# 366 ROCKAWAY AVE. CABINET FURNITURE MANUFACTURING
# BROOKLYN, NEW YORK

---

## Remedial Action Work Plan

**NYSDEC BCP Number: C224357**

**Prepared for:**
**Brownsville Arts Owner LLC**
7 Jackson Walkway
Providence, RI 02903

**Prepared by:**
Roux Environmental Engineering and Geology, D.P.C.
209 Shafter Street
Islandia, New York 11749
631.232.2600

---

**OCTOBER 2024**

# Certifications

I, Charles J. McGuckin, P.E., certify that I am currently a NYS registered professional engineer and that this Remedial Action Work Plan 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) and DER Green Remediation (DER-31).

| | | |
|---|---|---|
| Charles J. McGuckin, P.E.<br>NYS Professional Engineer #072491 | October 10, 2024<br>Date | Signature |

It is a violation of Article 130 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 145, New York State Education Law.

# Table of Contents


Certifications ..... i

Table of Contents ..... ii

Acronyms ..... viii

Executive Summary ..... x
- Summary of Environmental Findings ..... xi
- Qualitative Human Health Exposure Assessment ..... xiii
- Summary of Selected Remedial Actions ..... xiii

1. Introduction ..... 1
   - 1.1 RAWP Organization ..... 1
   - 1.2 Site Location and Description ..... 2
   - 1.3 Contemplated Redevelopment Plan ..... 2
   - 1.4 Description of Surrounding Property ..... 3

2. Background ..... 4
   - 2.1 Historic Land Uses ..... 4
   - 2.2 Geologic and Hydrogeologic Conditions ..... 4
   - 2.3 Historical Environmental Reports ..... 4
     - 2.3.1 Phase I ESA, prepared by VHB, dated March 11, 2019 ..... 5
     - 2.3.2 Phase II ESA, prepared by VHB, dated November 12, 2020 ..... 5
     - 2.3.3 Supplemental Investigation (SI), performed by Roux in November 2022 ..... 7

3. Remedial Investigation Field Activities ..... 9

4. Remedial Investigation Results ..... 10
   - 4.1 Significant Threat ..... 10
   - 4.2 Geological and Hydrogeological Conditions ..... 10
     - 4.2.1 Local Geology and Stratigraphy ..... 10
     - 4.2.2 Site Hydrogeologic Setting ..... 10
   - 4.3 Remedial Investigation Sample Results ..... 10
     - 4.3.1 RI Soil Sampling Results ..... 10
       - 4.3.1.1 Volatile Organic Compounds in Soil ..... 11
       - 4.3.1.2 Semivolatile Organic Compounds in Soil ..... 11
       - 4.3.1.3 Metals in Soil ..... 12
       - 4.3.1.4 Polychlorinated Biphenyls in Soil ..... 12
       - 4.3.1.5 Pesticides in Soil ..... 12
       - 4.3.1.6 PFAS in Soil ..... 13
     - 4.3.2 Groundwater Sampling Results ..... 13
       - 4.3.2.1 Volatile Organic Compounds in Groundwater ..... 14
       - 4.3.2.2 Semivolatile Organic Compounds in Groundwater ..... 14
       - 4.3.2.3 Metals in Groundwater ..... 14
       - 4.3.2.4 Polychlorinated Biphenyls in Groundwater ..... 14
       - 4.3.2.5 Pesticides in Groundwater ..... 14
       - 4.3.2.6 PFAS in Groundwater ..... 15

4.3.3 Soil Vapor Results ..... 15
4.3.4 Data Usability Summary and Field Duplicate Results ..... 15
4.3.5 Investigation Derived Waste ..... 15

5. Conceptual Site Model ..... 16

6. Qualitative Human Health Exposure Assessment ..... 17
6.1 Soil Exposure ..... 17
6.2 Groundwater Exposure ..... 17
6.3 Soil Vapor Exposure ..... 18
6.4 Exposure Assessment Summary ..... 18

7. Remedial Action Objectives ..... 20
7.1 Soil ..... 20
7.2 Groundwater ..... 20
7.3 Soil Vapor ..... 20

8. Description of Remedial Action Plan ..... 21
8.1 Evaluation of Remedial Alternatives ..... 24
8.1.1 Overall Protection of Human Health and the Environment ..... 25
8.1.2 Standards, Criteria, and Guidance ..... 25
8.1.3 Long-Term Effectiveness and Permanence ..... 26
8.1.4 Reduction in Toxicity, Mobility, or Volume of Contamination Through Treatment ..... 26
8.1.5 Short-Term Impacts and Effectiveness ..... 27
8.1.6 Implementability ..... 27
8.1.7 Cost Effectiveness ..... 27
8.1.8 Community Acceptance ..... 28
8.1.9 Land Use ..... 28
8.1.10 Green and Sustainable Remediation ..... 29
8.2 Selection of the Preferred Remedy ..... 29
8.2.1 Preferred Remedy Land Use Factor Evaluation ..... 29
8.2.1.1 Zoning ..... 30
8.2.1.2 Applicable Comprehensive Community Master Plans or Land Use Plans ..... 30
8.2.1.3 Surrounding Property Uses ..... 30
8.2.1.4 Citizen Participation ..... 30
8.2.1.5 Environmental Justice Concerns ..... 30
8.2.1.6 Environmental Zones ..... 31
8.2.1.7 Land Use Designations ..... 31
8.2.1.8 Population Growth Patterns ..... 31
8.2.1.9 Accessibility to Existing Infrastructure ..... 31
8.2.1.10 Proximity to Cultural Resources ..... 31
8.2.1.11 Proximity to Natural Resources ..... 31
8.2.1.12 Groundwater Vulnerability ..... 31
8.2.1.13 Proximity to Floodplains ..... 31
8.2.1.14 Geography and Geology of the Site ..... 31
8.2.1.15 Current Institutional Controls ..... 31
8.3 Summary of Selected Remedial Actions ..... 32

9. Remedial Action Program ..... 33

9.1 Governing Documents ... 33
9.1.1 Standards, Criteria, and Guidance (SCGs) ... 33
9.1.2 Green and Sustainable Remediation and Climate Resiliency ... 34
9.1.3 Site Specific Health and Safety Plan (HASP) ... 36
9.1.4 Quality Assurance Project Plan (QAPP)/ Field Sampling Plan (FSP) ... 36
9.1.5 Construction Quality Assurance Plan ... 37
9.1.5.1 Organization/Personnel ... 37
9.1.5.2 Brownsville Arts Owner LLC (Volunteer) – Site Redevelopment and Regulatory Interaction ... 37
9.1.5.3 General Contractor/Soil Remedial Contractor – To Be Determined ... 38
9.1.5.4 Roux Environmental Engineering and Geology, D.P.C. – RAWP and Environmental Monitoring Compliance ... 38
9.1.5.5 Environmental Laboratory ... 39
9.1.5.6 TBD – Surveying Firm ... 39
9.1.5.7 TBD – Data Validation ... 39
9.1.5.8 Waste Disposal Facilities ... 39
9.1.5.9 Waste Transporter and Disposal Facility Qualifications ... 40
9.1.5.10 Construction Quality Control Testing ... 40
9.1.5.11 Project Coordination ... 41
9.1.6 Soil/Materials Management Plan (SoMP) ... 42
9.1.7 Stormwater Pollution Prevention Plan ... 42
9.1.8 Community Air Monitoring Plan (CAMP) ... 42
9.1.9 Contractors Site Operations Plan (SOP) ... 42
9.1.10 Citizen Participation Plan ... 42
9.2 General Remedial Construction Information ... 43
9.2.1 Project Organization ... 43
9.2.2 Remedial Engineer ... 43
9.2.3 Remedial Action Construction Schedule ... 43
9.2.4 Work Hours ... 44
9.2.5 Site Security ... 44
9.2.6 Traffic Control ... 44
9.2.7 Contingency Plan ... 44
9.2.8 Worker Training and Monitoring ... 44
9.2.9 Agency Approvals ... 45
9.2.10 NYSDEC BCP Signage ... 45
9.2.11 Pre-Construction Meeting with NYSDEC ... 45
9.2.12 Emergency Contact Information ... 45
9.2.13 Remedial Action Costs ... 45
9.3 Site Preparation ... 45
9.3.1 Mobilization ... 45
9.3.2 Erosion and Sedimentation Controls ... 46
9.3.3 Stabilized Construction Entrance(s) ... 46
9.3.4 Utility Markout and Easements Layout ... 46
9.3.5 Structural Stability/Support of Excavation ... 46
9.3.6 Equipment and Material Staging ... 46
9.3.7 Decontamination Area ... 46

9.3.8 Site Fencing ..... 47
9.3.9 Demobilization ..... 47
9.4 Reporting ..... 47
9.4.1 Daily Reports ..... 47
9.4.2 Monthly Reports ..... 48
9.4.3 Other Reporting ..... 48
9.4.4 Complaint Management Plan ..... 48
9.4.5 Deviations from the Remedial Action Work Plan ..... 49

10. Remedial Action Implementation ..... 50
10.1 Pre-Design Investigation ..... 50
10.2 Material Removal from Site ..... 50
10.3 Soil Cleanup Objectives ..... 50
10.4 Remedial Performance Evaluation (Post Excavation Endpoint Sampling) ..... 50
10.4.1 Endpoint Sampling Frequency ..... 50
10.4.2 Methodology ..... 51
10.4.3 Reporting of Results ..... 51
10.4.4 QA/QC ..... 52
10.4.5 DUSR ..... 52
10.4.6 Reporting of Endpoint Data in FER ..... 52
10.5 Estimated Material Removal Quantities ..... 52
10.6 Soil/Materials Management Plan ..... 53
10.6.1 Soil Screening Methods ..... 53
10.6.2 Stockpile Methods ..... 53
10.6.3 Materials Excavation and Load Out ..... 53
10.6.4 Materials Transport Offsite ..... 54
10.6.5 Materials Disposal Offsite ..... 54
10.6.6 Materials Reuse Onsite ..... 55
10.6.7 Fluids Management ..... 55
10.6.8 Demarcation (Contingency) ..... 56
10.6.9 Backfill from Offsite Sources ..... 56
10.6.10 Stormwater Pollution Prevention ..... 57
10.6.11 Contingency Plan ..... 57
10.6.12 Community Air Monitoring Plan ..... 57
10.6.13 Odor, Dust and Nuisance Control Plan ..... 57
10.6.13.1 Odor Control Plan ..... 57
10.6.13.2 Dust Control Plan ..... 58
10.6.13.3 Other Nuisances ..... 58
10.7 Post-Remediation Soil Vapor Intrusion Evaluation ..... 58

11. Remaining Contamination Onsite ..... 59
11.1 Engineering Controls ..... 59
11.2 Institutional Controls ..... 59
11.2.1 Environmental Easement ..... 59
11.2.2 Site Management Plan ..... 61

12. Final Engineering Report ..... 63
12.1 Certifications ..... 63

13. Schedule ..... 66

# Tables

1. Summary of VOCs in Soil Samples
2. Summary of SVOCs in Soil Samples
3. Summary of Metals in Soil Samples
4. Summary of PCBs in Soil Samples
5. Summary of Pesticides and Herbicides in Soil Samples
6. Summary of PFAS in Soil Samples
7. Summary of VOCs in Groundwater Samples
8. Summary of SVOCs in Groundwater Samples
9. Summary of Metals in Groundwater Samples
10. Summary of PCBs in Groundwater Samples
11. Summary of Pesticides and Herbicides in Groundwater Samples
12. Summary of Per- and Polyfluoroalkyl Substances in Groundwater
13. Summary of VOCs in Soil Vapor
14. Groundwater Gauging Data
15. Remedial Alternative 1 Remedial Cost Estimate
16. Remedial Alternative 2 Remedial Cost Estimate
17. Remedial Alternative 3 Remedial Cost Estimate
18. List of Required Permits
19. Track 1 and Track 2/4 Soil Cleanup Objectives
20. List of Confirmation Endpoint Samples

# Figures

1. Site Location Map
2. Site Plan
3. Site Plan with Sampling Locations
4. Tax Map
5. Surrounding Land Use
6. Soil Sample Exceedances
7. Groundwater Sample Exceedances
8. Soil Vapor Detections
9. Cross-Sections A-A’ and B-B’
10. Groundwater Contour Map, December 21, 2023
11. Remedial Alternative 1: Track 1 Unrestricted Use Cleanup

12. Remedial Alternative 2: Track 1 Unrestricted Use/Track 4 Restricted Use Cleanup
13. Remedial Alternative 3: Track 2/4 Restricted Use Cleanup
14. Truck Routes

## Appendices *(Provided on CD in Bound Copy)*

A. Redevelopment Plans
B. Historical Environmental Reports
C. Soil Boring and Well Construction Logs
D. Citizens Participation Plan
E. Health and Safety Plan (and Community Air Monitoring Plan)
F. Quality Assurance Project Plan/ Field Sampling Plan
G. Resumes of Key Personnel
H. Request for Import/Reuse Fill Material Form

# 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
C/D ..... Construction and Demolition
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
CY ..... Cubic Yards
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
DMM..... Division of Materials Management
DO ..... Dissolved Oxygen
DUSR ..... Data Usability Summary Report
EC ..... Engineering Control
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
Hp..... Horsepower
HVAC ..... Heating, Ventilation, and Air Conditioning

IC ..... Institutional Control
MEK..... Methyl Ethyl Ketone; 2-butanone
MS/MSD ..... Matrix Spike/Matrix Spike Duplicate
MW ..... Monitoring Well
NG/L ..... Nanograms per Liter
NYCDEP ..... New York City Department of Environmental Protection
NYCDOT ..... New York City Department of Traffic
NYCRR..... New York Codes, Rules, and Regulations
NYSDEC ..... New York State Department of Environmental Conservation
NYSDOH ..... New York State Department of Health
NYSDOT ..... New York State Department of Transportation
O&M ..... Operation and Maintenance
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
RAOs..... Remedial Action Objectives
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
SMP..... Site Management Plan
SOE..... Support of Excavation
SoMP..... Soil Management Plan
SOP ..... Site Operations Plan
SSO ..... Site Safety Officer
SVOC ..... Semivolatile Organic Compounds
SWPPP ..... Stormwater Pollution Prevention Plan
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 Compounds

# Executive Summary

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of Brownsville Arts Owner LLC (the Volunteer), has prepared this Remedial Action Work Plan (RAWP) for the property located at 366 Rockaway Avenue in Brooklyn, New York (Site), as shown on **Figure 1 and Figure 2**. The Site was investigated to prepare for remediation under the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP). The Volunteer executed a Brownfield Cleanup Agreement (BCA) Index No. 224357-12-22 with NYSDEC on January 23, 2023, and the Site was assigned BCP Site number C224357.

The Site is identified as Tax Block 3499 Lot 15 (formerly Tax Block 3499 Lots 15, 17, 20-24, 45-48, 50, 52-54, and 56-58) and encompasses approximately 1.31 acres. The Site has been vacant since the 1980s. Before that the Site was improved with a furniture upholster, a cabinet manufacturer, a wholesale wallpaper storefront, and a residential garage. The Site is currently overgrown with vegetation and is enclosed by a chain-link security fence.

The planned redevelopment for the Site includes the construction of a 9-story mixed-use residential building with approximately 290 affordable housing units, a cellar, community facility space accommodating an arts and media center, performance arts school, music school, multipurpose theater/rehearsal/instruction space, and administrative office space for non-profit organizations. The Site is in an area zoned as Residential and Commercial and the planned project has been approved under the current zoning.

A Track 1 unrestricted use cleanup is proposed for the Site. The remedy described in this document is consistent with the procedures defined in DER-10 and complies with all applicable standards, criteria, and guidance. The remedy described in this document also complies with all applicable Federal, State and local laws, regulations and requirements.

**Site Description/Physical Setting**

A Site location map is included as **Figure 1**.

| Property Location | |
|---|---|
| Site Name: | 366 Rockaway Avenue Cabinet Furniture Manufacturing Site |
| Property Address: | 366 Rockaway Avenue |
| Property Town, County, State: | Brooklyn, New York |
| Property Tax Identification: | Block 3499 and Lot 15 |
| Property Topographic Quadrangle: | USGS-Brooklyn, New York |
| Nearest Intersection: | East New York Avenue and Chester Street to the northwest, East New York Avenue and Rockaway Avenue to the northeast, Pitkin Avenue and Chester Street to the southwest, and Pitkin Avenue and Rockaway Avenue to the southeast. |
| Area Description: | The Site is in a mixed-use area in the Brownsville neighborhood of Brooklyn, New York. To the north is a NYS BCP site undergoing redevelopment for a 14-story mixed-use residential/commercial building, to the south are multi- |

| Property Location | |
|---|---|
| | family residences along Chester Street and commercial and mixed-use commercial and residential properties along Rockaway Avenue, to the east are commercial and mixed-use commercial and residential properties along Rockaway Avenue, and to the west across Chester Street are institutional properties and multi-family residences. The neighboring BCP property, located at 326-350 Rockaway Avenue, is enrolled in the NYS BCP under site code #C224328. Remediation is complete at this property and received a Certificate of Completion for a Track 1 Unrestricted Use cleanup in December 2023. |

| Property Information | |
|---|---|
| Property Acreage: | 1.31 acres |
| Property Shape: | Irregular |
| Property Use: | The property is vacant |
| Improvements: | The majority of the Site is heavily vegetated, and the northern portion paved with concrete. The Site is fenced off with chain-linked fence. |

## Summary of Environmental Findings

The March 2024 Remedial Investigation Report (RIR) prepared by Roux summarizes the findings of the Remedial Investigation (RI). The purpose of the RI was 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 RAWP. Previous soil, groundwater, and soil vapor analytical data developed by Vanasse Hangen Brustlin, Inc. (VHB) and Roux were also evaluated by Roux during the RIWP preparation and RI implementation. The soil and groundwater data generated in the 2020 Phase II ESA and 2022 Supplemental Investigation (SI) contained data gaps which were addressed during the 2023/2024 RI. The findings of the RI are largely consistent with the findings of the previously completed Phase II ESA and SI. No additional soil vapor samples were collected during the RI as soil vapor data previously collected during the Phase II ESA and SI was deemed to fully characterized the onsite conditions, as indicated in the RIWP approved by NYSDEC on July 27, 2023.

The following is a summary of the geological and hydrogeological findings, the soil and groundwater data generated during the RI, and the soil vapor quality data that was generated during the Phase II ESA and SI. The NYSDEC and NYSDOH have determined that the Site does not pose a significant threat to human health and the environment.

### Local Geology and Stratigraphy

Based on field observations made during the RI, the Site is underlain by historic fill (consisting of sand, gravel, brick, concrete, wood, organics, plastic, metal, ceramic, and glass) to depths ranging from 4 to 17 feet below land surface (ft bls). Obstructions were encountered at depths ranging from 3 to 15 ft bls, potentially associated with historical foundations from prior onsite buildings that were previously demolished. Fill materials overlie native sand with varying amounts of gravel, silt, and cobbles. During a geotechnical investigation performed at the Site in 2020, geotechnical soil borings reached a maximum depth of 100 ft bls and bedrock was not encountered. Based on the Bedrock-Surface Elevation and

Overburden Thickness Maps of the Five Boroughs, New York City, New York prepared by the United States Geological Survey (USGS), bedrock within the area of the Site could be as deep at 400 ft bls.

### Site Hydrogeologic Setting

According to water-level data collected from permanent wells during the RI on December 21, 2023, the elevation of the water table surface at the Site ranges from 7.88 feet (ft) to 8.81 ft relative to the North American Vertical Datum of 1988 (NAVD 88), which equates to a groundwater depth of 38.20 ft bls to 39.50 ft bls. Groundwater flow is generally to the south-southeast.

### Soil, Groundwater, and Soil Vapor Quality

- The only volatile organic compound (VOC) detected in soil at a concentration exceeding the UUSCO and PGWSCOs was total xylenes at a concentration of 6.7 parts per million (ppm) (UUSCO is 0.26 ppm, PGWSCO is 1 ppm). No VOCs exceeded RRSCOs in soil samples collected from the Site. In groundwater, no VOCs were detected at concentrations exceeding the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs). The data indicates that the total xylenes detected in soil is not impacting groundwater.
- Semi-volatile organic compounds (SVOCs), exclusively polycyclic aromatic hydrocarbons (PAHs), were detected at concentrations above the UUSCOs, RRSCOs, and PGWSCOs in the fill material present across the Site. No SVOCs were detected in groundwater samples at concentrations above the AWQSGVs during the RI. This data indicates that SVOCs in soil are not impacting groundwater.
- Metals were detected in soil at concentrations above UUSCOs, RRSCOs, and PGWSCOs across the Site. Arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, silver, and zinc were detected at concentrations above the UUSCOs and RRSCOs. Arsenic, barium, cadmium, lead, and mercury were detected at concentrations exceeding their applicable UUSCOs and RRSCOs. Metals contamination is likely related to the presence of contaminated fill material at the Site. Some metals were detected at concentrations above the PGWSCOs in soil, but were not detected in dissolved groundwater samples, indicating that metals in soil are not a source of groundwater contamination at the Site. All of the metals detected at concentrations above AWQSGVs in the filtered samples (i.e., iron, selenium, and sodium) are naturally occurring.
- Polychlorinated biphenyls (PCBs) were detected in soils at concentrations marginally exceeding the applicable UUSCOs in two shallow samples at a maximum concentration of 0.14 ppm (UUSCO is 0.1 ppm), but none in exceedance of their RRSCOs and PCBs were not detected in groundwater. Therefore, PCBs in soil are not a source of groundwater contamination at the Site. The PCBs detected in soil are indicative of contaminated fill material.
- Pesticides, including 4,4'-DDE (max. 0.29 ppm) and 4,4'-DDT (max. 1.2 ppm), were detected at concentrations exceeding the UUSCO of 0.0033 ppm, but none were in exceedance of their applicable RRSCOs, and pesticides were not detected in groundwater. Therefore, pesticides in soil are not a source of groundwater contamination at the Site. Pesticide concentrations exceeding the UUSCOs are limited to the shallow 0-2 ft or 0-2 inch interval and may be a result of historical pesticide application.
- Per- and Polyfluorinated Substances (PFAS) compounds were detected above NYSDEC Guidance Values (GVs) in soil and groundwater samples. PFAS is a common constituent in upholstery treatments to protect fabric from staining and water damage, which may have been present at the historical furniture upholstery shops located on former lots 48, 54, 56 & 57 at the Site. However, based on concentrations detected during the RI, the presence of PFAS at this Site is most likely due to background levels of these compounds ubiquitous to the New York City area rather than a release from past Site operations.
- During the VHB 2020 Phase II ESA and the Roux 2022 SI, petroleum-related and chlorinated VOCs were detected in soil vapor samples at relatively low levels across the Site. The relatively low-level

concentrations of petroleum-related and chlorinated VOCs, combined with the absence of these compounds in groundwater and soil, indicate it is unlikely there is any onsite or nearby offsite sources of soil vapor impacts. Soil vapor intrusion is not a concern for the Site and mitigation measures are not proposed.

## Qualitative Human Health Exposure Assessment

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.<br>• 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 Health and Safety Plan (HASP), Community Air Monitoring Plan (CAMP) and dust controls during the remedial action and any future ground intrusive activities will mitigate potential exposures for future occupants of the Site and surrounding neighborhood.<br>• Future building occupant's exposure will be eliminated though addressing contaminated soil as described in the RIR and RAWP. Substantial remedial excavation will occur to remove onsite contamination. The proposed remedy will be described in the RAWP and includes addressing impacted soil through excavation to meet the UUSCOs to the extent feasible and the RRSCOs to the extent the UUSCOs cannot be achieved. |
| Ingestion of groundwater | • Groundwater is not and will not be 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.<br>• 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.<br>• 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.<br>• 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.<br>• A soil vapor intrusion evaluation will be completed. The evaluation will be summarized in the Final Engineering Report (FER) and include a desktop review of all onsite analytical data relative to the future uses of the property and co-located sub-slab and indoor air samples. Sub-slab depressurization system piping will be installed beneath the 20-mil vapor barrier/waterproofing membrane for future potential vapor mitigation. |

## Summary of Selected Remedial Actions

The elements of the selected Track 1 Unrestricted Use cleanup are:

1. A remedial program will be implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation

principles and techniques will be implemented to the extent feasible in the design, implementation, and site management of the remedy as per DER-31. The major green remediation components are as follows:

- Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;
- Reducing direct and indirect greenhouse gases and other emissions;
- Increasing energy efficiency and minimizing use of non-renewable energy;
- Conserving and efficiently managing resources and materials;
- Reducing waste, increasing recycling and increasing reuse of materials which would otherwise be considered a waste;
- Maximizing habitat value and creating habitat when possible;
- Fostering green and healthy communities and working landscapes which balance ecological, economic and social goals;
- Integrating the remedy with the end use where possible and encouraging green and sustainable re-development; and
- Additionally, to incorporate green remediation principles and techniques to the extent feasible in the future development at this site, any future on-site buildings shall be constructed, at a minimum, to meet the 2020 Energy Conservation Construction Code of New York (or most recent edition) to improve energy efficiency as an element of construction.

As part of the remedial program, to evaluate the remedy with respect to green and sustainable remediation principles, an environmental footprint analysis will be completed. The environmental footprint analysis will be completed using an accepted environmental footprint analysis calculator such as SEFA (Spreadsheets for Environmental Footprint Analysis, USEPA), SiteWiseTM (available in the Sustainable Remediation Forum [SURF] library) or similar Department accepted tool. Water consumption, greenhouse gas emissions, renewable and non-renewable energy use, waste reduction and material use will be estimated, and goals for the project related to these green and sustainable remediation metrics, as well as for minimizing community impacts, protecting habitats and natural and cultural resources, and promoting environmental justice, will be incorporated into the remedial program, as appropriate. The project will include detailed requirements to achieve the green and sustainable remediation goals. Further, progress with respect to green and sustainable remediation metrics will be tracked during implementation of the remedial action and reported in the Final Engineering Report (FER), including a comparison to the goals established during the remedial program.

