ketone	--	--	--	MG/KG	0.0019 U	0.00525 U	0.00188 U	0.0049 U	0.00196 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.00079 U	0.00219 U	0.000785 U	0.00204 U	0.000817 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.000948 U	0.00263 U	0.000942 U	0.00245 U	0.00098 U
Heptachlor Epoxide	--	--	--	MG/KG	0.00356 U	0.00985 U	0.00353 U	0.00919 U	0.00368 U
Methoxychlor	--	--	--	MG/KG	0.00356 U	0.00985 U	0.00353 U	0.00919 U	0.00368 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.0019 U	0.00525 U	0.00188 U	0.0049 U	0.00196 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.0019 U	**0.00967**	**0.00551**	0.0049 U	0.00196 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.00356 U	**0.0159**	**0.0114**	0.00919 U	0.00368 U
Silvex (2,4,5-TP)	3.8	100	3.8	MG/KG	0.203 U	0.199 U	0.201 U	0.196 U	0.206 U
Toxaphene	--	--	--	MG/KG	0.0356 U	0.0985 U	0.0353 U	0.0919 U	0.0368 U
trans-Chlordane	--	--	--	MG/KG	0.00237 U	0.00656 U	0.00236 U	0.00613 U	0.00245 U

Table 6. Summary of Pesticides and Herbicides in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-17	RXSB-17	RXSB-17	RXSB-18	RXSB-18
			Sample Date:		07/20/2021	07/21/2021	07/21/2021	07/21/2021	07/21/2021
			Sample Depth (ft bls):		1 - 3	7 - 9	13 - 15	1 - 3	1 - 3
			Normal Sample or Field Duplicate:		N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	MG/KG	0.197 U	0.205 U	0.2 U	0.176 U	0.174 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	MG/KG	0.197 U	0.205 U	0.2 U	0.176 U	0.174 U
Aldrin	0.005	0.097	0.19	MG/KG	0.0094 U	0.00197 U	0.00192 U	0.00162 U	0.00165 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.00392 U	0.000822 U	0.0008 U	0.000676 U	0.000688 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.0094 U	0.00197 U	0.00192 U	0.00162 U	0.00165 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.0094 U	0.00197 U	0.00192 U	0.00162 U	0.00165 U
Beta Endosulfan	2.4	24	102	MG/KG	0.0094 U	0.00197 U	0.00192 U	0.00162 U	0.00165 U
Chlordane	--	--	--	MG/KG	0.0783 U	0.0164 U	0.016 U	0.0135 U	0.0138 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.0117 U	0.00246 U	0.0024 U	0.00203 U	0.00206 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.0094 U	0.00197 U	0.00192 U	0.00162 U	0.00165 U
Dieldrin	**0.005**	0.2	0.1	MG/KG	0.00587 U	0.00123 U	0.00152 J	0.00101 U	0.00103 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.00392 U	0.000822 U	0.0008 U	0.000676 U	0.000688 U
Endrin	0.014	11	0.06	MG/KG	0.00392 U	0.000822 U	0.0008 U	0.000676 U	0.000688 U
Endrin Aldehyde	--	--	--	MG/KG	0.0117 U	0.00246 U	0.0024 U	0.00203 U	0.00206 U
Endrin Ketone	--	--	--	MG/KG	0.0094 U	0.00197 U	0.00192 U	0.00162 U	0.00165 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.00392 U	0.000822 U	0.0008 U	0.000676 U	0.000688 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.0047 U	0.000986 U	0.00096 U	0.000812 U	0.000826 U
Heptachlor Epoxide	--	--	--	MG/KG	0.0176 U	0.0037 U	0.0036 U	0.00304 U	0.0031 U
Methoxychlor	--	--	--	MG/KG	0.0176 U	0.0037 U	0.0036 U	0.00304 U	0.0031 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.0094 U	0.00197 U	0.00192 U	0.00162 U	0.00165 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.0094 U	0.00197 U	0.00192 U	0.00162 U	0.00165 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.0176 U	0.0037 U	0.0036 U	0.00304 U	0.0031 U
Silvex (2,4,5-TP)	3.8	100	3.8	MG/KG	0.197 U	0.205 U	0.2 U	0.176 U	0.174 U
Toxaphene	--	--	--	MG/KG	0.176 U	0.037 U	0.036 U	0.0304 U	0.031 U
trans-Chlordane	--	--	--	MG/KG	0.0117 U	0.00246 U	0.0024 U	0.00203 U	0.00206 U

Table 6. Summary of Pesticides and Herbicides in Soil, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units	Sample Designation: RXSB-18	RXSB-18	RXSB-19	RXSB-19	RXSB-19
					Sample Date: 07/28/2021	07/28/2021	07/26/2021	07/27/2021	07/27/2021
					Sample Depth (ft bls): 7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
					Normal Sample or Field Duplicate: N	N	N	N	N
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	MG/KG	0.206 U	0.203 U	0.197 U	0.202 U	0.206 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	MG/KG	0.206 U	0.203 U	0.197 U	0.202 U	0.206 U
Aldrin	0.005	0.097	0.19	MG/KG	0.00197 U	0.00198 U	0.00186 U	0.00196 U	0.00199 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.000819 U	0.000824 U	0.000774 U	0.000818 U	0.00083 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.00197 U	0.00198 U	0.00186 U	0.00196 U	0.00199 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.00197 U	0.00198 U	0.00186 U	0.00196 U	0.00199 U
Beta Endosulfan	2.4	24	102	MG/KG	0.00197 U	0.00198 U	0.00186 U	0.00196 U	0.00199 U
Chlordane	--	--	--	MG/KG	0.0164 U	0.0165 U	0.0155 U	0.0164 U	0.0166 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.00246 U	0.00247 U	0.00232 U	0.00245 U	0.00249 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.00197 U	0.00198 U	0.00186 U	0.00196 U	0.00199 U
Dieldrin	**0.005**	0.2	0.1	MG/KG	0.00123 U	0.00124 U	0.00116 U	0.00123 U	0.00124 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.000819 U	0.000824 U	0.000774 U	0.000818 U	0.00083 U
Endrin	0.014	11	0.06	MG/KG	0.000819 U	0.000824 U	0.000774 U	0.000818 U	0.00083 U
Endrin Aldehyde	--	--	--	MG/KG	0.00246 U	0.00247 U	0.00232 U	0.00245 U	0.00249 U
Endrin Ketone	--	--	--	MG/KG	0.00197 U	0.00198 U	0.00186 U	0.00196 U	0.00199 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.000819 U	0.000824 U	0.000774 U	0.000818 U	0.00083 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.000983 U	0.000989 U	0.000929 U	0.000982 U	0.000997 U
Heptachlor Epoxide	--	--	--	MG/KG	0.00369 U	0.00371 U	0.00348 U	0.00368 U	0.00374 U
Methoxychlor	--	--	--	MG/KG	0.00369 U	0.00371 U	0.00348 U	0.00368 U	0.00374 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.00197 U	0.00198 U	0.00192 J	0.00196 U	0.00199 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.00197 U	0.00198 U	0.00186 U	0.00196 U	0.00199 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.00369 U	0.00371 U	0.00348 U	0.00368 U	0.00374 U
Silvex (2,4,5-TP)	3.8	100	3.8	MG/KG	0.206 U	0.203 U	0.197 U	0.202 U	0.206 U
Toxaphene	--	--	--	MG/KG	0.0369 U	0.0371 U	0.0348 U	0.0368 U	0.0374 U
trans-Chlordane	--	--	--	MG/KG	0.00246 U	0.00247 U	0.00232 U	0.00245 U	0.00249 U

Table 6. Summary of Pesticides and Herbicides in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-20	RXSB-20	RXSB-20	RXSB-21	RXSB-21
				Sample Date:	07/27/2021	07/27/2021	07/27/2021	07/22/2021	07/22/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15	1 - 3	7 - 9
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	MG/KG	0.184 U	0.214 U	0.201 U	0.189 U	0.188 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	MG/KG	0.184 U	0.214 U	0.201 U	0.189 U	0.188 U
Aldrin	0.005	0.097	0.19	MG/KG	0.00175 U	0.00208 U	0.00189 U	0.00182 U	0.00176 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.000729 U	0.000865 U	0.000786 U	0.00076 U	0.000734 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.00175 U	0.00208 U	0.00189 U	0.00182 U	0.00176 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.00175 U	0.00208 U	0.00189 U	0.00182 U	0.00176 U
Beta Endosulfan	2.4	24	102	MG/KG	0.00175 U	0.00208 U	0.00189 U	0.00182 U	0.00176 U
Chlordane	--	--	--	MG/KG	0.0146 U	0.0173 U	0.0157 U	0.0152 U	0.0147 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.00218 U	0.0026 U	0.00236 U	0.00228 U	0.0022 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.00175 U	0.00208 U	0.00189 U	0.00182 U	0.00176 U
Dieldrin	**0.005**	0.2	0.1	MG/KG	0.00109 U	0.0013 U	0.00118 U	0.00114 U	0.0011 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.000729 U	0.000865 U	0.000786 U	0.00076 U	0.000734 U
Endrin	0.014	11	0.06	MG/KG	0.000729 U	0.000865 U	0.000786 U	0.00076 U	0.000734 U
Endrin Aldehyde	--	--	--	MG/KG	0.00218 U	0.0026 U	0.00236 U	0.00228 U	0.0022 U
Endrin Ketone	--	--	--	MG/KG	0.00175 U	0.00208 U	0.00189 U	0.00182 U	0.00176 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.000729 U	0.000865 U	0.000786 U	0.00076 U	0.000734 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.000874 U	0.00104 U	0.000944 U	0.000912 U	0.000881 U
Heptachlor Epoxide	--	--	--	MG/KG	0.00328 U	0.00389 U	0.00354 U	0.00342 U	0.0033 U
Methoxychlor	--	--	--	MG/KG	0.00328 U	0.00389 U	0.00354 U	0.00342 U	0.0033 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.00175 U	0.00208 U	0.00189 U	**0.00491 J**	0.00176 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.00062 J	0.00208 U	0.00189 U	0.00271 J	0.00176 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.00328 U	0.00389 U	0.00354 U	0.00342 U	0.0033 U
Silvex (2,4,5-TP)	3.8	100	3.8	MG/KG	0.184 U	0.214 U	0.201 U	0.189 U	0.188 U
Toxaphene	--	--	--	MG/KG	0.0328 U	0.0389 U	0.0354 U	0.0342 U	0.033 U
trans-Chlordane	--	--	--	MG/KG	0.00218 U	0.0026 U	0.00236 U	0.00228 U	0.0022 U

Table 6. Summary of Pesticides and Herbicides in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-21	RXSB-22	RXSB-22	RXSB-22	RXSB-23
			Sample Date:		07/22/2021	07/19/2021	07/19/2021	07/19/2021	07/16/2021
			Sample Depth (ft bls):		13 - 15	1 - 3	9 - 10	15 - 17	1 - 3
			Normal Sample or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	MG/KG	0.211 U	0.182 U	0.204 U	0.202 U	0.18 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	MG/KG	0.211 U	0.182 U	0.204 U	0.202 U	0.18 U
Aldrin	0.005	0.097	0.19	MG/KG	0.00196 U	0.0173 U	0.00199 U	0.0019 U	0.00165 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.000816 U	0.0072 U	0.000828 U	0.00079 U	0.000686 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.00196 U	0.0173 U	0.00199 U	0.0019 U	0.00165 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.00196 U	0.0173 U	0.00199 U	0.0019 U	0.00165 U
Beta Endosulfan	2.4	24	102	MG/KG	0.00196 U	0.0173 U	0.00199 U	0.0019 U	0.00165 U
Chlordane	--	--	--	MG/KG	0.0163 U	0.144 U	0.0166 U	0.0158 U	0.0137 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.00245 U	0.0216 U	0.00248 U	0.00237 U	0.00206 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.00196 U	0.0173 U	0.00199 U	0.0019 U	0.00165 U
Dieldrin	**0.005**	0.2	0.1	MG/KG	0.00122 U	0.0108 U	0.00124 U	0.00118 U	0.00103 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.000816 U	0.0072 U	0.000828 U	0.00079 U	0.000686 U
Endrin	0.014	11	0.06	MG/KG	0.000816 U	0.0072 U	0.000828 U	0.00079 U	0.000686 U
Endrin Aldehyde	--	--	--	MG/KG	0.00245 U	0.0216 U	0.00248 U	0.00237 U	0.00206 U
Endrin Ketone	--	--	--	MG/KG	0.00196 U	0.0173 U	0.00199 U	0.0019 U	0.00165 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.000816 U	0.0072 U	0.000828 U	0.00079 U	0.000686 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.000979 U	0.00864 U	0.000994 U	0.000948 U	0.000824 U
Heptachlor Epoxide	--	--	--	MG/KG	0.00367 U	0.0324 U	0.00373 U	0.00355 U	0.00309 U
Methoxychlor	--	--	--	MG/KG	0.00367 U	0.0324 U	0.00373 U	0.00355 U	0.00309 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.0015 J	0.0173 U	0.00199 U	0.0019 U	0.00165 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.00163 J	0.0173 U	0.00199 U	0.0019 U	0.00165 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.00292 J	0.0324 U	0.00373 U	0.00355 U	0.00309 U
Silvex (2,4,5-TP)	3.8	100	3.8	MG/KG	0.211 U	0.182 U	0.204 U	0.202 U	0.18 U
Toxaphene	--	--	--	MG/KG	0.0367 U	0.324 U	0.0373 U	0.0355 U	0.0309 U
trans-Chlordane	--	--	--	MG/KG	0.00245 U	0.0216 U	0.00248 U	0.00237 U	0.00206 U

Table 6. Summary of Pesticides and Herbicides in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-23	RXSB-23	RXSB-24	RXSB-24	RXSB-24
			Sample Date:		07/16/2021	07/16/2021	07/16/2021	07/16/2021	07/16/2021
			Sample Depth (ft bls):		7 - 9	13 - 15	1 - 3	7 - 9	13 - 15
			Normal Sample or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Part 375 Protection of Groundwater SCO	Units					
2,4-D (Dichlorophenoxyacetic Acid)	--	--	--	MG/KG	0.184 U	0.212 U	0.186 U	0.202 U	0.205 U
Acetic acid, (2,4,5-trichlorophenoxy)-	--	--	--	MG/KG	0.184 U	0.212 U	0.186 U	0.202 U	0.205 U
Aldrin	0.005	0.097	0.19	MG/KG	0.00169 U	0.00208 U	0.00176 U	0.0019 U	0.00197 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.000703 U	0.000865 U	0.000736 U	0.000792 U	0.00082 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.00169 U	0.00208 U	0.00176 U	0.0019 U	0.00197 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.00169 U	0.00208 U	0.00176 U	0.0019 U	0.00197 U
Beta Endosulfan	2.4	24	102	MG/KG	0.00169 U	0.00208 U	0.00176 U	0.0019 U	0.00197 U
Chlordane	--	--	--	MG/KG	0.0141 U	0.0173 U	0.0147 U	0.0158 U	0.0164 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.00211 U	0.00259 U	0.00221 U	0.00238 U	0.00246 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.00169 U	0.00208 U	0.00176 U	0.0019 U	0.00197 U
Dieldrin	**0.005**	0.2	0.1	MG/KG	0.00106 U	0.0013 U	0.0011 U	0.00119 U	0.00123 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.000703 U	0.000865 U	0.000736 U	0.000792 U	0.00082 U
Endrin	0.014	11	0.06	MG/KG	0.000703 U	0.000865 U	0.000736 U	0.000792 U	0.00082 U
Endrin Aldehyde	--	--	--	MG/KG	0.00211 U	0.00259 U	0.00221 U	0.00238 U	0.00246 U
Endrin Ketone	--	--	--	MG/KG	0.00169 U	0.00208 U	0.00176 U	0.0019 U	0.00197 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.000703 U	0.000865 U	0.000736 U	0.000792 U	0.00082 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.000844 U	0.00104 U	0.000883 U	0.00095 U	0.000985 U
Heptachlor Epoxide	--	--	--	MG/KG	0.00316 U	0.00389 U	0.00331 U	0.00356 U	0.00369 U
Methoxychlor	--	--	--	MG/KG	0.00316 U	0.00389 U	0.00331 U	0.00356 U	0.00369 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.00169 U	0.00208 U	0.00176 U	0.0019 U	0.00197 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.00169 U	0.00208 U	0.00176 U	0.0019 U	0.00197 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.00316 U	0.00389 U	0.00331 U	0.00356 U	0.00369 U
Silvex (2,4,5-TP)	3.8	100	3.8	MG/KG	0.184 U	0.212 U	0.186 U	0.202 U	0.205 U
Toxaphene	--	--	--	MG/KG	0.0316 U	0.0389 U	0.0331 U	0.0356 U	0.0369 U
trans-Chlordane	--	--	--	MG/KG	0.00211 U	0.00259 U	0.00221 U	0.00238 U	0.00246 U

Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB- 19	RXSB-11	RXSB-11
				Sample Date:	07/27/2021	07/14/2021	07/14/2021
				Sample Depth (ft bls):	7 - 9	1 - 3	7 - 9
				Normal Sample or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use Guidance Value	NYSDEC Part 375 Restricted Residential Guidance Value	NYSDEC Part 375 Protection of Groundwater Guidance Value	Units			
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	NG/G	0.24 U	0.23 U	0.221 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	NG/G	0.101 U	0.096 U	0.093 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	NG/G	0.046 U	0.045 U	0.043 U
Perfluorobutanoic Acid	--	--	--	NG/G	0.027 U	0.046 J	0.025 U
Perfluorodecane Sulfonic Acid	--	--	--	NG/G	0.182 U	0.174 U	0.168 U
Perfluorodecanoic acid (PFDA)	--	--	--	NG/G	0.08 U	0.162 J	0.073 U
Perfluorododecanoic acid (PFDoA)	--	--	--	NG/G	0.083 U	0.121 J	0.077 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	NG/G	0.162 U	0.156 U	0.15 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	NG/G	0.054 U	0.082 J	0.049 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	NG/G	0.072 U	0.069 U	0.066 U
Perfluorohexanoic acid (PFHxA)	--	--	--	NG/G	0.063 U	0.122 J	0.058 U
Perfluorononanoic acid (PFNA)	--	--	--	NG/G	0.089 U	0.086 U	0.082 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	NG/G	0.117 U	0.112 U	0.107 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	3.7	NG/G	0.155 U	0.298	0.429
Perfluorooctanoic acid (PFOA)	0.66	33	1.1	NG/G	0.05 U	0.136 J	0.071 J
Perfluoropentanoic Acid (PFPeA)	--	--	--	NG/G	0.055 U	0.104 J	0.05 U
Perfluorotetradecanoic acid (PFTA)	--	--	--	NG/G	0.064 U	0.062 U	0.059 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	NG/G	0.243 U	0.233 U	0.224 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	NG/G	0.056 U	0.129 J	0.051 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2	--	--	--	NG/G	0.342 U	0.327 U	0.315 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	NG/G	0.214 U	0.205 U	0.197 U
TOTAL PFOA AND PFOS	--	--	--	NG/G	0.05 U	0.434 J	0.5 J

Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-11	RXSB-12	RXSB-12
				Sample Date:	07/14/2021	07/14/2021	07/14/2021
				Sample Depth (ft bls):	13 - 15	1 - 3	1 - 3
				Normal Sample or Field Duplicate:	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use Guidance Value	NYSDEC Part 375 Restricted Residential Guidance Value	NYSDEC Part 375 Protection of Groundwater Guidance Value	Units			
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	NG/G	0.253 U	0.21 U	0.224 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	NG/G	0.106 U	0.088 U	0.094 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	NG/G	0.049 U	0.041 U	0.043 U
Perfluorobutanoic Acid	--	--	--	NG/G	0.029 U	0.024 U	0.025 U
Perfluorodecane Sulfonic Acid	--	--	--	NG/G	0.192 U	0.16 U	0.17 U
Perfluorodecanoic acid (PFDA)	--	--	--	NG/G	0.084 U	0.111 J	0.099 J
Perfluorododecanoic acid (PFDoA)	--	--	--	NG/G	0.088 U	0.082 J	0.078 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	NG/G	0.171 U	0.142 U	0.152 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	NG/G	0.057 U	0.047 U	0.05 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	NG/G	0.076 U	0.063 U	0.067 U
Perfluorohexanoic acid (PFHxA)	--	--	--	NG/G	0.066 U	0.081 J	0.078 J
Perfluorononanoic acid (PFNA)	--	--	--	NG/G	0.094 U	0.078 U	0.084 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	NG/G	0.123 U	0.102 U	0.109 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	3.7	NG/G	0.163 U	0.222 J	0.226 J
Perfluorooctanoic acid (PFOA)	0.66	33	1.1	NG/G	0.059 J	0.08 J	0.07 J
Perfluoropentanoic Acid (PFPeA)	--	--	--	NG/G	0.058 U	0.056 J	0.051 U
Perfluorotetradecanoic acid (PFTA)	--	--	--	NG/G	0.068 U	0.056 U	0.06 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	NG/G	0.257 U	0.213 U	0.228 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	NG/G	0.059 U	0.071 J	0.074 J
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2	--	--	--	NG/G	0.36 U	0.299 U	0.319 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	NG/G	0.225 U	0.187 U	0.2 U
TOTAL PFOA AND PFOS	--	--	--	NG/G	0.059 J	0.302 J	0.296 J

Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-12	RXSB-12	RXSB-13
				Sample Date:	07/14/2021	07/14/2021	07/12/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3
				Normal Sample or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use Guidance Value	NYSDEC Part 375 Restricted Residential Guidance Value	NYSDEC Part 375 Protection of Groundwater Guidance Value	Units			
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	NG/G	0.239 U	0.261 U	0.227 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	NG/G	0.1 U	0.11 U	0.095 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	NG/G	0.046 U	0.051 U	0.044 U
Perfluorobutanoic Acid	--	--	--	NG/G	0.027 U	0.029 U	0.026 U
Perfluorodecane Sulfonic Acid	--	--	--	NG/G	0.181 U	0.198 U	0.172 U
Perfluorodecanoic acid (PFDA)	--	--	--	NG/G	0.079 U	0.087 U	0.075 U
Perfluorododecanoic acid (PFDoA)	--	--	--	NG/G	0.083 U	0.091 U	0.079 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	NG/G	0.162 U	0.177 U	0.154 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	NG/G	0.054 U	0.059 U	0.051 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	NG/G	0.072 U	0.079 U	0.068 U
Perfluorohexanoic acid (PFHxA)	--	--	--	NG/G	0.062 U	0.068 U	0.072 JB
Perfluorononanoic acid (PFNA)	--	--	--	NG/G	0.089 U	0.097 U	0.084 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	NG/G	0.116 U	0.127 U	0.11 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	3.7	NG/G	0.154 U	0.169 U	0.146 U
Perfluorooctanoic acid (PFOA)	0.66	33	1.1	NG/G	0.052 J	0.054 U	0.254 J
Perfluoropentanoic Acid (PFPeA)	--	--	--	NG/G	0.055 U	0.06 U	0.052 U
Perfluorotetradecanoic acid (PFTA)	--	--	--	NG/G	0.064 U	0.07 U	0.061 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	NG/G	0.242 U	0.265 U	0.23 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	NG/G	0.056 U	0.061 U	0.053 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2	--	--	--	NG/G	0.34 U	0.372 U	0.323 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	NG/G	0.213 U	0.233 U	0.202 U
TOTAL PFOA AND PFOS	--	--	--	NG/G	0.052 J	0.054 U	0.254 J

Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-13	RXSB-13	RXSB-14
				Sample Date:	07/12/2021	07/19/2021	07/12/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3
				Normal Sample or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use Guidance Value	NYSDEC Part 375 Restricted Residential Guidance Value	NYSDEC Part 375 Protection of Groundwater Guidance Value	Units			
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	NG/G	0.257 U	0.254 U	0.219 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	NG/G	0.108 U	0.107 U	0.092 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	NG/G	0.05 U	0.049 U	0.042 U
Perfluorobutanoic Acid	--	--	--	NG/G	0.029 U	0.03 J	0.025 U
Perfluorodecane Sulfonic Acid	--	--	--	NG/G	0.195 U	0.193 U	0.166 U
Perfluorodecanoic acid (PFDA)	--	--	--	NG/G	0.085 U	0.085 U	0.073 U
Perfluorododecanoic acid (PFDoA)	--	--	--	NG/G	0.089 U	0.088 U	0.076 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	NG/G	0.174 U	0.172 U	0.148 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	NG/G	0.058 U	0.057 U	0.049 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	NG/G	0.077 U	0.076 U	0.066 U
Perfluorohexanoic acid (PFHxA)	--	--	--	NG/G	0.068 JB	0.086 J	0.059 JB
Perfluorononanoic acid (PFNA)	--	--	--	NG/G	0.096 U	0.095 U	0.081 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	NG/G	0.125 U	0.124 U	0.106 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	3.7	NG/G	0.166 U	0.164 U	0.246 J
Perfluorooctanoic acid (PFOA)	0.66	33	1.1	NG/G	0.053 U	0.092 J	0.046 U
Perfluoropentanoic Acid (PFPeA)	--	--	--	NG/G	0.059 U	0.129 J	0.05 U
Perfluorotetradecanoic acid (PFTA)	--	--	--	NG/G	0.069 U	0.068 U	0.059 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	NG/G	0.261 U	0.258 U	0.222 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	NG/G	0.06 U	0.059 U	0.051 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2	--	--	--	NG/G	0.366 U	0.362 U	0.312 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	NG/G	0.229 U	0.226 U	0.195 U
TOTAL PFOA AND PFOS	--	--	--	NG/G	0.053 U	0.092 J	0.246 J

Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-14	RXSB-14	RXSB-15
				Sample Date:	07/12/2021	07/12/2021	07/12/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3
				Normal Sample or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use Guidance Value	NYSDEC Part 375 Restricted Residential Guidance Value	NYSDEC Part 375 Protection of Groundwater Guidance Value	Units			
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	NG/G	0.24 U	0.246 U	0.258 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	NG/G	0.1 U	0.103 U	0.108 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	NG/G	0.046 U	0.048 U	0.05 U
Perfluorobutanoic Acid	--	--	--	NG/G	0.027 U	0.028 U	0.029 U
Perfluorodecane Sulfonic Acid	--	--	--	NG/G	0.182 U	0.186 U	0.196 U
Perfluorodecanoic acid (PFDA)	--	--	--	NG/G	0.08 U	0.082 U	0.086 U
Perfluorododecanoic acid (PFDoA)	--	--	--	NG/G	0.083 U	0.085 U	0.09 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	NG/G	0.162 U	0.166 U	0.175 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	NG/G	0.054 U	0.055 U	0.058 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	NG/G	0.072 U	0.074 U	0.077 U
Perfluorohexanoic acid (PFHxA)	--	--	--	NG/G	0.062 U	0.073 JB	0.067 U
Perfluorononanoic acid (PFNA)	--	--	--	NG/G	0.089 U	0.091 U	0.096 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	NG/G	0.116 U	0.119 U	0.125 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	3.7	NG/G	0.154 U	0.158 U	0.166 U
Perfluorooctanoic acid (PFOA)	0.66	33	1.1	NG/G	0.05 U	0.065 J	0.251 J
Perfluoropentanoic Acid (PFPeA)	--	--	--	NG/G	0.055 U	0.056 U	0.059 U
Perfluorotetradecanoic acid (PFTA)	--	--	--	NG/G	0.064 U	0.066 U	0.069 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	NG/G	0.243 U	0.249 U	0.262 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	NG/G	0.056 U	0.057 U	0.06 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2	--	--	--	NG/G	0.341 U	0.35 U	0.367 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	NG/G	0.213 U	0.219 U	0.23 U
TOTAL PFOA AND PFOS	--	--	--	NG/G	0.05 U	0.065 J	0.251 J

Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-15	RXSB-15	RXSB-16
				Sample Date:	07/12/2021	07/12/2021	07/14/2021
				Sample Depth (ft bls):	7 - 9	13 - 15	1 - 3
				Normal Sample or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use Guidance Value	NYSDEC Part 375 Restricted Residential Guidance Value	NYSDEC Part 375 Protection of Groundwater Guidance Value	Units			
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	NG/G	0.21 UJ	0.229 U	0.244 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	NG/G	0.088 UJ	0.096 U	0.102 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	NG/G	0.041 U	0.044 U	0.047 U
Perfluorobutanoic Acid	--	--	--	NG/G	0.024 U	0.026 U	0.028 U
Perfluorodecane Sulfonic Acid	--	--	--	NG/G	0.16 U	0.174 U	0.185 U
Perfluorodecanoic acid (PFDA)	--	--	--	NG/G	0.07 U	0.076 U	0.093 J
Perfluorododecanoic acid (PFDoA)	--	--	--	NG/G	0.073 U	0.08 U	0.085 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	NG/G	0.142 U	0.155 U	0.165 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	NG/G	0.047 U	0.051 U	0.055 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	NG/G	0.063 U	0.069 U	0.073 U
Perfluorohexanoic acid (PFHxA)	--	--	--	NG/G	0.056 JB	0.06 U	0.082 J
Perfluorononanoic acid (PFNA)	--	--	--	NG/G	0.078 U	0.085 U	0.091 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	NG/G	0.102 U	0.112 U	0.119 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	3.7	NG/G	0.136 U	0.148 U	0.433
Perfluorooctanoic acid (PFOA)	0.66	33	1.1	NG/G	0.044 U	0.048 U	0.204 J
Perfluoropentanoic Acid (PFPeA)	--	--	--	NG/G	0.048 U	0.052 U	0.059 J
Perfluorotetradecanoic acid (PFTA)	--	--	--	NG/G	0.056 U	0.062 U	0.065 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	NG/G	0.213 U	0.233 U	0.248 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	NG/G	0.049 U	0.053 U	0.075 J
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2	--	--	--	NG/G	0.299 U	0.327 U	0.348 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	NG/G	0.187 U	0.204 U	0.217 U
TOTAL PFOA AND PFOS	--	--	--	NG/G	0.044 U	0.048 U	0.637 J

Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-16	RXSB-16	RXSB-16
				Sample Date:	07/14/2021	07/14/2021	07/14/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use Guidance Value	NYSDEC Part 375 Restricted Residential Guidance Value	NYSDEC Part 375 Protection of Groundwater Guidance Value	Units			
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	NG/G	0.236 U	0.225 U	0.227 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	NG/G	0.099 U	0.094 U	0.095 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	NG/G	0.046 U	0.044 U	0.044 U
Perfluorobutanoic Acid	--	--	--	NG/G	0.063 J	0.025 U	0.026 U
Perfluorodecane Sulfonic Acid	--	--	--	NG/G	0.179 U	0.171 U	0.172 U
Perfluorodecanoic acid (PFDA)	--	--	--	NG/G	0.162 J	0.075 U	0.076 U
Perfluorododecanoic acid (PFDoA)	--	--	--	NG/G	0.082 U	0.078 U	0.079 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	NG/G	0.16 U	0.152 U	0.154 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	NG/G	0.07 J	0.05 U	0.051 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	NG/G	0.071 U	0.068 U	0.068 U
Perfluorohexanoic acid (PFHxA)	--	--	--	NG/G	0.137 J	0.059 U	0.059 U
Perfluorononanoic acid (PFNA)	--	--	--	NG/G	0.113 J	0.084 U	0.085 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	NG/G	0.115 U	0.109 U	0.11 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	3.7	NG/G	0.824	0.145 U	0.146 U
Perfluorooctanoic acid (PFOA)	0.66	33	1.1	NG/G	0.401	0.047 U	0.047 U
Perfluoropentanoic Acid (PFPeA)	--	--	--	NG/G	0.112 J	0.051 U	0.052 U
Perfluorotetradecanoic acid (PFTA)	--	--	--	NG/G	0.063 U	0.06 U	0.061 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	NG/G	0.24 U	0.228 U	0.23 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	NG/G	0.142 J	0.052 U	0.053 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2	--	--	--	NG/G	0.336 U	0.32 U	0.323 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	NG/G	0.21 U	0.2 U	0.202 U
TOTAL PFOA AND PFOS	--	--	--	NG/G	1.23	0.047 U	0.047 U

Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-17	RXSB-17	RXSB-17
				Sample Date:	07/20/2021	07/21/2021	07/21/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use Guidance Value	NYSDEC Part 375 Restricted Residential Guidance Value	NYSDEC Part 375 Protection of Groundwater Guidance Value	Units			
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	NG/G	0.259 U	0.226 U	0.222 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	NG/G	0.109 U	0.095 U	0.093 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	NG/G	0.05 U	0.044 U	0.043 U
Perfluorobutanoic Acid	--	--	--	NG/G	0.029 U	0.025 U	0.025 U
Perfluorodecane Sulfonic Acid	--	--	--	NG/G	0.197 U	0.171 U	0.169 U
Perfluorodecanoic acid (PFDA)	--	--	--	NG/G	0.086 U	0.075 U	0.074 U
Perfluorododecanoic acid (PFDoA)	--	--	--	NG/G	0.09 U	0.078 U	0.077 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	NG/G	0.176 U	0.153 U	0.151 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	NG/G	0.058 U	0.051 U	0.05 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	NG/G	0.078 U	0.068 U	0.067 U
Perfluorohexanoic acid (PFHxA)	--	--	--	NG/G	0.068 U	0.059 U	0.058 U
Perfluorononanoic acid (PFNA)	--	--	--	NG/G	0.097 U	0.084 U	0.083 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	NG/G	0.126 U	0.11 U	0.108 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	3.7	NG/G	0.167 U	0.146 U	0.143 U
Perfluorooctanoic acid (PFOA)	0.66	33	1.1	NG/G	0.054 U	0.061 J	0.055 J
Perfluoropentanoic Acid (PFPeA)	--	--	--	NG/G	0.059 U	0.052 U	0.051 U
Perfluorotetradecanoic acid (PFTA)	--	--	--	NG/G	0.069 U	0.061 U	0.06 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	NG/G	0.263 U	0.229 U	0.226 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	NG/G	0.06 U	0.052 U	0.052 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2	--	--	--	NG/G	0.369 U	0.321 U	0.317 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	NG/G	0.231 U	0.201 U	0.198 U
TOTAL PFOA AND PFOS	--	--	--	NG/G	0.054 U	0.061 J	0.055 J

Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Part 375 Unrestricted Use Guidance Value	NYSDEC Part 375 Restricted Residential Guidance Value	NYSDEC Part 375 Protection of Groundwater Guidance Value	Units	RXSB-18	RXSB-18	RXSB-18
Sample Designation:					RXSB-18	RXSB-18	RXSB-18
Sample Date:					07/21/2021	07/21/2021	07/28/2021
Sample Depth (ft bls):					1 - 3	1 - 3	7 - 9
Normal Sample or Field Duplicate:					N	FD	N
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	NG/G	0.21 U	0.21 U	0.322 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	NG/G	0.088 U	0.088 U	0.135 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	NG/G	0.041 U	0.041 U	0.062 U
Perfluorobutanoic Acid	--	--	--	NG/G	0.024 U	0.024 U	0.036 U
Perfluorodecane Sulfonic Acid	--	--	--	NG/G	0.16 U	0.16 U	0.244 U
Perfluorodecanoic acid (PFDA)	--	--	--	NG/G	0.07 U	0.07 U	0.107 U
Perfluorododecanoic acid (PFDoA)	--	--	--	NG/G	0.073 U	0.073 U	0.112 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	NG/G	0.142 U	0.143 U	0.218 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	NG/G	0.047 U	0.047 U	0.072 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	NG/G	0.063 U	0.063 U	0.097 U
Perfluorohexanoic acid (PFHxA)	--	--	--	NG/G	0.055 U	0.055 U	0.084 U
Perfluorononanoic acid (PFNA)	--	--	--	NG/G	0.078 U	0.078 U	0.12 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	NG/G	0.102 U	0.102 U	0.156 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	3.7	NG/G	0.136 U	0.136 U	0.207 U
Perfluorooctanoic acid (PFOA)	0.66	33	1.1	NG/G	0.044 U	0.044 U	0.067 U
Perfluoropentanoic Acid (PFPeA)	--	--	--	NG/G	0.048 U	0.048 U	0.073 U
Perfluorotetradecanoic acid (PFTA)	--	--	--	NG/G	0.056 U	0.056 U	0.086 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	NG/G	0.214 U	0.214 U	0.326 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	NG/G	0.049 U	0.049 U	0.075 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2	--	--	--	NG/G	0.3 U	0.3 U	0.458 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	NG/G	0.187 U	0.188 U	0.286 U
TOTAL PFOA AND PFOS	--	--	--	NG/G	0.044 U	0.044 U	0.067 U

Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-18	RXSB-19	RXSB-19
				Sample Date:	07/28/2021	07/26/2021	07/27/2021
				Sample Depth (ft bls):	13 - 15	1 - 3	13 - 15
				Normal Sample or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use Guidance Value	NYSDEC Part 375 Restricted Residential Guidance Value	NYSDEC Part 375 Protection of Groundwater Guidance Value	Units			
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	NG/G	0.248 U	0.236 U	0.233 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	NG/G	0.104 U	0.099 U	0.098 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	NG/G	0.048 U	0.046 U	0.045 U
Perfluorobutanoic Acid	--	--	--	NG/G	0.028 U	0.027 U	0.026 U
Perfluorodecane Sulfonic Acid	--	--	--	NG/G	0.188 U	0.179 U	0.177 U
Perfluorodecanoic acid (PFDA)	--	--	--	NG/G	0.082 U	0.079 U	0.078 U
Perfluorododecanoic acid (PFDoA)	--	--	--	NG/G	0.086 U	0.082 U	0.081 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	NG/G	0.168 U	0.16 U	0.158 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	NG/G	0.055 U	0.053 U	0.052 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	NG/G	0.074 U	0.071 U	0.07 U
Perfluorohexanoic acid (PFHxA)	--	--	--	NG/G	0.065 U	0.062 U	0.061 U
Perfluorononanoic acid (PFNA)	--	--	--	NG/G	0.092 U	0.088 U	0.087 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	NG/G	0.12 U	0.115 U	0.113 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	3.7	NG/G	0.16 U	0.152 U	0.15 U
Perfluorooctanoic acid (PFOA)	0.66	33	1.1	NG/G	0.052 U	0.049 U	0.049 U
Perfluoropentanoic Acid (PFPeA)	--	--	--	NG/G	0.057 U	0.054 U	0.053 U
Perfluorotetradecanoic acid (PFTA)	--	--	--	NG/G	0.066 U	0.063 U	0.063 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	NG/G	0.251 U	0.24 U	0.237 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	NG/G	0.058 U	0.055 U	0.054 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2	--	--	--	NG/G	0.352 U	0.336 U	0.332 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	NG/G	0.22 U	0.21 U	0.208 U
TOTAL PFOA AND PFOS	--	--	--	NG/G	0.052 U	0.049 U	0.049 U

Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-20	RXSB-20	RXSB-20
				Sample Date:	07/27/2021	07/27/2021	07/27/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use Guidance Value	NYSDEC Part 375 Restricted Residential Guidance Value	NYSDEC Part 375 Protection of Groundwater Guidance Value	Units			
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	NG/G	0.201 U	0.235 U	0.228 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	NG/G	0.084 U	0.099 U	0.095 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	NG/G	0.039 U	0.046 U	0.044 U
Perfluorobutanoic Acid	--	--	--	NG/G	0.023 U	0.027 U	0.026 U
Perfluorodecane Sulfonic Acid	--	--	--	NG/G	0.152 U	0.179 U	0.173 U
Perfluorodecanoic acid (PFDA)	--	--	--	NG/G	0.067 U	0.078 U	0.076 U
Perfluorododecanoic acid (PFDoA)	--	--	--	NG/G	0.07 U	0.082 U	0.079 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	NG/G	0.136 U	0.16 U	0.154 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	NG/G	0.045 U	0.053 U	0.051 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	NG/G	0.06 U	0.071 U	0.068 U
Perfluorohexanoic acid (PFHxA)	--	--	--	NG/G	0.052 U	0.061 U	0.059 U
Perfluorononanoic acid (PFNA)	--	--	--	NG/G	0.075 U	0.088 U	0.085 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	NG/G	0.098 U	0.114 U	0.111 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	3.7	NG/G	0.129 U	0.152 U	0.147 U
Perfluorooctanoic acid (PFOA)	0.66	33	1.1	NG/G	0.042 U	0.049 U	0.047 U
Perfluoropentanoic Acid (PFPeA)	--	--	--	NG/G	0.046 U	0.054 U	0.052 U
Perfluorotetradecanoic acid (PFTA)	--	--	--	NG/G	0.054 U	0.063 U	0.061 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	NG/G	0.204 U	0.239 U	0.231 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	NG/G	0.047 U	0.055 U	0.053 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2	--	--	--	NG/G	0.286 U	0.335 U	0.324 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	NG/G	0.179 U	0.21 U	0.203 U
TOTAL PFOA AND PFOS	--	--	--	NG/G	0.042 U	0.049 U	0.047 U

Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-21	RXSB-21	RXSB-21
				Sample Date:	07/22/2021	07/22/2021	07/22/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use Guidance Value	NYSDEC Part 375 Restricted Residential Guidance Value	NYSDEC Part 375 Protection of Groundwater Guidance Value	Units			
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	NG/G	0.214 U	0.207 U	0.265 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	NG/G	0.09 U	0.087 U	0.111 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	NG/G	0.041 U	0.04 U	0.051 U
Perfluorobutanoic Acid	--	--	--	NG/G	0.024 U	0.023 U	0.03 U
Perfluorodecane Sulfonic Acid	--	--	--	NG/G	0.162 U	0.158 U	0.201 U
Perfluorodecanoic acid (PFDA)	--	--	--	NG/G	0.071 U	0.069 U	0.088 U
Perfluorododecanoic acid (PFDoA)	--	--	--	NG/G	0.074 U	0.072 U	0.092 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	NG/G	0.145 U	0.14 U	0.179 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	NG/G	0.048 U	0.046 U	0.059 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	NG/G	0.064 U	0.062 U	0.08 U
Perfluorohexanoic acid (PFHxA)	--	--	--	NG/G	0.056 U	0.054 U	0.069 U
Perfluorononanoic acid (PFNA)	--	--	--	NG/G	0.08 U	0.077 U	0.099 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	NG/G	0.104 U	0.101 U	0.129 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	3.7	NG/G	0.138 U	0.134 U	0.171 U
Perfluorooctanoic acid (PFOA)	0.66	33	1.1	NG/G	0.044 U	0.129 J	0.055 U
Perfluoropentanoic Acid (PFPeA)	--	--	--	NG/G	0.049 U	0.047 U	0.06 U
Perfluorotetradecanoic acid (PFTA)	--	--	--	NG/G	0.057 U	0.056 U	0.071 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	NG/G	0.217 U	0.21 U	0.269 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	NG/G	0.05 U	0.048 U	0.062 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2	--	--	--	NG/G	0.304 U	0.295 U	0.377 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	NG/G	0.19 U	0.185 U	0.236 U
TOTAL PFOA AND PFOS	--	--	--	NG/G	0.044 U	0.129 J	0.055 U

Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-22	RXSB-22	RXSB-22
				Sample Date:	07/19/2021	07/19/2021	07/19/2021
				Sample Depth (ft bls):	1 - 3	9 - 10	15 - 17
				Normal Sample or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use Guidance Value	NYSDEC Part 375 Restricted Residential Guidance Value	NYSDEC Part 375 Protection of Groundwater Guidance Value	Units			
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	NG/G	0.26 U	0.239 U	0.243 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	NG/G	0.109 U	0.1 U	0.102 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	NG/G	0.05 U	0.046 U	0.047 U
Perfluorobutanoic Acid	--	--	--	NG/G	0.029 U	0.027 U	0.027 U
Perfluorodecane Sulfonic Acid	--	--	--	NG/G	0.197 U	0.182 U	0.185 U
Perfluorodecanoic acid (PFDA)	--	--	--	NG/G	0.086 U	0.08 U	0.081 U
Perfluorododecanoic acid (PFDoA)	--	--	--	NG/G	0.09 U	0.083 U	0.085 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	NG/G	0.176 U	0.162 U	0.165 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	NG/G	0.058 U	0.054 U	0.054 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	NG/G	0.078 U	0.072 U	0.073 U
Perfluorohexanoic acid (PFHxA)	--	--	--	NG/G	0.069 J	0.062 U	0.063 U
Perfluorononanoic acid (PFNA)	--	--	--	NG/G	0.097 U	0.089 U	0.091 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	NG/G	0.126 U	0.116 U	0.118 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	3.7	NG/G	0.168 U	0.154 U	0.157 U
Perfluorooctanoic acid (PFOA)	0.66	33	1.1	NG/G	0.172 J	0.05 U	0.051 U
Perfluoropentanoic Acid (PFPeA)	--	--	--	NG/G	0.059 U	0.055 U	0.056 U
Perfluorotetradecanoic acid (PFTA)	--	--	--	NG/G	0.07 U	0.064 U	0.065 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	NG/G	0.264 U	0.243 U	0.247 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	NG/G	0.06 U	0.056 U	0.057 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2	--	--	--	NG/G	0.37 U	0.341 U	0.346 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	NG/G	0.232 U	0.213 U	0.217 U
TOTAL PFOA AND PFOS	--	--	--	NG/G	0.172 J	0.05 U	0.051 U

Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 2-33 50th Avenue, Long Island City, New York

			Sample Designation:		RXSB-23	RXSB-23	RXSB-23
			Sample Date:		07/16/2021	07/16/2021	07/16/2021
			Sample Depth (ft bls):		1 - 3	7 - 9	13 - 15
			Normal Sample or Field Duplicate:		N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use Guidance Value	NYSDEC Part 375 Restricted Residential Guidance Value	NYSDEC Part 375 Protection of Groundwater Guidance Value	Units			
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	NG/G	0.256 U	0.243 U	0.244 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	NG/G	0.107 U	0.102 U	0.102 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	NG/G	0.05 U	0.047 U	0.047 U
Perfluorobutanoic Acid	--	--	--	NG/G	0.071 J	0.027 U	0.027 U
Perfluorodecane Sulfonic Acid	--	--	--	NG/G	0.194 U	0.184 U	0.185 U
Perfluorodecanoic acid (PFDA)	--	--	--	NG/G	0.085 U	0.081 U	0.081 U
Perfluorododecanoic acid (PFDoA)	--	--	--	NG/G	0.089 U	0.084 U	0.085 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	NG/G	0.173 U	0.164 U	0.165 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	NG/G	0.057 U	0.054 U	0.055 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	NG/G	0.077 U	0.073 U	0.073 U
Perfluorohexanoic acid (PFHxA)	--	--	--	NG/G	0.096 J	0.065 J	0.064 U
Perfluorononanoic acid (PFNA)	--	--	--	NG/G	0.095 U	0.09 U	0.091 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	NG/G	0.124 U	0.118 U	0.118 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	3.7	NG/G	0.165 U	0.156 U	0.157 U
Perfluorooctanoic acid (PFOA)	0.66	33	1.1	NG/G	0.062 J	0.083 J	0.051 U
Perfluoropentanoic Acid (PFPeA)	--	--	--	NG/G	0.058 U	0.055 U	0.056 U
Perfluorotetradecanoic acid (PFTA)	--	--	--	NG/G	0.069 U	0.065 U	0.065 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	NG/G	0.26 U	0.246 U	0.247 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	NG/G	0.059 U	0.056 U	0.057 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2	--	--	--	NG/G	0.364 U	0.346 U	0.347 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	NG/G	0.228 U	0.216 U	0.217 U
TOTAL PFOA AND PFOS	--	--	--	NG/G	0.062 J	0.083 J	0.051 U

Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 2-33 50th Avenue, Long Island City, New York

				Sample Designation:	RXSB-24	RXSB-24	RXSB-24
				Sample Date:	07/16/2021	07/16/2021	07/16/2021
				Sample Depth (ft bls):	1 - 3	7 - 9	13 - 15
				Normal Sample or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use Guidance Value	NYSDEC Part 375 Restricted Residential Guidance Value	NYSDEC Part 375 Protection of Groundwater Guidance Value	Units			
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	NG/G	0.229 U	0.232 U	0.245 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	NG/G	0.096 U	0.097 U	0.103 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	NG/G	0.044 U	0.045 U	0.047 U
Perfluorobutanoic Acid	--	--	--	NG/G	0.026 U	0.034 J	0.028 U
Perfluorodecane Sulfonic Acid	--	--	--	NG/G	0.174 U	0.176 U	0.186 U
Perfluorodecanoic acid (PFDA)	--	--	--	NG/G	0.118 J	0.077 U	0.082 U
Perfluorododecanoic acid (PFDoA)	--	--	--	NG/G	0.08 U	0.081 U	0.085 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	NG/G	0.155 U	0.157 U	0.166 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	NG/G	0.051 U	0.06 J	0.055 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	NG/G	0.069 U	0.07 U	0.074 U
Perfluorohexanoic acid (PFHxA)	--	--	--	NG/G	0.067 J	0.1 J	0.064 U
Perfluorononanoic acid (PFNA)	--	--	--	NG/G	0.085 U	0.086 U	0.091 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	NG/G	0.112 U	0.113 U	0.119 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	3.7	NG/G	0.35	0.268 J	0.158 U
Perfluorooctanoic acid (PFOA)	0.66	33	1.1	NG/G	0.055 J	0.089 J	0.051 U
Perfluoropentanoic Acid (PFPeA)	--	--	--	NG/G	0.052 U	0.101 J	0.056 U
Perfluorotetradecanoic acid (PFTA)	--	--	--	NG/G	0.061 U	0.062 U	0.066 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	NG/G	0.233 U	0.235 U	0.249 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	NG/G	0.058 J	0.054 U	0.057 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2	--	--	--	NG/G	0.326 U	0.33 U	0.349 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	NG/G	0.204 U	0.206 U	0.218 U
TOTAL PFOA AND PFOS	--	--	--	NG/G	0.405 J	0.357 J	0.051 U

Table 8. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	MW-12	MW-12	MW-13	MW-14	MW-15	MW-16	MW-18
Sample Designation:			MW-12	MW-12	MW-13	MW-14	MW-15	MW-16	MW-18
Sample Date:			08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/09/2021
Normal Sample or Field Duplicate:			N	FD	N	N	N	N	N
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	**5**	UG/L	2 U	2 U	1.4 J	1.2 J	**41**	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.94 J	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U	0.71 J	11	2 U	2 U
1,4-Dioxane (P-Dioxane)	--	UG/L	250 U	250 U	250 U	250 U	250 U	250 U	NA
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	50	UG/L	1.6 JB	5 U	4.1 JB	5 U	2.7 JB	23	1.5 J
Acrylonitrile	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	UG/L	0.5 U	0.5 U	0.22 J	0.19 J	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 8. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	MW-12	MW-12	MW-13	MW-14	MW-15	MW-16	MW-18
Sample Designation:			MW-12	MW-12	MW-13	MW-14	MW-15	MW-16	MW-18
Sample Date:			08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/09/2021
Normal Sample or Field Duplicate:			N	FD	N	N	N	N	N
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**180**	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichloroethylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	**24**	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	4.7	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 U	2.5 U	1.1 J	2.6	1.2 J	2.5 U	2.5 U
N-Butylbenzene	**5**	UG/L	2.5 U	2.5 U	2.5 U	1.3 J	**11**	2.5 U	2.5 U
N-Propylbenzene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	**13**	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	0.74 J	1.4 J	2.5 U
Sec-Butylbenzene	**5**	UG/L	2.5 U	2.5 U	1.4 J	3.4	**33**	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	**5**	UG/L	2.5 U	2.5 U	0.76 J	0.93 J	**8.8**	2.5 U	2.5 U

Table 8. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	MW-12	MW-12	MW-13	MW-14	MW-15	MW-16	MW-18
Sample Designation:			MW-12	MW-12	MW-13	MW-14	MW-15	MW-16	MW-18
Sample Date:			08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/09/2021
Normal Sample or Field Duplicate:			N	FD	N	N	N	N	N
Tert-Butyl Methyl Ether	**10**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.3 J	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	UG/L	1 U	1 U	0.28 J	1 U	1 U	1 U	1 U
Xylenes	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	0.74 J	**6.1 J**	2.5 U

Table 8. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	MW-20	MW-21	MW-25	MW-26	TB_SO_07122021
Sample Designation:			MW-20	MW-21	MW-25	MW-26	TB_SO_07122021
Sample Date:			08/06/2021	08/06/2021	08/06/2021	08/06/2021	07/12/2021
Normal Sample or Field Duplicate:			N	N	N	N	TB
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	3 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
1,2,4,5-Tetramethylbenzene	**5**	UG/L	2 U	0.7 J	**34**	4 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	4 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	2 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	5	4 U	2 U
1,4-Dioxane (P-Dioxane)	--	UG/L	250 U	250 U	250 U	500 U	250 U
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	5 U	10 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	4 U	2 U
Acetone	50	UG/L	9	8.6	7	11	5 U
Acrylonitrile	5	UG/L	5 U	5 U	5 U	10 U	5 U
Benzene	1	UG/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U

Table 8. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	MW-20	MW-21	MW-25	MW-26	TB_SO_07122021
Sample Designation:			MW-20	MW-21	MW-25	MW-26	TB_SO_07122021
Sample Date:			08/06/2021	08/06/2021	08/06/2021	08/06/2021	07/12/2021
Normal Sample or Field Duplicate:			N	N	N	N	TB
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Bromoform	50	UG/L	2 U	2 U	2 U	4 U	2 U
Bromomethane	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	10 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
Chloroform	7	UG/L	2.3 J	2.5 U	3.3	5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
Cis-1,3-Dichloropropene	5	UG/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Cymene	**5**	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	5 U	10 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	10 U	5 U
Dichloroethylenes	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
Isopropylbenzene (Cumene)	**5**	UG/L	2.5 U	2.5 U	**16**	5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	10 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	10 U	5 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	1.4 J	5 U	2.5 U
Naphthalene	10	UG/L	2.5 U	0.82 J	1.2 J	5 U	2.5 U
N-Butylbenzene	**5**	UG/L	2.5 U	2.5 U	**7.1**	5 U	2.5 U
N-Propylbenzene	**5**	UG/L	2.5 U	2.5 U	**23**	5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
Sec-Butylbenzene	**5**	UG/L	2.5 U	2.5 U	**15**	5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
T-Butylbenzene	**5**	UG/L	2.5 U	2.5 U	**5.4**	5 U	2.5 U