Additionally, the remedial program will include a climate change vulnerability assessment, to evaluate the impact of climate change on the project site and the proposed remedy. Potential vulnerabilities associated with extreme weather events (e.g., hurricanes, lightning, heat stress and drought), flooding, and sea level rise will be identified, and the remedial program will incorporate measures to minimize the impact of climate change on potential identified vulnerabilities.

2. Installation of support of excavation (SOE) to reach the proposed remedial excavation depths to meet Track 1 and prevent damage to adjacent offsite structures, including removal of any subsurface obstructions encountered from old building foundations and materials.
3. Preparation and implementation of a Pre-Design Investigation (PDI) work plan, in order to collect soil samples to confirm remediation excavation depths throughout the Site.
4. Excavation and offsite disposal of approximately 13,000 in-place CY of soil exceeding Track 1 UUSCOs, as listed in **Table 19**. The remedial excavation depth will range from approximately 4 to 17 ft bls (actual volume is subject to change based on field conditions, results of the PDI, and post-excavation endpoint sampling). Offsite disposal of all material removed from the Site will be in accordance with all Federal, State and local rules and regulations for handling, transport, and disposal.

5. Screening for indications of contamination (by visual means, odor, and monitoring with PID) of all excavated soil during any intrusive Site work.
6. Collection and analysis of excavation bottom endpoint samples at a frequency of one per 900 square feet and sidewall endpoint samples will be collected at hot spot excavations only at a frequency of approximately one per 30 linear feet to evaluate the performance of the remedy with respect to attainment of Track 1 SCOs and to properly document the remaining onsite soil quality.
7. Clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) will be brought in to replace the excavated soil and establish the designed grades at the Site, if required. Import of materials to be used for backfill and cover will be in compliance with chemical limits and other specifications included in **Table 19,** Table 5.4(e)10 from DER-10, and all Federal, State and local rules and regulations for handling and transport of material.
8. Post-construction co-located sub-slab and indoor air samples will be collected. Three sub-slab vapor monitoring points will be installed in conjunction with slab construction and vapor barrier installation to avoid damaging the 20-mil vapor barrier/waterproofing membrane.
9. A sub-slab depressurization system piping will be installed in conjunction with slab construction and vapor barrier installation. Installing the sub-slab depressurization system during construction will avoid damaging the 20-mil vapor barrier/waterproofing membrane during a potential retrofit construction. The sub-slab depressurization system will be installed to mitigate potential vapor intrusion, should the post-construction sub-slab and indoor air sample analytical data indicate mitigation is necessary.
10. As part of the Track 1 Unrestricted Use cleanup, a soil vapor intrusion evaluation that will include sampling will be completed. The evaluation will include a provision for implementing actions recommended to address exposures related to soil vapor intrusion.

If a Track 1 Unrestricted Use cleanup is not achieved throughout the footprint of the entire Site, all or portions of the Site will achieve a minimum of a Track 4 Restricted Residential cleanup, which would require the recording of an Environmental Easement, including Institutional Controls, to prevent future exposure to any residual contamination remaining at the Site, and publication of a Site Management Plan for long term management of residual contamination. All responsibilities associated with the Remedial Action, including permitting requirements and pretreatment requirements, will be addressed in accordance with all applicable Federal, State and local rules and regulations. Remedial activities will be performed at the Site in accordance with this NYSDEC-approved RAWP and the Department-issued Decision Document. All deviations from the RAWP and/or Decision Document will be promptly reported to NYSDEC for approval and fully explained in the FER.

# 1. Introduction

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of Brownsville Arts Owner LLC (the Volunteer), has prepared this Remedial Action Work Plan (RAWP) for the 366 Rockaway Ave Cabinet Furniture Manufacturing Brownfield Cleanup Program (BCP) Site, which is identified as Site number C224357 (Site). The Volunteer entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) on January 23, 2023 (index no. 224357-12-22) to investigate and remediate a 1.31-acre property located at 366 Rockaway Avenue in Brooklyn, New York. As shown on **Figure 1 and Figure 2**, the Site is currently a vacant, overgrown with vegetation, and undeveloped lot surrounded by a chain-link security fence. Unrestricted Use is proposed for this property. When completed, the Site will contain a 9-story mixed-use affordable housing development with approximately 283 affordable housing units, a cellar, a community facility space accommodating an arts and media center, a performance arts school, a music school, a multipurpose theater/rehearsal/instruction space, and administrative office space for non-profit organizations.

This RAWP summarizes the nature and extent of contamination as determined from data gathered during the Remedial Investigation (RI), performed between December 6, 2023 and January 11, 2024. It provides an evaluation of a Track 1 cleanup and other applicable Remedial Action alternatives, their associated costs, and the recommended and preferred remedy. There may be areas on the Site where an unrestricted use cleanup may not be feasible, in which case that portion of the Site would achieve a Track 4 restricted residential use at a minimum. The remedy described in this document is consistent with the procedures defined in DER-10, DER-31, and complies with all applicable standards, criteria and guidance. The remedy described in this document also complies with all applicable Federal, State and local laws, regulations and requirements. The NYSDEC and New York State Department of Health (NYSDOH) have determined that this Site does not pose a significant threat to human health and the environment. The RI for this Site did not identify fish and wildlife resources. A formal Remedial Design document will not be prepared.

## 1.1 RAWP Organization

This RAWP 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 – Describes the Remedial Action Objectives (RAOs) for the Site;
- Section 8 – Describes the remedial action plan for the Site;
- Section 9 – Describes the remedial action program for the Site;
- Section 10 – Describes removal of impacted material from the Site;
- Section 11 – Describes the contamination that will remain onsite following the implementation of the remedy, and the contingency for Engineering and Institutional Controls;

- Section 12 – Describes the required components of the Final Engineering Report (FER); and
- Section 13 – Details the Site Schedule through Certificate of Completion.

Tables, figures, plates, and appendices are provided that summarize all RI investigation locations, analytical data, and results of sampling efforts as well as the proposed remedial areas.

## 1.2 Site Location and Description

The Site is in Kings County, New York, and is identified as Block 3499 Lot 15 (formerly Tax Block 3499 Lots 15, 17, 20-24, 45-48, 50, 52-54, and 56-58) on the New York City Tax Map. A United States Geological Survey (USGS) topographical quadrangle (**Figure 1**) shows the Site location. The Site is situated on an approximately 1.31-acre area bounded by a NYS BCP site (#C224328) undergoing redevelopment for a 14-story mixed-use commercial/residential building to the north, multi-family residences and commercial properties to the south, Rockaway Avenue to the east, and Chester Street to the west (see **Figures 4 and 5**). A boundary map is attached to the BCA as required by Environmental Conservation Law (ECL) Title 14 Section 27-1419.

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

| Property Location | |
|---|---|
| Property Name: | 366 Rockaway Avenue Cabinet Furniture Manufacturing Site |
| Property Address: | 366 Rockaway Avenue |
| Property Town, County, State: | Brooklyn, New York |
| Property Tax Identification: | Block 3499 and Lot 15 |
| Property Topographic Quadrangle: | USGS-Brooklyn, New York |
| Nearest Intersection: | East New York Avenue and Chester Street to the northwest, East New York Avenue and Rockaway Avenue to the northeast, Pitkin Avenue and Chester Street to the southwest, and Pitkin Avenue and Rockaway Avenue to the southeast. |

| Property Information | |
|---|---|
| Property Acreage: | 1.31 acres |
| Property Shape: | Irregular |
| Property Use: | vacant. |
| Improvements: | The majority of the Site is heavily vegetated, and the northern portion paved with concrete. The Site is fenced off with chain-linked fence. |

## 1.3 Contemplated Redevelopment Plan

The Remedial Action to be performed under the RAWP is intended to make the Site protective of human health and the environment consistent with the contemplated end use. The proposed redevelopment plan and end use is described here to provide the basis for this assessment. However, the Remedial Action contemplated under this RAWP may be implemented independent of the proposed redevelopment plan. The planned redevelopment for the Site includes the construction of a new building covering most of the footprint of the Site. This project will be completed as part of New York City Housing Preservation and Development

(NYC HPD) sponsored affordable housing programs. The development will include the construction of a 9-story mixed-use affordable housing development with approximately 283 affordable housing units, community facility space accommodating an arts and media center, performance arts school, music school, multipurpose theater/rehearsal/instruction space, and administrative office space for non-profit organizations. The development will also include an outdoor open space and a cellar level within the building footprint accommodating storage rooms, fitness centers, a community room, superintendent's office, and utility rooms. The redevelopment plans are included in **Appendix A**.

## 1.4 Description of Surrounding Property

The Site is in an urban area comprised primarily of commercial and multi-family residential properties (**Figures 4 and 5**). The Site (Block 3499 and Lot 15) is adjoined by the following: the Crossroads Juvenile Detention Center and multi-family residences to the west across Chester Street; multi-family residences; commercial, mixed-use commercial, and residential properties to the south, followed by Pitkin Avenue; a construction site for a new 14-story mixed-use commercial/residential building to the north; and a commercial, mixed-use commercial, residential properties, and multi-family public housing to the east across Rockaway Avenue. The northern neighboring property located at 326 - 350 Rockaway Avenue is enrolled in the NYS BCP under site code #C224328. Remediation is complete at this property, and it received a Certificate of Completion for a Track 1 Unrestricted Use cleanup in December 2023. A figure presenting the surrounding land use is provided as **Figure 5**.

# 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.

## 2.1 Historic Land Uses

Based on a review of previous environmental reports and documentation, including historic Sanborn Fire Insurance Maps, the Site was developed prior to 1907 with several commercial and residential structures (including several outbuildings). Residential buildings were constructed as row houses but were demolished in the 1960s and 1970s. Commercial uses have included moving/storage services, barber shop, furniture shops, a carpet store, a wholesale wallpaper storefront, an auctioneer, tombstone manufacturers and retailers, and notary services. Several manufacturing usages occurred at the Site from the 1900s to the 1980s including furniture upholsterers, cabinet manufacturing, and stone cutting and manufacturing operations. All residential, commercial, and manufacturing structures located at the Site were demolished by 1986 and the Site has remained vacant since that time.

## 2.2 Geologic and Hydrogeologic Conditions

The Site is not located in, or adjacent to, regulated wetlands. The Site is not within the 100-year or 500-year flood zone. The nearest natural surface water body is the Jamaica Bay, located approximately 1.88 miles to the southeast.

A review of the United States Geological Survey (USGS) Central Park, New York 7.5-minute series topographic quadrangle map and Site-specific survey indicated that the topography of the Site and surrounding area slopes to the south-southeasterly direction. The elevation of the Site ranges from approximately 48.7 to 45.5 feet referenced to North American Vertical Datum of 1988 (NAVD 88), excluding a vegetated soil mound located in the northern portion of the Site.

Based on the previous environmental reports and investigations, the Site is underlain by fill (consisting of sand, gravel, brick, concrete, wood, organics, plastic, metal, ceramic, and glass) to depths ranging from 4 to 17 ft bls. Fill materials overlie native sand with varying amounts of gravel, silt, and cobbles. A geologic cross-section is shown on **Figure 9**. During a geotechnical investigation performed at the Site in 2020, geotechnical soil borings reached a maximum depth of 100 ft bls and bedrock was not encountered. Based on the Bedrock-Surface Elevation and Overburden Thickness Maps of the Five Boroughs, New York City, New York prepared by the USGS, bedrock could be as deep at 400 ft bls. According to water-level data collected as part of the RI from the permanent wells on December 21, 2023, the elevation of the water table surface at the Site ranged from 7.88 ft to 8.81 ft relative to the NAVD 88, which equates to a groundwater depth of 38.20 ft bls to 39.50 ft bls. Groundwater flow is generally to the south-southeast. A groundwater contour map is shown on **Figure 10.**

## 2.3 Historical 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 investigations.

- **Phase I Environmental Site Assessment (ESA)**, prepared by Vanasse Hangen Brustlin, Inc. (VHB), dated March 11, 2019.

- **Phase II ESA,** prepared by VHB, dated November 12, 2020.
- **Supplemental Investigation (SI),** performed by Roux Environmental Engineering and Geology, D.P.C, November 2022.

A summary of the findings from assessments of the Site is provided below. The Phase I ESA and Phase II ESA are provided in Appendix B.

### 2.3.1 Phase I ESA, prepared by VHB, dated March 11, 2019

One recognized environmental condition (REC) was identified in the VHB Phase I ESA. The REC is summarized as follows:

- Sanborn maps identified several manufacturing uses at the site, including furniture upholsterers, cabinet manufacturing, and stone cutting and manufacturing operations. All Sanborn Maps available for this Site were reviewed prior to preparation of the RAWP. Former manufacturing relating to furniture upholstering has the potential to have impacted subsurface conditions at the Site.

### 2.3.2 Phase II ESA, prepared by VHB, dated November 12, 2020

VHB performed a Phase II ESA in October 2020. A summary of findings is provided below:

**Soil/Fill**

A total of 27 soil samples were collected from 11 soil borings as part of the Phase II ESA and analyzed for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), Target Analyte List (TAL) metals, pesticides, and PCBs. The following Site conditions were identified upon evaluation of the findings:

- VOCs exceeded UUSCOs in one sample (SB-02 at 0-2 ft bls) for total xylenes. There were no other VOC exceedances of UUSCOs. No soil samples exceeded PGWSCOs or RRSCOs for VOCs as part of the Phase II ESA.
- SVOCs, specifically polycyclic aromatic hydrocarbons (PAHs), exceeded RRSCOs in eight soil samples at depths ranging from 0-2 to 5-7 ft bls. Exceedances of RRSCOs included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene. One additional PAH, benzo(k)fluoranthene at 0-2 ft bls, was detected below RRSCOs, but above PGWSCOs and/or UUSCOs.
- Metals exceeded RRSCOs in two soil samples at depths of 2-4 and 5-7 ft bls. Exceedances of RRSCOs included barium and lead. Additional metals exceedances that were below RRSCOs but above PGWSCOs and/or UUSCOs included copper, zinc, and mercury at depths ranging from 0 to 7 ft bls, with one mercury exceedance at 15-17 ft bls.
- No pesticides were detected above RRSCOs. Several soil samples collect at depths ranging from 0-2 to 5-7 ft bls exceeded PGWSCOs and/or UUSCOs for 4,4'-DDD, 4,4'-DDE, 4.4'-DDT, and dieldrin.
- There were no exceedances of RRSCOs for PCBs. Two soil samples (SB-01 at 0-2 ft bls and SB-10 at 4-6 ft bls) exceeded UUSCOs for PCBs. No soil samples exceeded PGWSCOs for PCBs as part of the Phase II ESA.

Soil exceedances are depicted on **Figure 6**.

**Groundwater**

Three groundwater samples were collected from two temporary onsite monitoring wells (GW-01 and GW-02) and one existing offsite monitoring well (GW-03) located on the sidewalk along Chester Street as part of the

Phase II ESA. Samples were analyzed for TCL VOCs, TCL SVOCs, TAL metals (total and dissolved), pesticides, and PCBs. All groundwater samples were compared to NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs). The following Site conditions were identified upon evaluation of the findings:

- VOCs exceeded AWQSGVs in one sample from an offsite monitoring well (GW-03) located in the sidewalk on the northwest side of the Site for tetrachloroethene (PCE).
- SVOCs exceeded AWQSGVs in one sample (GW-02) for benzo(b)fluoranthene.
- All three groundwater samples exceeded AWQSGVs for total and dissolved metals. Total metals exceedances included arsenic, barium, beryllium, chromium, copper, iron, lead, magnesium, manganese, nickel, selenium, sodium, and thallium. Exceedances for dissolved metals, however, were limited to manganese and sodium, which are assumed to be naturally occurring. Dissolved thallium also exceeded AWQSGVs in one groundwater sample, however, thallium was detected at only low-level estimated values in three soil samples during the Phase II ESA. This exceedance is likely due an offsite source of thallium in groundwater.
- Pesticides and PCBs were not detected above AWQSGVs.

Groundwater exceedances are depicted on **Figure 7**.

**Soil Vapor**

Four soil vapor samples were collected from temporary soil vapor sampling points and analyzed for VOCs as part of the Phase II ESA. Several VOCs were detected at multiple locations, including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 1,3-butadiene, 2,2,4-trimethylpentane, 2-butanone, 2-hexanone, 4-methyl-2-pentanone, acetone, benzene, carbon disulfide, chloromethane, cyclohexane, dichlorodifluoromethane, ethyl alcohol, ethylbenzene, heptane, isopropyl alcohol, n-hexane, xylenes, tert-butyl-alcohol, tetrahydrofuran, toluene, and trichlorofluoromethane. The highest concentration of petroleum-related VOCs was detected at SV-03 located along Rockaway Avenue, which are below the sub-slab concentrations included in Matrices D, E, and F. Chlorinated VOCs (CVOCs) subject to the NYSDOH Soil Vapor/Indoor Air matrices were also detected, including 1,1,1-trichloroethane (1,1,1-TCA), PCE, and methylene chloride all of which are included on Matrix B as summarized below:

*Matrix B Compounds*: PCE, 1,1,1-TCA, methylene chloride.

- Maximum concentration of 1,1,1-TCA was detected at soil vapor sample SV-4 with a concentration of 9.88 ug/m3.
- Maximum concentration of PCE was detected at soil vapor sample SV-2 with a concentration of 1.79 ug/m3.
- Maximum concentration of methylene chloride was detected at soil vapor sample SV-3 with a concentration of 7.78 ug/m3.

A direct comparison to the NYSDOH matrices cannot be made because only soil vapor samples were collected as part of the Phase II ESA. However, none of these levels exceed the sub-slab concentrations in the matrices if these concentrations in the collected samples were considered to have been collected as sub-slab vapor samples.

Detections of analytes in soil vapor are depicted on **Figure 8**.

### 2.3.3 Supplemental Investigation (SI), performed by Roux in November 2022

As documented in the NYSDEC-approved RIWP, dated June 26, 2023, Roux performed an SI from November 17 to November 28, 2022, to further characterize the environmental conditions at the Site and supplement the analytical data previously provided to NYSDEC as part of the BCP application, dated March 2022. The scope of work included the completion of 12 soil borings, collection of 24 soil samples, installation, and sampling of two permanent monitoring wells, and the installation of four soil vapor points. Similar to previous investigations, groundwater was encountered at approximately 39 ft bls. Subsurface materials generally contained fill materials (consisting of brick, concrete, wood, organics, plastic, metal, ceramic, and glass), to varying depths ranging from 5 to 15 feet ft bls. Fill materials overlie native dark brown sand with lesser quantities of silt, gravel, and cobbles.

A summary of findings of detected compounds and comparison to 6 NYCRR Part 375-6.8(a-b) UUSCOs, RRSCOs, and PGWSCOs for soil, AWQSGVs for groundwater, and NYSDOH Guidance for soil vapor is provided below.

**Soil Results**

A total of 24 soil samples were collected in laboratory-supplied containers and submitted for analysis of Part 375 SVOCs via United States environmental Protection Agency (USEPA) method 8270E, and Part 375/TAL metals + mercury via USEPA method 6020B and 7471B. Two of the 24 soil samples (RXSB-11 and RXSB-12) were also analyzed for Part 375/TCL VOCs via USEPA method 8260D.

There were no VOC exceedances of UUSCOs, RRSCOs, or PGWSCOs. The following SVOCs and metals exceeded the 6 NYCRR Part 375-6.8(a-b) RRSCOs and/or UUSCOs:

- SVOCs exceeded their applicable UUSCOs and RRSCOs in 13 soil samples and exceeded PGWSCOs in 12 soil samples at depths ranging from 0-8 ft bls. Exceedances of UUSCOs, RRSCOs, and PGWSCOs included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene and/or indeno(1,2,3-c,d)pyrene.
- Metals exceeded UUSCOs in 21 soil samples, RRSCOs in 13 soil samples, and PGWSCOs in 6 soil samples at depths ranging from 0-8 ft bls. Exceedances of UUSCOs, RRSCOs, and PGWSCOs included arsenic, barium, cadmium, total chromium, copper, lead mercury, nickel, and/or zinc.

Soil exceedances are depicted on **Figure 6**.

**Groundwater**

As part of the SI, a total of two groundwater samples were collected in laboratory-supplied containers and submitted for analysis of Part 375/TCL VOCs via USEPA method 8260D, Part 375/TCL SVOCs + 1,4-dioxane via USEPA method 8270E, and Part 375/TAL metals + mercury (total and dissolved) via USEPA method 6020B and 7470A.

There was only one VOC exceedance of AWQSGVs for chloroform, and no exceedances of AWQSGVs for SVOCs, total metals or dissolved metals.

Groundwater exceedances are depicted on **Figure 7**.

**Soil Vapor**

A total of four soil vapor samples were collected in laboratory-supplied containers and submitted for analysis of VOCs via USEPA method TO-15.

Soil vapor samples collected showed low levels of VOCs. The following analytes were detected in soil vapor samples that were collected as part of the November 2022 SI:

- 1,1,1-trichloroethane, 1,1,2-trichloro-1,2,2-trifluoroethane, 1,2,4-trimethylbenzene, 1,2-dichlorotetrafluoroethane, 1,3,5-trimethylbenzene, 1,3-butadiene, 2,2,4-trimethylpentane, 2-chlorotoluene, 2-hexanone, 4-ethyltoluene, acetone, benzene, butane, carbon disulfide, carbon tetrachloride, chloroform, chlorodifluoromethane, chloromethane, cyclohexane, dichlorodifluoromethane, ethylbenzene, n-heptane, isopropylbenzene, n-hexane, m,p-xylenes, methyl ethyl ketone, methylene chloride, n-propylbenzene, o-xylene, sec-butylbenzene, styrene, tetrachloroethylene, toluene, and trichlorofluoromethane.

Detections of analytes in soil vapor are depicted on **Figure 8**. Soil vapor intrusion is not a concern for the Site and mitigation measures are not proposed.

All data collected as part of the previous investigations are provided in **Tables 1** through **13** and the sample locations are shown on **Figure 3**.

# 3. Remedial Investigation Field Activities

The RI scope of work was completed in accordance with the RIWP dated June 26, 2023, and associated project plans including the Health and Safety Plan (HASP), Quality Assurance Project Plan (QAPP)/Field Sampling Plan (FSP), and Community Air Monitoring Plan (CAMP). All work was performed in accordance with NYSDEC DER-10 and the NYSDOH Guidance. The investigation was conducted between December 6, 2023 and January 11, 2024.

Previous soil, groundwater, and soil vapor analytical data developed by VHB and Roux were evaluated by Roux during the RIWP preparation and RI implementation. The soil and groundwater data generated in the Phase II ESA and SI contained data gaps that were addressed during the RI. The soil vapor data previously collected during the Phase II ESA and SI has fully characterized the onsite conditions, did not identify any soil vapor concerns, and therefore no additional soil vapor samples were collected during the RI, as documented in the RIWP approved by NYSDEC on July 27, 2023.

The scope of work for the RI included the following:

- The performance of Site reconnaissance to confirm proposed sampling locations;
- The performance of a geophysical survey to identify any underground anomalies and clear boring locations of potential subsurface obstructions;
- The advancement of 13 soil borings and collection of 59 soil samples which were analyzed for the full-suite of contaminants (VOCs, SVOCs, metals, PCBs, per- and polyfluoroalkyl substances (PFAS), and pesticides).
- Installation of one groundwater monitoring well and collection of one groundwater sample from the newly installed permanent monitoring well, which was analyzed for the full-suite of contaminants
- Collection of two groundwater samples from the existing permanent monitoring wells installed during the SI, which were also analyzed for the full-suite of contaminants
- The collection of soil and groundwater samples sufficient to define the nature and extent of impacted media and current Site conditions;
- The collection of groundwater level measurements and land survey data as needed for developing a groundwater elevation contour map; and
- The performance of a qualitative exposure assessment to identify exposure pathways and evaluate contaminant fate and transport.

A site plan showing all the sample locations from the RI is included in **Figure 3**.

The RIR, submitted under separate cover, details all RI implementation field activities. All data was produced in accordance with NYSDEC Analytical Services Protocol (ASP) Category B deliverables and was reviewed and validated by Data Validation Services, a party independent of the project team, in a Data Usability Summary Report (DUSR) before being incorporated into the RIR for the Site. All data was submitted to NYSDEC in electronic format, in accordance with DER-10, Section 1.15.

# 4. Remedial Investigation Results

The following section provides a summary of the geological and hydrogeological findings, and the soil, and groundwater 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 **13**. All onsite soil, groundwater, and soil vapor analytical data are provided as **Figures 6** through **8**.

## 4.1 Significant Threat

The NYSDEC and NYSDOH have determined that this Site does not pose a significant threat to human health and the environment.

## 4.2 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.

### 4.2.1 Local Geology and Stratigraphy

Based on the field observations during the RI implementation, the Site is underlain by fill (consisting of sand, gravel, brick, concrete, wood, organics, plastic, metal, ceramic, and glass) to depths ranging from 4 to 17 ft bls. Fill materials overlie native sand with varying amounts of gravel, silt, and cobbles, shown on cross sections on **Figure 9**. Soil boring logs are provided in **Appendix C**. During a geotechnical investigation performed at the Site in 2020, geotechnical soil borings reached a maximum depth of 100 ft bls and bedrock was not encountered. Based on the Bedrock-Surface Elevation and Overburden Thickness Maps of the Five Boroughs, New York City, New York prepared by the USGS, bedrock in the area near the Site could be as deep at 400 ft bls.

### 4.2.2 Site Hydrogeologic Setting

According to water-level data collected from the permanent wells on December 21, 2023, the elevation of the water table surface at the Site ranged from 8.20 ft to 9.19 ft NAVD 88, which equates to a groundwater depth of 38.20 ft bls to 39.50 ft bls. Groundwater gauging data is included as **Table 14**. A groundwater flow map is provided in **Figure 10** and it shows that the flow is generally to the south-southeast.

## 4.3 Remedial Investigation Sample Results

The following sections summarize soil and groundwater data that was generated by Roux during the RI. Data tables showing the sample data generated during these events are provided in **Tables 1** through **13**.

### 4.3.1 RI Soil Sampling Results

A total of 59 soil samples, two field duplicates, and two matrix spike/matrix spike duplicate soil samples were analyzed from 13 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.

Laboratory analytical data generated for soil is summarized in **Tables 1** through **6**. Soil boring locations with soil sample exceedances of the NYSDEC Subpart 375-6 SCOs are shown on **Figure 6**.

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

#### 4.3.1.1 Volatile Organic Compounds in Soil

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

**VOC Exceedances of SCOs in Soil**

| Analyte | UUSCO (mg/kg) | Detections above UUSCOs | RRSCOs (mg/kg) | Detections above RRSCOs | PGWSCOs (mg/kg) | Detections above PGWSCOs | Range in Concentration Above SCOs (mg/kg) | Soil Sample with Maximum Detection |
|---|---|---|---|---|---|---|---|---|
| Total Xylenes | 0.26 | 1 | 100 | - | 1.6 | 1 | 6.7 | RX-18 (2-6 inches) |

- No exceedances detected

This very low VOC exceedance of UUSCOs is not indicative of any source within the Site boundary.

#### 4.3.1.2 Semivolatile Organic Compounds in Soil

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

**SVOC Exceedances of SCOs in Soil**

| Analyte | UUSCO (mg/kg) | Detections above UUSCOs | RRSCOs (mg/kg) | Detections above RRSCOs | PGWSCOs (mg/kg) | Detections above PGWSCOs | Range in Concentration Above SCOs (mg/kg) | Soil Sample with Maximum Detection (ft bls) |
|---|---|---|---|---|---|---|---|---|
| 4-Methylphenol (P-Cresol) | 0.33 | 1 | 100 | - | 0.33 | 1 | 0.7 J | RXSB-23 (6-8) |
| Acenaphthene | 20 | 1 | 100 | - | 98 | - | 30 | RXSB-23 (6-8) |
| Benzo[a]anthracene | 1 | 15 | 1 | 15 | 1 | 15 | 1.1 – 130 | RXSB-23 (6-8) |
| Benzo[a]pyrene | 1 | 17 | 1 | 17 | 22 | 4 | 1.1 – 140 | RXSB-23 (6-8) |
| Benzo[b]fluoranthene | 1 | 18 | 1 | 18 | 1.7 | 13 | 1.2 – 130 | RXSB-23 (6-8) |
| Benzo[k]fluoranthene | 0.8 | 12 | 3.9 | 6 | 1.7 | 1 | 0.83 – 30 | RXSB-23 (6-8) |
| Chrysene | 1 | 16 | 3.9 | 8 | 1 | 1 | 1.1 – 120 | RXSB-23 (6-8) |
| Dibenz(A,H)Anthracene | 0.33 | 10 | 0.33 | 10 | 1000 | - | 0.34 –8.3 | RXSB-23 (6-8) |
| Dibenzofuran | 7 | 1 | 59 | - | 210 | - | 26 | RXSB-23 (6-8) |
| Fluoranthene | 100 | 1 | 100 | 1 | 1000 | - | 260 | RXSB-23 (6-8) |
| Fluorene | 30 | 1 | 100 | - | 386 | - | 51 | RXSB-23 (6-8) |
| Indeno [1,2,3-cd] pyrene | 0.5 | 21 | 0.5 | 21 | 8.2 | 3 | 0.56 – 38 | RXSB-23 (6-8) |
| Naphthalene | 12 | 1 | 100 | - | 12 | 1 | 54 | RXSB-23 (6-8) |
| Phenanthrene | 100 | 1 | 100 | 1 | 1000 | - | 290 | RXSB-23 (6-8) |
| Pyrene | 100 | 1 | 100 | 1 | 1000 | - | 210 | RXSB-23 (6-8) |

-No exceedances detected
J – Estimated value
Sample counts above include exceedances in the duplicates

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

#### 4.3.1.3 Metals in Soil

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

**Metal Exceedances of SCOs in Soil**

| Analyte | UUSCO (mg/kg) | Detections above UUSCOs | RRSCOs (mg/kg) | Detections above RRSCOs | PGWSCOs (mg/kg) | Detections above PGWSCOs | Range in Concentration Above SCOs (mg/kg) | Soil Sample with Maximum Detection (ft bls) |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 13 | 1 | 16 | 1 | 16 | 1 | 17.1 | RXSB-23 (4-6) |
| Barium | 350 | 8 | 400 | 8 | 820 | 4 | 504 – 5680 | RXSB-23 (4-6) |
| Cadmium | 2.5 | 1 | 4.3 | 1 | 7.5 | - | 7.3 | RXSB-23 (4-6) |
| Chromium III | 30 | 4 | 180 | - | - | - | 30.6 –48.4 | RXSB-18 (8-10) |
| Chromium, Total | 30 | 6 | 180 | - | - | - | 30.6 – 48.4 | RXSB-23 (4-6) |
| Copper | 50 | 2 | 270 | - | 1720 | - | 72.8 – 123 | RX-23 (0-2) |
| Lead | 63 | 26 | 400 | 5 | 450 | 3 | 68.1 – 3270 | RX-13 (10-12) |
| Mercury | 0.18 | 20 | 0.81 | 2 | 0.73 | 2 | 0.21 – 1.8 | RX-19 (4-6) |
| Nickel | 30 | 5 | 310 | - | 130 | 1 | 68.2 | RX-24 (0-2) |
| Silver | 2 | 2 | 180 | - | 8.3 | - | 2.1-3.3 | RX-24 (0-2) |
| Zinc | 109 | 25 | 10000 | - | 2480 | 1 | 113 – 3000 | RX-23 (4-6) |

-No exceedances detected/no SCO available
Sample counts above include exceedances in the duplicates

The metals detected in soil are indicative of contaminated historic fill.

#### 4.3.1.4 Polychlorinated Biphenyls in Soil

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

**PCB Exceedances of SCOs in Soil**

| Analyte | UUSCO (mg/kg) | Detections above UUSCOs | RRSCOs (mg/kg) | Detections above RRSCOs | PGWSCOs (mg/kg) | Detections above PGWSCOs | Range in Concentration Above SCOs (mg/kg) | Soil Sample with Maximum Detection (ft bls) |
|---|---|---|---|---|---|---|---|---|
| PCBs | 0.1 | 2 | 1 | - | 3.2 | - | 0.14 | RX-16 (0-2 inches)/ RXSB-16_WC-D-1 (0-2) |

-No exceedances detected

The PCBs detected in soil are indicative of contaminated fill material.

#### 4.3.1.5 Pesticides in Soil

A summary of the RI only pesticides and herbicides exceedances in the soil samples analyzed is provided below:

**Pesticide Exceedances of SCOs in Soil**

| Analyte | UUSCO (mg/kg) | Detections above UUSCOs | RRSCOs (mg/kg) | Detections above RRSCOs | PGWSCOs (mg/kg) | Detections above PGWSCOs | Range in Concentration Above SCOs (mg/kg) | Soil Sample with Maximum Detection (ft bls) |
|---|---|---|---|---|---|---|---|---|
| P,P'-DDE | 0.0033 | 5 | 8.9 | - | 17 | - | 0.0034 J – 0.29 | RX-21 (0-2 inches) |
| P,P'-DDD | 0.0033 | 2 | 13 | - | 14 | - | 0.0034 J – 0.0057 J | RX-20 (0-2 inches) |
| P,P'-DDT | 0.0033 | 9 | 7.9 | - | 136 | - | 0.0051 J – 1.2 | RX-21 (0-2 inches) |

-No exceedances detected
J – Estimated value

The pesticides detected in soil are limited to the shallow 0-2 ft or 0-2 inch interval and may be a result of historical pesticide application.

#### 4.3.1.6 PFAS in Soil

A summary of the RI only PFAS exceedances of the soil cleanup guidance in the soil samples analyzed is provided below.

**PFAS Exceedances in Soil**

| Analyte | Unrestricted Use Soil Guidance Value (µg/kg) | Detections above Unrestricted Use Soil Guidance Values | Restricted Residential Soil Guidance Value (µg/kg) | Detections above Restricted Residential Soil Guidance Values | Protection of Groundwater Soil Guidance Value (µg/kg) | Detections above Protection of Groundwater Soil Guidance Values | Range in Concentration Above Soil Guidance Values (µg/kg)* | Soil Sample with Maximum Detection (ft bls) |
|---|---|---|---|---|---|---|---|---|
| Perfluorooctanoic Acid (PFOA) | 0.66 | 2 | 33 | - | 0.8 | 2 | 0.85-1.59 | RXSB-20 (4-6) |
| Perfluorooctanesulfonic acid (PFOS) | 0.88 | 7 | 44 | - | 1 | 6 | 2.38 | RXSB-16_WC-D-1 (0-2) |

* 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.

PFOA and PFOS were only detected in a few samples during the RI. There is no documented use of PFAS at the Site and known historical Site use that would indicate the past use of these compounds. Therefore, the presence of PFAS is due to background levels of these compounds in New York City.

### 4.3.2 Groundwater Sampling Results

A total of three groundwater samples and one field duplicate sample were collected during the RI from three permanent groundwater monitoring wells onsite. 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 because drinking groundwater in New York City is prohibited by local law.

Field parameters measured during groundwater sampling purging activities are provided on field datasheets included in **Appendix D** of the RIR. The field parameter data was reviewed to evaluate any potential anomalies in general groundwater chemistry that could potentially influence 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. An evaluation of groundwater detections is provided in the below sections.

Laboratory analytical data generated for groundwater is summarized in **Tables 7** through **12**. Monitoring well locations with groundwater sample exceedances of AWQSGVs are shown on **Plate 2**.

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

#### 4.3.2.1 Volatile Organic Compounds in Groundwater

There were no RI VOC exceedances in the groundwater samples, as shown on **Figure 7**.

#### 4.3.2.2 Semivolatile Organic Compounds in Groundwater

There were no RI SVOC exceedances in the groundwater samples, as shown on **Figure 7**.

#### 4.3.2.3 Metals in Groundwater

A summary of the metals exceedances in the groundwater samples analyzed is provided below, and is shown on **Figure 7**:

**Metals Exceedances of AWQSGVs in Groundwater**

| | Analyte | AWQSGVs (µg/L) | Detections above AWQSGVs | Range in Concentration Above AWQSGVs (µg/L) | Sample with Maximum Detection |
|---|---|---|---|---|---|
| **Total** | Selenium | 10 | 2 | 10.4-10.9 | RXMW-1 DUP |
| | Iron | 300 | 3 | 684-1330 | RXMW-1 |
| | Sodium | 20,000 | 4 | 35,700 – 163,000 | RXMW-2 |
| **Dissolved** | Selenium | 10 | 2 | 11.0-11.3 | RXMW-1 DUP |
| | Sodium | 20,000 | 4 | 35,400 – 159,000 | RXMW-2 |

Sample counts above include exceedances in the duplicates.

All of the metals detected at concentrations above AWQSGVs in the filtered samples are naturally occurring.

#### 4.3.2.4 Polychlorinated Biphenyls in Groundwater

PCBs were not detected in any RI groundwater samples, as shown on **Figure 7**.

#### 4.3.2.5 Pesticides in Groundwater

Pesticides were not detected in any RI groundwater samples, as shown on **Figure 7**.

#### 4.3.2.6 PFAS in Groundwater

A summary of the exceedances of the GVs for PFOS and PFOA collected during the RI are provided in the below table, and as shown on **Figure 7**:

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

| Analyte | Proposed GVs (ng/L) | Detections Above GVs | Detection Range (ng/L)* | Groundwater Sample with Maximum Detection |
|---|---|---|---|---|
| Perfluorooctanesulfonic Acid (PFOS) | 2.7 | 4 | 4.51 – 127 | RXMW-3 |
| Perfluorooctanoic Acid (PFOA) | 6.7 | 4 | 53.6 – 93.7 | RXMW-3 |

Sample counts above include exceedances in the duplicates.

There is no documented use of PFAS at the Site and known historical Site use that would indicate the past use of these compounds. Therefore, the presence of PFAS is due to background levels of these compounds commonly observed in New York City.

### 4.3.3 Soil Vapor Results

The soil vapor data previously collected during the Phase II ESA and SI has fully characterized the onsite conditions, did not identify any soil vapor concerns, and therefore no additional soil vapor samples were collected during the RI, as indicated in the RIWP approved by NYSDEC on July 27, 2023. A discussion of the soil vapor analytical data collected during the Phase II ESA and SI is included in Section 2.3.

### 4.3.4 Data Usability Summary and Field Duplicate Results

Data validation was performed on all data collected during the RI 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 E** of the RIR. An electronic data deliverable (EDD) in the required NYSDEC format was/will be provided by the laboratory. A DUSR, in accordance with Appendix 2B of DER-10, is provided in **Appendix F** of the RIR.

### 4.3.5 Investigation Derived Waste

All soil cuttings generated were returned to the borehole. Excess purged groundwater was drummed, labelled, and will be disposed of during the remedial action. Two drums of non-hazardous groundwater were generated. Onsite drums are staged onsite awaiting proper offsite disposal. All wastes generated during the RI will be handled, transported, and disposed of in a manner consistent with Federal, State, and local laws and regulations.

# 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 4.3, soil is impacted at the Site, but groundwater is not significantly impacted. The spatial distribution of contaminants of potential concern in various media is shown in **Figures 6** through **8**.

As discussed in Section 4.3.1 and based on the Site-wide detections and exceedances of UUSCOs, soil at the Site is impacted with VOCs, SVOCs (exclusively PAHs), metals, pesticides, and PCBs, likely due to historic fill material across the Site. The historic fill material present across the Site is a result of multiple rounds of construction and demolition of onsite structures that occurred from the 1960s to the 1980s, during which demolition materials were deposited on the Site. For this reason, onsite historic fill has been identified as an Area of Concern (AOC) for the Site. Soil analytical data from soil boring RXSB-23 yielded particularly high concentrations of PAHs, order of magnitude above the UUSCOs and RRSCOs, indicating a potentially different filling source or event.

As discussed in Section 4.3.2, groundwater is not significantly impacted. Some metal exceedances were identified in both soil and groundwater. However, these metals are naturally occurring and metals in soil are not a significant source of groundwater contamination at the Site. Dissolved thallium also exceeded AWQSGVs in one groundwater sample collected during the Phase II ESA, however thallium was detected at only low-level estimated values in three soil samples during the Phase II ESA. This exceedance is likely due an offsite source of thallium in groundwater. Thallium was not detected in groundwater during the RI.

PFAS compounds were detected in both soil and groundwater. PFAS is a common ingredient in upholstery treatments to protect fabric from staining and water damage and could have been present at the historical furniture upholstery shops located on former lots 48, 54, 56 & 57 at the Site. However, based on concentrations detected during the RI, the presence of PFAS at this site is most likely due to background levels of these compounds ubiquitous to the New York City area rather than a release as a result of past operations at the Site.

During the VHB 2020 Phase II ESA and the Roux 2022 SI, petroleum-related and chlorinated VOCs were detected in soil vapor samples at relatively low levels across the Site. The relatively low-level concentrations of petroleum-related and chlorinated VOCs, combined with the absence of these compounds in groundwater and soil, indicate it is unlikely there is an onsite source of soil vapor impacts. Soil vapor intrusion is not currently a concern for the Site; however mitigation measures are proposed should post-construction sub-slab and indoor air analytical data indicate mitigation is necessary.

# 6. Qualitative Human Health Exposure Assessment

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

## 6.1 Soil Exposure

As described above in Section 4.3.1, soil samples collected during the RI indicated the presence of one VOC at a low level concentration, SVOCs (exclusively PAHs), metals, pesticides, PCBs, PFOS and PFOA at concentrations above the UUSCOs or GVs. 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 have not been and 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 onsite exposures and offsite exposures from soil/dust/vapor leaving the Site. A CHASP will be implemented, and appropriate PPE will be utilized to prevent onsite worker exposure.

Substantial remedial excavation will occur to remove onsite contaminated soil. The proposed remedy described in the RAWP includes addressing impacted soil through excavation to meet the UUSCOs to the extent feasible. In the event that areas of the Site are not remediated to UUSCOs, achievement of the Track 4 RRSCOs will be the goal at a minimum, and institutional controls (i.e. Site Management Plan [SMP] and environmental easement) will be put in place to the extent required to minimize the potential for exposure by direct contact with remaining contamination by both the public and any future construction workers performing ground intrusive activities at the Site.

## 6.2 Groundwater Exposure

As described above in Section 4.3.2, groundwater samples collected during the RI indicated that metals and PFOS/PFOA are present at concentrations above the AWQSGVs. Exceedances for dissolved metals, however, were limited to selenium and sodium, which are assumed to be naturally occurring. Dissolved thallium also exceeded AWQSGVs in one groundwater sample collected during the Phase II ESA, however thallium was detected at only low-level estimated values in three soil samples during the Phase II ESA. This exceedance is likely due an offsite source of thallium in groundwater. Thallium was not detected in groundwater during the RI. 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 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. However, due to the depth of

groundwater onsite, which ranges from 38.20 ft bls to 39.50 ft bls across the Site, it is not anticipated to be encountered during excavation.

The proposed onsite buildings will be serviced by public water supply. Based on this, there is no potential for public exposure by direct contact with contaminated groundwater.

## 6.3 Soil Vapor Exposure

As described above in Section 2.6, soil vapor samples were collected during the VHB Phase II ESA and Roux SI. Soil vapor analytical results from the previous investigations indicate the presence of low-level petroleum-related VOCs and Chlorinated VOCs (CVOCs) across the Site. The CVOC detections were consistently below mitigate action levels with the exception of one detection of trichloroethene which was not detected in any soil or groundwater samples collected at the Site. All petroleum related compounds were below the sub-slab concentrations included in Matrices D, E, and F. Low-level soil vapor detections likely originate from offsite sources due to the absence of these compounds in onsite soil and groundwater. 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 is not currently a concern for the Site, however sub-slab depressurization system piping will be installed beneath the 20-mil vapor barrier/waterproofing membrane for future potential vapor mitigation should the post-construction sub-slab and indoor air sample analytical data indicate mitigation is necessary.

## 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.<br>• 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 for future occupants of the Site and surrounding neighborhood.<br>• Future building occupant's exposure will be eliminated though addressing contaminated soil as described in the RIR and RAWP. Substantial remedial excavation will occur to remove onsite contamination. The proposed remedy will be described in the RAWP and includes addressing impacted soil through excavation to meet RRSCOs and/or UUSCOs. |
| 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.<br>• 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. |

| Environmental Media and Exposure Route | Human Exposure Assessment |
|---|---|
| | • 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.<br>• 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.<br>• A soil vapor intrusion evaluation will be completed. The evaluation will be summarized in the FER and will include a desktop review of all onsite analytical data relative to the future uses of the property and co-located sub-slab and indoor air samples. Sub-slab depressurization system piping will be installed beneath the 20-mil vapor barrier/waterproofing membrane for future potential vapor mitigation. |

# 7. Remedial Action Objectives

The goal of the remedy selection process in the BCP is to select a remedy for a site that is protective of public health and the environment, taking into account the current, intended and reasonably anticipated land use of the site. Consistent with Part 375, the proposed remedies for the Site will be fully protective of public health and the environment, taking into account the current, intended, and potential future land use. Based on the results of the Remedial Investigation, the following RAOs have been identified for this Site:

## 7.1 Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would results in groundwater or surface water contamination.

## 7.2 Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards.

RAOs for Environmental Protection

- Remove the source of ground or surface water contamination.

## 7.3 Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at the Site.

# 8. Description of Remedial Action Plan

The following is a detailed description of the alternatives analysis and remedy selection process to address impacted media on the Site.

This section of the RAWP was prepared in accordance with Subpart 375 – 3.8(f), Subpart 375 – 1.8(f), and Section 4.3 of DER-10. Three remedial alternatives were evaluated, as follows:

- One alternative (Remedial Alternative 1) that will achieve an Unrestricted Use cleanup relative to all onsite-S soil (Track 1), as shown on **Figure 11**, without the use of institutional controls (ICs) or engineering controls (ECs);
- One alternative (Remedial Alternative 2) that will achieve a combined Track 1 Unrestricted Use/ Track 4 Restricted Residential Use cleanup for the Site, as shown on **Figure 12**. It will achieve a Track 1 Unrestricted Use cleanup for the building footprint and a Track 4 Restricted Residential Use cleanup for areas outside of the building footprint, coupled with the use of ICs and ECs; and
- One alternative (Remedial Alternative 3) that will achieve a combined Track 2 Restricted Residential Use/Track 4 Restricted Residential Use cleanup for the Site, as shown on **Figure 13**. It will achieve a Track 2 Restricted Residential Use cleanup for the building footprint and a Track 4 Restricted Residential Use cleanup for areas outside of the building footprint, coupled with the use of ICs and ECs.

A detailed description of the alternatives is provided below.

*Remedial Alternative 1: Track 1 Unrestricted Use Cleanup (**Figure 11**):*

1. Installation of support of excavation (SOE) to reach the proposed remedial excavation depths to meet Track 1 and prevent damage to adjacent offsite structures.
2. Preparation and implementation of a Pre-Design Investigation (PDI) work plan, in order to collect soil samples to determine remediation excavation depths throughout the Site.
3. Excavation and offsite disposal of approximately 13,000 in-place cubic yards (CY) of soil (i.e., all soil exceeding UUSCOs) over the entire Site. The remedial excavation depth will range from 6 to 17 ft bls (actual volume is subject to change based on field conditions, results of the PDI, and post-excavation endpoint sampling).
4. Collection and analysis of excavation bottom endpoint samples at a frequency of one per 900 square feet and sidewall endpoint samples will be collected at hot spot excavations only at a frequency of approximately one per 30 linear feet to evaluate the performance of the remedy with respect to attainment of Track 1 SCOs and to properly document the remaining onsite soil quality. Confirmation samples will be collected following completion of onsite excavation for remedial and redevelopment purposes in order to ensure UUSCOs have been met and to properly document the remaining onsite soil quality.
5. Clean fill meeting the UUSCOs will be brought in to replace the excavated soil and establish the designed grades at the Site, if required.
6. Post-construction co-located sub-slab and indoor air samples will be collected. Three sub-slab vapor monitoring points will be installed in conjunction with slab construction and vapor barrier installation to avoid damaging the 20-mil vapor barrier/waterproofing membrane.
7. A sub-slab depressurization system piping will be installed in conjunction with slab construction and vapor barrier installation. Installing the sub-slab depressurization system during construction will avoid damaging the 20-mil vapor barrier/waterproofing membrane during a potential retrofit construction. The sub-slab depressurization system will be installed to mitigate potential vapor intrusion, should the post-construction sub-slab and indoor air sample analytical data indicate mitigation is necessary.

8. As part of the Track 1 Unrestricted Use cleanup , a soil vapor intrusion evaluation that will include sampling will be completed. The evaluation will include a provision for implementing actions recommended to address exposures related to soil vapor intrusion.

*Remedial Alternative 2: Combined Track 1 Unrestricted Use/Track 4 Restricted Residential Use Cleanup (**Figure 12**):*

1. Installation of SOE to reach the proposed remedial excavation depths.
2. Preparation and implementation of a PDI work plan, in order to collect soil samples to determine remediation excavation depths throughout the Site.
3. Excavation and offsite disposal of a total of approximately 11,500 in-place CY of soil (10,230 CY from the Track 1 Remedial area of the Site and 1,270 CY of soil from the Track 4 Remedial area of the Site). The remedial excavation depth will range from 6 to 17 ft bls in the Track 1 Remedial area and 2 to 10 ft bls in the Track 4 Remedial area (actual volume is subject to change based on field conditions, results of the PDI, and post-excavation endpoint sampling).
4. Collection and analysis of post-excavation bottom endpoint samples at a frequency of one per 900 square feet to document that the SCOs were met in the Track 1 Remedial Area. Confirmation samples will be collected following completion of onsite excavation for remedial and redevelopment purposes in order to ensure UUSCOs have been met and to properly document the remaining onsite soil quality. Sidewall samples will be collected from the boundaries of the Track 1 and Track 4 Remedial Areas at a frequency of one sidewall sample per 30 linear feet. Bottom documentation samples will be collected at a frequency of one per 2,000 square feet in the Track 4 Remedial Area for documentation purposes.
5. Clean fill meeting the UUSCOs in the Track 1 Remedial Area and meeting the lower of PGWSCOs or RRSCOs in the Track 4 Remedial area will be brought in to replace the excavated soil and establish the designed grades at the Site, if required.
6. Post-construction co-located sub-slab and indoor air samples will be collected. Three sub-slab vapor monitoring points will be installed in conjunction with slab construction and vapor barrier installation to avoid damaging the 20-mil vapor barrier/waterproofing membrane.
7. A sub-slab depressurization system piping will be installed in conjunction with slab construction and vapor barrier installation. Installing the sub-slab depressurization system during construction will avoid damaging the 20-mil vapor barrier/waterproofing membrane during a potential retrofit construction. The sub-slab depressurization system will be installed to mitigate potential vapor intrusion, should the post-construction sub-slab and indoor air sample analytical data indicate mitigation is necessary.
8. As part of the Combined Track 1 Unrestricted Use/Track 4 Restricted Residential Use cleanup, a soil vapor intrusion evaluation will be completed based on a review of RI data, post-remedial soil endpoint confirmation data and other elements (e.g., building foundation depth, use of waterproofing membrane/vapor barrier as a construction element, etc.). The evaluation will include a provision for implementing actions recommended to address exposures related to soil vapor intrusion.
9. A Site Cover System comprised of a concrete building slab and foundation walls, concrete paver covered walkways underlain with a concrete slab, and landscaped areas (which will include a minimum of two feet of cover over existing Site soil) in the Track 4 Remedial Area. A physical demarcation layer, consisting of the underside of concrete slab, the underside of the concrete slab associated with the concrete paver walkways and a geotextile layer or equivalent in landscaped areas will be used to provide a visual reference above residual contamination.
7. Imposition of an institutional control in the form of an Environmental Easement for the portions of the Site that do not achieve a Track 1 Unrestricted Use cleanup to ensure proper Site use and to prevent future exposure to any residual contamination remaining in these areas.
    - requires the remedial party or Site owner to complete and submit to the NYSDEC a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

- allows the continued use and development of the controlled property for restricted residential (or less restrictive uses) as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or Article 141 of the NYCDOH code (groundwater restriction applies to the entire Site); and
- requires compliance with the Department approved SMP.