Table 8. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	MW-20	MW-21	MW-25	MW-26	TB_SO_07122021
Sample Designation:			MW-20	MW-21	MW-25	MW-26	TB_SO_07122021
Sample Date:			08/06/2021	08/06/2021	08/06/2021	08/06/2021	07/12/2021
Normal Sample or Field Duplicate:			N	N	N	N	TB
Tert-Butyl Methyl Ether	**10**	UG/L	**20**	2.5 U	2.5 U	5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
Trichloroethylene (TCE)	5	UG/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U	5 U	10 U	5 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	2 U	1 U
Xylenes	**5**	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U

Table 8. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	TB_SO_07192021	TB_SO_07222021	TB_SO_07142021	FB_SO_07142021_1
Sample Designation:			TB_SO_07192021	TB_SO_07222021	TB_SO_07142021	FB_SO_07142021_1
Sample Date:			07/12/2021	07/12/2021	07/14/2021	07/14/2021
Normal Sample or Field Duplicate:			TB	TB	TB	FB
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	**5**	UG/L	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	--	UG/L	250 U	250 U	250 U	250 U
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	2 U
Acetone	50	UG/L	5 U	5 U	5 U	5 U
Acrylonitrile	5	UG/L	5 U	5 U	5 U	5 U
Benzene	1	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U

Table 8. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	TB_SO_07192021	TB_SO_07222021	TB_SO_07142021	FB_SO_07142021_1
Sample Designation:			TB_SO_07192021	TB_SO_07222021	TB_SO_07142021	FB_SO_07142021_1
Sample Date:			07/12/2021	07/12/2021	07/14/2021	07/14/2021
Normal Sample or Field Duplicate:			TB	TB	TB	FB
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	UG/L	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U
Dichloroethylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U

Table 8. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	Sample Designation: TB_SO_07192021	TB_SO_07222021	TB_SO_07142021	FB_SO_07142021_1
			Sample Date: 07/12/2021	07/12/2021	07/14/2021	07/14/2021
			Normal Sample or Field Duplicate: TB	TB	TB	FB
Tert-Butyl Methyl Ether	**10**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U	5 U	5 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	1 U
Xylenes	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U

Table 8. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	FB_SO_07142021_2	TB_SO_07162021	TB_SO_07202021	FB_SO_07202021
Sample Designation:			FB_SO_07142021_2	TB_SO_07162021	TB_SO_07202021	FB_SO_07202021
Sample Date:			07/14/2021	07/16/2021	07/20/2021	07/20/2021
Normal Sample or Field Duplicate:			FB	TB	TB	FB
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	**5**	UG/L	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	--	UG/L	250 U	250 U	250 U	250 U
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	2 U
Acetone	50	UG/L	5 U	5 U	5 U	5 U
Acrylonitrile	5	UG/L	5 U	5 U	5 U	5 U
Benzene	1	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U

Table 8. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	Sample Designation: FB_SO_07142021_2 Sample Date: 07/14/2021 Normal Sample or Field Duplicate: FB	Sample Designation: TB_SO_07162021 Sample Date: 07/16/2021 Normal Sample or Field Duplicate: TB	Sample Designation: TB_SO_07202021 Sample Date: 07/20/2021 Normal Sample or Field Duplicate: TB	Sample Designation: FB_SO_07202021 Sample Date: 07/20/2021 Normal Sample or Field Duplicate: FB
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	UG/L	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U
Dichloroethylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U

Table 8. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	Sample Designation: FB_SO_07142021_2 Sample Date: 07/14/2021 Normal Sample or Field Duplicate: FB	TB_SO_07162021 07/16/2021 TB	TB_SO_07202021 07/20/2021 TB	FB_SO_07202021 07/20/2021 FB
Tert-Butyl Methyl Ether	**10**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U	5 U	5 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	1 U
Xylenes	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U

Table 8. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	TB_SO_07212021	TB_SO_07262021	TB_SO_07272021	TB_SO_07282021
Sample Designation:			TB_SO_07212021	TB_SO_07262021	TB_SO_07272021	TB_SO_07282021
Sample Date:			07/21/2021	07/26/2021	07/27/2021	07/28/2021
Normal Sample or Field Duplicate:			TB	TB	TB	TB
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	**5**	UG/L	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	--	UG/L	250 U	250 U	250 U	250 U
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	2 U
Acetone	50	UG/L	5 U	5 U	5 U	5 U
Acrylonitrile	5	UG/L	5 U	5 U	5 U	5 U
Benzene	1	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U

Table 8. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	TB_SO_07212021	TB_SO_07262021	TB_SO_07272021	TB_SO_07282021
Sample Designation:			TB_SO_07212021	TB_SO_07262021	TB_SO_07272021	TB_SO_07282021
Sample Date:			07/21/2021	07/26/2021	07/27/2021	07/28/2021
Normal Sample or Field Duplicate:			TB	TB	TB	TB
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	UG/L	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U
Dichloroethylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U

Table 8. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

		Sample Designation:	TB_SO_07212021	TB_SO_07262021	TB_SO_07272021	TB_SO_07282021
		Sample Date:	07/21/2021	07/26/2021	07/27/2021	07/28/2021
		Normal Sample or Field Duplicate:	TB	TB	TB	TB
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units				
Tert-Butyl Methyl Ether	**10**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U	5 U	5 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	1 U
Xylenes	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U

Table 8. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

		Sample Designation:	TB_GW_08062021	FB_GW_08062021
		Sample Date:	08/06/2021	08/06/2021
		Normal Sample or Field Duplicate:	TB	FB
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units		
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	**5**	UG/L	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U
1,4-Dioxane (P-Dioxane)	--	UG/L	250 U	250 U
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U
Acetone	50	UG/L	4.4 J	5 U
Acrylonitrile	5	UG/L	5 U	5 U
Benzene	1	UG/L	0.5 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U

Table 8. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	Sample Designation: TB_GW_08062021 Sample Date: 08/06/2021 Normal Sample or Field Duplicate: TB	Sample Designation: FB_GW_08062021 Sample Date: 08/06/2021 Normal Sample or Field Duplicate: FB
Bromochloromethane	5	UG/L	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U
Bromoform	50	UG/L	2 U	2 U
Bromomethane	5	UG/L	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U
Chloroform	7	UG/L	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U
Cis-1,3-Dichloropropene	5	UG/L	0.5 U	0.5 U
Cymene	**5**	UG/L	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U
Dichloroethylenes	5	UG/L	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U
Isopropylbenzene (Cumene)	**5**	UG/L	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 U	2.5 U
N-Butylbenzene	**5**	UG/L	2.5 U	2.5 U
N-Propylbenzene	**5**	UG/L	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U
Sec-Butylbenzene	**5**	UG/L	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U
T-Butylbenzene	**5**	UG/L	2.5 U	2.5 U

Table 8. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

		Sample Designation:	TB_GW_08062021	FB_GW_08062021
		Sample Date:	08/06/2021	08/06/2021
		Normal Sample or Field Duplicate:	TB	FB
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units		
Tert-Butyl Methyl Ether	**10**	UG/L	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 U	2.5 U
Trichloroethylene (TCE)	5	UG/L	0.5 U	0.5 U
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U
Vinyl Chloride	2	UG/L	1 U	1 U
Xylenes	**5**	UG/L	2.5 U	2.5 U

Table 9. Summary of Semivolatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	MW-12	MW-12	MW-13	MW-14	MW-15	MW-16	MW-18
Sample Designation:			MW-12	MW-12	MW-13	MW-14	MW-15	MW-16	MW-18
Sample Date:			08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/09/2021
Normal Sample or Field Duplicate:			N	FD	N	N	N	N	N
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	--	UG/L	0.139 U	0.139 U	0.0603 J	0.144 U	0.139 U	0.139 U	0.0607 J
2,4,5-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrophenol	10	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene	--	UG/L	0.11 J	1.3 J	0.17	0.09 J	0.76	0.05 J	0.03 JB
2-Methylphenol (O-Cresol)	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 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	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4,6-Dinitro-2-Methylphenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloro-3-Methylphenol	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	UG/L	0.04 J	0.05 J	0.33	5	0.97	0.02 J	0.02 J
Acenaphthylene	20	UG/L	0.1 U	0.21	0.31	0.06 J	0.4	0.1 U	0.1 U
Acetophenone	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Anthracene	50	UG/L	0.02 J	0.03 J	0.22	0.24	0.53	0.03 J	0.02 J

Table 9. Summary of Semivolatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	MW-12	MW-12	MW-13	MW-14	MW-15	MW-16	MW-18
Sample Designation:			MW-12	MW-12	MW-13	MW-14	MW-15	MW-16	MW-18
Sample Date:			08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/09/2021
Normal Sample or Field Duplicate:			N	FD	N	N	N	N	N
Benzo(A)Anthracene	**0.002**	UG/L	**0.04 J**	**0.03 J**	**0.04 J**	**0.04 J**	**0.15**	0.1 U	0.1 U
Benzo(A)Pyrene	**0**	UG/L	**0.03 J**	**0.02 J**	**0.03 J**	0.1 U	**0.06 J**	0.1 U	0.1 U
Benzo(B)Fluoranthene	**0.002**	UG/L	**0.04 J**	**0.03 J**	**0.04 J**	0.1 U	**0.07 J**	0.1 U	0.1 U
Benzo(G,H,I)Perylene	--	UG/L	0.02 J	0.02 J	0.02 J	0.1 U	0.02 J	0.1 U	0.1 U
Benzo(K)Fluoranthene	**0.002**	UG/L	**0.02 J**	**0.01 J**	**0.01 J**	0.1 U	**0.03 J**	0.1 U	0.1 U
Benzoic Acid	--	UG/L	50 U	50 U	50 U	50 U	50 U	8.3 J	50 U
Benzyl Alcohol	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzyl Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Biphenyl (Diphenyl)	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroethoxy) Methane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroisopropyl) Ether	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Carbazole	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chrysene	**0.002**	UG/L	**0.03 J**	**0.02 J**	**0.04 J**	**0.03 J**	**0.12**	0.1 U	0.1 U
Dibenz(A,H)Anthracene	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dibenzofuran	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Diethyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dimethyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Di-N-Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Di-N-Octylphthalate	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Fluoranthene	50	UG/L	0.06 JB	0.05 JB	0.36	0.49	0.65	0.03 JB	0.02 J
Fluorene	50	UG/L	0.03 J	0.09 J	0.7	2.6	2.1	0.1 U	0.02 J
Hexachlorobenzene	0.04	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Hexachlorobutadiene	0.5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Hexachloroethane	5	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-C,D)Pyrene	**0.002**	UG/L	**0.03 J**	**0.02 J**	**0.03 J**	0.1 U	**0.03 J**	0.1 U	0.1 U
Isophorone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	UG/L	0.27 J	7.8 J	0.77	0.55	4.2	0.13	0.09 JB
Nitrobenzene	0.4	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
N-Nitrosodi-N-Propylamine	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Table 9. Summary of Semivolatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

		Sample Designation:	MW-12	MW-12	MW-13	MW-14	MW-15	MW-16	MW-18
		Sample Date:	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/09/2021
		Normal Sample or Field Duplicate:	N	FD	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units							
N-Nitrosodiphenylamine	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	1	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Phenanthrene	50	UG/L	0.05 JB	0.13	0.35	0.09 JB	0.67	0.04 JB	0.04 J
Phenol	**1**	UG/L	5 U	5 U	5 U	5 U	5 U	**1.9 J**	5 U
Pyrene	50	UG/L	0.07 JB	0.07 JB	0.28	0.33	0.58	0.04 JB	0.1 J

Table 9. Summary of Semivolatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

		Sample Designation:	MW-20	MW-21	MW-25	MW-26	FB_SO_07142021_1
		Sample Date:	08/06/2021	08/06/2021	08/06/2021	08/06/2021	07/14/2021
		Normal Sample or Field Duplicate:	N	N	N	N	FB
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units					
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	UG/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	--	UG/L	0.0835 J	3.68	0.144 U	0.144 U	0.15 U
2,4,5-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	UG/L	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	UG/L	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrophenol	10	UG/L	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2 U
2-Chlorophenol	--	UG/L	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene	--	UG/L	0.39	0.23	0.08 J	0.8	2 U
2-Methylphenol (O-Cresol)	--	UG/L	5 U	5 U	5 U	5 U	5 U
2-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U
2-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	UG/L	5 U	5 U	5 U	5 U	5 U
3-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U
4,6-Dinitro-2-Methylphenol	--	UG/L	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U	2 U
4-Chloro-3-Methylphenol	--	UG/L	2 U	2 U	2 U	2 U	2 U
4-Chloroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U
4-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	UG/L	0.14	1.1	5.4	0.41	2 U
Acenaphthylene	20	UG/L	0.06 J	0.12	0.41	0.02 J	2 U
Acetophenone	--	UG/L	5 U	5 U	5 U	5 U	5 U
Anthracene	50	UG/L	0.05 J	0.32	1.6	0.06 J	2 U

Table 9. Summary of Semivolatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	MW-20	MW-21	MW-25	MW-26	FB_SO_07142021_1
Sample Designation:			MW-20	MW-21	MW-25	MW-26	FB_SO_07142021_1
Sample Date:			08/06/2021	08/06/2021	08/06/2021	08/06/2021	07/14/2021
Normal Sample or Field Duplicate:			N	N	N	N	FB
Benzo(A)Anthracene	**0.002**	UG/L	**0.05 J**	**0.85**	**0.21**	0.1 U	2 U
Benzo(A)Pyrene	**0**	UG/L	**0.03 J**	**0.86**	**0.06 J**	0.1 U	2 U
Benzo(B)Fluoranthene	**0.002**	UG/L	**0.04 J**	**1.1**	**0.1**	0.1 U	2 U
Benzo(G,H,I)Perylene	--	UG/L	0.02 J	0.53	0.03 J	0.1 U	2 U
Benzo(K)Fluoranthene	**0.002**	UG/L	**0.01 J**	**0.32**	**0.04 J**	0.1 U	2 U
Benzoic Acid	--	UG/L	50 U	50 U	50 U	50 U	50 U
Benzyl Alcohol	--	UG/L	2 U	2 U	2 U	2 U	2 U
Benzyl Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U
Biphenyl (Diphenyl)	5	UG/L	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroethoxy) Methane	5	UG/L	5 U	5 U	5 U	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroisopropyl) Ether	5	UG/L	2 U	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L	2.5 J	4	2.4 J	3 U	3 U
Carbazole	--	UG/L	2 U	2 U	2 U	2 U	2 U
Chrysene	**0.002**	UG/L	**0.02 J**	**0.75**	**0.17**	0.1 U	2 U
Dibenz(A,H)Anthracene	--	UG/L	0.1 U	0.14	0.1 U	0.1 U	2 U
Dibenzofuran	--	UG/L	2 U	2 U	5.2	2 U	2 U
Diethyl Phthalate	50	UG/L	1.1 J	5 U	5 U	5 U	5 U
Dimethyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U
Di-N-Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U
Di-N-Octylphthalate	--	UG/L	5 U	5 U	5 U	5 U	5 U
Fluoranthene	50	UG/L	0.08 JB	1.8	1.7	0.04 JB	2 U
Fluorene	50	UG/L	0.09 J	0.3	7.6	0.18	2 U
Hexachlorobenzene	0.04	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	2 U
Hexachlorobutadiene	0.5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	2 U
Hexachlorocyclopentadiene	5	UG/L	20 U	20 U	20 U	20 U	20 U
Hexachloroethane	5	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	2 U
Indeno(1,2,3-C,D)Pyrene	**0.002**	UG/L	**0.02 J**	**0.62**	**0.04 J**	0.1 U	2 U
Isophorone	50	UG/L	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	UG/L	2.2	0.24	0.55	5	2 U
Nitrobenzene	0.4	UG/L	2 U	2 U	2 U	2 U	2 U
N-Nitrosodi-N-Propylamine	--	UG/L	5 U	5 U	5 U	5 U	5 U

Table 9. Summary of Semivolatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

		Sample Designation:	MW-20	MW-21	MW-25	MW-26	FB_SO_07142021_1
		Sample Date:	08/06/2021	08/06/2021	08/06/2021	08/06/2021	07/14/2021
		Normal Sample or Field Duplicate:	N	N	N	N	FB
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units					
N-Nitrosodiphenylamine	50	UG/L	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	1	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	10 U
Phenanthrene	50	UG/L	0.07 JB	1.2	3.9	0.24	2 U
Phenol	**1**	UG/L	0.65 J	5 U	5 U	5 U	5 U
Pyrene	50	UG/L	0.07 JB	1.5	1.2	0.04 JB	2 U

Table 9. Summary of Semivolatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

		Sample Designation:	FB_SO_07142021_2	FB_SO_07202021	FB_GW_08062021
		Sample Date:	07/14/2021	07/20/2021	08/06/2021
		Normal Sample or Field Duplicate:	FB	FB	FB
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units			
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	UG/L	5 U	5 U	5 U
1,2-Dichlorobenzene	3	UG/L	2 U	2 U	2 U
1,3-Dichlorobenzene	3	UG/L	2 U	2 U	2 U
1,4-Dichlorobenzene	3	UG/L	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	--	UG/L	0.15 U	0.134 U	0.134 U
2,4,5-Trichlorophenol	--	UG/L	5 U	5 U	5 U
2,4,6-Trichlorophenol	--	UG/L	5 U	5 U	5 U
2,4-Dichlorophenol	5	UG/L	5 U	5 U	5 U
2,4-Dimethylphenol	50	UG/L	5 U	5 U	5 U
2,4-Dinitrophenol	10	UG/L	20 U	20 U	20 U
2,4-Dinitrotoluene	5	UG/L	5 U	5 U	5 U
2,6-Dinitrotoluene	5	UG/L	5 U	5 U	5 U
2-Chloronaphthalene	10	UG/L	2 U	2 U	0.2 U
2-Chlorophenol	--	UG/L	2 U	2 U	2 U
2-Methylnaphthalene	--	UG/L	2 U	2 U	0.1 U
2-Methylphenol (O-Cresol)	--	UG/L	5 U	5 U	5 U
2-Nitroaniline	5	UG/L	5 U	5 U	5 U
2-Nitrophenol	--	UG/L	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	UG/L	5 U	5 U	5 U
3-Nitroaniline	5	UG/L	5 U	5 U	5 U
4,6-Dinitro-2-Methylphenol	--	UG/L	10 U	10 U	10 U
4-Bromophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U
4-Chloro-3-Methylphenol	--	UG/L	2 U	2 U	2 U
4-Chloroaniline	5	UG/L	5 U	5 U	5 U
4-Chlorophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U
4-Nitroaniline	5	UG/L	5 U	5 U	5 U
4-Nitrophenol	--	UG/L	10 U	10 U	10 U
Acenaphthene	20	UG/L	2 U	2 U	0.1 U
Acenaphthylene	20	UG/L	2 U	2 U	0.1 U
Acetophenone	--	UG/L	5 U	5 U	5 U
Anthracene	50	UG/L	2 U	2 U	0.1 U

Table 9. Summary of Semivolatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	Sample Designation: FB_SO_07142021_2 Sample Date: 07/14/2021 Normal Sample or Field Duplicate: FB	FB_SO_07202021 07/20/2021 FB	FB_GW_08062021 08/06/2021 FB
Benzo(A)Anthracene	**0.002**	UG/L	2 U	2 U	0.1 U
Benzo(A)Pyrene	**0**	UG/L	2 U	2 U	0.1 U
Benzo(B)Fluoranthene	**0.002**	UG/L	2 U	2 U	0.1 U
Benzo(G,H,I)Perylene	--	UG/L	2 U	2 U	0.1 U
Benzo(K)Fluoranthene	**0.002**	UG/L	2 U	2 U	0.1 U
Benzoic Acid	--	UG/L	50 U	50 U	50 U
Benzyl Alcohol	--	UG/L	2 U	2 U	2 U
Benzyl Butyl Phthalate	50	UG/L	5 U	5 U	5 U
Biphenyl (Diphenyl)	5	UG/L	2 U	2 U	2 U
Bis(2-Chloroethoxy) Methane	5	UG/L	5 U	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	2 U	2 U	2 U
Bis(2-Chloroisopropyl) Ether	5	UG/L	2 U	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L	3 U	3 U	3 U
Carbazole	--	UG/L	2 U	2 U	2 U
Chrysene	**0.002**	UG/L	2 U	2 U	0.1 U
Dibenz(A,H)Anthracene	--	UG/L	2 U	2 U	0.1 U
Dibenzofuran	--	UG/L	2 U	2 U	2 U
Diethyl Phthalate	50	UG/L	5 U	5 U	5 U
Dimethyl Phthalate	50	UG/L	5 U	5 U	5 U
Di-N-Butyl Phthalate	50	UG/L	5 U	5 U	5 U
Di-N-Octylphthalate	--	UG/L	5 U	5 U	5 U
Fluoranthene	50	UG/L	2 U	2 U	0.02 J
Fluorene	50	UG/L	2 U	2 U	0.1 U
Hexachlorobenzene	0.04	UG/L	2 U	2 U	0.8 U
Hexachlorobutadiene	0.5	UG/L	2 U	2 U	0.5 U
Hexachlorocyclopentadiene	5	UG/L	20 U	20 U	20 U
Hexachloroethane	5	UG/L	2 U	2 U	0.8 U
Indeno(1,2,3-C,D)Pyrene	**0.002**	UG/L	2 U	2 U	0.1 U
Isophorone	50	UG/L	5 U	5 U	5 U
Naphthalene	10	UG/L	2 U	2 U	0.1 U
Nitrobenzene	0.4	UG/L	2 U	2 U	2 U
N-Nitrosodi-N-Propylamine	--	UG/L	5 U	5 U	5 U

Table 9. Summary of Semivolatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

		Sample Designation:	FB_SO_07142021_2	FB_SO_07202021	FB_GW_08062021
		Sample Date:	07/14/2021	07/20/2021	08/06/2021
		Normal Sample or Field Duplicate:	FB	FB	FB
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units			
N-Nitrosodiphenylamine	50	UG/L	2 U	2 U	2 U
Pentachlorophenol	1	UG/L	10 U	10 U	0.8 U
Phenanthrene	50	UG/L	2 U	2 U	0.03 J
Phenol	**1**	UG/L	5 U	5 U	5 U
Pyrene	50	UG/L	2 U	2 U	0.02 J

Table 10. Summary of Metals in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			MW-12	MW-12	MW-12	MW-12	MW-13	MW-13	MW-14	MW-14	MW-15
Sample Date:			08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021
Normal Sample or Field Duplicate:			N	N	FD	FD	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	88.2	7.05 JB	113	8.19 JB	16.4	22.1 B	591	8.36 JB	381
Antimony	3	UG/L	1.74 J	1.32 J	0.55 J	0.97 J	4 U	4 U	4 U	4 U	4 U
Arsenic	**25**	UG/L	3.17	3.24	3.71	3.14	12.71	2.17	5.07	1.71	8.57
Barium	1000	UG/L	53.18	50.12	54.54	50.71	350.8	261.2	89.58	47.97	223.9
Beryllium	3	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cadmium	5	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
Calcium	--	UG/L	78200	79900	83400	80800	219000	204000	102000	96200	244000
Chromium, Hexavalent	50	UG/L	50 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Chromium, Total	50	UG/L	0.58 J	0.22 J	0.62 J	1 U	0.64 J	0.28 J	1.82	1 U	3.46
Cobalt	--	UG/L	0.75	0.72	0.83	0.6	1.83	1.47	0.65	0.2 J	0.75
Copper	200	UG/L	1.62	1.69	1.7	1.45	2.26	0.73 J	1.33	1 U	1.71
Cyanide	**200**	UG/L	**273 J-**	NA	**342 J-**	NA	9 J-	NA	82 J-	NA	3 J-
Iron	**300**	UG/L	**446**	137	**559**	133	**27800**	**621**	**11600**	221	**20600**
Lead	**25**	UG/L	1.7	1 U	2.13	1 U	8.65	1 U	1.46	1 U	1.27
Magnesium	**35000**	UG/L	9820	9480	10200	9440	**43800**	**36300**	17700	16200	**41800**
Manganese	**300**	UG/L	**650.8**	**628**	**671.8**	**621.8**	**1952**	**1587**	**1400**	**1208**	**16930**
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	1.42 J	1.19 J	1.49 J	1.1 J	1.83 J	1.77 J	1.24 J	2 U	1.02 J
Potassium	--	UG/L	10800	10800	11400	10900	26000	24200	9820	9150	17400
Selenium	10	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Silver	50	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	0.4 U
Sodium	**20000**	UG/L	**58100**	**59800**	**57400**	**59900**	**119000**	**121000**	**22600**	**23300**	**77700**
Thallium	0.5	UG/L	0.22 JB	0.16 JB	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	2.24 J	5 U	1.84 J
Zinc	2000	UG/L	14.13 B	10 U	12.94 B	10 U	50.52 B	16.86	16.23 B	10 U	16.71 B

Table 10. Summary of Metals in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			MW-15	MW-16	MW-16	MW-18	MW-18	MW-20	MW-20	MW-21	MW-21
Sample Date:			08/06/2021	08/06/2021	08/06/2021	08/09/2021	08/09/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021
Normal Sample or Field Duplicate:			N	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	21.3 B	958	13.9 B	198	7.98 J	1710	7.1 JB	8030	14.4 B
Antimony	3	UG/L	4 U	4 U	0.63 J	4 U	4 U	0.97 J	0.65 J	0.51 J	4 U
Arsenic	**25**	UG/L	3.83	0.76	0.79	0.78	0.23 J	12.03	5.87	18.72	2.39
Barium	1000	UG/L	150.6	144.5	124	304.5	211.5	128.3	168.6	514.6	353.5
Beryllium	3	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.16 J	0.5 U	0.54	0.5 U
Cadmium	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.06 J	0.2 U	0.25	0.2 U
Calcium	--	UG/L	232000	225000	214000	210000	206000	69700	108000	201000	193000
Chromium, Hexavalent	50	UG/L	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA
Chromium, Total	50	UG/L	1.41	2.54	0.32 J	0.83 J	0.19 J	4.97	1 U	17.14	0.35 J
Cobalt	--	UG/L	0.35 J	0.83	0.23 J	0.93	0.75	5.49	3.05	8.58	2.85
Copper	200	UG/L	2.26	2.26	1 U	1.05	1 U	12.08	0.76 J	78.3	2.22
Cyanide	**200**	UG/L	NA	70 J-	NA	9	NA	5 UJ	NA	4 J-	NA
Iron	**300**	UG/L	**3010**	**1820**	87.4	**16500**	**937**	**4480**	25.1 JB	**54900**	71
Lead	**25**	UG/L	0.36 J	6.98	1 U	2.32	1 U	13.85	1 U	**97.37**	1 U
Magnesium	**35000**	UG/L	33500	**49800**	**40100**	**46200**	**47300**	14000	20800	**66700**	**58400**
Manganese	**300**	UG/L	**16580**	**2228**	**1843**	**4530**	**4561**	**1036**	**1634**	**2533**	**1895**
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	0.4	0.2 U
Nickel	100	UG/L	2 U	2.77	0.65 J	0.78 J	2 U	6.16	2.33	15.06	1.88 J
Potassium	--	UG/L	16600	21400	20100	28600	28800	16900	21500	47900	43400
Selenium	10	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.85 J	5 U
Silver	50	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.3 J	0.4 U	0.4 U	0.4 U
Sodium	**20000**	UG/L	**79900**	**74900**	**74200**	**209000**	**216000**	**57800**	**95400**	**214000**	**228000**
Thallium	0.5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	--	UG/L	5 U	3.1 J	5 U	5 U	5 U	7.07	5 U	15.86	5 U
Zinc	2000	UG/L	4.62 J	17.51 B	10 U	18.93	3.8 J	28.49 B	10 U	128.2	5.9 J