8. Preparation of an SMP for all portions of the Site that do not achieve a Track 1 Unrestricted Use cleanup that includes the following:
   - an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the Site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:
     - Institutional Controls: The Environmental Easement discussed above; and
   - a Monitoring Plan to assess the performance and effectiveness of the remedy, including, if necessary, monitoring for vapor intrusion for any buildings constructed on the Site.

*Remedial Alternative 3 - Contingent Combination Track 2 Restricted Residential/Track 4 Restricted Residential Use Cleanup:*

The intent of the remedy is to achieve Track 1 Unrestricted Use within the footprint of the proposed building. In the event that a Track 1 Unrestricted Use cleanup is not achieved within the footprint of the proposed building (e.g., due to technical difficulties in reaching target depths, changes in the development plans, etc.), the remedy will be modified to achieve a minimum Track 4 Restricted Residential Use cleanup. This contingent combination Track 2 Restricted Residential/Track 4 Restricted Residential cleanup will be identical to Remedial Alternative 2 summarized above with the exception of excavation within the building footprint to achieve a Track 2 Restricted Residential cleanup rather than a Track 1 Unrestricted Use cleanup:

1. Excavation and offsite disposal of approximately 9,500 in-place CY of soil within the footprint of the proposed building to achieve Track 2 Restricted Residential Use cleanup. The excavation will remove all soils exceeding RRSCOs to a maximum depth of 15 ft bls. For areas outside of the building footprint, excavation will be completed to install the cover system (i.e., Track 4 Remedial Area); some soil contamination will remain onsite above RRSCOs but exposure will be eliminated by excavation and offsite disposal which will allow for installation of the cover system . Final remedial disposal quantities will be based on confirmation endpoint samples and actual truck weights.
2. Backfill and compaction of soil meeting the lower of PGWSCOs or RRSCOs, as necessary.
3. Post-construction co-located sub-slab and indoor air samples will be collected. Three sub-slab vapor monitoring points will be installed in conjunction with slab construction and vapor barrier installation to avoid damaging the 20-mil vapor barrier/waterproofing membrane.
4. A sub-slab depressurization system piping will be installed in conjunction with slab construction and vapor barrier installation. Installing the sub-slab depressurization system during construction will avoid damaging the 20-mil vapor barrier/waterproofing membrane during a potential retrofit construction. The sub-slab depressurization system will be installed to mitigate potential vapor intrusion, should the post-construction sub-slab and indoor air sample analytical data indicate mitigation is necessary.
5. Collection and analysis of post-excavation bottom endpoint samples at a frequency of one per 900 square feet to document that the SCOs were met in the Track 2 Remedial Area and at a frequency of one per 2,000 square feet in the Track 4 Remedial Area for documentation purposes.

## 8.1 Evaluation of Remedial Alternatives

The goal of the remedy selection process under the BCP is to select a remedy that is protective of human health and the environment taking into consideration the current, intended, and reasonably anticipated future use of the property. Each remedial alternative is evaluated based on the factors listed below:

- Protection of human health and the environment;
- Compliance with standards, criteria, and guidelines (SCGs);
- Short-term effectiveness and impacts;
- Long-term effectiveness and permanence;
- Reduction of toxicity, mobility, or volume of contaminated material;
- Implementability;
- Cost effectiveness;
- Community Acceptance;
- Land use; and
- Green and Sustainable Remediation (including climate resiliency).

SCGs applicable to the Site remediation are described briefly below:

- 6 NYCRR Part 375-6 Soil Cleanup Objectives – The UUSCOs, RRSCOs, and PGWSCOs listed in the guidance were used to evaluate soils, delineate areas with impacts, and specify cleanup objectives;
- New York State Groundwater Quality Standards – 6 NYCRR Part 703 – 6 NYCRR Subpart 703; the standards listed in the guidance were used to evaluate groundwater quality, delineate areas with impacts, and specify cleanup objectives;
- NYSDEC Ambient Water Quality Standards and Guidance Values – TOGS 1.1.1 – the standards listed in the guidance were used to evaluate groundwater quality, delineate areas with impacts, and specify cleanup objectives (TOGS 1.1.1 incorporates the same standards as listed in 6 NYCRR Part 703 for the constituents of concern at the Site);
- NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation – May 2010 (or later version if available) – the proposed remedial alternatives were developed in accordance with the abovementioned document;
- NYSDEC DER-31 Green Remediation – August 2010 – The proposed remedial alternatives were developed in accordance with the abovementioned document;
- NYSDOH Generic Community Air Monitoring Plan - will be required for all ground intrusive activities, and the abovementioned document was used to prepare the CAMP;
- NYS Waste Transporter Permits – 6 NYCRR Part 364 – As the remedial alternatives include excavation and disposal of soil, the abovementioned guidance document applies;
- NYS Solid Waste Management Requirements – 6 NYCRR Part 360 and Part 364 – As the remedial alternatives include excavation and disposal of soil, the abovementioned guidance document applies;
- NYSDEC guidance regarding PFAS dated April 2023; and
- NYSDOH Guidance October 2006 and Revised 2017 and 2024, was used to develop the soil vapor sampling program.

### 8.1.1 Overall Protection of Human Health and the Environment

This criterion is an evaluation of the ability of each alternative or the remedy to protect public health and the environment.

**Remedial Alternative 1, Track 1** will be protective of human health and the environment by removing soil at the Site that exceeds the UUSCOs and backfilling the area with material meeting the UUSCOs (as necessary), thus eliminating the potential for human and environmental exposure to contaminated soil/fill once construction is complete. Groundwater is not significantly impacted, and as such, groundwater does not require remediation. Although soil vapor is not significantly impacted, a soil vapor intrusion evaluation will be completed as part of the remedy.

**Remedial Alternative 2, Combined Track 1/Track 4** will be protective of human health and the environment by excavating and removing soil above the UUSCOs within the building footprint and addressing soil exceeding RRSCOs with the use of ICs and ECs for portions of the Site not meeting Track 1. ICs including a SMP and Environmental Easement, will ensure long-term management of use restrictions for areas not meeting Track 1. Groundwater is not significantly impacted and does not require remediation. Although soil vapor is not significantly impacted, a soil vapor intrusion evaluation will be completed as part of the remedy.

For both alternatives, during Site remediation (e.g., excavation of soil, etc.) and other construction activities, workers may be exposed to impacted soil and soil vapor. Potential worker exposure during remediation activities will be mitigated through the implementation of the HASP, which includes the CAMP, and required worker training. Potential environmental exposures will be mitigated by ECs implemented during remedial construction (i.e., dust suppression, odor control and traffic control). The SMP will include ICs and ECs to be implemented during future ground intrusive work to protect the workers and public from remaining contamination onsite where Track 1 is not met.

**Remedial Alternative 3, Combined Track 2/Track 4** will also be protective of human health and the environment by excavating and removing soil above the RRSCOs within the building footprint to a maximum depth of 15 ft bls and addressing soil exceeding RRSCOs with the use of ICs and ECs.

### 8.1.2 Standards, Criteria, and Guidance

The remedy must conform to officially promulgated standards and criteria that are directly applicable or that are relevant and appropriate. The selection of a remedy must also take into consideration guidance as appropriate.

**Remedial Alternative 1** will achieve compliance with the UUSCOs for all onsite areas. The handling and management of contaminated materials will be in compliance with the applicable SCGs. The excavation will be backfilled as necessary, with material meeting the Track 1 UUSCOs presented in the Part 375 Regulations.

**Remedial Alternative 2** will achieve compliance with the UUSCOS within the building footprint and addressing soil exceeding RRSCOs with the use of ICs and ECs for portions of the Site not meeting Track 1. The handling and management of contaminated materials will be in compliance with the applicable SCGs.

**Remedial Alternative 3** will achieve compliance with the RRSCOs within the building footprint down to a maximum depth of 15 ft bls and will address soil exceeding RRSCOs with the use of ICs and ECs. The handling and management of contaminated materials will be in compliance with the applicable SCGs.

### 8.1.3 Long-Term Effectiveness and Permanence

This criterion is an evaluation of the long-term effectiveness and permanence of an alternative or remedy after implementation.

**Remedial Alternative 1** removes all impacted soil. Therefore, incremental risk from soil impacts will be eliminated, ECs and ICs are not necessary, and the remedy will continue to meet RAOs in the future, thus providing a permanent long-term solution for the Site.

**Remedial Alternative 2** removes all impacted soil above UUSCOs from within the building footprint and addresses soil exceeding RRSCOs with the use of ICs and ECs for portions of the Site not meeting Track 1. ICs including a SMP and Environmental Easement, will ensure long-term management of use restrictions for areas not meeting Track 1. The SMP will ensure long-term effectiveness of all ICs by requiring periodic inspection and certification that these controls and restrictions continue to be in place and are functioning as intended for areas not meeting Track 1.

**Remedial Alternative 3** removes all impacted soil above RRSCOs from within the building footprint down to a maximum depth of 15 ft bls and addresses soil exceeding RRSCOs with the use of ICs and ECs. ICs including a SMP and Environmental Easement, will ensure long-term management of use restrictions for the Site. The SMP will ensure long-term effectiveness of all ICs by requiring periodic inspection and certification that these controls and restrictions continue to be in place and are functioning as intended for the Site.

### 8.1.4 Reduction in Toxicity, Mobility, or Volume of Contamination Through Treatment

This criterion is an evaluation of the ability of an alternative or remedy to reduce the toxicity, mobility, and volume of Site contamination. Preference should be given to remedies that permanently or significantly reduce the toxicity, mobility, or volume of the contamination at the Site. The following is the hierarchy of source removal and control measures, ranked from most preferable to least preferable:

- Removal and/or treatment;
- Containment;
- Elimination of exposure; and
- Treatment of source at the point of exposure.

Remedial alternatives that use treatment or removal to eliminate contaminants at a Site, reduce the total mass of toxic contaminants, cause irreversible reduction in contaminants mobility, or reduce the total volume of contaminated media are preferable.

**Remedial Alternative 1** permanently eliminates the toxicity, mobility, and volume of contaminants within the Site by removing all soil with concentrations that exceeded the UUSCOs.

**Remedial Alternative 2** will permanently eliminate toxicity, mobility, and volume of contaminants above UUSCOs within the building footprint and RRSCOs in areas outside of the building footprint. ICs, including

a SMP and Environmental Easement, will provide long-term Site management requirements for the Track 4 area by eliminating exposure in these areas where a Track 1 Unrestricted Use cleanup is not achieved.

**Remedial Alternative 3** will mostly eliminate toxicity, mobility, and volume of contaminants above RRSCOs within the building footprint down to 15 ft bls and reduced the mobility and volume of contamination in areas outside of the building footprint. ICs, including a SMP and Environmental Easement, will provide a long-term Site management for the Site.

### 8.1.5 Short-Term Impacts and Effectiveness

This criterion is an evaluation of the potential short-term adverse environmental impacts and human exposures during the construction and/or implementation of an alternative or remedy.

**Remedial Alternatives 1 and 2** pose minimal health and environmental risks during implementation. The remedy implementation time is relatively short and the potential adverse impacts to the community and workers (e.g., increased traffic or exposure to contaminants during soil excavation and transportation) can be mitigated with ECs (e.g., HASP, CAMP, dust, odor, and traffic controls). Other potential risks include material handling, electrical shock, vapor inhalation, general trip hazards, and noise. These potential impacts are addressed in the Site-specific HASP and CAMP and the Soil/Materials Management Plan (SoMP), which detail monitoring during the construction and describe ECs to be implemented.

**Remedial Alternatives 3** pose similar minimal health and environmental risks during implementation. This remedy implementation might have slightly less short and the potential adverse impacts to the community and workers but as noted above for the other two alternatives, these impacts can be mitigated with ECs (e.g., HASP, CAMP, dust, odor, and traffic controls). Similar to the other alternatives the potential risks include material handling, electrical shock, vapor inhalation, general trip hazards, and noise will be addressed in the Site-specific HASP and CAMP and the SoMP, which detail monitoring during the construction and describe ECs to be implemented.

### 8.1.6 Implementability

This criterion is an evaluation of the technical and administrative feasibility of implementing an alternative or remedy. The techniques, materials and equipment to implement all of the **Remedial Alternatives** are readily available and have been proven effective in remediating the contaminants associated with the Site. Standard materials, services, and well-established technologies will be implemented. There are no specific difficulties associated with any of the activities proposed that utilize standard construction methods.

### 8.1.7 Cost Effectiveness

This criterion is an evaluation of the overall cost effectiveness of an alternative or remedy.

The total cost for **Remedial Alternative 1** is estimated to be approximately $8,241,061(no monitoring and reporting is required). The cost estimate details for Remedial Alternative 1 are provided in **Table 15**.

The total cost for Remedial **Alternative 2** is estimated to be approximately $7,504,045with approximately $7,000/year for annual inspections and reporting in accordance with the SMP. The cost estimate details for Remedial Alternative 2 are provided in **Table 16**.

The total cost for Remedial **Alternative 3** is estimated to be approximately $5,459,458 with approximately $7,000/year for annual inspections and reporting in accordance with the SMP. The cost estimate details for Remedial Alternative 3 are provided in **Table 17**.

The costs associated with Remedial Alternative 1 are higher than Remedial Alternatives 2 and 3 due to the additional excavation, backfill materials, and offsite disposal that will be required to achieve Track 1 Unrestricted Use SCOs throughout the Site. However, there would be no long term costs. Remedial Alternatives 2 and 3 includes long term costs associated with, implementation of the SMP Management Plan and groundwater monitoring, which will likely have to continue in perpetuity for the controlled areas of the Site.

### 8.1.8 Community Acceptance

This criterion is evaluated after the public review of the remedy selection process as part of the final NYSDEC selection/approval of a remedy for a site.

1. Any public comment relative to these criteria will be considered by NYSDEC after the close of the public comment period.
2. Documentation of the public comments received is to be consistent with the citizen participation plan identified for a remedial program in accordance with applicable DEC policy.

Although a full evaluation of this criterion cannot be made until after the public comment period is complete, it is expected that all alternatives will be equally acceptable to the community because the Site will be remediated sufficiently for the planned safe residential use.

### 8.1.9 Land Use

This criterion is an evaluation of the current, intended, and reasonably anticipated future use of the Site and its surroundings, as it relates to an alternative or remedy, when unrestricted levels would not be achieved.

This evaluation has considered reasonably anticipated future uses of the Site and considers:

- Current use and historical and/or recent development patterns;
- Applicable zoning laws and maps;
- NYS Department of State's Brownfield Opportunity Areas (BOA) pursuant to section 970-r of the general municipal law;
- Applicable land use plans;
- Proximity to real property currently used for residential use, and to commercial, industrial, agricultural, and/or recreational areas;
- Environmental justice impacts, federal or state land use designations;
- Population growth patterns and projections;
- Accessibility to existing infrastructure;
- Proximity of the site to important cultural resources and natural resources, potential vulnerability of groundwater to contamination that might emanate from the site;
- Proximity to flood plains;
- Geography and geology; and

- Current ICs applicable to the Site.

**All Remedial Alternatives** are compatible with land use and zoning.

### 8.1.10 Green and Sustainable Remediation

Green and sustainable remediation practices are evaluated for the implementation of an alternative or remedy. Each remedial alternative includes the excavation and offsite disposal of onsite soil exceeding the appropriate SCO and the collection of confirmation and/or documentation endpoint samples. The magnitude of water consumption, greenhouse gas emissions, renewable and non-renewable energy use, waste generation, and material use would be similar, differing slightly in the amount of greenhouse gas emissions and waste generation. The Track 1 Unrestricted Use cleanup, which includes excavation and disposal of approximately 13,000 CY of soil, will produce the most greenhouse gas emissions and waste, with the combined Track 1 Unrestricted Use/Track 4 Restricted Residential Use Cleanup and Combination Track 2 Restricted Residential/Track 4 Restricted Residential Use Cleanup resulting in less greenhouse gas emissions and waste generated due to the reduced anticipated soil disposal volumes. However, the Track 1 remedy is a preferable remedy if it can be achieved Site-wide. None of the remedial alternatives include groundwater treatment or a vapor mitigation system that would require long-term energy use, maintenance, or monitoring.

## 8.2 Selection of the Preferred Remedy

The Preferred Remedy for the Site, Remedial Alternative 1 Track 1 Unrestricted Use cleanup, was selected for implementation since it meets each of the evaluation criteria. In summary, the Preferred Remedy for the Site:

- Is protective of public health and the environment;
- Removes all soil with concentrations exceeding the UUSCOs across the entire Site;
- Provides a high level of long-term effectiveness and permanence through removal all soil exceeding UUSCOs across the entire Site;
- Reduces the toxicity, mobility, or volume of impacted material through removal of all soil exceeding UUSCOs across the entire Site;
- Is readily implemented;
- Should be acceptable to the community; and
- Is compatible with land use.

The Preferred Remedy for the Site is consistent with the approach for a Track 1 Unrestricted Use scenario. However, in the event that Track 1 SCOs are not achieved in the areas shown on **Figure 11**, the remedy will default to either a combined Track 1 Unrestricted Use/Track 4 Restricted Residential Use cleanup, or a combined Track 2 Restricted Residential Use/Track 4 Restricted Residential Use Cleanup in those areas and ECs/ICs will be implemented as appropriate and determined by the NYSDEC.

### 8.2.1 Preferred Remedy Land Use Factor Evaluation

A land use factor evaluation of the Preferred Remedy for the Site is provided below based on the following criteria as required by Article 27, Title 14 of the Environmental Conservation Law 27-1415.

#### 8.2.1.1 Zoning

The current Site and surrounding area zoning is R6 for residential use overlayed with a C2-3 and C4-3 for commercial use. The proposed mixed-use as a 100% affordable housing and community facilities such as an arts and media center, performance arts school, music school, multipurpose theater/rehearsal/instruction space, and administrative office space for non-profit organizations is consistent with the current property zoning.

#### 8.2.1.2 Applicable Comprehensive Community Master Plans or Land Use Plans

The Brownsville Plan, developed by NYC HPD, encompasses the Brownsville neighborhood where the Site is located. The Brownsville Plan is the product of a community-driven process with the intent of identifying neighborhood goals, strategizing to address local needs, and finding resources to fill service gaps. Development on city-owned land will support these goals to better safety, health, art resources, economic development, neighborhood retail and space for community organizations and affordable housing. The proposed redevelopment of the Site is consistent with this plan and the current zoning.

#### 8.2.1.3 Surrounding Property Uses

The area surrounding the Site is an urban area comprised primarily of commercial and multi-family residential properties (**Figure 5**). The Site (Block 3499, Lot 15) is adjoined by the following: institutional properties and multi-family residence to the west across Chester Street; multi-family residences; commercial, mixed-use commercial, and residential properties to the south; commercial electrical supply business; numerous commercial, mixed-use commercial, and multi-family residential properties to the north; and a commercial, mixed-use commercial, residential properties, and multi-family public housing to the east across Rockaway Avenue.

#### 8.2.1.4 Citizen Participation

Citizen participation has been and will continue to be pursued throughout the remedial process in accordance with the Citizen Participation Plan (CPP) for the Site (**Appendix D**).

#### 8.2.1.5 Environmental Justice Concerns

As established in DEC Commissioner Policy 29 on Environmental Justice (EJ) and Permitting (CP-29), potential EJ areas are 2000 U.S. Census block groups of 250 to 500 households each that, in the 2000 Census had populations that met or exceeded at least one of the following statistical thresholds:

a) At least 51.1% of the population in an urban area reported themselves to be members of minority groups; or

b) At least 33.8% of the population in a rural area reported themselves to be members of minority groups; or

c) At least 23.59% of the population in an urban or rural area had household incomes below the federal poverty level.

According to the NYSDEC database for environmental justice concerns, the Site is included as part of the Potential Environmental Justice Areas (PEJAs). As outlined in the NYSDEC-approved CPP, approximately 99.62% of the population within the areas surrounding this Site is a minority population. However, only approximately 7% of the population within the area surrounding the Site is linguistically isolated, so the BCP documents did not and will not need to be translated.

#### 8.2.1.6 Environmental Zones

According to the NYSDEC database and as established by the NYS Department of Labor's State Data Center, the Site is located within an Environmental Zone (En-Zone). En-Zones are established at census tracts with a poverty rate of at least 20 percent and an unemployment rate of at least 125 percent of the New York State unemployment rate, or a poverty rate of at least double the rate for the county in which the tract is located.

#### 8.2.1.7 Land Use Designations

There are no federal or state land use designations related to the Site.

#### 8.2.1.8 Population Growth Patterns

According to population growth patterns and projections, a potential future redevelopment of the Site into a mixed-use building that provides 100% affordable residential housing, community arts center, and community facilities, will be supportive of the growing community.

#### 8.2.1.9 Accessibility to Existing Infrastructure

The Site's location is accessible to existing infrastructure.

#### 8.2.1.10 Proximity to Cultural Resources

There are no historic resources within a 400-foot radius of the Site. The proposed remedy would not result in significant adverse impacts to architectural or archaeological resources.

#### 8.2.1.11 Proximity to Natural Resources

The Site is not located in, or adjacent to, regulated wetlands. The Jamaica Bay is located approximately 1.88 miles to the southeast of the Site.

#### 8.2.1.12 Groundwater Vulnerability

There are no known wellhead protection areas or specifically designated groundwater recharge areas in the vicinity of the Site. Groundwater flows to the south-southeast. Groundwater is not used as a source of drinking water.

#### 8.2.1.13 Proximity to Floodplains

The Site is not located in the 100-year or 500-year flood zone.

#### 8.2.1.14 Geography and Geology of the Site

The Site geography, geology and hydrogeology are described in Section 4.2. A groundwater contour map is presented on **Figure 10**.

#### 8.2.1.15 Current Institutional Controls

There are currently no ICs on the property, however, should the Site default to a combined Track 1 Unrestricted Use/Track 4 Restricted Residential Use cleanup, or Track 2/Track 4 Restricted Residential Use cleanup, ICs (SMP and Environmental Easement) will be implemented for the portions of the Site that do not

achieve Track 1 as part of the remedial action. A chain link fence currently surrounds the Site to prevent access.

## 8.3 Summary of Selected Remedial Actions

The elements of the selected Track 1 Unrestricted Use cleanup are:

1. Installation of SOE to 16 ft bls to reach the proposed remedial excavation depths to meet the Track 1 remedial UUSCOs, as determined following PDI implementation, and prevent damage to adjacent offsite structures.
2. Preparation and implementation of a PDI work plan, in order to collect soil samples to confirm remediation excavation depths throughout the Site.
3. Excavation and offsite disposal of approximately 13,000 CY of soil exceeding UUSCOs. The remedial excavation depth will range from 4 to 17 ft bls (actual volume is subject to change based on field conditions, results of the PDI, and post-excavation endpoint sampling). Offsite disposal of all material removed from the Site will be in accordance with all Federal, State, and local rules and regulations for handling, transport, and disposal.
4. Collection and analysis of excavation bottom endpoint samples at a frequency of one per 900 square feet and sidewall endpoint samples at a frequency of approximately one per 30 square feet to evaluate the performance of the remedy with respect to attainment of Track 1 SCOs and to properly document the remaining onsite soil quality.
5. Clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) will be brought in to replace the excavated soil and establish the designed grades at the Site, if required. Import of materials to be used for backfill and cover will be in compliance with chemical limits and other specifications included in **Table 19,** Table 5.4(e)10 from DER-10**,** and all Federal, State, and local rules and regulations for handling and transport of material.
6. Post-construction co-located sub-slab and indoor air samples will be collected. Three sub-slab vapor monitoring points will be installed in conjunction with slab construction and vapor barrier installation to avoid damaging the 20-mil vapor barrier/waterproofing membrane.
7. A sub-slab depressurization system piping will be installed in conjunction with slab construction and vapor barrier installation. Installing the sub-slab depressurization system during construction will avoid damaging the 20-mil vapor barrier/waterproofing membrane during a potential retrofit construction. The sub-slab depressurization system will be installed to mitigate potential vapor intrusion, should the post-construction sub-slab and indoor air sample analytical data indicate mitigation is necessary.
8. As part of the Track 1 Unrestricted Use cleanup, a soil vapor intrusion evaluation that will include sampling will be completed. The evaluation will include a provision for implementing actions recommended to address exposures related to soil vapor intrusion.
9. If a Track 1 Unrestricted Use cleanup is not achieved Site-wide, portions of the Site will achieve a minimum of a Track 4 Restricted Residential cleanup, which would require the recording of an Environmental Easement, including Institutional Controls, to prevent future exposure to any residual contamination remaining at the Site, and publication of a Site Management Plan for long term management of residual contamination.

Remedial activities will be performed at the Site in accordance with this NYSDEC-approved RAWP and the Department-issued Decision Document. All deviations from the RAWP and/or Decision Document will be promptly reported to NYSDEC for approval and fully explained in the FER.

# 9. Remedial Action Program

## 9.1 Governing Documents

### 9.1.1 Standards, Criteria, and Guidance (SCGs)

The following standards, criteria, and guidance will be consulted and adhered to throughout the Remedial Action as applicable:

- 6 NYCRR Part 364 - NYS Waste Transporter Permits
- 6 NYCRR Part 360 - NYS Solid Waste Management Requirements
- 6 NYCRR Part 371 - Identification and Listing of Hazardous Wastes
- 6 NYCRR Part 372 - Hazardous Waste Manifest System and Related Standards for Generators, Transporters and Facilities
- 6 NYCRR Part 375 - Environmental Remediation Programs
- 6 NYCRR Part 376 - Land Disposal Restrictions
- 29 CFR Part 1910.120 - Hazardous Waste Operations and Emergency Response
- CP-43 - Commissioner Policy on Groundwater Monitoring Well Decommissioning (December 2009)
- CP-49 – Climate Change and DEC Action (2022)
- CP-51- Soil Cleanup Guidance (2010)
- DER-2 - Making Changes to Selected Remedies (April 2008)
- DER-10 – Technical Guidance for Site Investigation and Remediation (2010)
- DER-13 – Strategy for Evaluating Soil Vapor Intrusion at Remedial Sites in New York (2006)
- DER-23 – Citizen Participation Handbook for Remedial Programs (2010)
- DER-31 – Green Remediation (2010)
- DER-32 – Brownfield Cleanup Program Applications and Agreements (2017)
- DER-33 – Guide to Drafting and Recording Institutional Controls (2010)
- TAGM 3028 - "Contained In" Criteria for Environmental Media: Soil Action Levels (August 1997)
- TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values and Groundwater Effluent Limitations (1998, Addenda 2000, 2004 and 2023)
- New York State Standards and Specifications for Erosion and Sediment Control (2016)
- New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan
- NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (2006)
- New York State Climate Act (2019)
- NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (2023)

### 9.1.2 Green and Sustainable Remediation and Climate Resiliency

Green remediation principles and techniques will be implemented to the extent feasible in the design, implementation, and site management of the remedy as per DER-31. The major Green and Sustainable Remediation (GSR) components are as follows:

- Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;
- Reducing direct and indirect greenhouse gases, and other emissions;
- Increasing energy efficiency and minimizing use of non-renewable energy;
- Conserving and efficiently managing resources and materials;
- Reducing waste, increasing recycling, and increasing reuse of materials that would otherwise be considered a waste;
- Maximizing habitat value and creating habitat when possible, including maximizing the planting of trees, shrubs, and other carbon dioxide sinks in redevelopment;
- Fostering green and healthy communities and working landscapes that balance ecological, economic, and social goals;
- Integrating the remedy with the end use where possible and encouraging green and sustainable re-development; and
- Additionally, to incorporate GSR principles and techniques to the extent feasible in the future development at this site, any future onsite buildings shall be constructed, at a minimum, to meet the 2020 Energy Conservation Construction Code of New York (or most recent edition) to improve energy efficiency as an element of construction.

To evaluate the remedy with respect to GSR principles as part of the remedial design program, Water consumption, greenhouse gas emissions, renewable and non-renewable energy use, waste reduction and material use estimation, and goals for the project related to these GSR metrics, as well as goals for minimizing community impacts, protecting habitats and natural and cultural resources, and promoting environmental justice, will be incorporated into the remedial design program, as appropriate.

The proposed redevelopment to be completed alongside the remediation will include a newly constructed building that will not utilize fossil fuel-powered boiler(s) for the HVAC systems. The newly constructed building will utilize electricity for both heat and hot water and will result in no Site emissions. Additionally, the redevelopment will include approximately 11,900 square feet (SF) of passive open space including an approximately 5,182 SF publicly accessible plaza, thus providing a green space for the community. The proposed redevelopment and remediation of the Site will not have an adverse impact on any existing natural resources. The Site is located within the Jamaica Bay Watershed and within an urbanized area of Brownsville. Since the Site is currently vacant, and the redevelopment will include NYCDEP-approved storm water management, there will not be significant adverse impacts to the Jamaica Bay Watershed. The proposed redevelopment is not expected to generate more than 50 tons of solid waste per week and therefore will not have a significant adverse impact to the NYC solid waste management systems. As discussed in Section 8.2.1.5, the Site is located within an EJ area that works to address environmental issues and concerns that affect primarily low income and minority communities through grant opportunities, enforcement of environmental laws and regulations, consultation, guidance, and enhance public participation. The proposed redevelopment and remediation will comply with the requirements established for EJ areas by providing much needed affordable housing.

To further incorporate green remediation principles and techniques to the extent feasible in the future development at this Site, any future onsite buildings will include, at a minimum, a 20-mil vapor barrier/waterproofing membrane on the foundation to improve energy efficiency as an element of construction.

Additionally, the remedial design includes climate change vulnerability assessment, to evaluate the impact of climate change on the project site and the proposed remedy. Potential vulnerabilities associated with extreme weather events (e.g., hurricanes, lightning, heat stress and drought), flooding, and sea level rise have been identified, and the measures to minimize the impact of climate change on potential identified vulnerabilities are summarized below:

| Projected Hazard | Potential Implications |
|---|---|
| Sea Level Rise and Floodplain | **Current FEMA Flood Zones Maps**: The Project area is not located within the current 100-year flood plain or 500-year flood plain.<br>The FEMA coastal flooding risk rating is relatively low, with a risk index score of 34.10 out of 100.<br>**FEMA 2020 Flood Zones Maps and FEMA 2050 Flood Zones Maps**: The Site is not within the FEMA 2020 100-year flood plain or the FEMA 2050 500-year flood plain. |
| Precipitation | **2035**: 1.7% to 5.5% change in average annual precipitation.<br>**2060**: 3.4% to 10.7% change in average annual precipitation. |
| Rising Temperatures | **2035**: 2.2 F to 3.0 F change in average annual temperature.<br>**2060**: 4.3 F to 5.8 F change in average annual temperature. |
| Extreme Heat | Historical average 1 day over 100 F.<br>**2035**: 3 days over 100 F.<br>**2060**: 5 to 8 days over 100 F.<br>The FEMA risk index rating for heat waves is very high, with a risk index score of 86.5 out of 100.<br>The FEMA risk index rating for drought is very low, with a risk index score of 0.0 out of 100 (based on Agricultural [crop only] impacts). |
| Extreme Weather Events | **2035**: 1.5% to 9% change in 100-year storm intensity.<br>**2060**: 3.0% to 17.5% change in 100-year storm intensity.<br>The Site is not located in New York City (NYC) Hurricane Evacuation Zone; therefore, the storm surge risk is low. |
| Seismic Activity | The potential impact due to seismic activity in the Site area is relatively low, with a risk index of 70.3 out of 100. |
| Hazardous Material/Toxic Chemical Spills | The NYSPILLS database does not indicate any onsite spill or releases. Tt not anticipated that any petroleum bulk storage (PBS) will be included as part of redevelopment and remediation. |
| Wildfire | The USEPA Wildfire Conditions & Risk Map for Water Utilities reports fires larger than 1,000 acres throughout the period of 1984 through 2019. No wildfires have been reported within Kings County during this time period. The wildfire risk is low. |

| Projected Hazard | Potential Implications |
|---|---|
| Landslide | The United States Geological Survey (USGS) Landslide Inventory summarized the landslide confidence levels from High confidence in extent or nature of landslide through possible landslide. The Site is not located within any of the landslide confidence areas. |

Notes:

1.) The FEMA Risk Ratings are a comparison of the risk factors for the Site area to the rest of the United States.
2.) The FEMA Risk Index scores are calculated using data for a single hazard type and reflect an area's relative risk for that hazard type.
3.) The 2035 and 2060 scenarios are based on the USEPA Climate Scenarios Projection Maps. These scenarios define a range of future climate conditions that can be considered for each time period (short- and long-term), from the hottest (and driest) to the wettest model results. All climate models project warming, the extent of warming varies per scenario. Note that due to the inherent uncertainty in using models to project future climate conditions, all scenarios have been considered to evaluate the resilience to impacts that could result from possible future climates and high impact/low probability events.

Additionally, the American Society for Testing and Materials (ASTM) Standard Guide for Greener Cleanups will be taken into consideration during remediation implementation to minimize total energy use, air pollutants and greenhouse gas emissions, water use and impacts to water resources, recycling of materials and waste, and promote the protection of land and ecosystems.

In the FER, a Base Management Practices (BMPs) assessment and an environmental footprint analysis will be completed using an accepted environmental footprint analysis calculator such as SEFA (Spreadsheets for Environmental Footprint Analysis, USEPA), SiteWise(TM) (available in the Sustainable Remediation Forum [SURF] library), or a similar NYSDEC accepted tool. Further, progress with respect to GSR metrics will be tracked during implementation of the remedial action and reported in the FER, including a comparison to the goals established during the remedial design program.

### 9.1.3 Site Specific Health and Safety Plan (HASP)

The Site-specific HASP is included in **Appendix E** and the CAMP is included as **Appendix F** within the HASP. All remedial work performed under this plan will be in full compliance with governmental requirements, including Site and worker safety requirements mandated by the Federal Occupational Safety and Health Administration (OSHA).

The Volunteer and associated parties preparing the remedial documents submitted to the State and those performing the construction work, are completely responsible for the preparation of an appropriate Health and Safety Plan and for the appropriate performance of work according to that plan and applicable laws.

The HASP and requirements defined in this RAWP pertain to all remedial and invasive work performed at the Site until the issuance of a Certificate of Completion.

The Roux Site Safety Coordinator will be determined prior to implementation of the remedial action. A resume will be provided to NYSDEC prior to the start of remedial construction.

### 9.1.4 Quality Assurance Project Plan (QAPP)/ Field Sampling Plan (FSP)

The QAPP/FSP (**Appendix F**) includes all procedures to be followed for sampling and analysis. The QAPP/FSP includes all requirements outlined in DER-10 Section 2.4.

### 9.1.5 Construction Quality Assurance Plan

Quality assurance/quality control procedures for all construction activities associated with implementation of the remedial action construction are established in the Construction Quality Assurance Plan (CQAP), which is included in this section of the RAWP. The CQAP describes the Site-specific construction quality assurance and control measures that will be performed during remediation that will be implemented at the Site during implementation of the RAWP. The CQAP includes a program for construction observation and testing to verify performance of the remedial construction in accordance with the RAWP.

In general, the work to be addressed by this CQAP consists of the excavation and proper management/disposal of impacted soils.

#### 9.1.5.1 Organization/Personnel

The implementation of the remedial action construction will be sequenced based on construction requirements, environmental considerations, and logistic limitations posed by proximity of adjacent structures. The project team is comprised of the Owner/Volunteer (Brownsville Arts Owner LLC), contractors, and consultants specializing in one or more critical aspects of the project. It is understood by the project team that close coordination and proper sequencing of all activities occurring on the Site will be crucial to the success of the remediation. The project team and associated responsibilities are as follows. If changes are made to the project team, the CQAP will be amended.

| Company | Project Role | Name (title) | Contact Info (email or phone) |
|---|---|---|---|
| Brownsville Arts Owner LLC | Volunteer | Dimitrios Katehis (Project Manager) | DKatehis@GilbaneCo.com (347) 647-0415 |
| To Be Determined | General Contractor | To Be Determined | To Be Determined |
| Roux | Environmental Consultant | Frank Cherena, P.G. (Project Principal) | fcherena@rouxinc.com (631) 232-2600 |
| | | Charlie McGuckin, P.E. (Remedial Engineer) | cmcguckin@rouxinc.com (631) 232-2600 |
| | | Lauren Dolginko (Project Manager) | ldolginko@rouxinc.com (631) 232-2600 |
| | | TBD (Field Team Leader) | (631) 232-2600 |
| | | Lauren Dolginko (Quality Assurance Officer) | ldolginko@rouxinc.com (631) 232-2600 |
| To Be Determined | Surveying Firm | To Be Determined | To Be Determined |
| Eurofins TestAmerica | Environmental Laboratory | Melissa Haas (Project Manager) | melissa.hass@eurofins.net (203) 308-0880 |

#### 9.1.5.2 Brownsville Arts Owner LLC (Volunteer) – Site Redevelopment and Regulatory Interaction

***Dimitrios Katehis, Redevelopment Project Manager/Remediation Oversight***

Brownsville Arts Owner LLC's Project Manager for the Site will coordinate communications with regulatory agencies and will provide general oversight of all aspects of the remediation. Brownsville Arts Owner LLC

will be responsible for the review and submission of all documents, reports, correspondence, etc. required by the RAWP and/or the BCA with the NYSDEC.

Brownsville Arts Owner LLC's Project Manager will be responsible for community notifications and addressing concerns with the adjacent property owners and local community on all remediation-related issues. Brownsville Arts Owner LLC will be immediately notified by the onsite team of any complaints or concerns regarding the work raised by the adjacent property owners and/or the general public.

#### 9.1.5.3 General Contractor/Soil Remedial Contractor – To Be Determined

***Project Quality Control Officer***

The General Contractor will be responsible for the quality assurance of all of the tasks being implemented. The General Contractor will confirm that all components of the Site activities are conducted according to the requirements of the RAWP. The General Contractor will be responsible for verifying that the daily Site construction activities are in compliance with all of the safety requirements and regulations governing the Site activity; however, each subcontractor is responsible for the health and safety of their own personnel. The General Contractor will be responsible for managing the transportation and disposal of any contaminated waste and materials generated during the construction, including:

- Fill/Soil;
- Contaminated Concrete, Bricks or Other Construction Debris;
- Personal Protective Equipment and Other Miscellaneous Debris (if any); and
- Construction Wastewater (If any).

The soil Remedial Contractor is responsible for the excavation and disposal of portions of the Site to the required depths, construction and demolition debris and all other contaminated wastes generated, transportation and disposal of non-contaminated construction and demolition debris (if any), and decontamination of equipment. The primary environmental obligations of the soil Remedial Contractor include safely managing all excavated materials, preventing the contaminated Site soils from being tracked offsite, dust/odor control and decontamination equipment, as necessary.

#### 9.1.5.4 Roux Environmental Engineering and Geology, D.P.C. – RAWP and Environmental Monitoring Compliance

***Frank Cherena – Project Principal***
***Charles McGuckin, P.E. – Remedial Engineer***
***Lauren Dolginko – Project Manager/ Quality Assurance Officer***
***TBD – Field Manager/Site Safety Officer (SSO)***

Roux will coordinate all Site activities being implemented to achieve the remedial objectives defined in the RAWP. Roux will provide continual review of all quality control measures implemented by the contractors to ensure compliance with the Site's remedial objectives and the Site-specific HASP. As such, Roux will provide oversight services for the duration of the remedial activities.

Roux will provide ambient air quality monitoring for VOCs and particulates during all intrusive Site activities as part of the CAMP for the Site. CAMP monitoring data will be reported daily to the SSO and will be maintained onsite. CAMP monitoring data will also be provided to NYSDEC and NYSDOH Project Managers with the daily reports by the end of the next day. Any Action level exceedances will be reported to the SSO, the Brownsville Arts Owner LLC, and General Contractor project managers and appropriate communication

(with NYSDEC and NYSDOH) and action taken. All CAMP monitoring records will be included in the overall FER that will be submitted to the NYSDEC and NYSDOH and will include all of the CAMP data collected, daily monitoring station location maps, and copies of the action limit reports (if any). If an action limit report is generated due to VOC exceedances, the NYSDEC and NYSDOH will be notified within 24 hours of the exceedance. A brief summary of CAMP activities, including any action limit reports generated, will be provided in the daily report.

The Quality Assurance Officer is responsible for conducting reviews, inspections, and audits to ensure the data collection is conducted in accordance with the QAPP/FSP. The Quality Assurance Officer's responsibilities range from ensuring effective field equipment decontamination procedures and proper sample collection to the review of all laboratory analytical data for completeness and usefulness. The Quality Assurance Officer reports to the Project Manager and makes independent recommendations to the field team.

All onsite-S quality control persons identified in the CQAP will provide daily briefings and/or reports to Roux onsite personnel, identifying the tasks completed, the remedial measures achieved, and any other issues of concern. Additionally, Mr. Charles McGuckin, the "Remedial Engineer," a professional engineer licensed in the State of New York, will be responsible for certifying that the remediation construction was completed in substantial conformance with the approved RAWP and/or any NYSDEC-approved field changes.

#### 9.1.5.5 Environmental Laboratory

The need for an environmental laboratory is specific to soil endpoint sampling and clean backfill sampling. Eurofins Lancaster Laboratories of Lancaster, Pennsylvania (Eurofins) will be utilized for all remediation construction-related analytical requirements. Eurofins is a NYSDOH Environmental Laboratory Approval Program (ELAP) certified laboratory. All results will be reported in electronic format deliverables prepared in accordance with NYSDEC requirements. Formal laboratory qualifications and QA/QC information packages for Eurofins and any other analytical laboratories proposed for the project will be submitted to the NYSDEC or disposal facilities, if requested.

#### 9.1.5.6 TBD – Surveying Firm

***Personnel to Be Determined, Construction Quality Control***

A NYS-licensed surveying firm will be contracted to provide lines, grades, boundaries, benchmarks, topographic surveys, as-built drawings, and any other survey work required for the proper execution and documentation of the work as required by the RAWP.

#### 9.1.5.7 TBD – Data Validation

A DUSR will be prepared to evaluate the endpoint samples by a data validation party independent from the laboratory performing the analysis in accordance with Appendix 2B of DER-10.

#### 9.1.5.8 Waste Disposal Facilities

Waste from the Site will be transported to appropriately permitted waste disposal facilities. The waste disposal facilities selected for this project will be determined once the bidding process is completed. The selected waste disposal facilities will be determined based on the analytical results of the waste characterization sampling completed at the Site.

If any is generated, non-impacted construction debris will be transported to a registered construction and demolition disposal facility.

#### 9.1.5.9 Waste Transporter and Disposal Facility Qualifications

A qualifications package for each vendor contracted to transport waste from the Site to the designated soil disposal facilities and each designated disposal facility will be submitted to NYSDEC. The package will include the following:

- Proof of insurance and all current necessary waste transport permits for the waste type(s) being transported.
- Letters of commitment from all waste haulers and from all transfer, treatment, storage and disposal facilities to be used for the project. The letters of commitment shall specifically identify the types and quantities of waste that the facility will be able to accept, the permit numbers for all facilities where the waste will be accepted, and all waste characterization requirements, if additional waste characterization samples are already collected. In the event that a facility (such as a privately-owned treatment works) is prohibited from issuing a letter of commitment without a sample of the waste, a conditional-type letter will be acceptable. Such a conditional letter should specifically state what types and quantities of waste the facility will accept.
    - For each waste hauler:
        - Name and federal and state identification numbers, as applicable;
        - Address;
        - Name of responsible contact for the hauler;
        - Telephone number for the contact;
        - List of types and sizes of all transport vehicles and equipment to be used;
        - A description of proposed transportation route, method and procedures for hauling waste material, including type of vehicles that will be used for each type of waste; and
        - Copies of any and all necessary permits and authorizations for each type of waste transported.
    - For each transfer, treatment, storage and disposal facility, the Contractor shall submit the following information:
        - Facility name and federal and state identification numbers;
        - Facility location;
        - Name of responsible contact for the facility;
        - Telephone number for contact;
        - Signed letter of agreement to accept waste;
        - Unit of measure utilized at facility for costing purposes; and
        - Copies of all permits, licenses, letters of approval, and other authorizations to operate, held by the proposed facility as they pertain to receipt, and management of waste derived from this Contract.

#### 9.1.5.10 Construction Quality Control Testing

Implementation of quality control testing and measurement will be performed by the contractors conducting the specific Site tasks. The quality control officers, defined in Section 9.1.5.1, will be responsible for providing

documentation of all testing and measurement results to Roux. Roux will be responsible for verifying that all quality control testing has been conducted in compliance with the RAWP and as specified herein.

Prior to initial quality control testing procedures:

1. Verify that the testing procedures are within the manufacturer's recommendations.
2. Verify that the facilities' testing equipment is available and comply with testing standards.
3. Check testing instrument calibrations against certified standards.
4. Verify the recording forms, including all the test documentation requirements that have been prepared.

Qualifications of all independent environmental testing firms and laboratories will be submitted to Roux and Brownsville Arts Owner LLC for approval prior to any quality control testing and/or lab analysis as an obligation of this CQAP.

Specific task-driven testing/certification obligations as they relate to environmental aspects of the project are as follows:

- A NYS-licensed surveyor will conduct all of the necessary measurements and provide associated documentation to verify that the excavation limits are achieved.
- Waste characterization was completed in 2023/2024 to supplement the RI samples. The *in situ* characterization sampling and analysis performed will allow the excavated impacted soils to be direct loaded for waste transport and disposal, to the extent practicable. Waste characterization analysis parameters and frequency for any additional samples were determined by the waste disposal facility's acceptance requirements. Results of the waste characterization program completed to date at the Site will be provided to the disposal facility for review, along with data generated during the RI and previous onsite investigations.
- The CAMP requires continuous real-time monitoring of VOCs and particulates during all intrusive Site activities. This monitoring equipment will be inspected periodically throughout each day to check and manually record the concentrations of VOCs and particulates and to ensure that the equipment is working properly. The equipment will be repaired, recalibrated, or replaced, as necessary. The periodic measurements will be used to identify any potential risks of offsite migration. This monitoring data will be collected and logged for review daily by Roux and made available for regulatory agency review. Action Limit Reports will be completed to document any and all action level exceedances and will be submitted to NYSDEC and NYSDOH, as defined in the CAMP.
- All testing data will be managed in accordance with the above requirements, the QAPP/FSP, and will be included in the FER to be prepared by Roux upon completion of all remedial objectives defined in the RAWP.

#### 9.1.5.11 Project Coordination

During implementation of the remedial action construction, progress meetings/conference calls will be conducted periodically to assess the progress of the work, overall progress to date, quality control requirements, environmental and construction health and safety requirements, and future progress expectations. Those in attendance will include representatives from the Volunteer, the General Contractor, Roux and other subcontractors, as necessary. This will provide the opportunity for all Site tasks to be integrated and discussed collectively and provide for coordination of all Site activities to maintain the overall construction schedule. Routine task meetings will also be conducted on an as-needed basis to insure proper communication between the contractors, tradesman, and supervisory personnel.

### 9.1.6 Soil/Materials Management Plan (SoMP)

The SoMP is included in Section 10.6 of this RAWP.

### 9.1.7 Stormwater Pollution Prevention Plan

A Stormwater Pollution Presentation Plan (SWPPP) is required for the remedial action since the area of disturbance will be more than 20,000 square feet. A SWPPP will be prepared and submitted to the New York City Department of Environmental Protection (NYCDEP) prior to implementing the remedy. When available, a copy of the SWPPP will be submitted to NYSDEC prior to the start of remediation. The erosion and sediment controls will be in conformance with requirements presented in the New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016, the New York State Stormwater Design Manual, dated January 2015.

As necessary, hay bales will be placed at locations upgradient of excavation areas to control stormwater runoff and surface water from entering or exiting the excavation. Catch basin inlets immediately adjacent to the work area will be protected to prevent disturbed soil from entering. Construction water will be managed in accordance with the SoMP described in Section 10.6.

Details related to erosion and sediment controls to be followed during construction will be prepared by the Site civil engineer and will be submitted to NYSDEC prior to construction.

### 9.1.8 Community Air Monitoring Plan (CAMP)

All invasive work will be completed in accordance with the CAMP that is included at Appendix F within the HASP (**Appendix E**).

### 9.1.9 Contractors Site Operations Plan (SOP)

The Remedial Engineer will review all plans and submittals for this remedial project (including those listed above and contractor and sub-contractor document submittals) and will confirm that they are in compliance with this RAWP. The Remedial Engineer is responsible to ensure that all later document submittals for this remedial project, including contractor and sub-contractor document submittals, are in compliance with this RAWP. All remedial documents will be submitted to NYSDEC and NYSDOH in a timely manner and prior to the start of work.

### 9.1.10 Citizen Participation Plan

No changes will be made to approved Fact Sheets authorized for release by NYSDEC without written consent of the NYSDEC. No other information, such as brochures and flyers, will be included with the Fact Sheet mailing. Fact sheets will be provided in English and Spanish. Fact sheets will be sent electronically by the NYSDEC project manager.

A certification of mailing will be sent by the Volunteer to the NYSDEC project manager following the distribution of all Fact Sheets and notices that includes: (1) certification that the Fact Sheets were mailed, (2) the date they were mailed; (3) a copy of the Fact Sheet; (4) a list of recipients (contact list); and (5) a statement that the repository was inspected on (specific date) and that it contained all of applicable project documents.

The approved Citizen Participation Plan for this project is attached in **Appendix D**.

Document repositories have been established at the following locations and contain all applicable project documents:

**Brooklyn Public Library**
**Brownsville Branch**
61 Glenmore Avenue
Brooklyn, NY 11212
Phone: 212-942-2445
Manager, Paul Levy
plevy@bklynlibrary.org

**Brooklyn Community Board District 16**
Chairperson: Eleazar Bueno
District Manager: Viola D. Greene-Walker
bk16@cb.nyc.gov

Access project documents through the DECinfo Locator https://www.dec.ny.gov/data/DecDocs/C224357/

## 9.2 General Remedial Construction Information

### 9.2.1 Project Organization

A copy of professional profiles for the Project Principal, Remedial Engineer, Quality Assurance Officer, Project Manager, and Field Manager/SSO (resumes are provided for a number of staff that may oversee the field work) for Roux are presented in **Appendix G**.

### 9.2.2 Remedial Engineer

The Remedial Engineer for this project will be Charles McGuckin, P. E. The Remedial Engineer is a registered professional engineer licensed by the State of New York. The Remedial Engineer will have primary direct responsibility for implementation of the remedial program for the project (NYSDEC BCP Site No. C224357). The Remedial Engineer will certify in the FER that the remedial activities were observed by qualified environmental professionals under her supervision and that the remediation requirements set forth in the Remedial Action Work Plan and any other relevant provisions of ECL 27-1419 have been achieved in full conformance with that Plan. Other Remedial Engineer certification requirements are listed later in this RAWP.