Table 10. Summary of Metals in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			MW-25	MW-25	MW-26	MW-26	FB_SO_07142021_1	FB_SO_07142021_2
Sample Date:			08/06/2021	08/06/2021	08/06/2021	08/06/2021	07/14/2021	07/14/2021
Normal Sample or Field Duplicate:			N	N	N	N	FB	FB
Total or Dissolved:			Total	Dissolved	Total	Dissolved	Total	Total
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units						
Aluminum	--	UG/L	1010	3.93 JB	381	4.38 JB	100 U	100 U
Antimony	3	UG/L	4 U	4 U	4 U	4 U	50 U	50 U
Arsenic	**25**	UG/L	**28.15**	4.85	**31.74**	9.53	5 U	5 U
Barium	1000	UG/L	297.7	181.7	218.7	122.9	10 U	10 U
Beryllium	3	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U
Cadmium	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	5 U	5 U
Calcium	--	UG/L	104000	105000	72600	74400	100 U	100 U
Chromium, Hexavalent	50	UG/L	10 U	NA	10 U	NA	10 U	10 U
Chromium, Total	50	UG/L	3.44	0.26 J	1.09	0.18 J	10 U	10 U
Cobalt	--	UG/L	1.38	0.38 J	0.64	0.31 J	20 U	20 U
Copper	200	UG/L	3.59	1 U	1.76	1 U	10 U	10 U
Cyanide	**200**	UG/L	22 J-	NA	3 J-	NA	5 U	5 U
Iron	**300**	UG/L	**22900**	58.7	**7710**	48 JB	50 U	50 U
Lead	**25**	UG/L	1.95	1 U	1.28	1 U	10 U	10 U
Magnesium	**35000**	UG/L	22900	21800	17800	17700	100 U	100 U
Manganese	**300**	UG/L	**1033**	**920.7**	**1419**	**1275**	10 U	10 U
Mercury	0.7	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	2.39	2 U	1.34 J	2 U	25 U	25 U
Potassium	--	UG/L	12900	12500	12200	12300	2500 U	2500 U
Selenium	10	UG/L	5 U	5 U	5 U	5 U	10 U	10 U
Silver	50	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	7 U	7 U
Sodium	**20000**	UG/L	**172000**	**193000**	**125000**	**144000**	2000 U	2000 U
Thallium	0.5	UG/L	1 U	1 U	1 U	1 U	20 U	20 U
Vanadium	--	UG/L	3.48 J	5 U	5 U	5 U	10 U	10 U
Zinc	2000	UG/L	20.85 B	10 U	15.95 B	10 U	50 U	50 U

Table 10. Summary of Metals in Groundwater, 2-33 50th Avenue, Long Island City, New York

		Sample Designation:	FB_SO_07202021	FB_GW_08062021	FB_GW_08062021
		Sample Date:	07/20/2021	08/06/2021	08/06/2021
		Normal Sample or Field Duplicate:	FB	FB	FB
		Total or Dissolved:	Total	Total	Dissolved
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units			
Aluminum	--	UG/L	100 U	10 U	10.4
Antimony	3	UG/L	50 U	4 U	4 U
Arsenic	**25**	UG/L	5 U	0.5 U	0.5 U
Barium	1000	UG/L	10 U	0.31 J	0.2 J
Beryllium	3	UG/L	5 U	0.5 U	0.5 U
Cadmium	5	UG/L	5 U	0.2 U	0.2 U
Calcium	--	UG/L	100 U	100 U	64.4 J
Chromium, Hexavalent	50	UG/L	10 U	10 U	NA
Chromium, Total	50	UG/L	10 U	1 U	1 U
Cobalt	--	UG/L	20 U	0.5 U	0.5 U
Copper	200	UG/L	10 U	1 U	1 U
Cyanide	**200**	UG/L	5 U	5 U	NA
Iron	**300**	UG/L	50 U	50 U	19.9 J
Lead	**25**	UG/L	10 U	1 U	1 U
Magnesium	**35000**	UG/L	100 U	70 U	70 U
Manganese	**300**	UG/L	10 U	1 U	0.71 J
Mercury	0.7	UG/L	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	25 U	2 U	2 U
Potassium	--	UG/L	2500 U	100 U	100 U
Selenium	10	UG/L	10 U	5 U	5 U
Silver	50	UG/L	7 U	0.4 U	0.4 U
Sodium	**20000**	UG/L	2000 U	100 U	100 U
Thallium	0.5	UG/L	20 U	0.15 J	0.18 J
Vanadium	--	UG/L	10 U	5 U	5 U
Zinc	2000	UG/L	50 U	13.16	10 U

Table 11. Summary of Polychlorinated Biphenyls in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			MW-12	MW-12	MW-13	MW-14	MW-15	MW-16	MW-18	MW-20
Sample Date:			08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/09/2021	08/06/2021
Normal Sample or Field Duplicate:			N	FD	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units								
PCB-1016 (Aroclor 1016)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1221 (Aroclor 1221)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1232 (Aroclor 1232)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1242 (Aroclor 1242)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1248 (Aroclor 1248)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1254 (Aroclor 1254)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1260 (Aroclor 1260)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1262 (Aroclor 1262)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1268 (Aroclor 1268)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
Polychlorinated Biphenyl (PCBs)	0.09	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U

Table 11. Summary of Polychlorinated Biphenyls in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			MW-21	MW-25	MW-26	FB_SO_07142021_1	FB_SO_07142021_2	FB_SO_07202021	FB_GW_08062021
Sample Date:			08/06/2021	08/06/2021	08/06/2021	07/14/2021	07/14/2021	07/20/2021	08/06/2021
Normal Sample or Field Duplicate:			N	N	N	FB	FB	FB	FB
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units							
PCB-1016 (Aroclor 1016)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1221 (Aroclor 1221)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1232 (Aroclor 1232)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1242 (Aroclor 1242)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1248 (Aroclor 1248)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1254 (Aroclor 1254)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1260 (Aroclor 1260)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1262 (Aroclor 1262)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
PCB-1268 (Aroclor 1268)	--	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U
Polychlorinated Biphenyl (PCBs)	0.09	UG/L	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U	0.071 U

Table 12. Summary of Pesticides and Herbicides in Groundwater, 2-33 50th Avenue, Long Island City, New York

		Sample Designation:	MW-12	MW-12	MW-13	MW-14	MW-15	MW-16	MW-18
		Sample Date:	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/09/2021
		Normal Sample or Field Duplicate:	N	FD	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units							
2,4-D (Dichlorophenoxyacetic Acid)	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetic acid, (2,4,5-trichlorophenoxy)-	35	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Aldrin	0	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Alpha Endosulfan	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Beta Endosulfan	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Chlordane	0.05	UG/L	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U
cis-Chlordane	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Dieldrin	0.004	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endosulfan Sulfate	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endrin	0	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endrin Aldehyde	5	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endrin Ketone	5	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Gamma Bhc (Lindane)	0.05	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Heptachlor	0.04	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Heptachlor Epoxide	0.03	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Methoxychlor	35	UG/L	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U
P,P'-DDD	0.3	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
P,P'-DDE	0.2	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
P,P'-DDT	0.2	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Silvex (2,4,5-TP)	0.26	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Toxaphene	0.06	UG/L	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U
trans-Chlordane	0	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U

Table 12. Summary of Pesticides and Herbicides in Groundwater, 2-33 50th Avenue, Long Island City, New York

		Sample Designation:	MW-20	MW-21	MW-25	MW-26	FB_SO_07142021_1
		Sample Date:	08/06/2021	08/06/2021	08/06/2021	08/06/2021	07/14/2021
		Normal Sample or Field Duplicate:	N	N	N	N	FB
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units					
2,4-D (Dichlorophenoxyacetic Acid)	50	UG/L	10 U	10 U	10 U	10 U	10 U
Acetic acid, (2,4,5-trichlorophenoxy)-	35	UG/L	2 U	2 U	2 U	2 U	2 U
Aldrin	0	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Alpha Endosulfan	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Beta Endosulfan	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Chlordane	0.05	UG/L	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U
cis-Chlordane	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Dieldrin	0.004	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endosulfan Sulfate	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endrin	0	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endrin Aldehyde	5	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Endrin Ketone	5	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Gamma Bhc (Lindane)	0.05	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Heptachlor	0.04	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Heptachlor Epoxide	0.03	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Methoxychlor	35	UG/L	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U
P,P'-DDD	0.3	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
P,P'-DDE	0.2	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
P,P'-DDT	0.2	UG/L	0.029 U	0.029 U	0.029 U	0.029 U	0.029 U
Silvex (2,4,5-TP)	0.26	UG/L	2 U	2 U	2 U	2 U	2 U
Toxaphene	0.06	UG/L	0.143 U	0.143 U	0.143 U	0.143 U	0.143 U
trans-Chlordane	0	UG/L	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U

Table 12. Summary of Pesticides and Herbicides in Groundwater, 2-33 50th Avenue, Long Island City, New York

		Sample Designation:	FB_SO_07142021_2	FB_SO_07202021	FB_GW_08062021
		Sample Date:	07/14/2021	07/20/2021	08/06/2021
		Normal Sample or Field Duplicate:	FB	FB	FB
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units			
2,4-D (Dichlorophenoxyacetic Acid)	50	UG/L	10 U	10 U	10 U
Acetic acid, (2,4,5-trichlorophenoxy)-	35	UG/L	2 U	2 U	2 U
Aldrin	0	UG/L	0.014 U	0.014 U	0.014 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	UG/L	0.014 U	0.014 U	0.014 U
Alpha Endosulfan	--	UG/L	0.014 U	0.014 U	0.014 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	UG/L	0.014 U	0.014 U	0.014 U
Beta Endosulfan	--	UG/L	0.029 U	0.029 U	0.029 U
Chlordane	0.05	UG/L	0.143 U	0.143 U	0.143 U
cis-Chlordane	--	UG/L	0.014 U	0.014 U	0.014 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	UG/L	0.014 U	0.014 U	0.014 U
Dieldrin	0.004	UG/L	0.029 U	0.029 U	0.029 U
Endosulfan Sulfate	--	UG/L	0.029 U	0.029 U	0.029 U
Endrin	0	UG/L	0.029 U	0.029 U	0.029 U
Endrin Aldehyde	5	UG/L	0.029 U	0.029 U	0.029 U
Endrin Ketone	5	UG/L	0.029 U	0.029 U	0.029 U
Gamma Bhc (Lindane)	0.05	UG/L	0.014 U	0.014 U	0.014 U
Heptachlor	0.04	UG/L	0.014 U	0.014 U	0.014 U
Heptachlor Epoxide	0.03	UG/L	0.014 U	0.014 U	0.014 U
Methoxychlor	35	UG/L	0.143 U	0.143 U	0.143 U
P,P'-DDD	0.3	UG/L	0.029 U	0.029 U	0.029 U
P,P'-DDE	0.2	UG/L	0.029 U	0.029 U	0.029 U
P,P'-DDT	0.2	UG/L	0.029 U	0.029 U	0.029 U
Silvex (2,4,5-TP)	0.26	UG/L	2 U	2 U	2 U
Toxaphene	0.06	UG/L	0.143 U	0.143 U	0.143 U
trans-Chlordane	0	UG/L	0.014 U	0.014 U	0.014 U

Table 13. Summary of Per- and Polyfluoroalkyl Substances in Groundwater, 2-33 50th Avenue, Long Island City, New York

Parameter	NYSDEC Drinking Water MCL	Units	MW-12	MW-12	MW-13	MW-14	MW-15	MW-16
Sample Designation:			MW-12	MW-12	MW-13	MW-14	MW-15	MW-16
Sample Date:			08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021
Normal Sample or Field Duplicate:			N	FD	N	N	N	N
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	NG/L	0.595 U	0.614 U	0.628 U	0.608 U	0.584 U	0.599 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	NG/L	0.738 U	0.761 U	0.779 U	0.754 U	0.725 U	0.743 U
Perfluorobutanesulfonic acid (PFBS)	--	NG/L	8.1	8.19	7.82	3.38	5.64	10.2
Perfluorobutanoic Acid	--	NG/L	20.4	20.3	29.9	12.3	87.1	66.5
Perfluorodecane Sulfonic Acid	--	NG/L	0.899 U	0.928 U	0.95 U	0.92 U	0.883 U	0.906 U
Perfluorodecanoic acid (PFDA)	--	NG/L	0.422 J	0.458 J	0.714 J	0.683 J	0.616 J	0.281 U
Perfluorododecanoic acid (PFDoA)	--	NG/L	0.341 U	0.352 U	0.361 U	0.349 U	0.335 U	0.344 U
Perfluoroheptane Sulfonate (PFHPS)	--	NG/L	0.631 U	0.651 U	0.667 U	0.646 U	0.62 U	0.636 U
Perfluoroheptanoic acid (PFHpA)	--	NG/L	10.1	10	17.2	5.69	9.76 J	13.7 J
Perfluorohexanesulfonic acid (PFHxS)	--	NG/L	0.87 J	0.826 J	5.86	1.74 J	2.52 J	1.74 J
Perfluorohexanoic acid (PFHxA)	--	NG/L	39.2	39.5	30.2	7.83	4.87 J	3.83 J
Perfluorononanoic acid (PFNA)	--	NG/L	1.6 J	1.66 J	2.82	2.08	2.64	0.547 J
Perfluorooctane Sulfonamide (FOSA)	--	NG/L	0.532 U	0.549 U	0.562 U	0.544 U	0.523 U	0.536 U
Perfluorooctanesulfonic acid (PFOS)	**10**	NG/L	5.48	5.69	**14.7 J**	**15.4**	**12.1**	3.7 J
Perfluorooctanoic acid (PFOA)	**10**	NG/L	**21.4**	**21.5**	**63.6**	**26.6**	**40**	**55**
Perfluoropentanoic Acid (PFPeA)	--	NG/L	65.5	65	48.2	8.08	28.7	2.48
Perfluorotetradecanoic acid (PFTA)	--	NG/L	0.228 U	0.235 U	0.24 U	0.233 U	0.224 U	0.229 U
Perfluorotridecanoic Acid (PFTriA)	--	NG/L	0.3 U	0.31 U	0.317 U	0.307 U	0.295 U	0.302 U
Perfluoroundecanoic Acid (PFUnA)	--	NG/L	0.239 U	0.246 U	0.252 U	0.244 U	0.234 U	0.24 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	NG/L	1.11 U	1.15 U	1.18 U	1.14 U	1.09 U	1.12 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	NG/L	1.35 J	1.84 J	1.29 U	1.25 U	1.2 U	1.23 U
TOTAL PFOA AND PFOS	--	NG/L	26.9	27.2	78.3	42	52.1	58.7

Table 13. Summary of Per- and Polyfluoroalkyl Substances in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			MW-18	MW-20	MW-21	MW-25	MW-26	FB_SO_07122021 P
Sample Date:			08/09/2021	08/06/2021	08/06/2021	08/06/2021	08/06/2021	07/12/2021
Normal Sample or Field Duplicate:			N	N	N	N	N	FB
Parameter	NYSDEC Drinking Water MCL	Units						
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	NG/L	0.613 U	0.611 U	0.615 U	0.615 U	0.614 U	0.581 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	NG/L	0.76 U	2.02 J	0.763 U	0.762 U	0.762 U	0.721 U
Perfluorobutanesulfonic acid (PFBS)	--	NG/L	30.4	4.6	3.47	8.66	9.68	0.214 U
Perfluorobutanoic Acid	--	NG/L	24.1	8.84	9.95	18.2	47.8	0.366 U
Perfluorodecane Sulfonic Acid	--	NG/L	0.926 U	0.924 U	0.93 U	0.93 U	0.928 U	0.879 U
Perfluorodecanoic acid (PFDA)	--	NG/L	0.287 U	0.766 J	0.289 U	0.823 J	0.288 U	0.273 U
Perfluorododecanoic acid (PFDoA)	--	NG/L	0.352 U	0.351 U	0.353 U	0.353 U	0.352 U	0.334 U
Perfluoroheptane Sulfonate (PFHPS)	--	NG/L	0.65 U	0.649 U	0.653 U	0.652 U	0.913 J	0.617 U
Perfluoroheptanoic acid (PFHpA)	--	NG/L	4.74	3.84	4.42	10.2	16	0.202 U
Perfluorohexanesulfonic acid (PFHxS)	--	NG/L	1.92	1.89	1.38 J	5.02	3	0.337 U
Perfluorohexanoic acid (PFHxA)	--	NG/L	5.35	7.57	4.89	12.4	61.9	0.406 J
Perfluorononanoic acid (PFNA)	--	NG/L	1.94	1.46 J	1.94	2.79	11.2	0.28 U
Perfluorooctane Sulfonamide (FOSA)	--	NG/L	0.548 U	0.547 U	0.551 U	0.55 U	0.549 U	0.52 U
Perfluorooctanesulfonic acid (PFOS)	**10**	NG/L	**13.3**	**14.4**	4.28	9.66	**28.2**	0.452 U
Perfluorooctanoic acid (PFOA)	**10**	NG/L	**26.9**	**16.9**	**42**	**121**	**105**	0.212 U
Perfluoropentanoic Acid (PFPeA)	--	NG/L	7	3.34	3.66	11	64.6	0.355 U
Perfluorotetradecanoic acid (PFTA)	--	NG/L	0.234 U	0.234 U	0.235 U	0.235 U	0.235 U	0.222 U
Perfluorotridecanoic Acid (PFTriA)	--	NG/L	0.309 U	0.309 U	0.311 U	0.31 U	0.31 U	0.294 U
Perfluoroundecanoic Acid (PFUnA)	--	NG/L	0.246 U	0.245 U	0.247 U	0.288 J	0.246 U	0.233 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	NG/L	1.14 U	1.14 U	1.15 U	1.15 U	1.15 U	1.09 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	NG/L	1.26 U	1.26 U	1.26 U	1.26 U	1.26 U	1.2 U
TOTAL PFOA AND PFOS	--	NG/L	40.2	31.3	46.3	131	133	0.212 U

Table 13. Summary of Per- and Polyfluoroalkyl Substances in Groundwater, 2-33 50th Avenue, Long Island City, New York

		Sample Designation:	FB_SO_07142021_1P	FB_SO_07162021_1P	FB_SO_07192021 P
		Sample Date:	07/14/2021	07/16/2021	07/19/2021
		Normal Sample or Field Duplicate:	FB	FB	FB
Parameter	NYSDEC Drinking Water MCL	Units			
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	NG/L	0.582 U	0.588 U	0.58 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	NG/L	0.722 U	0.73 U	0.72 U
Perfluorobutanesulfonic acid (PFBS)	--	NG/L	0.214 U	0.216 U	0.213 U
Perfluorobutanoic Acid	--	NG/L	0.366 U	0.37 U	0.365 U
Perfluorodecane Sulfonic Acid	--	NG/L	0.88 U	0.89 U	0.878 U
Perfluorodecanoic acid (PFDA)	--	NG/L	0.273 U	0.276 U	0.272 U
Perfluorododecanoic acid (PFDoA)	--	NG/L	0.334 U	0.338 U	0.333 U
Perfluoroheptane Sulfonate (PFHPS)	--	NG/L	0.618 U	0.625 U	0.616 U
Perfluoroheptanoic acid (PFHpA)	--	NG/L	0.202 U	0.204 U	0.202 U
Perfluorohexanesulfonic acid (PFHxS)	--	NG/L	0.338 U	0.341 U	0.337 U
Perfluorohexanoic acid (PFHxA)	--	NG/L	0.295 U	0.298 U	0.294 U
Perfluorononanoic acid (PFNA)	--	NG/L	0.28 U	0.283 U	0.279 U
Perfluorooctane Sulfonamide (FOSA)	--	NG/L	0.521 U	0.526 U	0.519 U
Perfluorooctanesulfonic acid (PFOS)	**10**	NG/L	0.453 U	0.458 U	0.451 U
Perfluorooctanoic acid (PFOA)	**10**	NG/L	0.212 U	0.214 U	0.211 U
Perfluoropentanoic Acid (PFPeA)	--	NG/L	0.356 U	0.36 U	0.355 U
Perfluorotetradecanoic acid (PFTA)	--	NG/L	0.223 U	0.225 U	0.222 U
Perfluorotridecanoic Acid (PFTriA)	--	NG/L	0.294 U	0.297 U	0.293 U
Perfluoroundecanoic Acid (PFUnA)	--	NG/L	0.234 U	0.236 U	0.233 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	NG/L	1.09 U	1.1 U	1.08 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	NG/L	1.2 U	1.21 U	1.19 U
TOTAL PFOA AND PFOS	--	NG/L	0.212 U	0.214 U	0.211 U

Table 13. Summary of Per- and Polyfluoroalkyl Substances in Groundwater, 2-33 50th Avenue, Long Island City, New York

		Sample Designation:	FB_SO_07202021 P	FB-SO-07212021P	FB_SO_07222021 P	FB-SO-07262021P
		Sample Date:	07/20/2021	07/21/2021	07/22/2021	07/26/2021
		Normal Sample or Field Duplicate:	FB	FB	FB	FB
Parameter	NYSDEC Drinking Water MCL	Units				
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	NG/L	0.598 U	0.608 U	0.591 U	0.593 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	NG/L	0.741 U	0.754 U	0.733 U	0.736 U
Perfluorobutanesulfonic acid (PFBS)	--	NG/L	0.219 U	0.223 U	0.217 U	0.218 U
Perfluorobutanoic Acid	--	NG/L	0.376 U	0.383 U	0.372 U	0.373 U
Perfluorodecane Sulfonic Acid	--	NG/L	0.904 U	0.919 U	0.894 U	0.897 U
Perfluorodecanoic acid (PFDA)	--	NG/L	0.28 U	0.285 U	0.277 U	0.278 U
Perfluorododecanoic acid (PFDoA)	--	NG/L	0.343 U	0.349 U	0.339 U	0.34 U
Perfluoroheptane Sulfonate (PFHPS)	--	NG/L	0.634 U	0.645 U	0.628 U	0.63 U
Perfluoroheptanoic acid (PFHpA)	--	NG/L	0.208 U	0.211 U	0.205 U	0.206 U
Perfluorohexanesulfonic acid (PFHxS)	--	NG/L	0.347 U	0.353 U	0.343 U	0.344 U
Perfluorohexanoic acid (PFHxA)	--	NG/L	0.302 U	0.308 U	0.299 U	0.3 U
Perfluorononanoic acid (PFNA)	--	NG/L	0.288 U	0.293 U	0.284 U	0.286 U
Perfluorooctane Sulfonamide (FOSA)	--	NG/L	0.535 U	0.544 U	0.529 U	0.531 U
Perfluorooctanesulfonic acid (PFOS)	**10**	NG/L	0.465 U	0.473 U	0.46 U	0.461 U
Perfluorooctanoic acid (PFOA)	**10**	NG/L	0.218 U	0.221 U	0.215 U	0.216 U
Perfluoropentanoic Acid (PFPeA)	--	NG/L	0.365 U	0.372 U	0.361 U	0.362 U
Perfluorotetradecanoic acid (PFTA)	--	NG/L	0.229 U	0.233 U	0.226 U	0.227 U
Perfluorotridecanoic Acid (PFTriA)	--	NG/L	0.302 U	0.307 U	0.298 U	0.3 U
Perfluoroundecanoic Acid (PFUnA)	--	NG/L	0.24 U	0.244 U	0.237 U	0.238 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	NG/L	1.12 U	1.14 U	1.1 U	1.11 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	NG/L	1.23 U	1.25 U	1.21 U	1.22 U
TOTAL PFOA AND PFOS	--	NG/L	0.218 U	0.221 U	0.215 U	0.216 U

Table 13. Summary of Per- and Polyfluoroalkyl Substances in Groundwater, 2-33 50th Avenue, Long Island City, New York

		Sample Designation:	FB-SO-07272021P	FB_SO_07282021 P	FB-GW_08062021P	FB-GW-08092021P
		Sample Date:	07/27/2021	07/28/2021	08/06/2021	08/09/2021
		Normal Sample or Field Duplicate:	FB	FB	FB	FB
Parameter	NYSDEC Drinking Water MCL	Units				
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	NG/L	0.592 U	0.6 U	0.569 U	0.601 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	NG/L	0.735 U	0.745 U	0.706 U	0.746 U
Perfluorobutanesulfonic acid (PFBS)	--	NG/L	0.218 U	0.22 U	0.209 U	0.221 U
Perfluorobutanoic Acid	--	NG/L	0.373 U	0.378 U	0.358 U	0.379 U
Perfluorodecane Sulfonic Acid	--	NG/L	0.896 U	0.908 U	0.86 U	0.909 U
Perfluorodecanoic acid (PFDA)	--	NG/L	0.278 U	0.282 U	0.267 U	0.282 U
Perfluorododecanoic acid (PFDoA)	--	NG/L	0.34 U	0.345 U	0.326 U	0.345 U
Perfluoroheptane Sulfonate (PFHPS)	--	NG/L	0.629 U	0.637 U	0.604 U	0.638 U
Perfluoroheptanoic acid (PFHpA)	--	NG/L	0.206 U	0.209 U	0.198 U	0.209 U
Perfluorohexanesulfonic acid (PFHxS)	--	NG/L	0.344 U	0.348 U	0.33 U	0.349 U
Perfluorohexanoic acid (PFHxA)	--	NG/L	0.3 U	0.304 U	0.288 U	0.304 U
Perfluorononanoic acid (PFNA)	--	NG/L	0.285 U	0.289 U	0.274 U	0.29 U
Perfluorooctane Sulfonamide (FOSA)	--	NG/L	0.53 U	0.537 U	0.509 U	0.538 U
Perfluorooctanesulfonic acid (PFOS)	**10**	NG/L	0.461 U	0.467 U	0.442 U	0.468 U
Perfluorooctanoic acid (PFOA)	**10**	NG/L	0.216 U	0.219 U	0.207 U	0.219 U
Perfluoropentanoic Acid (PFPeA)	--	NG/L	0.362 U	0.367 U	0.348 U	0.367 U
Perfluorotetradecanoic acid (PFTA)	--	NG/L	0.227 U	0.23 U	0.218 U	0.23 U
Perfluorotridecanoic Acid (PFTriA)	--	NG/L	0.299 U	0.303 U	0.287 U	0.304 U
Perfluoroundecanoic Acid (PFUnA)	--	NG/L	0.238 U	0.241 U	0.228 U	0.241 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	NG/L	1.11 U	1.12 U	1.06 U	1.12 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	NG/L	1.22 U	1.23 U	1.17 U	1.24 U
TOTAL PFOA AND PFOS	--	NG/L	0.216 U	0.219 U	0.207 U	0.219 U

Table 14. Summary of Volatile Organic Compounds in Soil Vapor, 2-33 50th Avenue, Long Island City, New York