The Remedial Engineer will coordinate the work of other contractors and subcontractors involved in all aspects of remedial construction, including soil excavation, stockpiling, characterization, removal and disposal, air monitoring, emergency spill response services, import of back fill material, and management of waste transport and disposal. The Remedial Engineer will be responsible for all appropriate communication with NYSDEC and NYSDOH.

The Remedial Engineer will review all pre-remedial plans submitted by contractors for compliance with this Remedial Action Work Plan and will certify compliance in the Final Engineering Report.

The Remedial Engineer will provide the certifications listed in Section 14.1 in the Final Engineering Report.

### 9.2.3 Remedial Action Construction Schedule

A schedule for the major elements of the remedial construction and portions of the redevelopment construction are presented in Section 13.

### 9.2.4 Work Hours

The hours for operation of remedial construction will conform to the New York City Department of Buildings construction code requirements or according to specific variances issued by that agency. DEC will be notified by the Volunteer of any variances issued by the Department of Buildings. NYSDEC reserves the right to deny alternate remedial construction hours.

### 9.2.5 Site Security

Security for the work, equipment, materials, supplies, facilities, personnel, and incidentals will be provided throughout the performance of the work at the Site. The Site will be fully fenced with construction fencing conforming to New York City Department of Buildings requirements. This fencing will be maintained throughout the remedial construction work. Temporary fencing and barricades will be used to delineate and secure areas of ongoing remediation activities. Site security personnel will be employed as needed.

### 9.2.6 Traffic Control

All construction work will occur between 7 A.M. and 6 P.M. from Monday to Friday. The contractors may work longer hours and/or weekends, as permitted by the proper authorities. If work beyond these hours or on weekends is required, the proper authorities will be notified. Disturbances to the local community will be minimized to the extent practical.

For any trucking required, the proposed truck routes for ingress and egress to the Site are shown in **Figure 14**.

All trucks loaded with Site materials will exit the vicinity of the Site using only these approved truck routes. These are the most appropriate routes and take into account: (a) limiting transport through residential areas and past sensitive sites; (b) use of city mapped truck routes; (c) prohibiting offsite queuing of trucks entering the facility, to the extent practicable; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport.

Trucks will be prohibited from stopping and idling in the neighborhood outside the project Site.

The contractors operating on the Site will be responsible for providing all necessary personnel and materials (i.e., traffic lanes, safety cones, etc.) to control traffic entering and exiting the Site and for coordinating traffic control measures with the New York City Police Department, as necessary. Contractors operating on the Site shall be responsible for all applicable NYCDOT traffic control and notification requirements and incorporating those elements into this Traffic Control Plan.

### 9.2.7 Contingency Plan

The Contingency Plan is described in Section 10.6.11.

### 9.2.8 Worker Training and Monitoring

All excavation work will be performed in accordance with the Site-specific HASP and CAMP. Removal of impacted soil will be performed by qualified contractors and trained personnel (Minimum 24HR OSHA HAZWOPER). In the event that removal of UST is required, work will be performed by a qualified contractor and trained personnel (Minimum 40HR OSHA HAZWOPER) in accordance with DER-10, NYSDEC PBS regulations and NYC Fire Department regulations.

### 9.2.9 Agency Approvals

The Volunteer will address all State Environmental Quality Review Act (SEQRA) requirements for this Site, as appropriate for the future redevelopment. All permits or government approvals required for remedial construction have been, or will be, obtained prior to the start of remedial construction.

The potential future end use for the Site is in conformance with the zoning for the property as determined by New York City Department of Planning.

A complete list of all local, regional and national governmental permits, certificates, or other approvals or authorizations required to perform the remedial work is attached in **Table 18**. This list includes a citation of the law, statute or code to be complied with, the originating agency, and a contact name and phone number in that agency. This list will be updated in the Final Engineering Report.

### 9.2.10 NYSDEC BCP Signage

A BCP project sign is not required for this site.

### 9.2.11 Pre-Construction Meeting with NYSDEC

A project kick-off meeting will be conducted with the Volunteer, Roux, NYSDEC, the General Contractor, and the selected Remedial Contractor prior to the commencement of any intrusive remedial activities proposed in this RAWP.

### 9.2.12 Emergency Contact Information

The Site-specific HASP (**Appendix E**) will define the specific project contacts for use by NYSDEC and NYSDOH in the case of a day or night emergency. Since the contractors have not yet been selected, the emergency contact list will be prepared prior to the start of work and the HASP will be updated.

### 9.2.13 Remedial Action Costs

The total cost for Remedial Alternative 1 is estimated to be $8,241,061 (no monitoring and reporting is required). An itemized and detailed summary of estimated costs for all remedial activity is attached as **Tables 15 through 17**. This will be revised based on actual costs and submitted as an Appendix to the Final Engineering Report.

## 9.3 Site Preparation

### 9.3.1 Mobilization

<u>Mobilization</u>

The soil contractors shall supply any labor and materials required for the removal and disposal of contaminated soil. Mobilization and Site preparation activities include:

1. Mobilization of equipment to the work area.
2. Installation/maintenance of the perimeter construction fencing, temporary fencing and traffic barricades to delineate the work zone and act as a work Site security measure. Security personnel will be onsite as needed.
3. Implementation of erosion and sediment control measures in accordance with the New York Guidelines for Urban Erosion and Sediment Control and the SWPPP.
4. Set-up of decontamination facilities.

### 9.3.2 Erosion and Sedimentation Controls

Implementation of erosion and sediment controls will be in conformance with requirements presented in the New York State Guidelines for Urban Erosion and Sediment Control and the SWPPP. Construction water will be managed in accordance with the SoMP described in Section 10.6.

### 9.3.3 Stabilized Construction Entrance(s)

Stabilized construction entrances will be installed at all points of vehicle ingress and egress to the Site. The truck wash/decontamination pad and the stone-based egress path will be continuous so that trucks do not get re-contaminated prior to departure from the Site.

Any soil spilled on the sidewalk or street immediately adjacent to the Site will be promptly removed and the street will be cleaned.

### 9.3.4 Utility Markout and Easements Layout

The Volunteer and its contractors are solely responsible for the identification of utilities that might be affected by work under the RAWP and implementation of all required, appropriate, or necessary health and safety measures during performance of work under this RAWP. The Volunteer and its contractors are solely responsible for safe execution of all invasive and other work performed under this RAWP. The Volunteer and its contractors must obtain any local, State or Federal permits or approvals pertinent to such work that may be required to perform work under this RAWP. Approval of this RAWP by NYSDEC does not constitute satisfaction of these requirements.

The presence of utilities and easements on the Site has been investigated by the Remedial Engineer. It has been determined that no risk or impediment to the planned work under this RAWP is posed by utilities or easements on the Site.

### 9.3.5 Structural Stability/Support of Excavation

Appropriate management of structural stability of onsite or offsite structures during onsite activities that include excavation is the sole responsibility of the Volunteer and its contractors. A 16-foot-deep SOE will be designed as a critical part of the remedy to reach the required remedial and redevelopment excavation depths. The Volunteer and its contractors must obtain any local, State or Federal permits or approvals that may be required to perform work under this RAWP. Further, the Volunteer and its contractors are solely responsible for the implementation of all required, appropriate, or necessary health and safety measures during performance of work under the approved RAWP.

### 9.3.6 Equipment and Material Staging

An equipment and materials staging area will be established in a designated area onsite.

### 9.3.7 Decontamination Area

A temporary decontamination pad/truck wash will be constructed to decontaminate trucks and other vehicles/equipment leaving the Site. The decontamination pad will be sized to accommodate the largest construction vehicle used and located prior to the stabilized construction egress. The decontamination pad may be integrated with the stabilized construction entrance. Dry decontamination will be employed to the extent practical, within a designated area of the Site. All liquid decontamination material will be collected and properly disposed of offsite or treated using an onsite treatment system prior to discharge to the New York

City sewer system. The truck decontamination area/construction entrance will be adequately sloped toward the interior of the Site to prevent offsite tracking of soils.

### 9.3.8 Site Fencing

The Site will be remain fenced and enclosed from public access at all times.

### 9.3.9 Demobilization

Demobilization from the Site will include:

- Removal and restoration of offsite equipment and materials storage areas;
- Removal of all temporary fencing and barricades;
- Restoration of disturbed access areas to pre-remediation conditions, as appropriate;
- Removal of sediment and erosion control measures and disposal of materials in accordance with acceptable rules and regulations;
- Equipment decontamination, as required; and
- General refuse disposal.

## 9.4 Reporting

All daily and monthly Reports will be included in the Final Engineering Report.

### 9.4.1 Daily Reports

Daily reports will be submitted to NYSDEC and NYSDOH Project Managers by the end of the next day following the reporting period and will include:

- An update of progress made during the reporting day;
- Locations of work and quantities of material imported and exported from the Site;
- References to alpha-numeric map for Site activities;
- A summary of any and all complaints with relevant details (names, phone numbers);
- A summary of CAMP results, including excursions;
- An explanation of notable Site conditions;
- A look ahead portion that describes immediate future work; and
- Photos of site activity.

Daily reports are not intended to be the mode of communication for notification to the NYSDEC of emergencies (accident, spill), requests for changes to the RAWP or other sensitive or time critical information. However, such conditions must also be included in the daily reports. Emergency conditions and changes to the RAWP will be addressed directly to NYSDEC Project Manager via personal communication.

These reports will include a summary of air sampling results, odor and dust problems and corrective actions, and all complaints received from the public.

A Site map for use in identifying locations described in reports submitted to NYSDEC is attached on **Figure 3**.

The NYSDEC assigned project number will appear on all reports.

### 9.4.2 Monthly Reports

Monthly reports will be submitted to NYSDEC and NYSDOH Project Managers by the 10th of the month following the end of the month of the reporting period and will include:

- Activities relative to the Site during the previous reporting period and those anticipated for the next reporting period, including a quantitative presentation of work performed (i.e., tons of exported and imported material, etc.);
- Description of approved activity modifications, including changes of work scope and/or schedule;
- Sampling results received following internal data review and validation, as applicable; and
- An update of the remedial schedule including the percentage of project completion, unresolved delays encountered or anticipated that may affect the future schedule, and efforts made to mitigate such delays.

### 9.4.3 Other Reporting

Photographs will be taken of all remedial activities and submitted to NYSDEC in digital (JPEG) format. Photos will illustrate all remedial program elements and will be of acceptable quality. Representative photos of the Site prior to any Remedial Actions will be provided. Representative photos will be provided of each contaminant source, source area and Site structures before, during and after remediation. Photos will be included in the daily reports as needed, and a comprehensive collection of photos will be included in the Final Engineering Report.

The Climate Screening process and results will be documented in the form of a completed checklist and brief letter report. If the Climate Screening results indicate that a Climate Vulnerability Assessment (CVA) is necessary, a complete CVA Report will be developed. The CVA Report will be included as an Appendix or Attachment in the FER and/or submitted as a standalone report.

Job-Site record keeping for all remedial work will be appropriately documented. These records will be maintained onsite at all times during the project and be available for inspection by NYSDEC and NYSDOH staff.

### 9.4.4 Complaint Management Plan

If an odor or dust complaint is received, the following procedure will be implemented:

1. Work in the affected area will be halted, and the source of odors/dust will be identified.
2. NYSDEC, NYSDOH, and the Volunteer will be notified of the complaint.
3. Nuisance odors, if any, will be abated through covering/containerizing excavated materials, backfilling open excavations in a timely manner; and/or using a foam unit or other appropriate measures.
4. As described in NYSDEC DER-10, Appendix 1B – Fugitive Dust Control and discussed in Section 10.6.13 of this RAWP, nuisance dust, if any, will be abated through applying water on haul roads; wetting equipment and excavation faces; spraying water on buckets during excavation and dumping; hauling materials in properly tarped or watertight containers; restricting vehicle speeds to 10 mph; covering excavated areas and material after excavation activity ceases; and reducing the excavation size and/or number of excavations.
5. Work will resume in the affected area when the nuisance odors/dust have been abated, as determined by the Roux onsite personnel.

### 9.4.5 Deviations from the Remedial Action Work Plan

Deviations from the RAWP will be reported to NYSDEC for approval and fully explained in the FER.

# 10. Remedial Action Implementation

## 10.1 Pre-Design Investigation

A PDI work plan will be prepared and submitted to NYSDEC for review and approval under separate cover prior to RAWP implementation. The PDI work plan will outline the sampling plan, methodology, analyses, and frequency for the investigation. The findings of the PDI will further delineate specific horizons of onsite contamination to confirm final remedial excavation depths. The findings of the PDI will be summarized in a PDI Summary Letter Report for submittal to NYSDEC prior to RAWP implementation.

## 10.2 Material Removal from Site

All contaminated soils exceeding the UUSCOs are planned to be removed from the Site. The materials and waste management efforts will consider greener and sustainable approaches related to both the purchase of greener products and material reuse or recycling versus disposal wherever practical.

A summary of the excavation depths, soil removal volume, and soil samples yielding analytical results in excess of the UUSCOs is included in Section 10.5 below. Following remedial excavation, post-excavation confirmation endpoint samples will be collected in accordance with Section 10.4.1, the QAPP, and **Table 20**.

## 10.3 Soil Cleanup Objectives

The Soil Cleanup Objectives for this Site are listed in **Table 19**. The SCOs for this Site are the UUSCOs for the Track 1 Remedial areas and RRSCOs in the Track 2 or 4 Remedial areas, should the Site default to a combined Track 1 Unrestricted Use/Track 4 Restricted Residential Use or combined Track 2 Restricted Use/Track 4 Restricted Residential Use cleanup. Soil and materials management onsite and offsite will be conducted in accordance with the SoMP as described below.

**Tables 1 through 6** present all soil samples that exceed the SCOs proposed for this Remedial Action. **Figure 6** shows all soil samples that exceed the SCOs proposed for this Remedial Action.

## 10.4 Remedial Performance Evaluation (Post Excavation Endpoint Sampling)

Endpoint sampling and reporting will be conducted in accordance with DER-10 and the QAPP and is discussed in the sections below.

A confirmation sample means a sample taken during the course of a remedial action to determine whether cleanup requirements have been achieved or whether further remediation is required.

A documentation sample means a sample taken after remedial action is complete to document the remaining level of contamination.

### 10.4.1 Endpoint Sampling Frequency

A summary of the proposed Track 1 bottom and sidewall confirmation endpoint designations, sample depths, and analytical parameters is summarized in **Table 20**.

**Bottom Sampling**

Bottom confirmation sampling will be conducted at a frequency of one sample per approximately 900 square feet of excavation area (64 samples total). The frequency of bottom sampling proposed for this alternative is consistent with the guidance provided in NYSDEC DER-10 5.4. Confirmation samples will be collected following completion of onsite excavation for remedial and redevelopment purposes in order to ensure UUSCOs have been met and to properly document the remaining onsite soil quality. Confirmation samples will be analyzed for the full suite of parameters (VOCs, SVOCs, metals, pesticides, PCBs, and ECs). In the event that Track 1 SCOs are not achieved in the areas shown on **Figure 11**, the remedy may default to a Track 2 or Track 4 Restricted Residential Use cleanup in those areas. Locations of endpoint samples for each remedial alternative are shown in **Figures 11 – 13**.

A total of 64 bottom confirmation samples (BCS), will be collected at the Site. Samples will be distributed throughout the Site, in a grid-like fashion, and will be biased toward impacts, if any are observed.

**Sidewall Sampling**

As part of the remedial action, sidewall endpoint samples will be collected at the Hot Spot excavation areas only, as detailed in Section 10.5, at a frequency of approximately one per 30 linear feet to evaluate the performance of the remedy with respect to attainment of Track 1 SCOs and to properly document the remaining sidewall soil quality.

Should the Site default to a combined Track 1 Unrestricted Use/Track 4 Restricted Residential Use cleanup or a combined Track 2 Restricted Use/Track 4 Restricted Residential Use cleanup, sidewall sampling will be required to define the boundary between the Track 1/2 and Track 4 Remedial areas. Sidewall samples will be collected at a frequency of one sidewall sample per 30 linear feet (12 sidewall samples total). The frequency of bottom sampling proposed for this alternative is consistent with the guidance provided in NYSDEC DER-10 5.4. Locations of endpoint samples for each remedial alternative are shown in **Figures 11 – 13**.

### 10.4.2 Methodology

Endpoint samples will be collected in accordance with DER-10 Section 5.4(b), except for the modified frequencies described above. Each sample will be inspected for visual evidence of contamination (i.e., staining, presence of petroleum or odors) and field screened for VOCs using a PID. Soil samples to be submitted for analysis will be placed in a laboratory sample jar, placed in an iced cooler and transported to the laboratory.

### 10.4.3 Reporting of Results

The laboratory will report analytical results for endpoint samples in ASP Category B deliverable packages. An EDD in the required NYSDEC format will also be provided by the laboratory.

All endpoint sample data generated for the Remedial Action will be logged in a database and organized to facilitate data review and evaluation. The electronic dataset will include the data flags provided in accordance with USEPA Laboratory Data Validation Functional Guidelines for Evaluating Organic Analysis and Inorganic Analyses, as well as additional comments of the data review for ASP analyses. The data flags include such items as: 1) concentration below required detection limit; 2) estimated concentration due to poor recovery below required detection limit; 3) estimated concentration due to poor spike recovery; and 4) concentration of chemical also found in laboratory blank.

### 10.4.4 QA/QC

QA/QC samples serve as checks on both the sampling and measurement systems and assist in determining the overall data quality with regard to representation, accuracy, and precision. The QAPP/FSP, included as **Appendix F** to this RAWP, describes QA/QC procedures and sampling for the project.

### 10.4.5 DUSR

A DUSR will be prepared to evaluate the endpoint samples by a party independent from the laboratory performing the analysis in accordance with Appendix 2B of DER-10. The QAPP/FSP, included as **Appendix F** to this RAWP, describes the DUSR to be prepared for the project.

### 10.4.6 Reporting of Endpoint Data in FER

Chemical laboratories used for all endpoint sample results and contingency sampling will be NYSDOH ELAP certified. Endpoint sampling frequency is described in Section 10.4.1. The FER will provide a tabular and map summary of all endpoint sample results and exceedances of SCOs.

## 10.5 Estimated Material Removal Quantities

The proposed remedial action includes remedial excavation and offsite disposal of a total of approximately 13,000 in-place CY of soil across the Site to achieve a Track 1 Unrestricted Use cleanup. Exceedances of UUSCOs across the Site range from 4 to 17 ft bls. The remedial excavation depth will range from 4 to 17 ft bls (actual volume is subject to change based on field conditions, results of the PDI, and post-excavation endpoint sampling), based on the following exceedances of UUSCOs identified as part of the Phase II ESA, SI, and RI:

| Remedial Excavation Area ID | Estimated Remedial Excavation Depth (ft bls) | Applicable Soil Sample ID and Depth |
|---|---|---|
| Area A | 4 ft bls | RXSB-4 (2-4)<br>RXSB-5 (2-4)<br>RXSB-6 (2-4)<br>RXSB-11 (2-4) |
| Area B | 6 ft bls | RXSB-2 (4-6)<br>SB-03 (5-7)<br>RXSB-8 (4-6)<br>RXSB-20 (4-6)<br>RXSB-25 (4-6) |
| Area C | 8 ft bls | RXSB-9 (6-8)<br>RXSB-10 (6-8) |
| Hot Spot 1 | 8 ft bls | RXSB-19 (6-8) |
| Hot Spot 2 | 10 ft bls | RXSB-21 (6-8)<br>RXSB-23 (8-10) |
| Hot Spot 3 | 12 ft bls | RXSB-13 (10-12) |
| Hot Spot 4 | 17 ft bls | SB-02 (15-17) |

As part of the RI field implementation, Roux completed waste characterization sampling for all soil proposed for excavation and offsite disposal. Based on the waste characterization analytical results, the soil to be disposed of offsite was characterized to be non-hazardous.

## 10.6 Soil/Materials Management Plan

The following sections provide the Soil/Materials Management Plan (SoMP) to be implemented during the Remedial Action.

### 10.6.1 Soil Screening Methods

Visual, olfactory, and PID soil screening and assessment will be performed by a qualified environmental professional or experienced field geologist under the direction of the Remedial Engineer during all remedial and development excavations into known or potentially contaminated material. Soil screening will be performed regardless of when the invasive work is done and will include all excavation and invasive work performed during the remedy, prior to issuance of the COC.

All primary contaminant sources (including but not limited to tanks and hotspots) identified during Site Characterization, Remedial Investigation, and Remedial Action will be surveyed by a surveyor licensed to practice in the State of New York. This information will be provided on maps in the Final Engineering Report.

Resumes will be provided for all personnel responsible for field screening (i.e., those representing the Remedial Engineer) of invasive work for unknown contaminant sources during remediation and development work.

### 10.6.2 Stockpile Methods

Although direct loading of trucks will be performed to the extent practical, stockpiles, if any, will be inspected at a minimum once each week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by NYSDEC.

Stockpiles, if any, will always be kept covered with appropriately anchored tarps when not actively used. Stockpiles will be routinely inspected, and damaged tarp covers will be promptly replaced.

Soil stockpiles, if any, will be continuously encircled with silt fences or hay bales. Hay bales will be used as needed near catch basins and other discharge points.

Water will be available onsite at suitable supply and pressure for use in dust control.

### 10.6.3 Materials Excavation and Load Out

The Remedial Engineer or a qualified environmental professional under her supervision will oversee all invasive work and the excavation and load-out of all excavated material.

Loaded vehicles leaving the Site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and NYSDOT requirements (and all other applicable transportation requirements).

A truck wash will be operated on site. The Remedial Engineer or their designated representative will be responsible for ensuring that all outbound trucks will be free of Site soil clinging to their exterior before leaving the Site until the remedial construction is complete.

Locations where vehicles enter or exit the Site shall be inspected daily for evidence of offsite sediment tracking.

The Remedial Engineer or their designated representative will be responsible for ensuring that all egress points for truck and equipment transport from the Site will be clean of dirt and other materials derived from the Site during Site remediation and development. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

The Remedial Engineer will ensure that Site development activities will not interfere with, or otherwise impair or compromise, remedial activities proposed in this RAWP.

If required, each hotspot and structure to be remediated (USTs, vaults and associated piping, transformers, etc.) will be removed and endpoint remedial performance sampling completed before excavations related to Site development commence proximal to the hotspot or structure.

Mechanical processing of historical fill and contaminated soil onsite is prohibited.

All primary contaminant sources (including but not limited to tanks and hotspots, if any) identified during Site Characterization, Remedial Investigation, and Remedial Action will be surveyed by a surveyor licensed to practice in the State of New York. The survey information will be shown on maps to be reported in the Final Engineering Report.

### 10.6.4 Materials Transport Offsite

All transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

Truck transport routes are as described in Section 9.2.6. All trucks loaded with Site materials will exit the vicinity of the Site using only these approved truck routes.

Material transported by trucks exiting the Site will be secured with tight-fitting covers. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used.

Cleaning of trucks prior to exiting the Site is discussed in Section 9.3.7.

### 10.6.5 Materials Disposal Offsite

The disposal locations will be determined prior to implementation of the remedial action and will be reported to the NYSDEC Project Manager.

The total remedial quantity of material expected to be disposed offsite is approximately 13,000 in-place CY of soil exceeding UUSCOs across the Site.

All soil/fill/solid waste exceeding UUSCOs that is excavated and removed from the Site will be treated as contaminated and regulated material and will be disposed in accordance with all local, State (including 6NYCRR Part 360) and Federal regulations. If disposal of soil/fill from this Site is proposed for unregulated disposal (i.e., clean soil removed for development purposes), a formal request with an associated plan will be made to NYSDEC's Project Manager. Unregulated offsite management of materials from this Site is prohibited without formal NYSDEC approval.

Material that does not meet Track 1 UUSCOs is prohibited from being taken to a New York State recycling facility (6NYCRR Part 360-15 Registration Facility).

The required documentation will be obtained and reported by the Remedial Engineer, as summarized in Section 9.1.5.8. These documents will be included in the FER.

Soils that are contaminated but non-hazardous and are being removed from the Site are considered by the Division of Materials Management (DMM) in NYSDEC to be Construction and Demolition (C/D) materials with contamination not typical of virgin soils. These soils may be sent to a permitted Part 360 landfill. They may be sent to a permitted C/D processing facility without permit modifications only upon prior notification of NYSDEC Region 2 DMM. In this case, as dictated by DMM, special procedures will include, at a minimum, a letter to the C/D facility that provides a detailed explanation that the material is derived from a DER remediation Site, that the soil material is contaminated and that it must not be redirected to onsite or offsite Soil Recycling Facilities. The letter will provide the project identity and the name and phone number of the Remedial Engineer. The letter will include as an attachment a summary of all chemical data for the material being transported.

The Final Engineering Report will include an accounting of the destination of all material removed from the Site during this Remedial Action, including excavated soil, contaminated soil, urban fill, solid waste, non-regulated material, and fluids. Documentation associated with disposal of all material must also include records and approvals for receipt of the material. This information will also be presented in a tabular form in the FER.

A Bill of Lading system or equivalent will be used for offsite movement of non-hazardous wastes and contaminated soils. This information will be reported in the Final Engineering Report.

### 10.6.6 Materials Reuse Onsite

Although not planned, onsite soil may be reused for backfill. In the event this occurs, chemical criteria for onsite reuse of material has been approved by NYSDEC. These criteria are listed in **Table 19**. The Remedial Engineer will ensure that procedures defined for materials reuse in this RAWP are followed and that unacceptable material will not remain onsite.

A “Request to Import/Reuse Fill Material” form will be filed with the NYSDEC project manager for review and approval prior to material reuse on the site. A copy of the form is presented in **Appendix H**.

Contaminated onsite material, including contaminated fill material and contaminated soil, removed for grading or other purposes will not be reused within a cover soil layer (if required), within landscaping berms, or as backfill for subsurface utility lines.