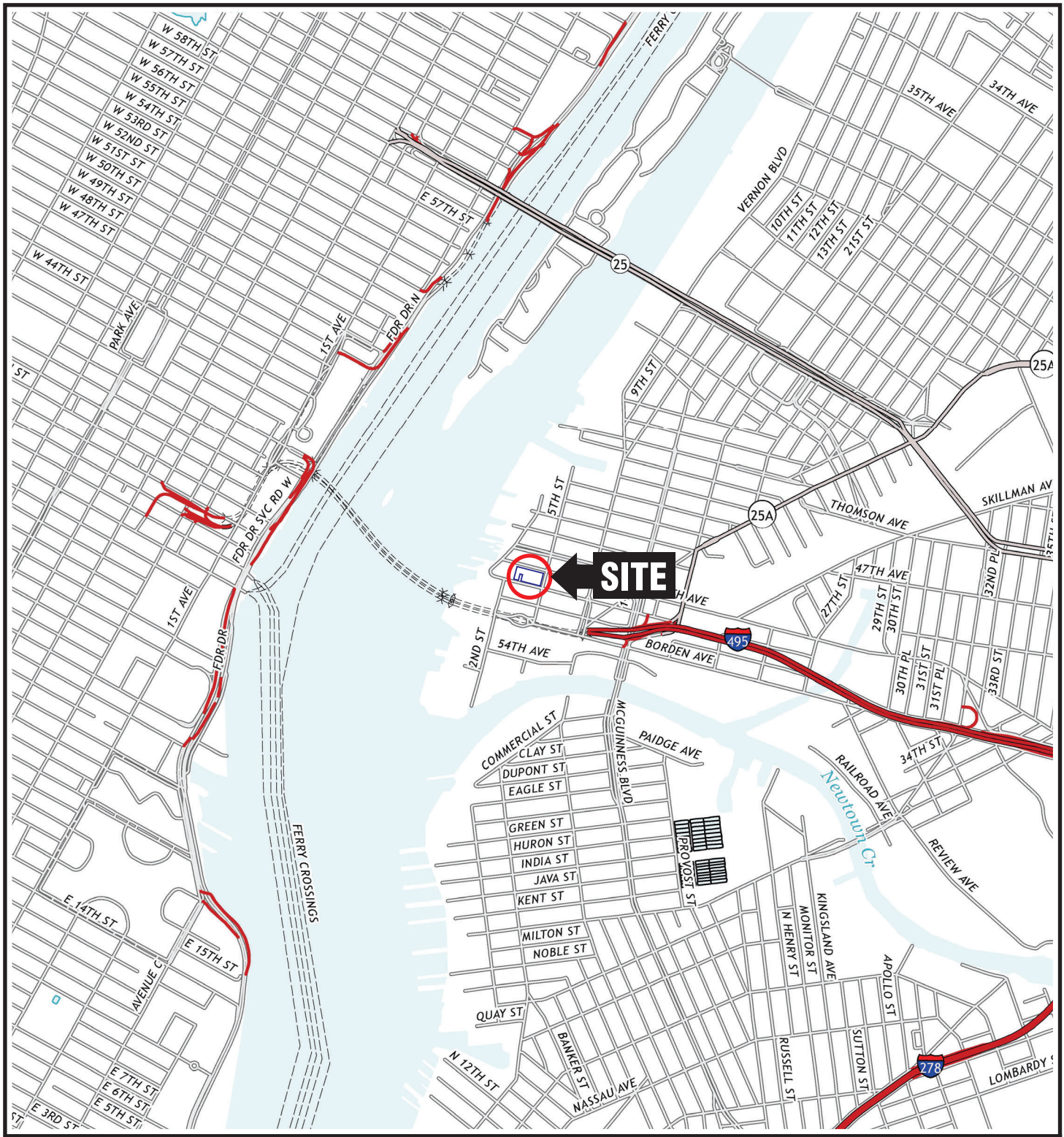
Sample Designation:		SV-11	SV-12	SV-15	SV-17	SV-17	SV-19	SV-21
Sample Date:		07/22/2021	07/22/2021	07/22/2021	07/28/2021	07/28/2021	07/28/2021	07/28/2021
Normal Sample or Field Duplicate:		N	N	N	N	FD	N	N
Parameter	Units							
1,1,1-Trichloroethane (TCA)	UG/M3	18.2 U	5.46 U	2.73 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1,2,2-Tetrachloroethane	UG/M3	22.9 U	6.87 U	3.43 U	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	25.5 U	7.66 U	3.83 U	1.53 U	1.53 U	1.53 U	1.53 U
1,1,2-Trichloroethane	UG/M3	18.2 U	5.46 U	2.73 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	UG/M3	13.5 U	4.05 U	2.02 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	UG/M3	13.2 U	3.96 U	1.98 U	0.793 U	0.793 U	0.793 U	0.793 U
1,2,4-Trichlorobenzene	UG/M3	24.7 U	7.42 U	3.71 U	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	UG/M3	16.4 U	4.92 U	**3.53**	**3.49**	**3.62**	0.983 U	**3.32**
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	25.6 U	7.69 U	3.84 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	UG/M3	20 U	6.01 U	3.01 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	13.5 U	4.05 U	2.02 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	UG/M3	15.4 U	4.62 U	2.31 U	0.924 U	0.924 U	0.924 U	0.924 U
1,2-Dichlorotetrafluoroethane	UG/M3	23.3 U	6.99 U	3.49 U	1.4 U	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	16.4 U	4.92 U	2.46 U	0.983 U	**0.998**	0.983 U	0.983 U
1,3-Butadiene	UG/M3	7.37 U	2.21 U	1.11 U	0.442 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	UG/M3	20 U	6.01 U	3.01 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	UG/M3	20 U	6.01 U	3.01 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane (P-Dioxane)	UG/M3	12 U	3.6 U	1.8 U	0.721 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	UG/M3	15.6 U	4.67 U	**14.9**	0.934 U	0.934 U	**1.29**	**1.97**
2-Hexanone	UG/M3	**147**	**106**	**102**	**10.6**	**11.1**	**19.4**	**38.4**
4-Ethyltoluene	UG/M3	16.4 U	4.92 U	2.46 U	0.983 U	0.983 U	0.983 U	0.983 U
Acetone	UG/M3	**1070**	**378**	**1520**	**4.47**	2.38 U	**37.1**	**7.72**
Allyl Chloride (3-Chloropropene)	UG/M3	10.4 U	3.13 U	1.57 U	0.626 U	0.626 U	0.626 U	0.626 U
Benzene	UG/M3	10.6 U	3.19 U	1.6 U	**2.97**	**3.05**	**2.75**	**1.84**
Benzyl Chloride	UG/M3	17.2 U	5.18 U	2.59 U	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	UG/M3	22.3 U	6.7 U	3.35 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	UG/M3	34.4 U	10.3 U	5.17 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	UG/M3	12.9 U	3.88 U	1.94 U	0.777 U	0.777 U	0.777 U	0.777 U
Carbon Disulfide	UG/M3	10.4 U	3.11 U	**10.4**	**0.891**	**2.33**	**6.13**	**5.33**
Carbon Tetrachloride	UG/M3	20.9 U	6.29 U	3.15 U	1.26 U	1.26 U	1.26 U	1.26 U
Chlorobenzene	UG/M3	15.3 U	4.61 U	2.3 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	UG/M3	8.79 U	2.64 U	1.32 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	UG/M3	16.3 U	**5.27**	**4.08**	**3.6**	**3.58**	0.977 U	**12.6**

Table 14. Summary of Volatile Organic Compounds in Soil Vapor, 2-33 50th Avenue, Long Island City, New York

Sample Designation:		SV-11	SV-12	SV-15	SV-17	SV-17	SV-19	SV-21
Sample Date:		07/22/2021	07/22/2021	07/22/2021	07/28/2021	07/28/2021	07/28/2021	07/28/2021
Normal Sample or Field Duplicate:		N	N	N	N	FD	N	N
Parameter	Units							
Chloromethane	UG/M3	6.88 U	2.07 U	1.03 U	0.413 U	0.413 U	**0.419**	0.413 U
Cis-1,2-Dichloroethylene	UG/M3	13.2 U	3.96 U	**2.36**	0.793 U	0.793 U	0.793 U	0.793 U
Cis-1,3-Dichloropropene	UG/M3	15.1 U	4.54 U	2.27 U	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane	UG/M3	11.5 U	3.44 U	**22.1**	0.688 U	0.688 U	**3.48**	**2.04**
Dibromochloromethane	UG/M3	28.4 U	8.52 U	4.26 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	UG/M3	16.5 U	4.94 U	2.47 U	**1.98**	**1.94**	**2.32**	**2.14**
Ethanol	UG/M3	157 U	47.1 U	**40.3**	9.42 U	9.42 U	9.42 U	9.42 U
Ethyl Acetate	UG/M3	30.1 U	9.01 U	4.5 U	1.8 U	1.8 U	1.8 U	1.8 U
Ethylbenzene	UG/M3	14.5 U	4.34 U	2.17 U	**0.96**	**0.964**	0.869 U	**1.76**
Hexachlorobutadiene	UG/M3	35.5 U	10.7 U	5.33 U	2.13 U	2.13 U	2.13 U	2.13 U
Isopropanol	UG/M3	20.5 U	6.15 U	**13.7**	**4.55**	**3.05**	**21.3**	**1.63**
m,p-Xylene	UG/M3	29 U	8.69 U	4.34 U	**4.91**	**3.93**	**2.01**	**6.3**
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**2270**	**1110**	**342**	**16**	**14.8**	**178**	**82.3**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	34.2 U	10.2 U	5.12 U	2.05 U	2.05 U	2.05 U	2.05 U
Methylene Chloride	UG/M3	29 U	8.69 U	4.34 U	**3.75**	1.74 U	**12.8**	1.74 U
N-Heptane	UG/M3	13.6 U	4.1 U	**6.76**	**1.41**	**1.32**	**6.31**	**2.81**
N-Hexane	UG/M3	11.7 U	**4.02**	**5.5**	**0.821**	0.705 U	**15**	**1.95**
O-Xylene (1,2-Dimethylbenzene)	UG/M3	14.5 U	4.34 U	**2.27**	**2.01**	**1.79**	**0.886**	**2.9**
Styrene	UG/M3	14.2 U	4.26 U	2.13 U	0.852 U	0.852 U	**1.92**	0.852 U
Tert-Butyl Alcohol	UG/M3	25.3 U	**7.88**	**57**	1.52 U	1.52 U	**1.83**	1.52 U
Tert-Butyl Methyl Ether	UG/M3	12 U	3.61 U	1.8 U	0.721 U	0.721 U	**7.32**	0.721 U
Tetrachloroethylene (PCE)	UG/M3	**39.7**	6.78 U	**32.4**	**97.6**	**105**	1.36 U	**2.28**
Tetrahydrofuran	UG/M3	24.6 U	7.37 U	3.69 U	1.47 U	1.47 U	1.47 U	1.47 U
Toluene	UG/M3	12.5 U	3.77 U	**3.69**	**5.43**	**5.13**	**7.5**	**7.12**
Trans-1,2-Dichloroethene	UG/M3	13.2 U	3.96 U	1.98 U	0.793 U	0.793 U	0.793 U	0.793 U
Trans-1,3-Dichloropropene	UG/M3	15.1 U	4.54 U	2.27 U	0.908 U	0.908 U	0.908 U	0.908 U
Trichloroethylene (TCE)	UG/M3	17.9 U	5.37 U	**109**	**34.3**	**36.7**	1.07 U	1.07 U
Trichlorofluoromethane	UG/M3	18.7 U	5.62 U	2.81 U	**1.44**	**1.35**	**1.51**	**1.85**
Vinyl Bromide	UG/M3	14.6 U	4.37 U	2.19 U	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl Chloride	UG/M3	8.51 U	2.56 U	1.28 U	0.511 U	0.511 U	0.511 U	0.511 U

FIGURES

1. Site Location Map
2. Tax Map
3. Land Use Map and Surrounding Property Owners
4. Existing Site Plan with Sampling Locations
5. Groundwater Contour Map, August 6, 2021



QUADRANGLE LOCATION

SOURCE:
USGS; Brooklyn, NY (2013),
USGS; Central Park, NY-NJ (2013),
USGS; Weehawken, NJ-NY (2011),
USGS; Jersey City, NJ-NY (2011)
7.5 Minute Topographic Quadrangles

N

0 2000'

Title:

SITE LOCATION MAP

2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK

Prepared for:

50th & 5th LIC LLC

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: J.W.	Date: 10SEPT21	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	1
Project Mgr.: W.S.	Project No.: 2887.0004Y000	
File: 2887.0004Y114.04.CDR		

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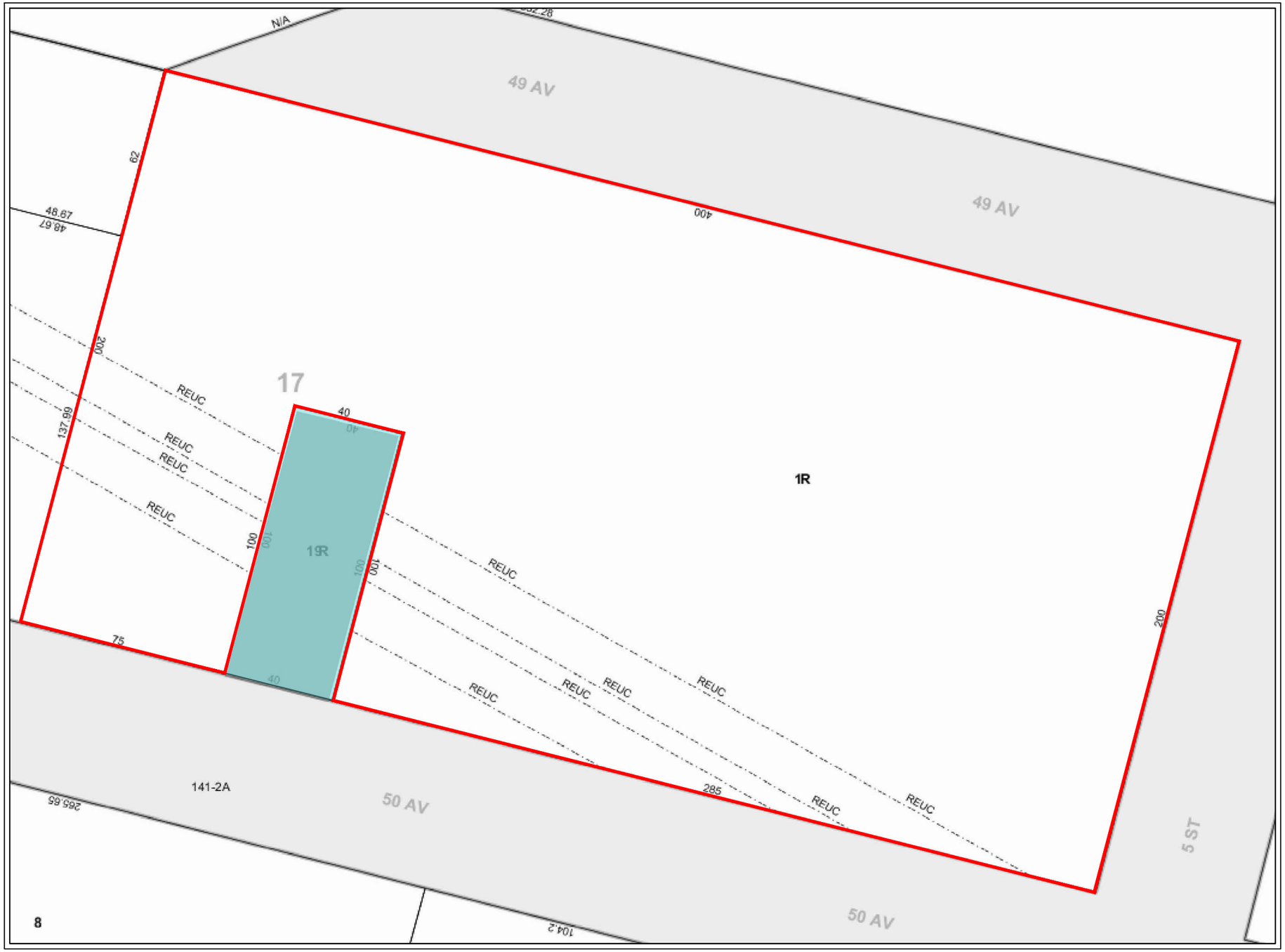

LEGEND

BCP SITE BOUNDARY

LOT NOT PART OF THE BCP SITE

N

Title:

TAX MAP

2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK

Prepared for:

50th & 5th LIC LLC

ROUX

Compiled by: J.W.	Date: 10SEPT21	FIGURE
Prepared by: G.M.	Scale: NOT TO SCALE	2
Project Mgr: W.S.	Project: 2887.0004Y000	
File: 2887.0004Y114.05.DWG		

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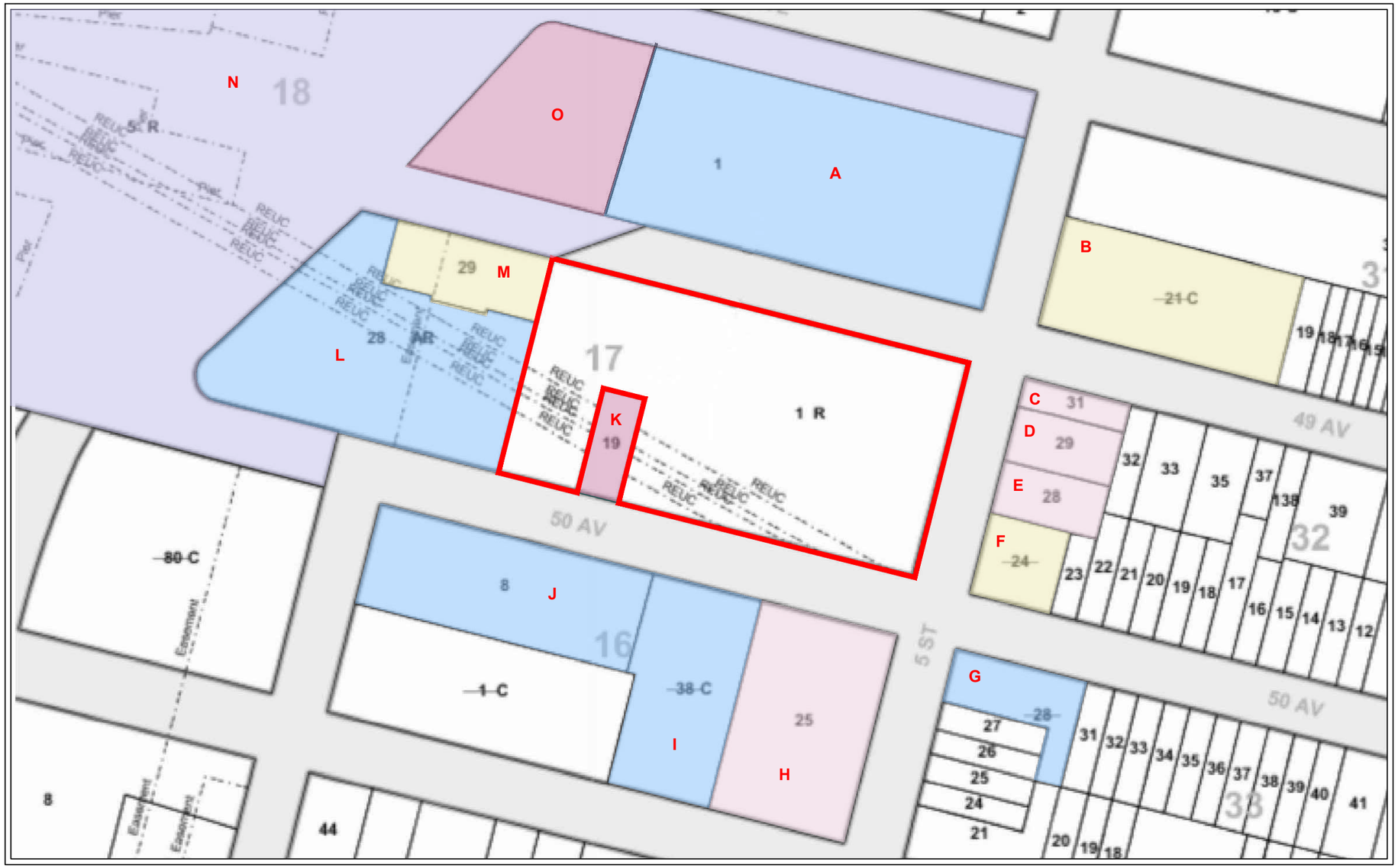

LEGEND

BCP SITE BOUNDARY

KEY

- PUBLIC FACILITIES AND INSTITUTIONS
- MIXED RESIDENTIAL AND COMMERCIAL BUILDING
- COMMERCIAL AND OFFICE BUILDING
- MULTI FAMILY BUILDING
- OPEN SPACE AND OUTDOOR RECREATION

N

A QUEENS WEST DEVELOPMENT CORPORATION
633 THIRD AVENUE, 36TH FLOOR,
NEW YORK, NY 10017

B THE 48-21 FIFTH STREET CONDO
48-21 5TH STREET
LONG ISLAND CITY, NY 11101

C STUDIO JA LLC
49-01 5TH STREET
LONG ISLAND CITY, NY 11101

D JOHN P. TITA
90 LAKE ROAD
PLANDOME MANOR, NY 11030

E PCI GREEN REALTY, LLC
5-46 46TH AVENUE
LONG ISLAND CITY, NY 11101

F THE GALAXY
5-03 50TH AVENUE
LONG ISLAND CITY, NY 11101

G PRESTIGE CONDOMINIUM
50-01 5TH STREET
LONG ISLAND CITY, NY 11101

H 5TH STREET REAL ESTATE COMPANY
50-02 5TH STREET
LONG ISLAND CITY, NY 11101

I THE POWERHOUSE YARD
226 50TH AVENUE
LONG ISLAND CITY, NY 11101

J 50-01 2ND STREET ASSOCIATES LLC
C/O THE LIGHTSTONE GROUP
1985 CEDAR BRIDGE AVENUE
LAKEWOOD, NJ 08701

K MTA NYC TRANSIT
2 BROADWAY
NEW YORK, NY 10004

L QUEENS WEST DEVELOPMENT CORPORATION
633 THIRD AVENUE, 36TH FLOOR
NEW YORK, NY 10017

M RIVERVIEW GARDENS HDFC, INC
C/O NEW YORK FOUNDATION FOR SENIOR CITIZENS
11 PARK PLACE, SUITE 1416
NEW YORK, NY 10007

N QUEENS WEST DEVELOPMENT CORPORATION
633 THIRD AVENUE, 36TH FLOOR
NEW YORK, NY 10017

O P.S. 78
470-07 30TH PLACE
LONG ISLAND CITY, NY 11101

Title:

SURROUNDING LAND USE

2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK

Prepared for:

50th & 5th LIC LLC

ROUX

Compiled by: J.W.	Date: 10SEPT21	FIGURE 3
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: W.S.	Project: 2887.0004Y000	
File: 2887.0004Y114.05.DWG		

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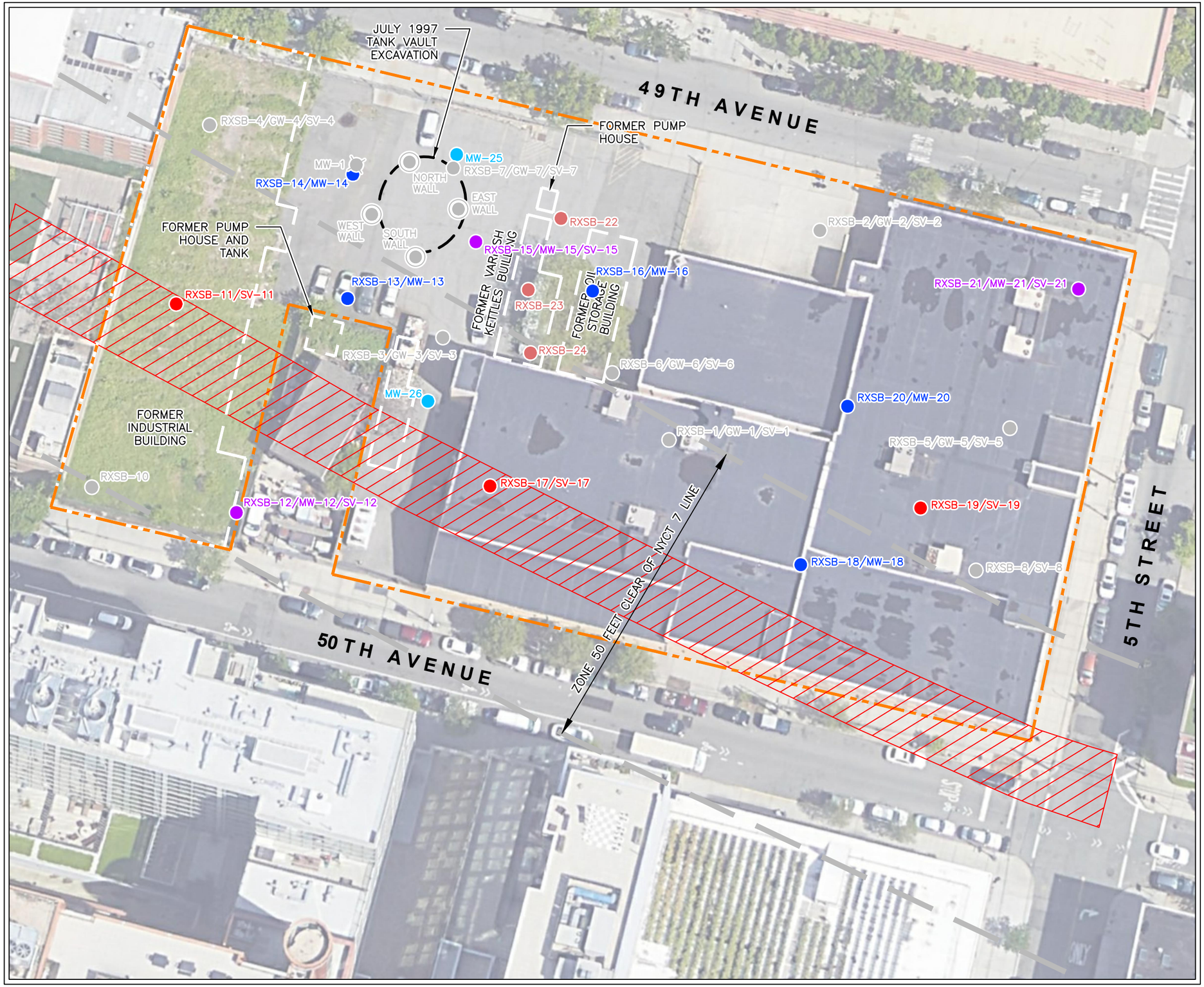

LEGEND

- SITE BOUNDARY
- RXSB-24 — SOIL BORING LOCATION AND DESIGNATION
- MW-26 — GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- RXSB-18/MW-18 — SOIL BORING AND GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- RXSB-11/SV-11 — SOIL BORING AND SOIL VAPOR LOCATION AND DESIGNATION
- RXSB-21/MW-21/SV-21 — SOIL BORING, GROUNDWATER MONITORING WELL AND SOIL VAPOR LOCATION AND DESIGNATION
- RXSB-5/GW-5/SV-5 — ROUX 2020 PHASE II SOIL BORING/TEMPORARY GROUNDWATER WELL/SOIL VAPOR POINT LOCATION AND DESIGNATION
- NORTH WALL — IMPACT 1997 CAP TANK VAULT EXCAVATION SIDEWALL SOIL ENDPOINT LOCATION AND DESIGNATION
- MW-1 — IMPACT 1997 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (DESTROYED)
- NYCT 7 SUBWAY LINE TUNNEL

N

40’ 0 40’

Title:

EXISTING SITE PLAN WITH SAMPLING LOCATIONS

2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK

Prepared for:

50th & 5th LIC LLC

ROUX

Compiled by: J.W.	Date: 10SEPT21	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	4
Project Mgr: W.S.	Project: 2887.0004Y000	
File: 2887.0004Y114.01.DWG		

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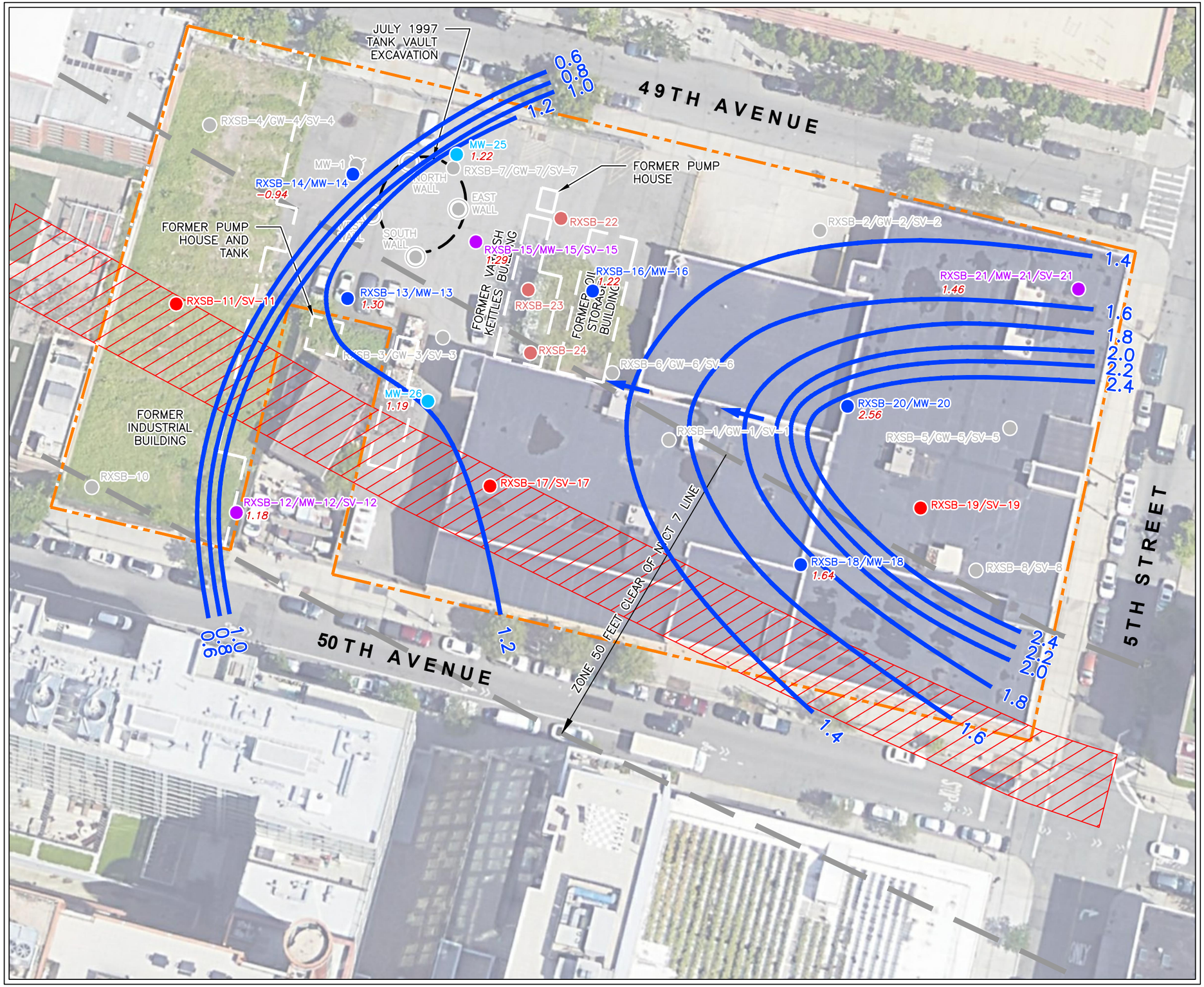

LEGEND

- SITE BOUNDARY
- RXSB-24 — SOIL BORING LOCATION AND DESIGNATION
- MW-26 — GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- RXSB-18/MW-18 — SOIL BORING AND GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- RXSB-11/SV-11 — SOIL BORING AND SOIL VAPOR LOCATION AND DESIGNATION
- RXSB-21/MW-21/SV-21 — SOIL BORING, GROUNDWATER MONITORING WELL AND SOIL VAPOR LOCATION AND DESIGNATION
- RXSB-5/GW-5/SV-5 — ROUX 2020 PHASE II SOIL BORING/TEMPORARY GROUNDWATER WELL/SOIL VAPOR POINT LOCATION AND DESIGNATION
- NORTH WALL — IMPACT 1997 CAP TANK VAULT EXCAVATION SIDEWALL SOIL ENDPOINT LOCATION AND DESIGNATION
- MW-1 — IMPACT 1997 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (DESTROYED)
- NYCT 7 SUBWAY LINE TUNNEL
- 1.18 — GROUNDWATER ELEVATION IN FEET (NAVD88)
- 1.2 — GROUNDWATER ELEVATION CONTOUR
- INFERRED GROUNDWATER FLOW DIRECTION

N

40’ 0 40’

Title:

GROUNDWATER CONTOURS AUGUST 6, 2021

2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK

Prepared for:

50th & 5th LIC LLC

ROUX

Compiled by: J.W.	Date: 10JUN21	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: W.S.	Project: 2887.0004Y000	5
File: 2887.0004Y114.03.DWG		

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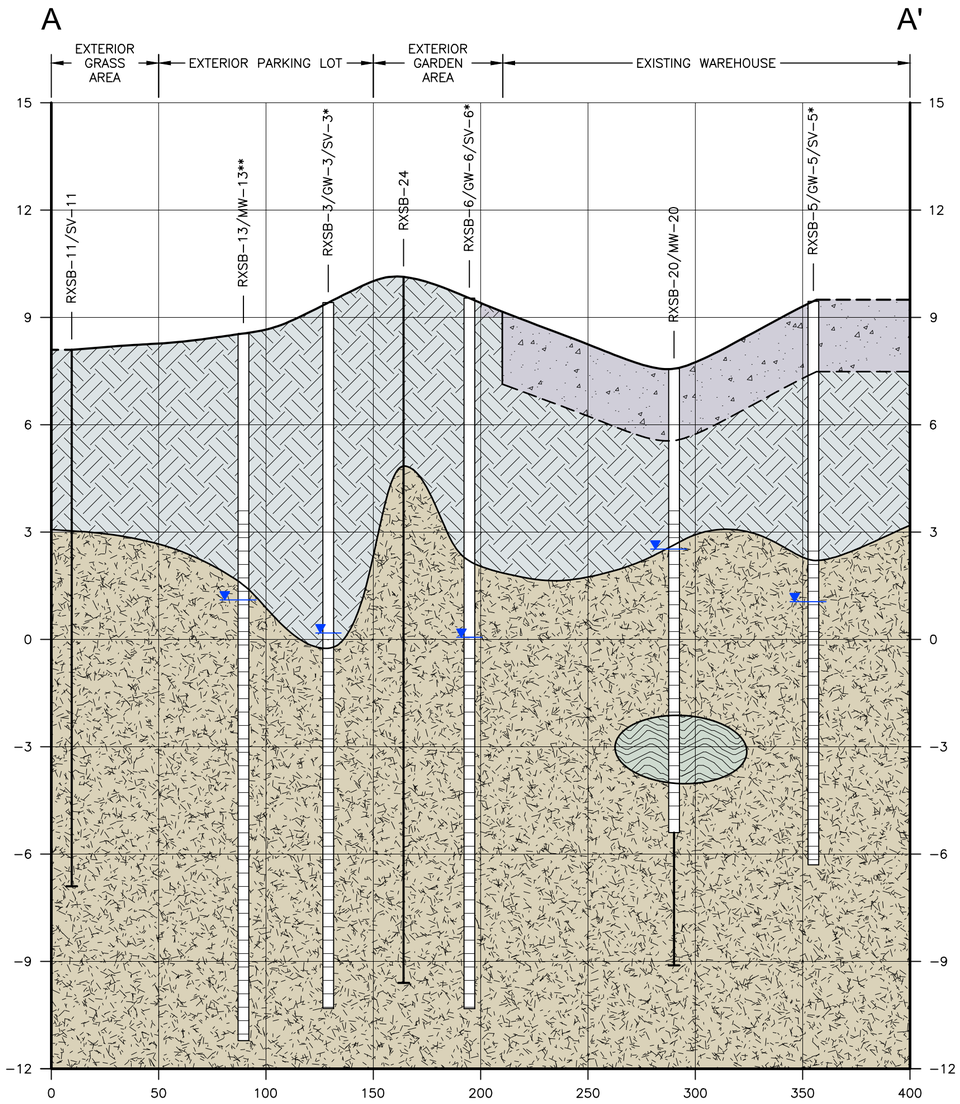
PLATES

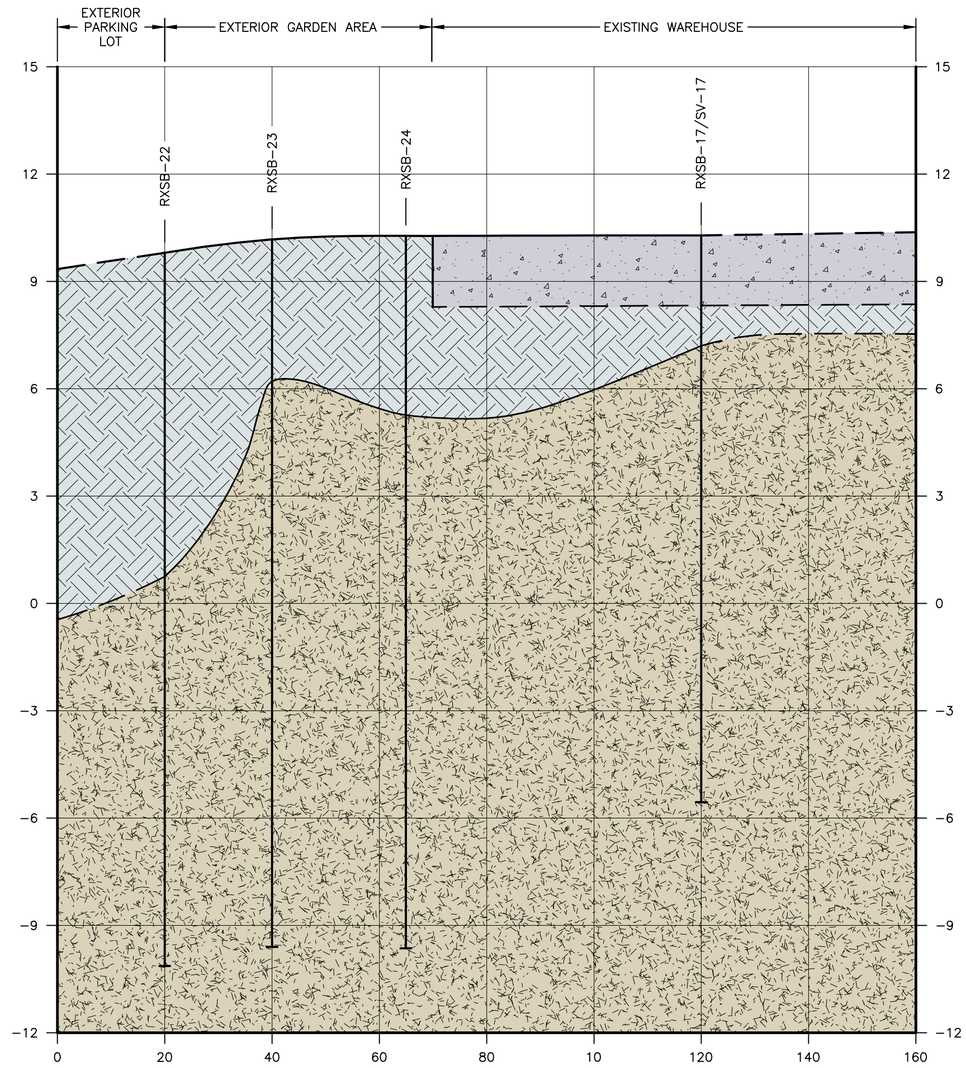
1. Hydrogeologic Cross Sections
2. Soil Sample Exceedances
3. Historical Soil Sample Exceedances
4. Groundwater Sample Exceedances
5. Historical Groundwater Sample Exceedances
6. Soil Vapor Sample Detections
7. Historical Soil Vapor Detections



CROSS SECTION A–A'

HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 3'

50' 0 50'



CROSS SECTION B–B'

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 3'

20' 0 20'

LEGEND

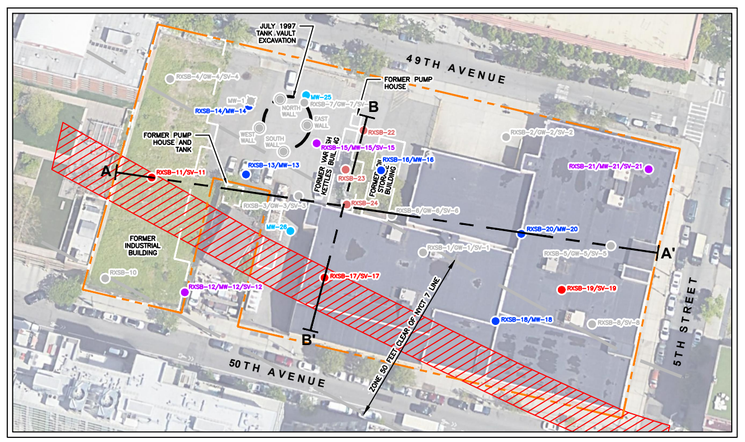
- WATER TABLE ELEVATION IN MONITORING WELL
- URBAN FILL PRIMARILY CONSISTING OF SAND, SILT, GRAVEL, BRICK, CONCRETE, GLASS AND WOOD
- SAND WITH VARYING AMOUNTS OF SILT AND CLAY
- PEAT
- CONCRETE WAREHOUSE SLAB

NOTES

* PHASE II SOIL BORINGS (RXSB–3/GW–3/SV–13, RXSB–5/GW–5/SV–5 AND RXSB–6/GW–6/SV–6) WERE NOT SURVEYED AND THEREFORE THEIR GROUND SURFACE ELEVATIONS ARE INFERRED BASED ON SURROUNDING REMEDIAL INVESTIGATION BORINGS

** PROJECTED LOCATIONS

1. NAVD88 – NORTH AMERICAN VERTICAL DATUM OF 1988
2. GROUNDWATER ELEVATIONS MEASURED ON AUGUST 6, 2021.
3. DASHED LINES INDICATE APPROXIMATE LITHOLOGIC BOUNDARIES.



SITE PLAN

SCALE: 1" = 80'

Title:

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

2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK

Prepared for:

50th & 5th LIC LLC

ROUX

Compiled by: W.S.	Date: 08AUG20	PLATE 1
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: W.S.	Project: 2887.0004Y000	
File: 2887.0004Y114.01.DWG		

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RXSB-14	07/12/2021	07/12/2021	07/12/2021
Depth (ft bls)	1 - 3	7 - 9	13 - 15
VOCs			
Acetone	ND	**0.054**	NE

RXSB-15	07/12/2021	07/12/2021	07/12/2021
Depth (ft bls)	1 - 3	7 - 9	13 - 15
SVOCs			
Benzo(A)Anthracene	**2.5**	NE	NE
Benzo(A)Pyrene	**9**	NE	NE
Benzo(B)Fluoranthene	**11**	NE	NE
Benzo(K)Fluoranthene	**4.4**	NE	NE
Chrysene	**2.6**	NE	NE
Dibenz(A,H)Anthracene	**2.5**	NE	NE
Indeno(1,2,3-C,D)Pyrene	**7.5**	NE	NE
Metals			
Cadmium	**2.62**	NE	NE
Chromium, Hexavalent	ND	ND	ND
Copper	**302**	NE	NE
Lead	**848**	NE	NE
Mercury	**0.834**	ND	ND
Zinc	**2040**	NE	NE

RXSB-22	07/19/2021	07/19/2021	07/19/2021
Depth (ft bls)	1 - 3	9 - 10	15 - 17
SVOCs			
Benzo(A)Anthracene	**1.4**	NE	NE
Benzo(A)Pyrene	**1.3**	ND	NE
Benzo(B)Fluoranthene	**1.8**	NE	NE
Chrysene	**1.3**	NE	NE
Indeno(1,2,3-C,D)Pyrene	**1**	ND	NE
Metals			
Barium	**496**	NE	NE
Copper	**96.4**	NE	NE
Lead	**1660**	NE	NE
Mercury	**0.673**	ND	ND
Zinc	**229**	NE	NE

RXSB-23	07/16/2021	07/16/2021	07/16/2021
Depth (ft bls)	1 - 3	7 - 9	13 - 15
SVOCs			
Benzo(A)Anthracene	**1.8**	ND	ND
Benzo(A)Pyrene	**1.7**	ND	ND
Benzo(B)Fluoranthene	**2.3**	ND	ND
Chrysene	**1.6**	ND	ND
Indeno(1,2,3-C,D)Pyrene	**1.3**	ND	ND
Metals			
Copper	**58.4**	NE	NE
Lead	**504**	NE	NE
Mercury	**0.278**	ND	ND

RXSB-13	07/12/2021	07/12/2021	07/19/2021
Depth (ft bls)	1 - 3	7 - 9	13 - 15
SVOCs			
Benzo(A)Anthracene	**16**	**17**	ND
Benzo(A)Pyrene	**18**	**14**	ND
Benzo(B)Fluoranthene	**21**	**19**	ND
Benzo(K)Fluoranthene	**6.9**	**6.7**	ND
Chrysene	**14**	**14**	ND
Dibenz(A,H)Anthracene	**3.3**	**2.7**	ND
Indeno(1,2,3-C,D)Pyrene	**10**	**8.8**	ND
Phenol	**0.34**	**0.97**	ND
Metals			
Copper	**70.2**	**187**	NE
Lead	**713**	**733**	NE
Mercury	**1.16**	**0.494**	ND
Zinc	**207**	**189**	NE
Pesticides			
Dieldrin	**0.059**	ND	ND

RXSB-16	07/14/2021	07/14/2021	07/14/2021	07/14/2021
Depth (ft bls)	1 - 3	1 - 3 DUP	7 - 9	13 - 15
VOCs				
Acetone	ND	ND	**0.061**	NE
SVOCs				
Benzo(A)Anthracene	**2.2 J**	**2.5 J**	ND	ND
Benzo(A)Pyrene	**1.9 J**	**2.1 J**	ND	ND
Benzo(B)Fluoranthene	**2.3 J**	**2.6 J**	ND	ND
Benzo(K)Fluoranthene	**0.89 J**	**0.94 J**	ND	ND
Chrysene	**2 J**	**2.2 J**	ND	ND
Dibenz(A,H)Anthracene	NE	**0.38 J**	ND	ND
Indeno(1,2,3-C,D)Pyrene	**1.2 J**	**1.4 J**	ND	ND
Metals				
Arsenic	**33.7**	**24**	NE	NE
Barium	**506**	**394**	NE	NE
Chromium, Total	**62.2**	**59.6**	NE	NE
Copper	**68.8**	**52**	NE	NE
Lead	**1320**	**1090**	NE	NE
Mercury	**3.73 J**	**1.19 J**	ND	ND
Zinc	**434**	**383**	NE	NE
Pesticides				
P,P'-DDE	**0.00967**	**0.00551**	ND	ND
P,P'-DDT	**0.0159**	**0.0114**	ND	ND

RXSB-11	07/14/2021	07/14/2021	07/14/2021
Depth (ft bls)	1 - 3	7 - 9	13 - 15
SVOCs			
Benzo(A)Anthracene	**62**	ND	NE
Benzo(A)Pyrene	**47**	ND	ND
Benzo(B)Fluoranthene	**63**	ND	ND
Benzo(K)Fluoranthene	**19**	ND	ND
Chrysene	**51**	ND	ND
Dibenz(A,H)Anthracene	**5.9**	ND	ND
Fluoranthene	**120**	ND	NE
Indeno(1,2,3-C,D)Pyrene	**30**	ND	ND
Metals			
Lead	**538**	NE	NE
Mercury	**4.55**	ND	ND
Zinc	**156**	NE	NE
Pesticides			
P,P'-DDT	**0.0118 J**	ND	ND

RXSB-21	07/22/2021	07/22/2021	07/22/2021
Depth (ft bls)	1 - 3	7 - 9	13 - 15
VOCs			
Acetone	ND	**0.077**	NE
SVOCs			
Benzo(A)Anthracene	**6.5**	**9.2**	NE
Benzo(A)Pyrene	**6.2**	**7.4**	NE
Benzo(B)Fluoranthene	**7.2**	**8.7**	NE
Benzo(K)Fluoranthene	**3.5**	**3.6**	NE
Chrysene	**6.2**	**8.5**	NE
Dibenz(A,H)Anthracene	**1.4**	**1.4**	NE
Indeno(1,2,3-C,D)Pyrene	**6.4**	**5.3**	NE
Metals			
Copper	**209**	**589**	NE
Lead	**235**	**344**	NE
Mercury	**0.454**	**1.87**	ND
Zinc	**298**	**400**	NE
Pesticides			
P,P'-DDD	**0.00491 J**	ND	NE

RXSB-12	07/14/2021	07/14/2021	07/14/2021	07/14/2021
Depth (ft bls)	1 - 3	1 - 3 DUP	7 - 9	13 - 15
SVOCs				
Benzo(A)Anthracene	**2.7 J**	**2.6**	NE	ND
Benzo(A)Pyrene	**2.4 J**	**2.2**	ND	ND
Benzo(B)Fluoranthene	**3 J**	**2.7**	NE	ND
Benzo(K)Fluoranthene	**1.1 J**	**0.88**	ND	ND
Chrysene	**2.5 J**	**2.4**	NE	ND
Indeno(1,2,3-C,D)Pyrene	**1.6**	**1.4**	ND	ND
Metals				
Lead	**125 J**	**97.3**	NE	NE
Mercury	**0.189**	**0.243**	ND	ND
Zinc	**448 J**	**159 J**	NE	NE
Pesticides				
P,P'-DDE	**0.0129 J**	**0.0154 J**	ND	ND

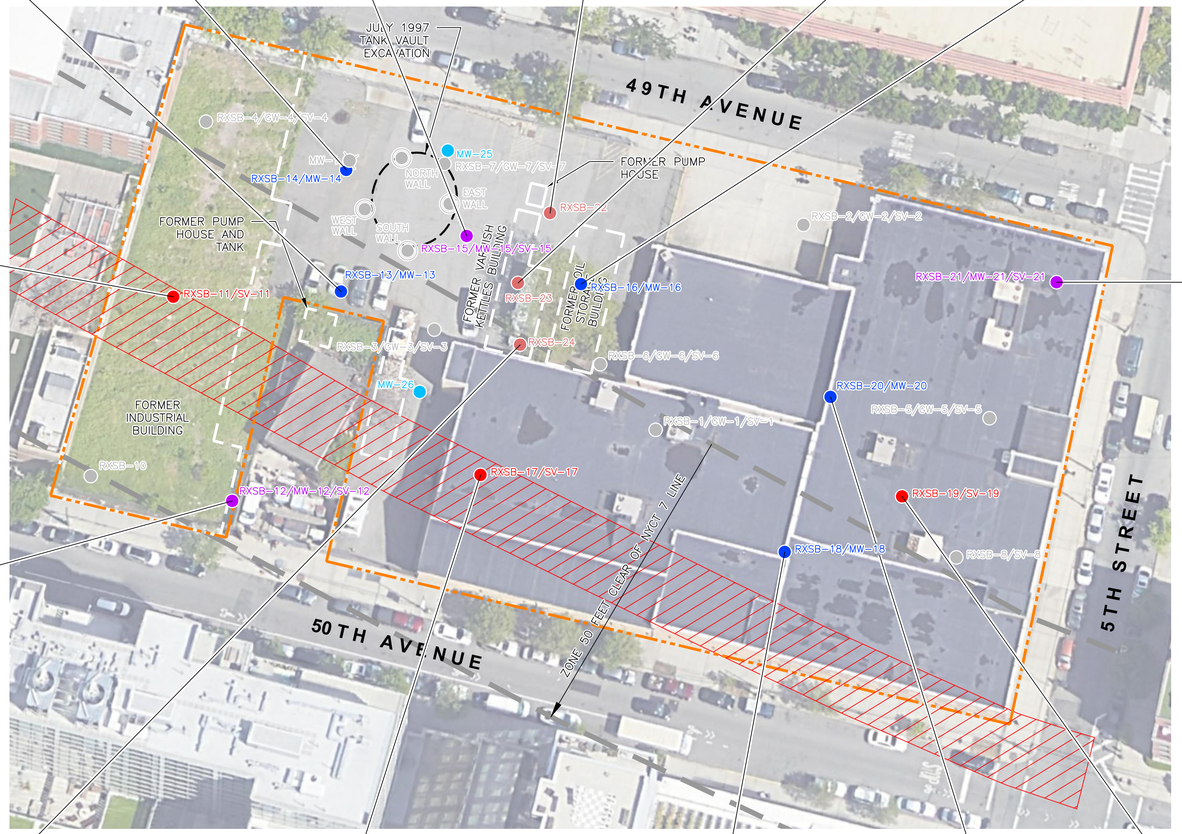
RXSB-24	07/16/2021	07/16/2021	07/16/2021
Depth (ft bls)	1 - 3	7 - 9	13 - 15
SVOCs			
Benzo(A)Anthracene	**3.7**	ND	ND
Benzo(A)Pyrene	**3.6**	ND	ND
Benzo(B)Fluoranthene	**4.5**	ND	ND
Benzo(K)Fluoranthene	**1.2**	ND	ND
Chrysene	**3.6**	ND	ND
Dibenz(A,H)Anthracene	**0.65**	ND	ND
Indeno(1,2,3-C,D)Pyrene	**2.6**	ND	ND
Metals			
Arsenic	**13.8**	NE	NE
Copper	**128**	NE	NE
Lead	**471**	NE	NE
Mercury	**2.01**	ND	ND
Zinc	**196**	NE	NE