### 10.6.7 Fluids Management

Due to the depth of groundwater at the Site, dewatering will not be required and fluids generation, if any, is expected to be minimal. All liquids to be removed from the Site, if any, will be handled, transported, and disposed of in accordance with applicable local, State, and Federal regulations.

### 10.6.8 Demarcation (Contingency)

Engineering controls are not currently required for the Track 1 Unrestricted Use cleanup, however, should the Site default to a combined Track 1 Unrestricted Use/Track 4 Restricted Residential Use cleanup or a Track 2/Track 4 restricted residential cleanup, a land survey will be completed by a New York State licensed surveyor to define the top elevation of residual contaminated soils in the Track 4 Remedial area. A physical demarcation layer, consisting of the underside of the impervious surface systems (concrete or asphalt) associated with the walkways and traffic areas, and a geotextile layer, or equivalent, in landscaped areas will provide a visual reference. This demarcation layer will constitute the top of the 'Residuals Management Zone,' the zone that requires adherence to special conditions for disturbance of contaminated residual soils defined in the SMP. The survey will measure the grade covered by the demarcation layer before the placement of cover soils, pavement and sub-soils, structures, or other materials. This survey and the demarcation layer placed on this grade surface will constitute the physical and written record of the upper surface of the 'Residuals Management Zone' in the SMP. A map showing the survey results will be included in the FER and the SMP, if applicable.

### 10.6.9 Backfill from Offsite Sources

All materials proposed for import onto the Site will be approved by the Remedial Engineer and will be in compliance with provisions in this RAWP prior to receipt at the Site. Clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) and DER-10, section 5.4(e) will be brought in to replace the excavated soil and establish the designed grades at the Site. Any backfill requiring sampling will be analyzed for the full suite of Part 375 parameters and ECs.

Solid waste, material from industrial sites, spill sites, other environmental remediation sites or other potentially contaminated sites will not be imported to the Site. Material from other environmental remediation sites will not be imported to the Site without prior approval of NYSDEC.

The Final Engineering Report will include the following certification by the Remedial Engineer: *"I certify that all import of soils from offsite, including source evaluation, approval and sampling, has been performed in a manner that is consistent with the methodology defined in the Remedial Action Work Plan."*

All imported soil will meet NYSDEC approved backfill or cover soil quality objectives for this Site. These NYSDEC approved backfill or cover soil quality objectives for Track 1 are the UUSCOs and for the Track 4 Remedial area, if applicable, are the lower of the RRSCOs or PGWSCOs and are listed in **Table 19**. Non-compliant soil will not be imported onto the Site without prior approval by NYSDEC. Nothing in the approved RAWP or its approval by NYSDEC should be construed as an approval for this purpose.

Soils that meet "general fill" requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this Site, will not be imported onto the Site without prior approval by NYSDEC. Nothing in this RAWP should be construed as an approval for this purpose.

A "Request to Import/Reuse Fill Material" form will be filed with the NYSDEC project manager for review and approval prior to import to the site. A copy of the form is presented in **Appendix H**.

Backfill material that may be used for this Site includes soil, gravel or stone.

### 10.6.10 Stormwater Pollution Prevention

Stormwater pollution prevention measures are discussed in Sections 9.1.7 and 9.3.2.

### 10.6.11 Contingency Plan

In the event that underground tanks or other previously unidentified contaminant sources are found during onsite remedial excavation, sampling will be performed on product, sediment and surrounding soils, etc. Chemical analytical work will be for full suite of parameters (VOCs, SVOCs, metals, pesticides, PCBs, and ECs), or a more limited list as approved by NYSDEC. Analyses will not be otherwise limited without NYSDEC approval. Discovery of underground storage tanks will be handled in accordance with NYSDEC DER-10, Section 5.5.

Identification of unknown or unexpected contaminated media identified by screening during invasive Site work will be promptly communicated by phone to NYSDEC's Project Manager. These findings will also be included in daily and monthly reports and in the FER.

### 10.6.12 Community Air Monitoring Plan

CAMP will be conducted during any intrusive activities until Track 1 SCOs are met in that portion of the Site. The CAMP is included as **Appendix F** within the HASP in **Appendix E**. A map showing the location of mobile sampling stations will be provided in each daily CAMP report.

Exceedances observed in the CAMP will be reported to NYSDEC and NYSDOH Project Managers and included in the daily report.

### 10.6.13 Odor, Dust and Nuisance Control Plan

The FER will include the following certification by the Remedial Engineer: *"I certify that all invasive work during the remediation and all invasive development work were conducted in accordance with dust and odor suppression methodology defined in the Remedial Action Work Plan."*

#### 10.6.13.1 Odor Control Plan

This odor control plan is capable of controlling emissions of nuisance odors offsite and onsite. Specific odor control methods to be used on a routine basis will include limiting open excavation areas and covering excavated soil (i.e., with polyethylene sheeting or in covered roll off containers). If nuisance odors are identified, work will be halted, and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events and of all other complaints about the project. Implementation of all odor controls, including the halt of work, will be the responsibility of the Volunteer's Remedial Engineer, who is responsible for certifying the Final Engineering Report.

All necessary means will be employed to prevent on- and offsite nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) using foams to cover exposed odorous soils. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include: (d) use of chemical odorants in spray or misting systems; and (e) use of staff to monitor odors in surrounding neighborhoods.

Where odor nuisances have developed during remedial work and cannot be corrected, or where the release of nuisance odors cannot otherwise be avoided due to onsite conditions or close proximity to sensitive receptors, odor control will be achieved by sheltering excavation and handling areas under tented containment structures equipped with appropriate air venting/filtering systems.

#### 10.6.13.2 Dust Control Plan

A dust suppression plan that addresses dust management during invasive onsite work, will include, at a minimum, the items listed below and will comply with NYSDEC DER-10 Appendix 1B – Fugitive Dust Control:

- Dust suppression will be achieved through applying water on haul roads; wetting equipment and excavation faces; spraying water on buckets during excavation and dumping; hauling materials in properly tarped or watertight containers; restricting vehicle speeds to 10 mph; covering excavated areas and material after excavation activity ceases; and reducing the excavation size and/or number of excavations.
- Clearing and grubbing will be done in stages to limit the area of exposed, unvegetated soils vulnerable to dust production.
- Gravel will be used on roadways to limit dust generation.

#### 10.6.13.3 Other Nuisances

A plan for rodent control will be developed and utilized by the contractor prior to and during Site clearing and Site grubbing, and during all remedial work.

A plan will be developed and utilized by the contractor for all remedial work and will conform, at a minimum, to NYCDEP noise control standards.

## 10.7 Post-Remediation Soil Vapor Intrusion Evaluation

A soil vapor intrusion evaluation will be completed post-remediation. The evaluation will be summarized in the FER and include a desktop review of all onsite analytical data relative to the future uses of the property and sampling at co-located sub-slab and indoor air samples. A total of three sub-slab vapor monitoring points will be installed in conjunction with slab construction and vapor barrier installation to avoid damaging the 20-mil vapor barrier/waterproofing membrane. The three sub-slab monitoring point and indoor air sample locations will be within occupied spaces in the cellar level of the future building. During Site remediation and redevelopment, sub-slab depressurization system piping will be installed which will mitigate potential vapor intrusion, should the post-construction sub-slab and indoor air sample analytical data indicate mitigation is necessary.

# 11. Remaining Contamination Onsite

The goal of the remedial action for this Site is a Track 1 Unrestricted Use cleanup and remaining contamination is not anticipated to be present at the Site. Should the Site default to a combined Track 1 Unrestricted Use/Track 4 Restricted Residential Use cleanup or a combined Track 2 Restricted Use/Track 4 Restricted Residential Use cleanup, ECs and ICs would be required where Track 1 has not been achieved to protect human health and the environment. Long-term management of EC/ICs and of residual contamination would be executed under a Site-specific SMP that will be developed and included in the FER.

## 11.1 Engineering Controls

Should the Site default to a combined Track 1 Unrestricted Use/Track 4 Restricted Residential Use cleanup or Track 2/Track 4 Restricted Residential Use cleanup Remedial Alternative 2, an engineering control in the form of a Site composite cover system elements to be completed as part of this RAWP. The composite Site cover system will consist of a concrete building slab and foundation walls, concrete paver covered walkways underlain with a concrete slab, and/or landscaped areas (which will include a minimum of two feet of soil meeting the lower of the NYSDEC PGWSCOs and RRSCOs over existing Site soil) in the Track 4 Remedial Area. A physical demarcation layer, consisting of the underside of concrete slab, the underside of the concrete slab associated with the concrete paver walkways and a geotextile layer or equivalent in landscaped areas will be used to provide a visual reference above residual contamination. Clean stone or soil used for the cover system will be in compliance with procedures defined for material import in the SoMP and will meet NYSDEC-approved cover soil quality objectives for this Site.

## 11.2 Institutional Controls

Should the Site default to a combined Track 1 Unrestricted Use/Track 4 Restricted Residential Use cleanup or Track 2/Track 4 Restricted Residential Use cleanup Remedial Alternative 2, the Site will have soils exceeding RRSCOs remaining in place. ECs have been incorporated into the Remedial Action to render the Site remedy protective of public health and the environment. Two elements have been designed to ensure continual and proper management of soils that exceed RRSCOs in perpetuity: an Environmental Easement and a SMP.

A Site-specific Environmental Easement will be recorded with Kings County to provide an enforceable means of ensuring the continual and proper management of soils that exceed RRSCOs and protection of public health and the environment. It will require the grantor of the Environmental Easement and the grantor's successors and assigns to adhere to all ECs/ICs placed on this Site by this NYSDEC-approved remedy. ICs provide restrictions onsite usage and mandate operation, maintenance, and reporting measures for all ECs and ICs. The SMP describes appropriate methods and procedures to ensure compliance with all ECs and ICs that are required by the Environmental Easement. Once the SMP has been approved by the NYSDEC, compliance with the SMP is required by the grantor of the Environmental Easement and grantor's successors and assigns.

### 11.2.1 Environmental Easement

An Environmental Easement, as defined in Article 71 Title 36 of the Environmental Conservation Law, is required when soils exceeding RRSCOs is left onsite after the Remedial Action is complete. As part of this Remedial Action, an Environmental Easement approved by NYSDEC will be filed and recorded with the Kings County Clerk. The Environmental Easement will be submitted as part of the FER.

The Environmental Easement renders the Site a Controlled Property. The Environmental Easement:

1. requires the remedial party or Site owner to complete and submit to the NYSDEC a periodic certification of ICs and ECs in accordance with Part 375-1.8 (h)(3);
2. allows the use and development of the controlled property for restricted residential, commercial, or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws; and
3. requires compliance with the Department approved SMP.

The Environmental Easement must be recorded with the Kings County Clerk before the Certificate of Completion can be issued by NYSDEC. A series of ICs are required under this remedy to implement, maintain and monitor the ECs. These ICs are requirements or restrictions placed on the Site, that are listed in and required by the Environmental Easement. ICs can, generally, be subdivided between controls that support ECs, and those that place general restrictions onsite usage or other requirements. ICs in both of these groups are closely integrated with the SMP, which provides all of the methods and procedures to be followed to comply with this remedy.

The ICs that support ECs are:

- Compliance with the Environmental Easement by the Grantee and the Grantee's successors and adherence of all elements of the SMP is required;
- All ECs must be operated and maintained as specified in this SMP;
- A Site composite cover system consisting of a concrete building slab and foundation walls, concrete paver covered walkways underlain with a concrete slab, and/or landscaped areas (which will include a minimum of two feet of soil meeting the lower of the NYSDEC PGWSCOs and RRSCOs over existing Site soil) must be inspected, certified, and maintained as required in the SMP;
- All ECs on the Controlled Property must be inspected and certified at a frequency and in a manner defined in the SMP;
- Data and information pertinent to Site Management for the Controlled Property must be reported at the frequency and in a manner defined in the SMP; and
- ECs may not be discontinued without an amendment or extinguishment of the Environmental Easement.

Adherence to these ICs for the Site is mandated by the Environmental Easement and will be implemented under the SMP (discussed in the next section). The Controlled Property (Site) will also have a series of ICs in the form of Site restrictions and requirements. The Site restrictions that apply to the Controlled Property are:

- Vegetable gardens and farming on the Controlled Property are prohibited, with the exception of raised planters;
- Use of groundwater underlying the Controlled Property is prohibited without treatment rendering it safe for intended purpose;
- All future activities on the Controlled Property that will disturb soil that exceed RRSCOs are prohibited unless they are conducted in accordance with the soil management provisions in the SMP;
- The Controlled Property may be used for industrial use only, provided the long-term ECs and ICs included in the SMP are employed; and
- The Controlled Property may not be used for a higher level of use without an amendment or extinguishment of this Environmental Easement and unless allowed by local zoning.

Grantor agrees to submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow. This annual statement must be certified by an expert that the NYSDEC finds acceptable.

### 11.2.2 Site Management Plan

Site Management is the last phase of remediation and begins with the approval of the FER and issuance of the Certificate of Completion for the Remedial Action. The SMP is submitted as part of the FER but will be written in a manner that allows its removal and use as a complete and independent document. Site Management continues in perpetuity or until released in writing by NYSDEC. The property owner is responsible to ensure that all Site Management responsibilities defined in the Environmental Easement and the SMP are performed.

The SMP is intended to provide a detailed description of the procedures required to manage residual contamination left in place at the Site following completion of the Remedial Action in accordance with the BCA with the NYSDEC. This includes: (1) development, implementation, and management of all ECs and ICs; (2) development and implementation of monitoring systems and a Monitoring Plan; (3) development of a plan to operate and maintain any treatment, collection, containment, or recovery systems (including, where appropriate, preparation of an Operation and Maintenance Manual); (4) submittal of Site Management Reports, performance of inspections and certification of results, and demonstration of proper communication of Site information to NYSDEC; and (5) defining criteria for termination of treatment system operation.

A Site Management Plan is required, which includes the following:

1. an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:
    a. Institutional Controls: The Environmental Easement discussed in Section 11.2.1.
    b. Engineering Controls: The Site composite cover system discussed in Section 11.1.

    This plan includes, but may not be limited to:

    - an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;
    - descriptions of the provisions of the environmental easement including any land use, and groundwater or surface water use restrictions;
    - provisions for the management and inspection of the identified engineering controls;
    - maintaining site access controls and Department notification; and
    - the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.
2. A Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to:
    a. monitoring of the composite cover system to assess the performance and effectiveness of the remedy; and

b. a schedule of monitoring and frequency of submittals to the NYSDEC.

Site management activities, reporting, and EC/IC certification will be scheduled on a certification period basis and summarized in a Periodic Review Report (PRR). The certification period will be annually. The Site Management Plan will be based on the certifying period relative to the date of issuance of the COC. The first submission will be due 16 months after the issuance of the COC, and annually (or at another frequency as approved by NYSDEC) thereafter.

No exclusions for handling of residual contaminated soils will be provided in SMP. All handling of residual contaminated material will be subject to provisions contained in the SMP.

# 12. Final Engineering Report

A FER will be submitted to NYSDEC following implementation of the Remedial Action defined in this RAWP. The FER provides documentation that the remedial work required under this RAWP has been completed and has been performed in compliance with this plan. The FER will provide a comprehensive account of the locations and characteristics of all material removed from the Site including the surveyed map(s) of all sources. The FER will include as-built drawings for all constructed elements, certifications, manifests, and bills of lading. The FER will provide a description of the changes in the Remedial Action from the elements provided in the RAWP. The FER will provide a tabular summary of all performance evaluation sampling results and all material characterization results and other sampling and chemical analysis performed as part of the Remedial Action. The FER will provide test results demonstrating that all mitigation and remedial systems are functioning properly. The FER will be prepared in conformance with DER-10, Section 5.8.

The FER will include written and photographic documentation of all remedial work performed under this remedy.

The FER will provide a thorough summary of all remaining contamination left on the Site after the remedy is complete. Remaining contamination includes all contamination that exceeds the Track 1 UUSCOs in 6NYCRR Part 375-6. If Track 1 is not met across the Site, a table that shows exceedances from Track 1 UUSCOs for all soil/fill remaining at the Site after the Remedial Action and a map that shows the location and summarizes exceedances from Track 1 Unrestricted Use SCOs for all soil/fill remaining at the Site after the Remedial Action will be included in the FER.

The FER will provide a thorough summary of all remaining contamination that exceeds the SCOs defined for the Site in the RAWP and must provide an explanation for why the material was not removed as part of the Remedial Action. A table that shows remaining contamination in excess of Site SCOs and a map that shows remaining contamination in excess of Site SCOs will be included in the FER.

The FER will include an accounting of the destination of all material removed from the Site, including excavated contaminated soil, urban fill, solid waste, non-regulated material, and fluids. Documentation associated with disposal of all material must also include records and approvals for receipt of the material. It will provide an accounting of the origin and chemical quality of all material imported onto the Site.

Before approval of a FER and issuance of a Certificate of Completion, all project reports must be submitted in digital form on electronic media (PDF).

## 12.1 Certifications

The following certification will appear in front of the Executive Summary of the Final Engineering Report. This certification will be appropriately signed and stamped. The certification will include the following statements:

> *I, Charles J. McGuckin, am currently a registered professional engineer licensed by the State of New York. I had primary direct responsibility for implementation of the remedial program for the 366 Rockaway Ave. Cabinet Furniture Manufacturing site (NYSDEC BCA Index No. C224357-224357-12-22, No. C224357).*

*I certify that the Site description presented in this FER is identical to the Site descriptions presented in the Environmental Easement, the SMP, and the Brownfield Cleanup Agreement for the 366 Rockaway Ave. Cabinet Furniture Manufacturing site and related amendments.*

*I certify that the Remedial Action Work Plan dated [month day year] and approved by the NYSDEC were implemented and that all requirements in those documents have been substantively complied with.*

*I certify that the remedial activities were observed by qualified environmental professionals under my supervision and that the remediation requirements set forth in the Remedial Action Work Plan and any other relevant provisions of ECL 27-1419 have been achieved.*

*I certify that all use restrictions, ICs, ECs, and all operation and maintenance requirements applicable to the Site are contained in an Environmental Easement created and recorded pursuant ECL 71-3605 and that all affected local governments, as defined in ECL 71-3603, have been notified that such easement has been recorded. A SMP has been submitted by the Volunteer for the continual and proper operation, maintenance, and monitoring of all ECs employed at the Site, including the proper maintenance of all remaining monitoring wells, and that such plan has been approved by the NYSDEC.*

*I certify that the export of all contaminated soil, fill, water, or other material from the property was performed in accordance with the Remedial Action Work Plan and were taken to facilities licensed to accept this material in full compliance with all Federal, State and local laws.*

*I certify that all import of soils from offsite, including source approval and sampling, has been performed in a manner that is consistent with the methodology defined in the Remedial Action Work Plan.*

*I certify that all invasive work during the remediation and all invasive development work were conducted in accordance with dust and odor suppression methodology and soil screening methodology defined in the Remedial Action Work Plan.*

*I certify that all information and statements in this certification are true. I understand that a false statement made herein is punishable as Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.*

*It is a violation of Article 145 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 145, New York State Education Law.* Where DER has determined that the Site does not represent a significant threat to public health and the environment and where contaminants in groundwater at the site boundary contravene drinking water standards, the following statement will be added to the certification:

*No new information has come to the remedial party (site owners) attention, including groundwater monitoring data from wells located at the site boundary, if any, to indicate that the assumptions made in the qualitative exposure assessment of offsite contamination are no longer valid,"* and

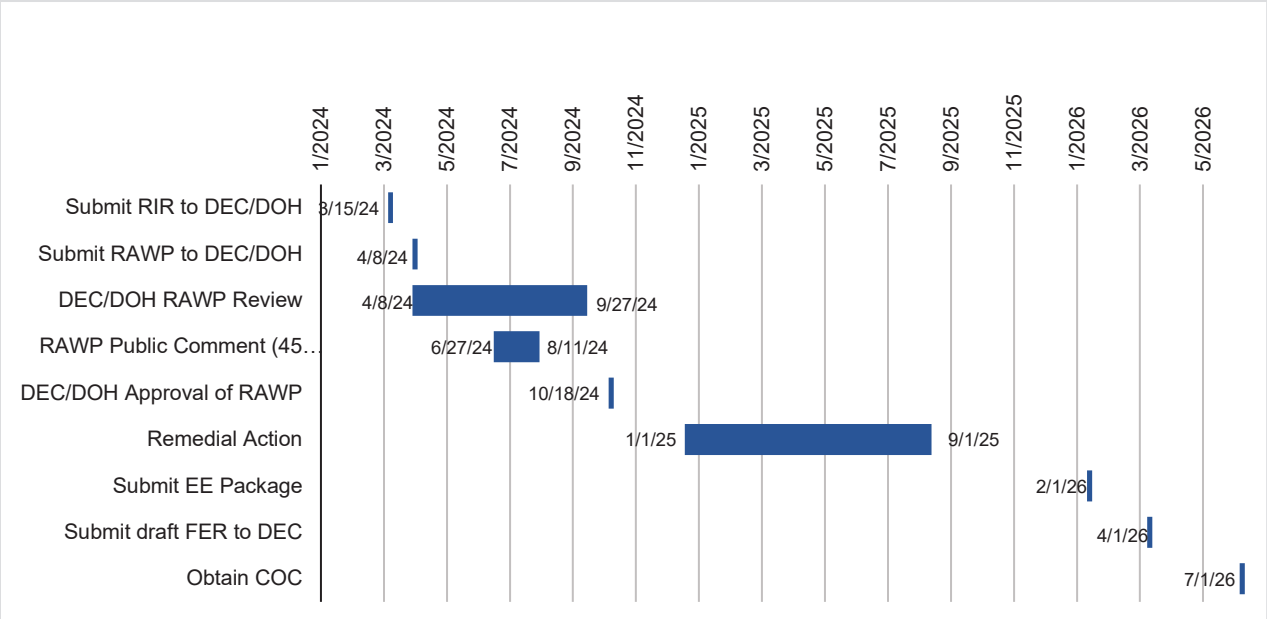
In addition, every five years the following statement (g) will be added to the certification:

*"The assumptions made in the qualitative exposure assessment remain valid."*

The certification will be signed by the Remedial Engineer, Charles J. McGuckin, who is a Professional Engineer registered in New York State.

# 13. Schedule

A schedule for the proposed Remedial Action is presented below.