RXSB-17	07/20/2021	07/21/2021	07/21/2021
Depth (ft bls)	1 - 3	7 - 9	13 - 15
SVOCs			
Benzo(A)Anthracene	**29**	NE	ND
Benzo(A)Pyrene	**29**	NE	ND
Benzo(B)Fluoranthene	**38**	NE	ND
Benzo(K)Fluoranthene	**13**	NE	ND
Chrysene	**29**	NE	ND
Dibenz(A,H)Anthracene	**4.6**	ND	ND
Indeno(1,2,3-C,D)Pyrene	**22**	NE	ND
Metals			
Arsenic	**29 J**	NE	NE
Barium	**1240**	NE	NE
Chromium, Hexavalent	**2.98 J**	ND	ND
Chromium, Total	**94.8 J**	NE	NE
Copper	**122**	NE	NE
Lead	**3560 J**	**65**	NE
Mercury	**60.5**	**0.836**	ND
Zinc	**1030 J**	NE	NE

RXSB-18	07/21/2021	07/21/2021	07/28/2021	07/28/2021
Depth (ft bls)	1 - 3	1 - 3 DUP	7 - 9	13 - 15
VOCs				
Acetone	**0.095 J**	**0.12 J**	NE	NE
SVOCs				
Benzo(A)Anthracene	**5.7**	**7**	NE	ND
Benzo(A)Pyrene	**5.2**	**5.3**	NE	ND
Benzo(B)Fluoranthene	**7.1**	**7.8**	NE	ND
Benzo(K)Fluoranthene	**2**	**1.8**	NE	ND
Chrysene	**5.3**	**5.8**	NE	ND
Dibenz(A,H)Anthracene	**0.77**	**0.88**	NE	ND
Indeno(1,2,3-C,D)Pyrene	**3.6**	**3.8**	NE	ND
Metals				
Barium	**376 J**	NE	NE	NE
Lead	**868 J**	**596**	**167**	NE
Mercury	**2.44**	**1.14**	**0.195**	ND
Zinc	**508 J**	**328**	**172**	NE

RXSB-20	07/27/2021	07/27/2021	07/27/2021
Depth (ft bls)	1 - 3	7 - 9	13 - 15
SVOCs			
Benzo(A)Anthracene	**4.8**	ND	ND
Benzo(A)Pyrene	**4.7**	ND	ND
Benzo(B)Fluoranthene	**6.6**	ND	ND
Benzo(K)Fluoranthene	**1.1**	ND	ND
Chrysene	**3.9**	ND	ND
Dibenz(A,H)Anthracene	**0.84**	ND	ND
Indeno(1,2,3-C,D)Pyrene	**3.8**	ND	ND
Metals			
Arsenic	**56.7**	NE	NE
Copper	**83.5**	NE	NE
Lead	**9350 J**	NE	NE
Mercury	**1.08 J**	ND	ND
Selenium	**4.53**	NE	NE
Silver	**19.5 J**	ND	NE
Zinc	**192 J**	NE	NE
PCBs			
Polychlorinated Biphenyl (PCBs)	ND	**0.112**	NE

RXSB-19	07/26/2021	07/27/2021	07/27/2021
Depth (ft bls)	1 - 3	7 - 9	13 - 15
SVOCs			
Benzo(A)Anthracene	**7.6**	NE	ND
Benzo(A)Pyrene	**8.2**	NE	ND
Benzo(B)Fluoranthene	**10**	NE	ND
Benzo(K)Fluoranthene	**3.2**	NE	ND
Chrysene	**6.8**	NE	ND
Dibenz(A,H)Anthracene	**1.6**	NE	ND
Indeno(1,2,3-C,D)Pyrene	**6.7**	NE	ND
Metals			
Arsenic	**23.4**	NE	NE
Copper	**118**	NE	NE
Lead	**856**	NE	NE
Mercury	**2.37**	ND	ND
Selenium	**6.41**	NE	NE
Silver	**2.42**	ND	ND
Zinc	**825**	NE	NE



Parameter	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	Units
VOCs				
Acetone	**0.05**	100	0.05	mg/kg
SVOCs				
Benzo(A)Anthracene	**1**	1	1	mg/kg
Benzo(A)Pyrene	**1**	1	22	mg/kg
Benzo(B)Fluoranthene	**1**	1	1.7	mg/kg
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	mg/kg
Chrysene	**1**	3.9	1	mg/kg
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	mg/kg
Fluoranthene	**100**	100	1000	mg/kg
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	mg/kg
Phenol	**0.33**	100	0.33	mg/kg
Metals				
Arsenic	**13**	16	16	mg/kg
Barium	**350**	400	820	mg/kg
Cadmium	**2.5**	4.3	7.5	mg/kg
Chromium, Hexavalent	**1**	110	19	mg/kg
Chromium, Total	**30**	180	--	mg/kg
Copper	**50**	270	1720	mg/kg
Lead	**63**	400	450	mg/kg
Mercury	**0.18**	0.81	0.73	mg/kg
Selenium	**3.9**	180	4	mg/kg
Silver	**2**	180	8.3	mg/kg
Zinc	**109**	10000	2480	mg/kg
PCBs				
Polychlorinated Biphenyl (PCBs)	**0.1**	1	3.2	mg/kg
Pesticides				
Dieldrin	**0.005**	0.2	0.1	mg/kg
P,P'-DDD	**0.0033**	13	14	mg/kg
P,P'-DDE	**0.0033**	8.9	17	mg/kg
P,P'-DDT	**0.0033**	7.9	136	mg/kg
PFAS				
Perfluorooctanesulfonic acid (PFOS)	**0.88***	44*	3.7*	ng/g
Perfluorooctanoic acid (PFOA)	**0.66***	33*	1.1*	ng/g

LEGEND

- SITE BOUNDARY
- RXSB-24 — SOIL BORING LOCATION AND DESIGNATION
- MW-26 — GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- RXSB-18/MW-18 — SOIL BORING AND GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- RXSB-11/SV-11 — SOIL BORING AND SOIL VAPOR LOCATION AND DESIGNATION
- RXSB-21/MW-21/SV-21 — SOIL BORING, GROUNDWATER MONITORING WELL AND SOIL VAPOR LOCATION AND DESIGNATION
- RXSB-5/GW-5/SV-5 — ROUX 2020 PHASE II SOIL BORING/TEMPORARY GROUNDWATER WELL/SOIL VAPOR POINT LOCATION AND DESIGNATION
- NORTH WALL — IMPACT 1997 CAP TANK VAULT EXCAVATION SIDEWALL SOIL ENDPOINT LOCATION AND DESIGNATION
- MW-1 — IMPACT 1997 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (DESTROYED)
- NYCT 7 SUBWAY LINE TUNNEL

mg/kg – MILLIGRAMS PER KILOGRAM
ng/g – NANOGRAMS PER GRAM
NYSDEC – NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
– – NO NYSDEC PART 375 SOIL CLEANUP OBJECTIVES AVAILABLE
* – GUIDANCE VALUE

J – ESTIMATED VALUE
DUP – DUPLICATE SAMPLE
VOCS – VOLATILE ORGANIC COMPOUNDS
SVOCS – SEMIVOLATILE ORGANIC COMPOUNDS
PCBS – POLYCHLORINATED BIPHENYLS
PFAS – PER-AND POLYFLUOROALKYL SUBSTANCES
NE – NO EXCEEDANCE
ND – NO DETECTION
FT BLS – FEET BELOW LAND SURFACE

BOLD DATA INDICATES THAT PARAMETER WAS DETEECTED ABOVE THE NYSDEC PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVE OR GUIDANCE VALUE

SHADED DATA INDICATES THAT PARAMETER WAS DETECTED ABOVE THE NYSDEC PART 375 RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVE OR GUIDANCE VALUE

RED DATA INDICATES THAT PARAMETER WAS DETECTED ABOVE THE NYSDEC PART 375 PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVE OR GUIDANCE VALUE

30' 0 30'

N

Title:

SOIL SAMPLE EXCEEDANCES

2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK

Prepared for:

50TH & 5TH LIC LLC

ROUX

Compiled by: J.W.	Date: 09SEPT21	PLATE
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: J.W.	Project: 2887.0004Y000	2
File: 2887.0004Y114.02.DWG		

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RXSB-3	7/21/20	7/21/20
Depth (ft bls)	8 - 10	12 - 14
VOCs		
n-Butylbenzene	ND	**15**
n-Propylbenzene	ND	**5.5**
sec-Butylbenzene	ND	**17**

RXSB-7	7/22/20	7/22/20
Depth (ft bls)	4 - 6	11 - 13
Metals		
Lead	**68.2**	NE
Zinc	**116**	NE

RXSB-9	NE

RXSB-6	7/22/20	7/22/20
Depth (ft bls)	0.6 - 2	7 - 9
Metals		
Copper	**142**	**NE**
Lead	**165**	**NE**
Mercury	**1.1**	**NE**
Zinc	**222**	**NE**
Pesticides and Herbicides		
4,4'-DDT	**0.014**	**ND**

RXSB-2	7/21/20	7/21/20
Depth (ft bls)	3 - 5	13 - 15
VOCs		
Acetone	**0.064**	NE
SVOCs		
Benzo[a]anthracene	**3**	ND
Benzo[a]pyrene	**3.8**	ND
Benzo[b]fluoranthene	**4.3**	ND
Benzo[k]fluoranthene	**1.9**	ND
Chrysene	**3**	ND
Dibenzo[a,h]anthracene	**0.67**	ND
Indeno[1,2,3-cd]pyrene	**2.3**	ND
Metals		
Copper	**65.6**	NE
Lead	**66.7**	NE
Mercury	**1**	ND
Pesticides and Herbicides		
4,4'-DDT	**0.0084**	ND

RXSB-4	7/22/20	7/21/20	7/21/20	7/21/20
Depth (ft bls)	0 - 2	8 - 10	13 - 15	13 - 15 DUP
SVOCs				
Acenaphthene	**22**	ND	ND	ND
Benzo[a]anthracene	**100**	NE	NE	NE
Benzo[a]pyrene	**98**	NE	NE	NE
Benzo[b]fluoranthene	**120**	NE	NE	NE
Benzo[k]fluoranthene	**50**	NE	NE	NE
Chrysene	**95**	NE	NE	NE
Dibenzo[a,h]anthracene	**9.7**	ND	ND	NE
Dibenzofuran	**13 J**	NE	ND	ND
Fluoranthene	**220**	NE	NE	NE
Indeno[1,2,3-cd]pyrene	**44**	NE	NE	NE
Naphthalene	**15 BJ**	NE	ND	NE
Phenanthrene	**180**	NE	NE	NE
Pyrene	**180**	NE	NE	NE
Metals				
Lead	**302**	NE	NE	NE
Mercury	**1.3**	ND	ND	NE
Zinc	**369**	NE	NE	NE

RXSB-5	7/20/20	7/20/20
Depth (ft bls)	0.9 - 4	4 - 8
SVOCs		
Benzo[a]anthracene	**4.9**	NE
Benzo[a]pyrene	**5.3**	NE
Benzo[b]fluoranthene	**6.5**	**1.1**
Benzo[k]fluoranthene	**2.8**	NE
Chrysene	**4.3**	NE
Dibenzo[a,h]anthracene	**0.93**	NE
Indeno[1,2,3-cd]pyrene	**3.5**	**0.64**
Metals		
Chromium, Trivalent	NE	**37.9**
Chromium	NE	**37.9**
Copper	**54**	NE
Lead	**555**	**133**
Mercury	**0.56**	NE
Silver	**2.1**	**5.8**
Zinc	**337**	NE

RXSB-8	7/20/20	7/20/20
Depth (ft bls)	2 - 5	5 - 11
SVOCs		
Benzo[a]anthracene	**1.1**	NE
Benzo[a]pyrene	**1.1**	NE
Benzo[b]fluoranthene	**1.3**	NE
Chrysene	**1.1 J**	NE
Indeno[1,2,3-cd]pyrene	**0.73**	NE
Metals		
Chromium, Hexavalent	**1.1 J**	ND
Chromium, Trivalent	**120**	NE
Chromium	**121**	NE
Lead	**207**	NE
Mercury	**7**	**0.74**
Zinc	**1560**	NE

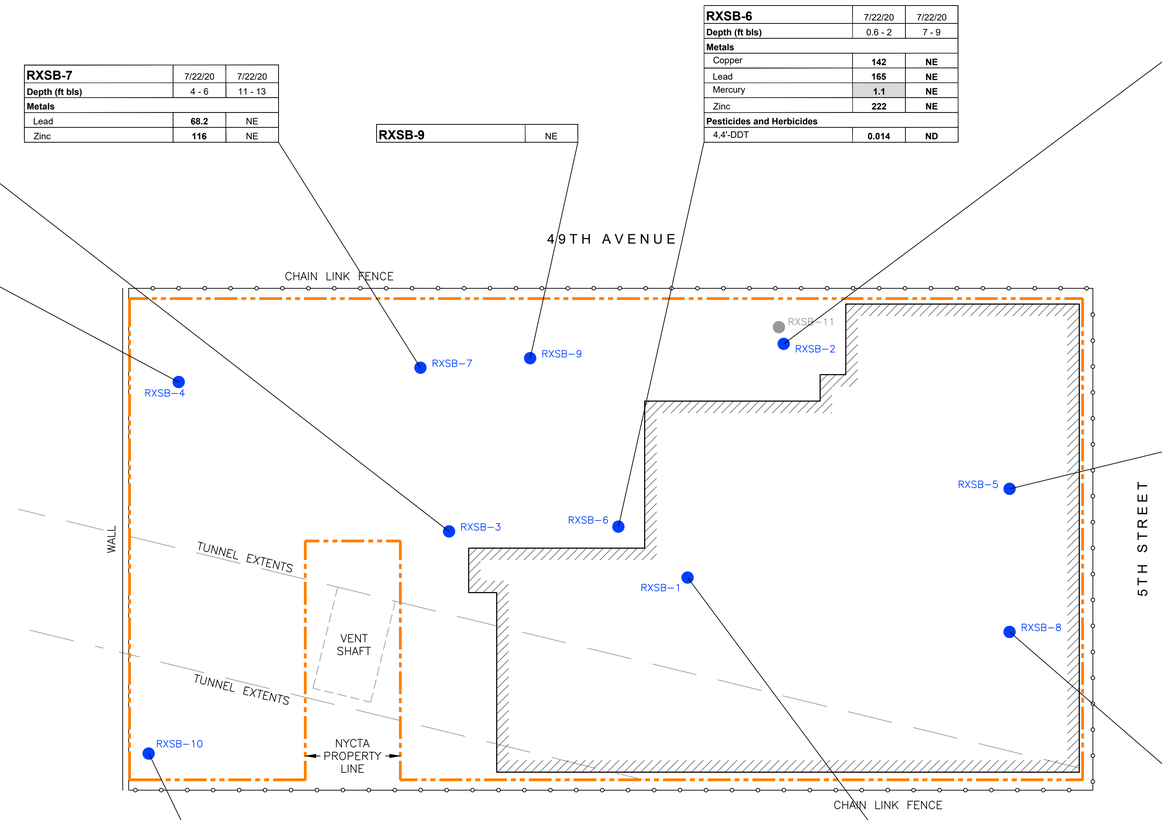
RXSB-10	7/22/20	7/22/20
Depth (ft bls)	0 - 2	8 - 10
SVOCs		
Benzo[a]anthracene	**14**	**3.9**
Benzo[a]pyrene	**14**	**3.1**
Benzo[b]fluoranthene	**16**	**3.3**
Benzo[k]fluoranthene	**6.2**	**1.3**
Chrysene	**13**	**3.5**
Dibenzo[a,h]anthracene	**1.5**	**0.48**
Indeno[1,2,3-cd]pyrene	**7**	**1.3**
Metals		
Chromium, Trivalent	**30.4**	NE
Chromium	**30.8**	NE
Copper	**91**	NE
Lead	**549**	NE
Mercury	**1**	**1.5**
Nickel	**33.3**	NE
Zinc	**158**	NE

RXSB-1	7/20/20	7/20/20
Depth (ft bls)	0.7 - 2	4 - 8
SVOCs		
3&4-Methylphenol	**0.45 J**	ND
Benzo[a]anthracene	**7.2**	NE
Benzo[a]pyrene	**6.4**	NE
Benzo[b]fluoranthene	**8**	NE
Benzo[k]fluoranthene	**2.9**	NE
Chrysene	**6.9**	NE
Dibenzo[a,h]anthracene	**0.79**	NE
Indeno[1,2,3-cd]pyrene	**3.8**	NE
Metals		
Arsenic	NE	**18.8**
Copper	**113**	**139**
Lead	**323**	**4320**
Mercury	**27.6**	NE
Zinc	**372**	**264**

Parameter	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives	NYSDEC Part 375 Commercial Soil Cleanup Objectives
VOCs			
Acetone	**0.05**	100	500
n-Butylbenzene	**12**	100	500
n-Propylbenzene	**3.9**	100	500
sec-Butylbenzene	**11**	100	500
SVOCs			
3&4-Methylphenol	**0.33**	100	500
Acenaphthene	**20**	100	500
Anthracene	**100**	100	500
Benzo[a]anthracene	**1**	1	5.6
Benzo[a]pyrene	**1**	1	1
Benzo[b]fluoranthene	**1**	1	5.6
Benzo[k]fluoranthene	**0.8**	3.9	56
Chrysene	**1**	3.9	56
Dibenzo[a,h]anthracene	**0.33**	0.33	0.56
Dibenzofuran	**7**	59	350
Fluoranthene	**100**	100	500
Indeno[1,2,3-cd]pyrene	**0.5**	0.5	5.6
Naphthalene	**12**	100	500
Phenanthrene	**100**	100	500
Pyrene	**100**	100	500
Metals			
Arsenic	**13**	16	16
Chromium, Hexavalent	**1**	110	400
Chromium, Trivalent	**30**	180	1500
Chromium	**30**	180	1500
Copper	**50**	270	270
Lead	**63**	400	1000
Mercury	**0.18**	0.81	2.8
Nickel	**30**	310	310
Silver	**2**	180	1500
Zinc	**109**	10000	10000
Pesticides and Herbicides			
4,4'-DDT	**0.0033**	7.9	47

CONCENTRATIONS IN mg/kg

mg/kg – MILLIGRAMS PER KILOGRAM
NYSDEC – NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
J – ESTIMATED VALUE
B – THE ANALYTE WAS FOUND IN AN ASSOCIATED BLANK AS WELL AS IN THE SAMPLE
DUP – DUPLICATE SAMPLE
VOCs – VOLATILE ORGANIC COMPOUNDS
SVOCs – SEMIVOLATILE ORGANIC COMPOUNDS
PCBs – POLYCHLORINATED BIPHENYLS
NE – NO EXCEEDANCE
ND – NO DETECTION
ft bls – FEET BELOW LAND SURFACE



LEGEND
- SITE BOUNDARY
- SUBWAY TUNNEL BOUNDARY
- BUILDING
- RXSB-7 — SOIL BORING LOCATION AND DESIGNATION
- RXSB-11 — SOIL BORING LOCATION AND DESIGNATION OMITTED FROM SAMPLING PLAN (DUE TO PROXIMITY OF RXSB-2)

N

30' 0 30'

Title:
HISTORICAL SOIL SAMPLE EXCEEDANCES

2-33 50TH AVENUE, LONG ISLAND CUTY, NEW YORK

Prepared for:
50TH & 5TH LIC LLC

ROUX

Compiled by: W.S.	Date: 10SEPT21	PLATE
Prepared by: G.M.	Scale: AS SHOWN	3
Project Mgr: W.S.	Project: 2887.0004Y000	
File: 2887.0004Y114.06.DWG		

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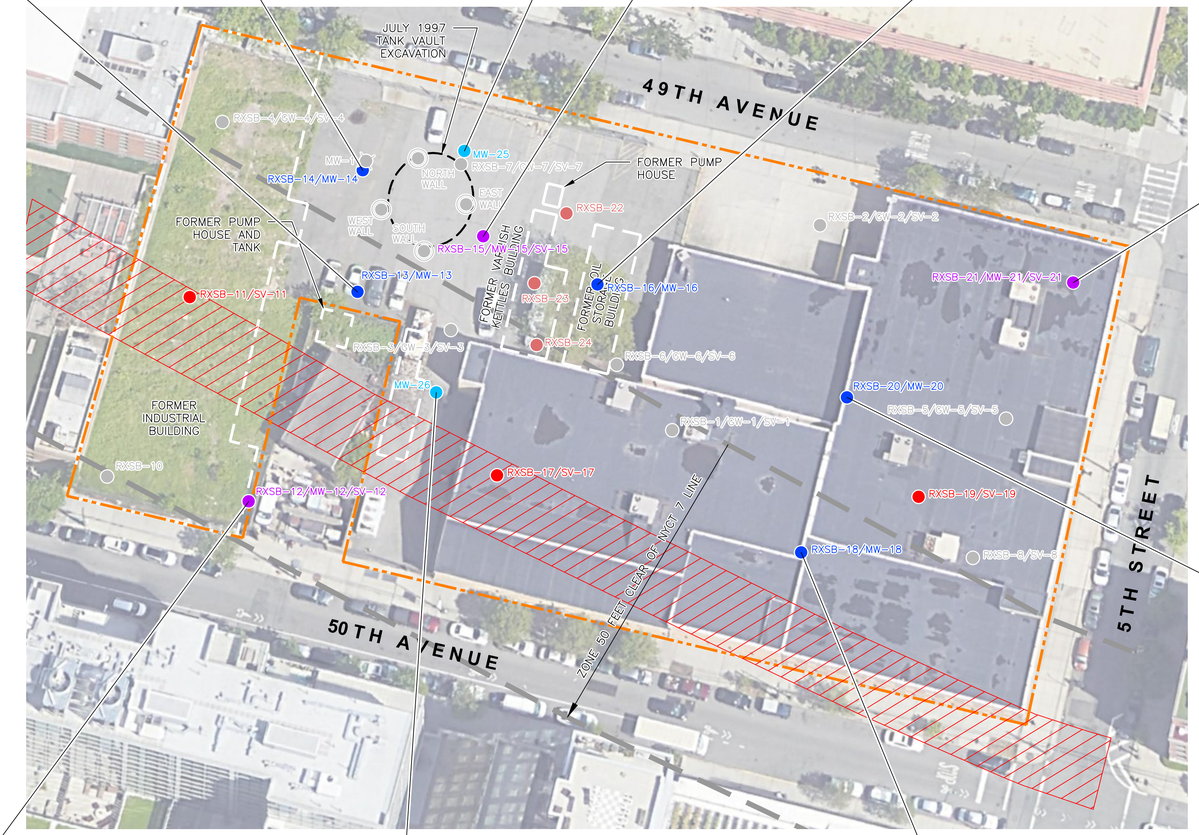
MW-25	08/06/2021
VOCs	
1,2,4,5-Tetramethylbenzene	**34**
Isopropylbenzene (Cumene)	**16**
N-Butylbenzene	**7.1**
N-Propylbenzene	**23**
Sec-Butylbenzene	**15**
T-Butylbenzene	**5.4**
SVOCs	
Benzo(A)Anthracene	**0.21**
Benzo(A)Pyrene	**0.06 J**
Benzo(B)Fluoranthene	**0.1**
Benzo(K)Fluoranthene	**0.04 J**
Chrysene	**0.17**
Indeno(1,2,3-C,D)Pyrene	**0.04 J**
Metals, Total	
Arsenic	**28.15**
Iron	**22900**
Manganese	**1033**
Sodium	**172000**
Metals, Dissolved	
Manganese	**920.7**
Sodium	**193000**
PFAS	
Perfluorooctanoic acid (PFOA)	**121**

MW-15	08/06/2021
VOCs	
1,2,4,5-Tetramethylbenzene	**41**
Isopropylbenzene (Cumene)	**24**
N-Butylbenzene	**11**
N-Propylbenzene	**13**
Sec-Butylbenzene	**33**
T-Butylbenzene	**8.8**
SVOCs	
Benzo(A)Anthracene	**0.15**
Benzo(A)Pyrene	**0.06 J**
Benzo(B)Fluoranthene	**0.07 J**
Benzo(K)Fluoranthene	**0.03 J**
Chrysene	**0.12**
Indeno(1,2,3-C,D)Pyrene	**0.03 J**
Metals, Total	
Iron	**20600**
Magnesium	**41800**
Manganese	**16930**
Sodium	**77700**
Metals, Dissolved	
Iron	**3010**
Manganese	**16580**
Sodium	**79900**
PFAS	
Perfluorooctanesulfonic acid (PFOS)	**12.1**
Perfluorooctanoic acid (PFOA)	**40**

MW-14	08/06/2021
SVOCs	
Benzo(A)Anthracene	**0.04 J**
Chrysene	**0.03 J**
Metals, Total	
Iron	**11600**
Manganese	**1400**
Sodium	**22600**
Metals, Dissolved	
Manganese	**1208**
Sodium	**23300**
PFAS	
Perfluorooctanesulfonic acid (PFOS)	**15.4**
Perfluorooctanoic acid (PFOA)	**26.6**

MW-16	08/06/2021
VOCs	
Cymene	**180**
Xylenes	**6.1 J**
SVOCs	
Phenol	**1.9 J**
Metals, Total	
Iron	**1820**
Magnesium	**49800**
Manganese	**2228**
Sodium	**74900**
Metals, Dissolved	
Magnesium	**40100**
Manganese	**1843**
Sodium	**74200**
PFAS	
Perfluorooctanoic acid (PFOA)	**55**

MW-13	08/06/2021
SVOCs	
Benzo(A)Anthracene	**0.04 J**
Benzo(A)Pyrene	**0.03 J**
Benzo(B)Fluoranthene	**0.04 J**
Benzo(K)Fluoranthene	**0.01 J**
Chrysene	**0.04 J**
Indeno(1,2,3-C,D)Pyrene	**0.03 J**
Metals, Total	
Iron	**27800**
Magnesium	**43800**
Manganese	**1952**
Sodium	**119000**
Metals, Dissolved	
Iron	**621**
Magnesium	**36300**
Manganese	**1587**
Sodium	**121000**
PFAS	
Perfluorooctanesulfonic acid (PFOS)	**14.7 J**
Perfluorooctanoic acid (PFOA)	**63.6**



MW-21	08/06/2021
SVOCs	
Benzo(A)Anthracene	**0.85**
Benzo(A)Pyrene	**0.86**
Benzo(B)Fluoranthene	**1.1**
Benzo(K)Fluoranthene	**0.32**
Chrysene	**0.75**
Indeno(1,2,3-C,D)Pyrene	**0.62**
Metals, Total	
Iron	**54900**
Lead	**97.37**
Magnesium	**66700**
Manganese	**2533**
Sodium	**214000**
Metals, Dissolved	
Magnesium	**58400**
Manganese	**1895**
Sodium	**228000**
PFAS	
Perfluorooctanoic acid (PFOA)	**42**

MW-20	08/06/2021
VOCs	
Tert-Butyl Methyl Ether	**20**
SVOCs	
Benzo(A)Anthracene	**0.05 J**
Benzo(A)Pyrene	**0.03 J**
Benzo(B)Fluoranthene	**0.04 J**
Benzo(K)Fluoranthene	**0.01 J**
Chrysene	**0.02 J**
Indeno(1,2,3-C,D)Pyrene	**0.02 J**
Metals, Total	
Iron	**4480**
Manganese	**1036**
Sodium	**57800**
Metals, Dissolved	
Manganese	**1634**
Sodium	**95400**
PFAS	
Perfluorooctanesulfonic acid (PFOS)	**14.4**
Perfluorooctanoic acid (PFOA)	**16.9**

MW-12	08/06/2021	08/06/2021 DUP
SVOCs		
Benzo(A)Anthracene	**0.04 J**	**0.03 J**
Benzo(A)Pyrene	**0.03 J**	**0.02 J**
Benzo(B)Fluoranthene	**0.04 J**	**0.03 J**
Benzo(K)Fluoranthene	**0.02 J**	**0.01 J**
Chrysene	**0.03 J**	**0.02 J**
Indeno(1,2,3-C,D)Pyrene	**0.03 J**	**0.02 J**
Metals, Total		
Cyanide	**273 J**	**3 42 J**
Iron	**446**	**559**
Manganese	**650.8**	**671.8**
Sodium	**58100**	**57400**
Metals, Dissolved		
Manganese	**628**	**621.8**
Sodium	**59800**	**59900**
PFAS		
Perfluorooctanoic acid (PFOA)	**21.4**	**21.5**

MW-26	08/06/2021
Metals, Total	
Arsenic	**31.74**
Iron	**7710**
Manganese	**1419**
Sodium	**125000**
Metals, Dissolved	
Manganese	**1275**
Sodium	**144000**
PFAS	
Perfluorooctanesulfonic acid (PFOS)	**28.2**
Perfluorooctanoic acid (PFOA)	**105**

MW-18	08/09/2021
Metals, Total	
Iron	**16500**
Magnesium	**46200**
Manganese	**4530**
Sodium	**209000**
Metals, Dissolved	
Iron	**937**
Magnesium	**47300**
Manganese	**4561**
Sodium	**216000**
PFAS	
Perfluorooctanesulfonic acid (PFOS)	**13.3**
Perfluorooctanoic acid (PFOA)	**26.9**

LEGEND

- SITE BOUNDARY
- RXSB-24 — SOIL BORING LOCATION AND DESIGNATION
- MW-26 — GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- RXSB-18/MW-18 — SOIL BORING AND GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- RXSB-11/SV-11 — SOIL BORING AND SOIL VAPOR LOCATION AND DESIGNATION
- RXSB-21/MW-21/SV-21 — SOIL BORING, GROUNDWATER MONITORING WELL AND SOIL VAPOR LOCATION AND DESIGNATION
- RXSB-5/GW-5/SV-5 — ROUX 2020 PHASE II SOIL BORING/TEMPORARY GROUNDWATER WELL/SOIL VAPOR POINT LOCATION AND DESIGNATION
- NORTH WALL — IMPACT 1997 CAP TANK VAULT EXCAVATION SIDEWALL SOIL ENDPOINT LOCATION AND DESIGNATION
- MW-1 — IMPACT 1997 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (DESTROYED)
- NYCT 7 SUBWAY LINE TUNNEL

Parameter	NYSDEC AWQSGV	Units
VOCs		
1,2,4,5-Tetramethylbenzene	**5**	µg/L
Cymene	**5**	µg/L
Isopropylbenzene (Cumene)	**5**	µg/L
N-Butylbenzene	**5**	µg/L
N-Propylbenzene	**5**	µg/L
Sec-Butylbenzene	**5**	µg/L
T-Butylbenzene	**5**	µg/L
Tert-Butyl Methyl Ether	**10**	µg/L
Xylenes	**5**	µg/L
SVOCs		
Benzo(A)Anthracene	**0.002**	µg/L
Benzo(A)Pyrene	**0**	µg/L
Benzo(B)Fluoranthene	**0.002**	µg/L
Benzo(K)Fluoranthene	**0.002**	µg/L
Chrysene	**0.002**	µg/L
Indeno(1,2,3-C,D)Pyrene	**0.002**	µg/L
Phenol	**1**	µg/L
Metals, Total		
Arsenic	**25**	µg/L
Cyanide	**200**	µg/L
Iron	**300**	µg/L
Lead	**25**	µg/L
Magnesium	**35000**	µg/L
Manganese	**300**	µg/L
Sodium	**20000**	µg/L
Metals, Dissolved		
Arsenic	**25**	µg/L
Cyanide	**200**	µg/L
Iron	**300**	µg/L
Lead	**25**	µg/L
Magnesium	**35000**	µg/L
Manganese	**300**	µg/L
Sodium	**20000**	µg/L
PCBs	ND	µg/L
Pesticides	ND	µg/L
PFAS		
Perfluorooctanesulfonic acid (PFOS)	**10***	ng/L
Perfluorooctanoic acid (PFOA)	**10***	ng/L

ug/L – MICROGRAMS PER LITER
ng/L – NANOGRAMS PER LITER
NYSDEC – NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AWQSGVs – AMBIENT WATER–QUALITY STANDARD AND GUIDANCE VALUES
* – MAXIMUM CONTAMINANT LEVEL (MCL)
J – ESTIMATED VALUE
DUP – DUPLICATE SAMPLE
VOCS – VOLATILE ORGANIC COMPOUNDS
SVOCS – SEMIVOLATILE ORGANIC COMPOUNDS
PCBS – POLYCHLORINATED BIPHENYLS
PFAS – PER–AND POLYFLUOROALKYL SUBSTANCES
ND – NO DETECTION

30' 0 30'

N

Title:
GROUNDWATER SAMPLE EXCEEDANCES

2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK

Prepared for:
50TH & 5TH LIC LLC

ROUX

Compiled by: J.W.	Date: 09SEPT21	PLATE 4
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: J.W.	Project: 2887.0004Y000	
File: 2887.0004Y114.02.DWG		

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GW-4	7/23/20	7/23/20 DUP
Metals, Total		
Manganese	**489**	**559**
Metals, Filtered		
Manganese	NE	**543**

GW-6	7/22/20
Metals, Total	
Manganese	**1320**
Metals, Filtered	
Manganese	**1220**

GW-2	7/22/20
Metals, Total	
Manganese	**2920**
Metals, Filtered	
Manganese	**2650**

GW-1	7/21/20
Metals, Total	
Manganese	**9370**
Metals, Filtered	
Manganese	**9680**

49TH AVENUE

CHAIN LINK FENCE

GW-4

GW-7

GW-2

GW-6

GW-1

GW-5

GW-3

WALL

TUNNEL EXTENTS

TUNNEL EXTENTS

VENT SHAFT

NYCTA PROPERTY LINE

5TH STREET

CHAIN LINK FENCE

50TH AVENUE

GW-5	7/21/20
VOCs	
Benzene	**5.4**
SVOCs	
Acenaphthene	**100**
Metals, Total	
Manganese	**1490**
Metals, Filtered	
Manganese	**1560**

Parameter	NYSDEC AWQSGV
VOCs	
Benzene	**1**
n-Butylbenzene	**5**
n-Propylbenzene	**5**
sec-Butylbenzene	**5**
tert-Butylbenzene	**5**
SVOCs	
Acenaphthene	**20**
Benzo[a]anthracene	**0.002**
Benzo[a]pyrene	**0**
Benzo[b]fluoranthene	**0.002**
Benzo[k]fluoranthene	**0.002**
Chrysene	**0.002**
Indeno[1,2,3-cd]pyrene	**0.002**
Metals, Total	
Beryllium	**3**
Lead	**25**
Manganese	**300**
Metals, Filtered	
Beryllium	**3**
Lead	**25**
Manganese	**300**
PCBs	ND
Pesticides	ND

CONCENTRATIONS IN µg/L

LEGEND

- SITE BOUNDARY
- SUBWAY TUNNEL BOUNDARY
- BUILDING
- GW-1 GROUNDWATER WELL LOCATION AND DESIGNATION

GW-3	7/23/20
VOCs	
n-Butylbenzene	**5.5**
n-Propylbenzene	**10**
sec-Butylbenzene	**14**
SVOCs	
Benzo[a]anthracene	**0.78 J**
Benzo[a]pyrene	**0.78 JT**
Metals, Total	
Manganese	**464**
Metals, Filtered	
Manganese	**577**

GW-7	7/23/20
VOCs	
n-Butylbenzene	**14**
n-Propylbenzene	**87**
sec-Butylbenzene	**31**
tert-Butylbenzene	**7.5**
SVOCs	
Benzo[a]anthracene	**6.9**
Benzo[a]pyrene	**3.8 T**
Benzo[b]fluoranthene	**3.9**
Benzo[k]fluoranthene	**1.8**
Chrysene	**5.4**
Indeno[1,2,3-cd]pyrene	**1.3 J**
Metals, Total	
Beryllium	**3.7**
Lead	**44**
Manganese	**7550**
Metals, Filtered	
Manganese	**5650**

µg/L – MICROGRAMS PER LITER

NYSDEC – NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

AWQSGVs – AMBIENT WATER–QUALITY STANDARDS AND GUIDANCE VALUES

J – ESTIMATED VALUE

T – INDICATES THAT A QUALITY CONTROL PARAMETER HAS EXCEEDED LABORATORY LIMITS

DUP – DUPLICATE SAMPLE

VOCs – VOLATILE ORGANIC COMPOUNDS

SVOCs – SEMIVOLATILE ORGANIC COMPOUNDS

PCBs – POLYCHLORINATED BIPHENYLS

NE – NO EXCEEDANCE

ND – NO DETECTION

N

30' 0 30'

Title:

HISTORICAL GROUNDWATER SAMPLE EXCEEDANCES

2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK

Prepared for:

50th & 5th LIC LLC

ROUX

Compiled by: W.S.	Date: 10SEPT21	PLATE
Prepared by: G.M.	Scale: AS SHOWN	5
Project Mgr: W.S.	Project: 2887.0004Y000	
File: 2887.0004Y114.06.DWG		

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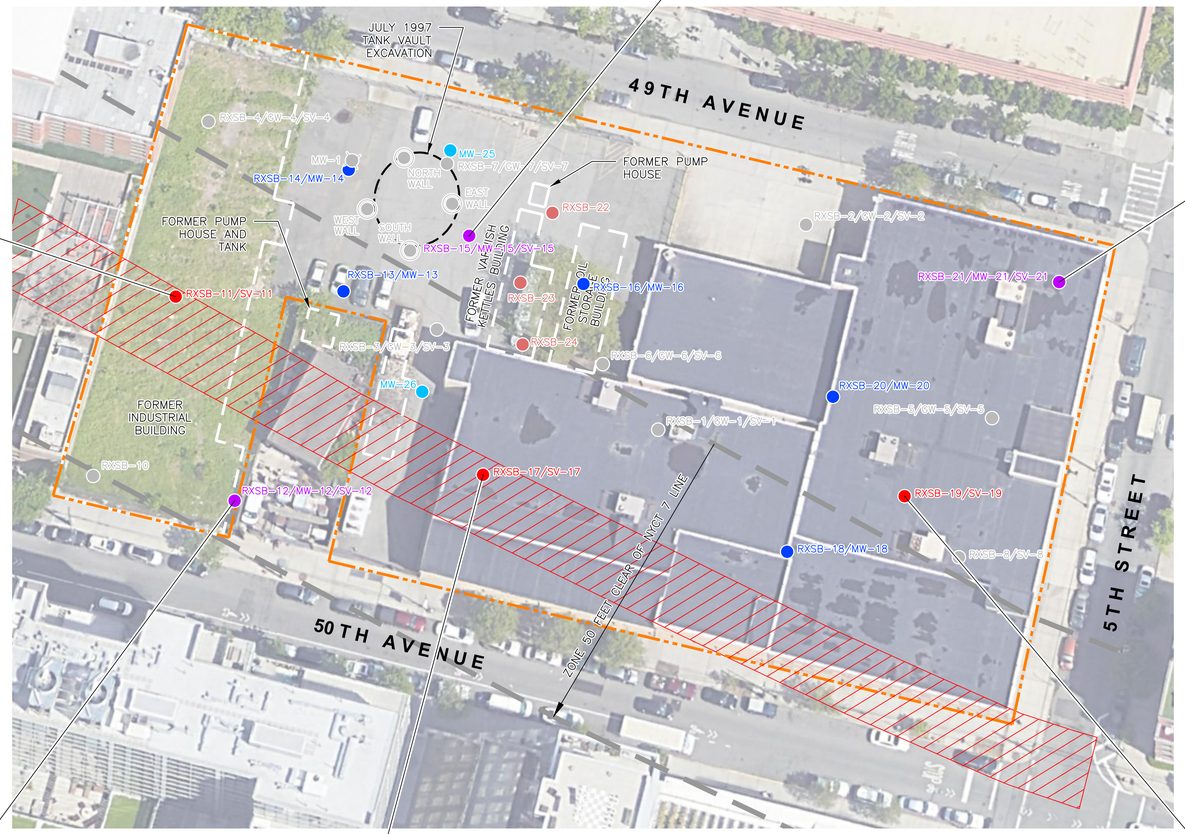
SV-15	07/22/2021
VOCs	
1,2,4-Trimethylbenzene	**3.53**
2,2,4-Trimethylpentane	**14.9**
2-Hexanone	**102**
Acetone	**1520**
Carbon Disulfide	**10.4**
Chloroform	**4.08**
Cis-1,2-Dichloroethylene	**2.36**
Cyclohexane	**22.1**
Ethanol	**40.3**
Isopropanol	**13.7**
Methyl Ethyl Ketone (2-Butanone)	**342**
N-Heptane	**6.76**
N-Hexane	**5.5**
O-Xylene (1,2-Dimethylbenzene)	**2.27**
Tert-Butyl Alcohol	**57**
Tetrachloroethylene (PCE)	**32.4**
Toluene	**3.69**
Trichloroethylene (TCE)	**109**

SV-21	07/28/2021
VOCs	
1,2,4-Trimethylbenzene	**3.32**
2,2,4-Trimethylpentane	**1.97**
2-Hexanone	**38.4**
Acetone	**7.72**
Benzene	**1.84**
Carbon Disulfide	**5.33**
Chloroform	**12.6**
Cyclohexane	**2.04**
Dichlorodifluoromethane	**2.14**
Ethylbenzene	**1.76**
Isopropanol	**1.63**
m,p-Xylene	**6.3**
Methyl Ethyl Ketone (2-Butanone)	**82.3**
N-Heptane	**2.81**
N-Hexane	**1.95**
O-Xylene (1,2-Dimethylbenzene)	**2.9**
Tetrachloroethylene (PCE)	**2.28**
Toluene	**7.12**
Trichlorofluoromethane	**1.85**

SV-11	07/22/2021
VOCs	
2-Hexanone	**147**
Acetone	**1070**
Methyl Ethyl Ketone (2-Butanone)	**2270**
Tetrachloroethylene (PCE)	**39.7**



SV-12	07/22/2021
VOCs	
2-Hexanone	**106**
Acetone	**378**
Chloroform	**5.27**
Methyl Ethyl Ketone (2-Butanone)	**1110**
N-Hexane	**4.02**
Tert-Butyl Alcohol	**7.88**

SV-17	07/28/2021	07/28/2021 DUP
VOCs		
1,2,4-Trimethylbenzene	**3.49**	**3.62**
1,3,5-Trimethylbenzene (Mesitylene)	ND	**0.998**
2-Hexanone	**10.6**	**11.1**
Acetone	**4.47**	ND
Benzene	**2.97**	**3.05**
Carbon Disulfide	**0.891**	**2.33**
Chloroform	**3.6**	**3.58**
Dichlorodifluoromethane	**1.98**	**1.94**
Ethylbenzene	**0.96**	**0.964**
Isopropanol	**4.55**	**3.05**
m,p-Xylene	**4.91**	**3.93**
Methyl Ethyl Ketone (2-Butanone)	**16**	**14.8**
Methylene Chloride	**3.75**	ND
N-Heptane	**1.41**	**1.32**
N-Hexane	**0.821**	ND
O-Xylene (1,2-Dimethylbenzene)	**2.01**	**1.79**
Tetrachloroethylene (PCE)	**97.6**	**105**
Toluene	**5.43**	**5.13**
Trichloroethylene (TCE)	**34.3**	**36.7**
Trichlorofluoromethane	**1.44**	**1.35**

SV-19	07/28/2021
VOCs	
2,2,4-Trimethylpentane	**1.29**
2-Hexanone	**19.4**
Acetone	**37.1**
Benzene	**2.75**
Carbon Disulfide	**6.13**
Chloromethane	**0.419**
Cyclohexane	**3.48**
Dichlorodifluoromethane	**2.32**
Isopropanol	**21.3**
m,p-Xylene	**2.01**
Methyl Ethyl Ketone (2-Butanone)	**178**
Methylene Chloride	**12.8**
N-Heptane	**6.31**
N-Hexane	**15**
O-Xylene (1,2-Dimethylbenzene)	**0.886**
Styrene	**1.92**
Tert-Butyl Alcohol	**1.83**
Tert-Butyl Methyl Ether	**7.32**
Toluene	**7.5**
Trichlorofluoromethane	**1.51**

LEGEND

- SITE BOUNDARY
- RXSB-24 — SOIL BORING LOCATION AND DESIGNATION
- MW-26 — GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- RXSB-18/MW-18 — SOIL BORING AND GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- RXSB-11/SV-11, RXSB-21/MW-21/SV-21 — SOIL BORING AND SOIL VAPOR LOCATION AND DESIGNATION
- RXSB-5/GW-5/SV-5 — SOIL BORING, GROUNDWATER MONITORING WELL AND SOIL VAPOR LOCATION AND DESIGNATION
- ROUX 2020 PHASE II SOIL BORING/ TEMPORARY GROUNDWATER WELL/SOIL VAPOR POINT LOCATION AND DESIGNATION
- NORTH WALL — IMPACT 1997 CAP TANK VAULT EXCAVATION SIDEWALL SOIL ENDPOINT LOCATION AND DESIGNATION
- MW-1 — IMPACT 1997 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (DESTROYED)
- NYCT 7 SUBWAY LINE TUNNEL

CONCENTRATIONS IN ug/m^3

ug/m^3 – MICROGRAMS PER CUBIC METER

VOCs – VOLATILE ORGANIC COMPOUNDS

ND – COMPOUND WAS ANALYZED FOR BUT NOT DETECTED

N

30' 0 30'

Title:

SOIL VAPOR SAMPLE DETECTIONS

2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK

Prepared for:

50TH & 5TH LIC LLC

ROUX

Compiled by: J.W.	Date: 09SEPT21	PLATE
Prepared by: G.M.	Scale: AS SHOWN	6
Project Mgr: J.W.	Project: 2887.0004Y000	
File: 2887.0004Y114.02.DWG		

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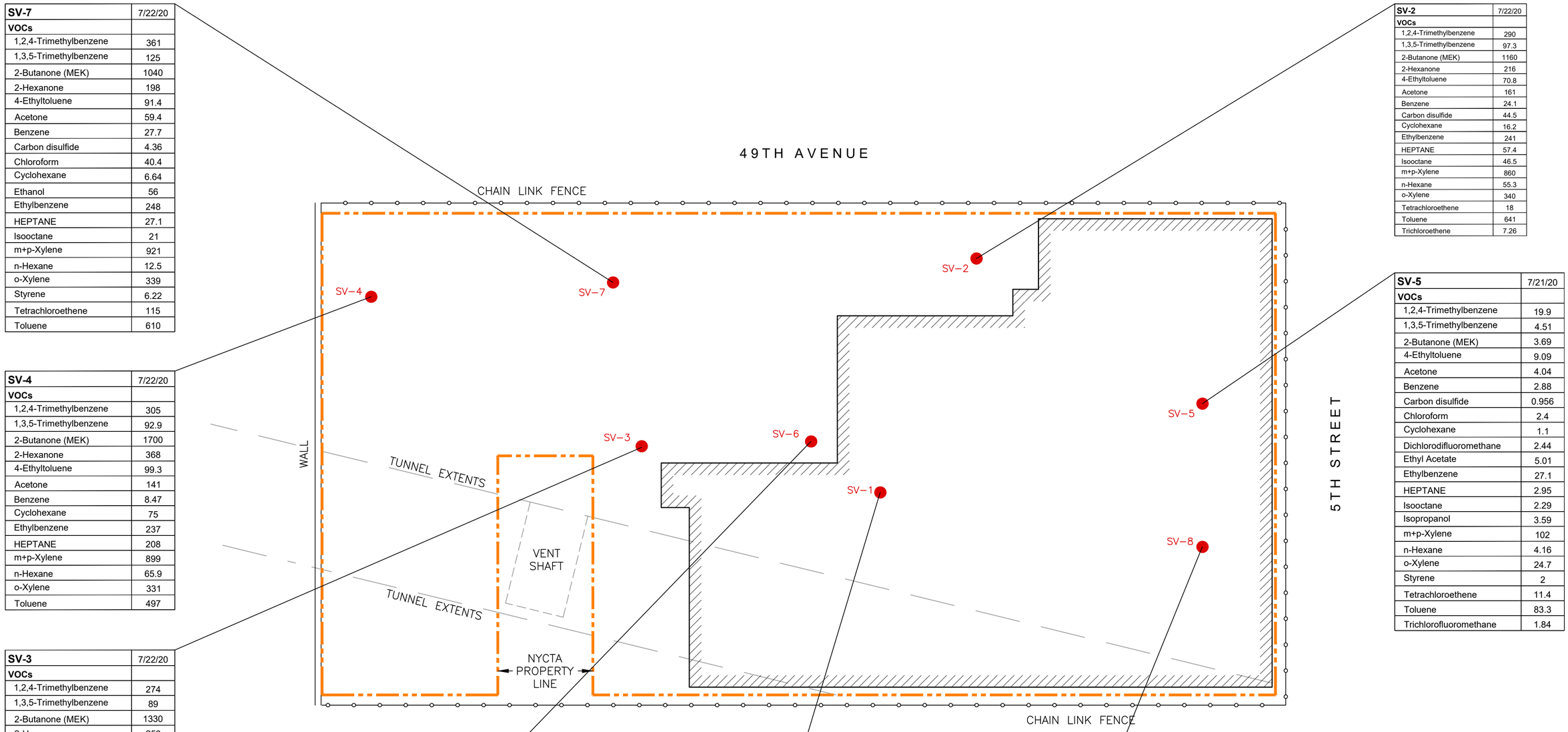

SV-7	7/22/20
VOCs	
1,2,4-Trimethylbenzene	361
1,3,5-Trimethylbenzene	125
2-Butanone (MEK)	1040
2-Hexanone	198
4-Ethyltoluene	91.4
Acetone	59.4
Benzene	27.7
Carbon disulfide	4.36
Chloroform	40.4
Cyclohexane	6.64
Ethanol	56
Ethylbenzene	248
HEPTANE	27.1
Isooctane	21
m+p-Xylene	921
n-Hexane	12.5
o-Xylene	339
Styrene	6.22
Tetrachloroethene	115
Toluene	610

SV-2	7/22/20
VOCs	
1,2,4-Trimethylbenzene	290
1,3,5-Trimethylbenzene	97.3
2-Butanone (MEK)	1160
2-Hexanone	216
4-Ethyltoluene	70.8
Acetone	161
Benzene	24.1
Carbon disulfide	44.5
Cyclohexane	16.2
Ethylbenzene	241
HEPTANE	57.4
Isooctane	46.5
m+p-Xylene	860
n-Hexane	55.3
o-Xylene	340
Tetrachloroethene	18
Toluene	641
Trichloroethene	7.26

SV-5	7/21/20
VOCs	
1,2,4-Trimethylbenzene	19.9
1,3,5-Trimethylbenzene	4.51
2-Butanone (MEK)	3.69
4-Ethyltoluene	9.09
Acetone	4.04
Benzene	2.88
Carbon disulfide	0.956
Chloroform	2.4
Cyclohexane	1.1
Dichlorodifluoromethane	2.44
Ethyl Acetate	5.01
Ethylbenzene	27.1
HEPTANE	2.95
Isooctane	2.29
Isopropanol	3.59
m+p-Xylene	102
n-Hexane	4.16
o-Xylene	24.7
Styrene	2
Tetrachloroethene	11.4
Toluene	83.3
Trichlorofluoromethane	1.84

SV-4	7/22/20
VOCs	
1,2,4-Trimethylbenzene	305
1,3,5-Trimethylbenzene	92.9
2-Butanone (MEK)	1700
2-Hexanone	368
4-Ethyltoluene	99.3
Acetone	141
Benzene	8.47
Cyclohexane	75
Ethylbenzene	237
HEPTANE	208
m+p-Xylene	899
n-Hexane	65.9
o-Xylene	331
Toluene	497

SV-3	7/22/20
VOCs	
1,2,4-Trimethylbenzene	274
1,3,5-Trimethylbenzene	89
2-Butanone (MEK)	1330
2-Hexanone	253
4-Ethyltoluene	86
Acetone	164
Benzene	6.61
Ethylbenzene	219
HEPTANE	16.7
Isooctane	19.2
m+p-Xylene	830
n-Hexane	8.11
o-Xylene	317
Tetrachloroethene	18.9
Toluene	433

SV-6	7/22/20
VOCs	
1,2,4-Trimethylbenzene	350
1,3,5-Trimethylbenzene	89.5
2-Butanone (MEK)	554
2-Hexanone	107
4-Ethyltoluene	96.4
Acetone	36.3
Benzene	11.8
Carbon disulfide	7.79
Cyclohexane	4.92
Ethanol	40.5
Ethylbenzene	214
HEPTANE	25.9
Isooctane	15.5
m+p-Xylene	791
n-Hexane	15.1
o-Xylene	300
Tetrachloroethene	10.3
Toluene	501

SV-1	7/21/20
VOCs	
1,2,4-Trimethylbenzene	12
1,3,5-Trimethylbenzene	3.29
2-Butanone (MEK)	3.83
4-Ethyltoluene	5.8
Acetone	6.08
Benzene	2.99
Carbon disulfide	5.29
Chloroform	0.977
Cyclohexane	50.3
Dichlorodifluoromethane	2.55
Ethyl Acetate	3.01
Ethylbenzene	17
HEPTANE	2.77
Isooctane	1.42
Isopropanol	2.14
m+p-Xylene	65.2
Methylene chloride	1.98
n-Hexane	3.63
o-Xylene	14.6
Styrene	1.45
Tetrachloroethene	10.4
Toluene	70.1
Trichlorofluoromethane	1.66

SV-8	7/21/20
VOCs	
1,2,4-Trimethylbenzene	15.3
1,3,5-Trimethylbenzene	5.51
4-Ethyltoluene	6.29
Benzene	8.27
Cyclohexane	640
Ethyl Acetate	16.6
Ethylbenzene	25.1
HEPTANE	271
Isopropanol	5.73
m+p-Xylene	76.4
n-Hexane	221
o-Xylene	26.8
Tetrachloroethene	8.41
Toluene	78

LEGEND

- SITE BOUNDARY
- SUBWAY TUNNEL BOUNDARY
- BUILDING
- SV–5 SOIL VAPOR LOCATION AND DESIGNATION

CONCENTRATIONS IN µg/m³

µg/m³ – MICROGRAMS PER LITER

VOCs – VOLATILE ORGANIC COMPOUNDS

N

30' 0 30'

Title:

HISTORICAL SOIL VAPOR SAMPLE DETECTIONS

2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK

Prepared for:

50th & 5th LIC LLC

ROUX

Compiled by: W.S.	Date: 17SEPT21	PLATE 7
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: W.S.	Project: 2887.0004Y000	
File: 2887.0004Y114.06.DWG		

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