# TABLES

1. Summary of VOCs in Soil Samples
2. Summary of SVOCs in Soil Samples
3. Summary of Metals in Soil Samples
4. Summary of PCBs in Soil Samples
5. Summary of Pesticides and Herbicides in Soil Samples
6. Summary of PFAS in Soil Samples
7. Summary of VOCs in Groundwater Samples
8. Summary of SVOCs in Groundwater Samples
9. Summary of Metals in Groundwater Samples
10. Summary of PCBs in Groundwater Samples
11. Summary of Pesticides and Herbicides in Groundwater Samples
12. Summary of Per- and Polyfluoroalkyl Substances in Groundwater
13. Summary of VOCs in Soil Vapor
14. Groundwater Gauging Data
15. Remedial Alternative 1 Remedial Cost Estimate
16. Remedial Alternative 2 Remedial Cost Estimate
17. Remedial Alternative 3 Remedial Cost Estimate
18. List of Required Permits
19. Track 1 and Track 2/4 Soil Cleanup Objectives
20. List of Confirmation Endpoint Samples

| Notes Utilized Throughout Tables | |
|---|---|
| **Soil Tables** | |
| J - | Estimated value |
| J+ - | Estimated value, high bias |
| U - | The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit |
| T - | Indicates that a quality control parameter has exceeded laboratory limits |
| R - | Sample results rejected by validator |
| UJ - | Analyte was not detected. The associated reported quantitation limit is an estimate |
| NJ - | Detection is tentative in identification and estimated in value |
| ft or in bls - | Feet or inches below land surface |
| DUP - | Duplicate sample |
| FD - | Duplicate sample |
| NA - | Compound was not analyzed for by laboratory |
| µg/kg - | Micrograms per kilogram |
| mg/kg - | Milligrams per kilogram |
| NYSDEC - | New York State Department of Environmental Conservation |
| SCO - | Soil Cleanup Objectives |
| -- | No SCO available |
| Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO | |
| Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO | |
| Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO | |
| **Per- and Polyfluoroalkyl Substances (PFAS)** | |
| GV - | Guidance Values issued January 2020 and updated March 2023 |
| 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 | |
| **Groundwater Tables** | |
| J - | Estimated Value |
| J+ - | Estimated value, high bias |
| J- - | Estimated value, low bias |
| U - | The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit |
| R - | Sample results rejected by validator |
| UJ - | Analyte was not detected. The associated reported quantitation limit is an estimate |
| NJ - | Detection is tentative in identification and estimated in value |
| 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 |

| Notes Utilized Throughout Tables | |
|---|---|
| **Groundwater Tables, continued** | |
| -- | No NYSDEC AWQSGV available |
| Bold data indicates that parameter was detected above the NYSDEC AWQSGVs | |
| **Per- and Polyfluoroalkyl Substances** | |
| PFAS - | Per- and Polyfluoroalkyl Substances |
| GV - | Guidance Values |
| EMPC - | The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample |
| Bold data indicates that parameter exceeded the NYSDEC January 2021 PFAS GV | |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-12 | RXSB-12 | RXSB-13 |
|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 11/17/2022 | 11/17/2022 | 12/14/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 | 4 - 6 | 2 - 6 in |
| | | | | Normal Sample or Field Duplicate: | 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-Trichloroethane (TCA) | 0.68 | 100 | 0.68 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| 1,1,2,2-Tetrachloroethane | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| 1,1,2-Trichloroethane | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| 1,1-Dichloroethane | 0.27 | 26 | 0.27 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| 1,1-Dichloroethene | 0.33 | 100 | 0.33 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| 1,2,3-Trichlorobenzene | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| 1,2,4-Trichlorobenzene | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| 1,2,4-Trimethylbenzene | 3.6 | 52 | 3.6 | MG/KG | NA | NA | 0.0011 U |
| 1,2-Dibromo-3-Chloropropane | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| 1,2-Dichlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| 1,2-Dichloroethane | 0.02 | 3.1 | 0.02 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| 1,2-Dichloropropane | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 8.4 | 52 | 8.4 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| 1,3-Dichlorobenzene | 2.4 | 49 | 2.4 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| 1,4-Dichlorobenzene | 1.8 | 13 | 1.8 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| 2-Hexanone | -- | -- | -- | MG/KG | NA | NA | 0.0056 U |
| Acetone | 0.05 | 100 | 0.05 | MG/KG | 0.0065 U | 0.006 U | 0.0067 U |
| Benzene | 0.06 | 4.8 | 0.06 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| Bromochloromethane | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| Bromodichloromethane | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| Bromoform | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| Bromomethane | -- | -- | -- | MG/KG | NA | NA | 0.0022 U |
| Carbon Disulfide | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| Carbon Tetrachloride | 0.76 | 2.4 | 0.76 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| Chlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| Chloroethane | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| Chloroform | 0.37 | 49 | 0.37 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| Chloromethane | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| Cis-1,2-Dichloroethylene | 0.25 | 100 | 0.25 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| Cis-1,3-Dichloropropene | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-12 | RXSB-12 | RXSB-13 |
| | | | | Sample Date: | 11/17/2022 | 11/17/2022 | 12/14/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 | 4 - 6 | 2 - 6 in |
| | | | | Normal Sample or Field Duplicate: | N | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | | |
| Cyclohexane | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| Dibromochloromethane | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| Dichlorodifluoromethane | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| Ethylbenzene | 1 | 41 | 1 | MG/KG | 0.0011 U | 0.00028 J | 0.0011 U |
| Isopropylbenzene (Cumene) | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| m,p-Xylene | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| Methyl Acetate | -- | -- | -- | MG/KG | NA | NA | 0.0056 U |
| Methyl Ethyl Ketone (2-Butanone) | 0.12 | 100 | 0.12 | MG/KG | 0.0054 U | 0.005 U | 0.0056 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | -- | -- | MG/KG | NA | NA | 0.0056 U |
| Methylcyclohexane | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| Methylene Chloride | 0.05 | 100 | 0.05 | MG/KG | 0.0022 U | 0.002 U | 0.0022 U |
| N-Butylbenzene | 12 | 100 | 12 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| N-Propylbenzene | 3.9 | 100 | 3.9 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| O-Xylene (1,2-Dimethylbenzene) | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| Sec-Butylbenzene | 11 | 100 | 11 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| Styrene | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| T-Butylbenzene | 5.9 | 100 | 5.9 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| Tert-Butyl Methyl Ether | 0.93 | 100 | 0.93 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| Tetrachloroethylene (PCE) | 1.3 | 19 | 1.3 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| Toluene | 0.7 | 100 | 0.7 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| Trans-1,2-Dichloroethene | 0.19 | 100 | 0.19 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| Trans-1,3-Dichloropropene | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| Trichloroethylene (TCE) | 0.47 | 21 | 0.47 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| Trichlorofluoromethane | -- | -- | -- | MG/KG | NA | NA | 0.0011 U |
| Vinyl Chloride | 0.02 | 0.9 | 0.02 | MG/KG | 0.0011 U | 0.001 U | 0.0011 U |
| Xylenes | **0.26** | 100 | 1.6 | MG/KG | 0.00027 J | 0.002 | 0.0022 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-13_WC-A1-3 | RXSB-13_WC-A1-3 |
|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/13/2023 | 12/14/2023 |
| | | | | Sample Depth (ft or in bls): | 6 - 8 ft | 12 - 14 ft |
| | | | | Normal Sample or Field Duplicate: | 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-Trichloroethane (TCA) | 0.68 | 100 | 0.68 | MG/KG | 0.00098 U | 0.0012 U |
| 1,1,2,2-Tetrachloroethane | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| 1,1,2-Trichloroethane | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| 1,1-Dichloroethane | 0.27 | 26 | 0.27 | MG/KG | 0.00098 U | 0.0012 U |
| 1,1-Dichloroethene | 0.33 | 100 | 0.33 | MG/KG | 0.00098 U | 0.0012 U |
| 1,2,3-Trichlorobenzene | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| 1,2,4-Trichlorobenzene | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| 1,2,4-Trimethylbenzene | 3.6 | 52 | 3.6 | MG/KG | 0.00098 U | 0.0012 U |
| 1,2-Dibromo-3-Chloropropane | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| 1,2-Dichlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.00098 U | 0.0012 U |
| 1,2-Dichloroethane | 0.02 | 3.1 | 0.02 | MG/KG | 0.00098 U | 0.0012 U |
| 1,2-Dichloropropane | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 8.4 | 52 | 8.4 | MG/KG | 0.00098 U | 0.0012 U |
| 1,3-Dichlorobenzene | 2.4 | 49 | 2.4 | MG/KG | 0.00098 U | 0.0012 U |
| 1,4-Dichlorobenzene | 1.8 | 13 | 1.8 | MG/KG | 0.00098 U | 0.0012 U |
| 2-Hexanone | -- | -- | -- | MG/KG | 0.0049 U | 0.0062 U |
| Acetone | 0.05 | 100 | 0.05 | MG/KG | 0.0059 U | 0.0074 U |
| Benzene | 0.06 | 4.8 | 0.06 | MG/KG | 0.00098 U | 0.0012 U |
| Bromochloromethane | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| Bromodichloromethane | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| Bromoform | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| Bromomethane | -- | -- | -- | MG/KG | 0.002 UJ | 0.0025 U |
| Carbon Disulfide | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| Carbon Tetrachloride | 0.76 | 2.4 | 0.76 | MG/KG | 0.00098 U | 0.0012 U |
| Chlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.00098 U | 0.0012 U |
| Chloroethane | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| Chloroform | 0.37 | 49 | 0.37 | MG/KG | 0.00098 U | 0.0012 U |
| Chloromethane | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| Cis-1,2-Dichloroethylene | 0.25 | 100 | 0.25 | MG/KG | 0.00098 U | 0.0012 U |
| Cis-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-13_WC-A1-3 | RXSB-13_WC-A1-3 |
| | | | | Sample Date: | 12/13/2023 | 12/14/2023 |
| | | | | Sample Depth (ft or in bls): | 6 - 8 ft | 12 - 14 ft |
| | | | | Normal Sample or Field Duplicate: | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | |
| Cyclohexane | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| Dibromochloromethane | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| Dichlorodifluoromethane | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| Ethylbenzene | 1 | 41 | 1 | MG/KG | 0.00098 U | 0.0012 U |
| Isopropylbenzene (Cumene) | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| m,p-Xylene | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| Methyl Acetate | -- | -- | -- | MG/KG | 0.0049 U | 0.0062 U |
| Methyl Ethyl Ketone (2-Butanone) | 0.12 | 100 | 0.12 | MG/KG | 0.0049 U | 0.0062 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | -- | -- | MG/KG | 0.0049 U | 0.0062 U |
| Methylcyclohexane | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| Methylene Chloride | 0.05 | 100 | 0.05 | MG/KG | 0.002 U | 0.0025 U |
| N-Butylbenzene | 12 | 100 | 12 | MG/KG | 0.00098 U | 0.0012 U |
| N-Propylbenzene | 3.9 | 100 | 3.9 | MG/KG | 0.00098 U | 0.0012 U |
| O-Xylene (1,2-Dimethylbenzene) | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| Sec-Butylbenzene | 11 | 100 | 11 | MG/KG | 0.00098 U | 0.0012 U |
| Styrene | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| T-Butylbenzene | 5.9 | 100 | 5.9 | MG/KG | 0.00098 U | 0.0012 U |
| Tert-Butyl Methyl Ether | 0.93 | 100 | 0.93 | MG/KG | 0.00098 U | 0.0012 U |
| Tetrachloroethylene (PCE) | 1.3 | 19 | 1.3 | MG/KG | 0.00098 U | 0.0012 U |
| Toluene | 0.7 | 100 | 0.7 | MG/KG | 0.00098 U | 0.0012 U |
| Trans-1,2-Dichloroethene | 0.19 | 100 | 0.19 | MG/KG | 0.00098 U | 0.0012 U |
| Trans-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| Trichloroethylene (TCE) | 0.47 | 21 | 0.47 | MG/KG | 0.00098 U | 0.0012 U |
| Trichlorofluoromethane | -- | -- | -- | MG/KG | 0.00098 U | 0.0012 U |
| Vinyl Chloride | 0.02 | 0.9 | 0.02 | MG/KG | 0.00098 U | 0.0012 U |
| Xylenes | **0.26** | 100 | 1.6 | MG/KG | 0.002 U | 0.0025 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-14 | RXSB-14_WC-B1-3 |
| | | | | Sample Date: | 12/11/2023 | 12/11/2023 |
| | | | | Sample Depth (ft or in bls): | 2 - 6 in | 8 - 10 ft |
| | | | | Normal Sample or Field Duplicate: | 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-Trichloroethane (TCA) | 0.68 | 100 | 0.68 | MG/KG | 0.0011 U | 0.00097 U |
| 1,1,2,2-Tetrachloroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| 1,1,2-Trichloroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| 1,1-Dichloroethane | 0.27 | 26 | 0.27 | MG/KG | 0.0011 U | 0.00097 U |
| 1,1-Dichloroethene | 0.33 | 100 | 0.33 | MG/KG | 0.0011 U | 0.00097 U |
| 1,2,3-Trichlorobenzene | -- | -- | -- | MG/KG | 0.0011 UJ | 0.00097 UJ |
| 1,2,4-Trichlorobenzene | -- | -- | -- | MG/KG | 0.0011 UJ | 0.00097 UJ |
| 1,2,4-Trimethylbenzene | 3.6 | 52 | 3.6 | MG/KG | 0.0011 U | 0.00097 U |
| 1,2-Dibromo-3-Chloropropane | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| 1,2-Dichlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.0011 U | 0.00097 U |
| 1,2-Dichloroethane | 0.02 | 3.1 | 0.02 | MG/KG | 0.0011 U | 0.00097 U |
| 1,2-Dichloropropane | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 8.4 | 52 | 8.4 | MG/KG | 0.0011 U | 0.00097 U |
| 1,3-Dichlorobenzene | 2.4 | 49 | 2.4 | MG/KG | 0.0011 UT | 0.00097 UT |
| 1,4-Dichlorobenzene | 1.8 | 13 | 1.8 | MG/KG | 0.0011 U | 0.00097 U |
| 2-Hexanone | -- | -- | -- | MG/KG | 0.0054 U | 0.0049 U |
| Acetone | 0.05 | 100 | 0.05 | MG/KG | 0.0065 U | 0.0058 U |
| Benzene | 0.06 | 4.8 | 0.06 | MG/KG | 0.0011 U | 0.00097 U |
| Bromochloromethane | -- | -- | -- | MG/KG | 0.0011 UJ | 0.00097 UJ |
| Bromodichloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| Bromoform | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| Bromomethane | -- | -- | -- | MG/KG | 0.0022 U | 0.0019 U |
| Carbon Disulfide | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| Carbon Tetrachloride | 0.76 | 2.4 | 0.76 | MG/KG | 0.0011 U | 0.00097 U |
| Chlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.0011 U | 0.00097 U |
| Chloroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| Chloroform | 0.37 | 49 | 0.37 | MG/KG | 0.0011 U | 0.00097 U |
| Chloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| Cis-1,2-Dichloroethylene | 0.25 | 100 | 0.25 | MG/KG | 0.0011 U | 0.00097 U |
| Cis-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-14 | RXSB-14_WC-B1-3 |
| | | | | Sample Date: | 12/11/2023 | 12/11/2023 |
| | | | | Sample Depth (ft or in bls): | 2 - 6 in | 8 - 10 ft |
| | | | | Normal Sample or Field Duplicate: | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | |
| Cyclohexane | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| Dibromochloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| Dichlorodifluoromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| Ethylbenzene | 1 | 41 | 1 | MG/KG | 0.0011 U | 0.00097 U |
| Isopropylbenzene (Cumene) | -- | -- | -- | MG/KG | 0.0011 UT | 0.00097 UT |
| m,p-Xylene | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| Methyl Acetate | -- | -- | -- | MG/KG | 0.0054 U | 0.0049 U |
| Methyl Ethyl Ketone (2-Butanone) | 0.12 | 100 | 0.12 | MG/KG | 0.0054 U | 0.0049 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | -- | -- | MG/KG | 0.0054 U | 0.0049 U |
| Methylcyclohexane | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| Methylene Chloride | 0.05 | 100 | 0.05 | MG/KG | 0.0022 U | 0.0019 U |
| N-Butylbenzene | 12 | 100 | 12 | MG/KG | 0.0011 UT | 0.00097 UT |
| N-Propylbenzene | 3.9 | 100 | 3.9 | MG/KG | 0.0011 U | 0.00097 U |
| O-Xylene (1,2-Dimethylbenzene) | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| Sec-Butylbenzene | 11 | 100 | 11 | MG/KG | 0.0011 U | 0.00097 U |
| Styrene | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| T-Butylbenzene | 5.9 | 100 | 5.9 | MG/KG | 0.0011 U | 0.00097 U |
| Tert-Butyl Methyl Ether | 0.93 | 100 | 0.93 | MG/KG | 0.0011 U | 0.00097 U |
| Tetrachloroethylene (PCE) | 1.3 | 19 | 1.3 | MG/KG | 0.0011 U | 0.00097 U |
| Toluene | 0.7 | 100 | 0.7 | MG/KG | 0.00027 J | 0.00097 U |
| Trans-1,2-Dichloroethene | 0.19 | 100 | 0.19 | MG/KG | 0.0011 U | 0.00097 U |
| Trans-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| Trichloroethylene (TCE) | 0.47 | 21 | 0.47 | MG/KG | 0.0011 U | 0.00097 U |
| Trichlorofluoromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00097 U |
| Vinyl Chloride | 0.02 | 0.9 | 0.02 | MG/KG | 0.0011 U | 0.00097 U |
| Xylenes | **0.26** | 100 | 1.6 | MG/KG | 0.0022 U | 0.0019 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-14_WC-B1-3 | RXSB-15 |
| | | | | Sample Date: | 12/11/2023 | 12/08/2023 |
| | | | | Sample Depth (ft or in bls): | 12 - 14 ft | 2 - 6 in |
| | | | | Normal Sample or Field Duplicate: | 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-Trichloroethane (TCA) | 0.68 | 100 | 0.68 | MG/KG | 0.0022 U | 0.0012 U |
| 1,1,2,2-Tetrachloroethane | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |
| 1,1,2-Trichloroethane | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |
| 1,1-Dichloroethane | 0.27 | 26 | 0.27 | MG/KG | 0.0022 U | 0.0012 U |
| 1,1-Dichloroethene | 0.33 | 100 | 0.33 | MG/KG | 0.0022 U | 0.0012 U |
| 1,2,3-Trichlorobenzene | -- | -- | -- | MG/KG | 0.0022 UJ | 0.0012 U |
| 1,2,4-Trichlorobenzene | -- | -- | -- | MG/KG | 0.0022 UJ | 0.0012 U |
| 1,2,4-Trimethylbenzene | 3.6 | 52 | 3.6 | MG/KG | 0.0022 U | 0.0012 U |
| 1,2-Dibromo-3-Chloropropane | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |
| 1,2-Dichlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.0022 U | 0.0012 U |
| 1,2-Dichloroethane | 0.02 | 3.1 | 0.02 | MG/KG | 0.0022 U | 0.0012 U |
| 1,2-Dichloropropane | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 8.4 | 52 | 8.4 | MG/KG | 0.0022 U | 0.0012 U |
| 1,3-Dichlorobenzene | 2.4 | 49 | 2.4 | MG/KG | 0.0022 UT | 0.0012 U |
| 1,4-Dichlorobenzene | 1.8 | 13 | 1.8 | MG/KG | 0.0022 U | 0.0012 U |
| 2-Hexanone | -- | -- | -- | MG/KG | 0.011 U | 0.006 U |
| Acetone | 0.05 | 100 | 0.05 | MG/KG | 0.013 U | 0.0072 U |
| Benzene | 0.06 | 4.8 | 0.06 | MG/KG | 0.0022 U | 0.0012 U |
| Bromochloromethane | -- | -- | -- | MG/KG | 0.0022 UJ | 0.0012 U |
| Bromodichloromethane | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |
| Bromoform | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |
| Bromomethane | -- | -- | -- | MG/KG | 0.0045 U | 0.0024 U |
| Carbon Disulfide | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |
| Carbon Tetrachloride | 0.76 | 2.4 | 0.76 | MG/KG | 0.0022 U | 0.0012 U |
| Chlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.0022 U | 0.0012 U |
| Chloroethane | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |
| Chloroform | 0.37 | 49 | 0.37 | MG/KG | 0.0022 U | 0.0012 U |
| Chloromethane | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |
| Cis-1,2-Dichloroethylene | 0.25 | 100 | 0.25 | MG/KG | 0.0022 U | 0.0012 U |
| Cis-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-14_WC-B1-3 | RXSB-15 |
| | | | | Sample Date: | 12/11/2023 | 12/08/2023 |
| | | | | Sample Depth (ft or in bls): | 12 - 14 ft | 2 - 6 in |
| | | | | Normal Sample or Field Duplicate: | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | |
| Cyclohexane | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |
| Dibromochloromethane | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |
| Dichlorodifluoromethane | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |
| Ethylbenzene | 1 | 41 | 1 | MG/KG | 0.0022 U | 0.0011 J |
| Isopropylbenzene (Cumene) | -- | -- | -- | MG/KG | 0.0022 UT | 0.0012 U |
| m,p-Xylene | -- | -- | -- | MG/KG | 0.0022 U | 0.0047 |
| Methyl Acetate | -- | -- | -- | MG/KG | 0.011 U | 0.006 U |
| Methyl Ethyl Ketone (2-Butanone) | 0.12 | 100 | 0.12 | MG/KG | 0.011 U | 0.006 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | -- | -- | MG/KG | 0.011 U | 0.006 U |
| Methylcyclohexane | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |
| Methylene Chloride | 0.05 | 100 | 0.05 | MG/KG | 0.0045 U | 0.0024 U |
| N-Butylbenzene | 12 | 100 | 12 | MG/KG | 0.0022 UT | 0.0012 U |
| N-Propylbenzene | 3.9 | 100 | 3.9 | MG/KG | 0.0022 U | 0.0012 U |
| O-Xylene (1,2-Dimethylbenzene) | -- | -- | -- | MG/KG | 0.0022 U | 0.002 |
| Sec-Butylbenzene | 11 | 100 | 11 | MG/KG | 0.0022 U | 0.0012 U |
| Styrene | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |
| T-Butylbenzene | 5.9 | 100 | 5.9 | MG/KG | 0.0022 U | 0.0012 U |
| Tert-Butyl Methyl Ether | 0.93 | 100 | 0.93 | MG/KG | 0.0022 U | 0.0012 U |
| Tetrachloroethylene (PCE) | 1.3 | 19 | 1.3 | MG/KG | 0.0022 U | 0.0012 U |
| Toluene | 0.7 | 100 | 0.7 | MG/KG | 0.0022 U | 0.0012 U |
| Trans-1,2-Dichloroethene | 0.19 | 100 | 0.19 | MG/KG | 0.0022 U | 0.0012 U |
| Trans-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |
| Trichloroethylene (TCE) | 0.47 | 21 | 0.47 | MG/KG | 0.0022 U | 0.0012 U |
| Trichlorofluoromethane | -- | -- | -- | MG/KG | 0.0022 U | 0.0012 U |
| Vinyl Chloride | 0.02 | 0.9 | 0.02 | MG/KG | 0.0022 U | 0.0012 U |
| Xylenes | **0.26** | 100 | 1.6 | MG/KG | 0.0045 U | 0.0067 |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-15WC-C-3 | RXSB-15WC-C-3 |
| | | | | Sample Date: | 12/12/2023 | 12/12/2023 |
| | | | | Sample Depth (ft or in bls): | 2 - 4 ft | 6 - 8 ft |
| | | | | Normal Sample or Field Duplicate: | 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-Trichloroethane (TCA) | 0.68 | 100 | 0.68 | MG/KG | 0.0011 U | 0.00099 U |
| 1,1,2,2-Tetrachloroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| 1,1,2-Trichloroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| 1,1-Dichloroethane | 0.27 | 26 | 0.27 | MG/KG | 0.0011 U | 0.00099 U |
| 1,1-Dichloroethene | 0.33 | 100 | 0.33 | MG/KG | 0.0011 U | 0.00099 U |
| 1,2,3-Trichlorobenzene | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| 1,2,4-Trichlorobenzene | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| 1,2,4-Trimethylbenzene | 3.6 | 52 | 3.6 | MG/KG | 0.0011 U | 0.00099 U |
| 1,2-Dibromo-3-Chloropropane | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| 1,2-Dichlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.0011 U | 0.00099 U |
| 1,2-Dichloroethane | 0.02 | 3.1 | 0.02 | MG/KG | 0.0011 U | 0.00099 U |
| 1,2-Dichloropropane | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 8.4 | 52 | 8.4 | MG/KG | 0.0011 U | 0.00099 U |
| 1,3-Dichlorobenzene | 2.4 | 49 | 2.4 | MG/KG | 0.0011 U | 0.00099 U |
| 1,4-Dichlorobenzene | 1.8 | 13 | 1.8 | MG/KG | 0.0011 U | 0.00099 U |
| 2-Hexanone | -- | -- | -- | MG/KG | 0.0054 U | 0.005 U |
| Acetone | 0.05 | 100 | 0.05 | MG/KG | 0.0065 U | 0.0059 U |
| Benzene | 0.06 | 4.8 | 0.06 | MG/KG | 0.0011 U | 0.00099 U |
| Bromochloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| Bromodichloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| Bromoform | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| Bromomethane | -- | -- | -- | MG/KG | 0.0022 U | 0.002 U |
| Carbon Disulfide | -- | -- | -- | MG/KG | 0.0011 UT | 0.00099 UT |
| Carbon Tetrachloride | 0.76 | 2.4 | 0.76 | MG/KG | 0.0011 U | 0.00099 U |
| Chlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.0011 U | 0.00099 U |
| Chloroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| Chloroform | 0.37 | 49 | 0.37 | MG/KG | 0.0011 U | 0.00099 U |
| Chloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| Cis-1,2-Dichloroethylene | 0.25 | 100 | 0.25 | MG/KG | 0.0011 U | 0.00099 U |
| Cis-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-15WC-C-3 | RXSB-15WC-C-3 |
| | | | | Sample Date: | 12/12/2023 | 12/12/2023 |
| | | | | Sample Depth (ft or in bls): | 2 - 4 ft | 6 - 8 ft |
| | | | | Normal Sample or Field Duplicate: | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | |
| Cyclohexane | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| Dibromochloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| Dichlorodifluoromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| Ethylbenzene | 1 | 41 | 1 | MG/KG | 0.0011 U | 0.00099 U |
| Isopropylbenzene (Cumene) | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| m,p-Xylene | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| Methyl Acetate | -- | -- | -- | MG/KG | 0.0054 U | 0.005 U |
| Methyl Ethyl Ketone (2-Butanone) | 0.12 | 100 | 0.12 | MG/KG | 0.0054 U | 0.005 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | -- | -- | MG/KG | 0.0054 U | 0.005 U |
| Methylcyclohexane | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| Methylene Chloride | 0.05 | 100 | 0.05 | MG/KG | 0.0022 U | 0.002 U |
| N-Butylbenzene | 12 | 100 | 12 | MG/KG | 0.0011 U | 0.00099 U |
| N-Propylbenzene | 3.9 | 100 | 3.9 | MG/KG | 0.0011 U | 0.00099 U |
| O-Xylene (1,2-Dimethylbenzene) | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| Sec-Butylbenzene | 11 | 100 | 11 | MG/KG | 0.0011 U | 0.00099 U |
| Styrene | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| T-Butylbenzene | 5.9 | 100 | 5.9 | MG/KG | 0.0011 U | 0.00099 U |
| Tert-Butyl Methyl Ether | 0.93 | 100 | 0.93 | MG/KG | 0.0011 U | 0.00099 U |
| Tetrachloroethylene (PCE) | 1.3 | 19 | 1.3 | MG/KG | 0.0011 U | 0.00099 U |
| Toluene | 0.7 | 100 | 0.7 | MG/KG | 0.0011 U | 0.00099 U |
| Trans-1,2-Dichloroethene | 0.19 | 100 | 0.19 | MG/KG | 0.0011 U | 0.00099 U |
| Trans-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| Trichloroethylene (TCE) | 0.47 | 21 | 0.47 | MG/KG | 0.0011 U | 0.00099 U |
| Trichlorofluoromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.00099 U |
| Vinyl Chloride | 0.02 | 0.9 | 0.02 | MG/KG | 0.0011 U | 0.00099 U |
| Xylenes | **0.26** | 100 | 1.6 | MG/KG | 0.0022 U | 0.002 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-15WC-C-3 | RXSB-15-WC-C-3 | RXSB-16 |
|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/12/2023 | 12/12/2023 | 12/07/2023 |
| | | | | Sample Depth (ft or in bls): | 8 - 10 ft | 12 - 14 ft | 2 - 6 in |
| | | | | Normal Sample or Field Duplicate: | 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-Trichloroethane (TCA) | 0.68 | 100 | 0.68 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| 1,1,2,2-Tetrachloroethane | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| 1,1,2-Trichloroethane | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| 1,1-Dichloroethane | 0.27 | 26 | 0.27 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| 1,1-Dichloroethene | 0.33 | 100 | 0.33 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| 1,2,3-Trichlorobenzene | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| 1,2,4-Trichlorobenzene | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| 1,2,4-Trimethylbenzene | 3.6 | 52 | 3.6 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| 1,2-Dibromo-3-Chloropropane | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| 1,2-Dichlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| 1,2-Dichloroethane | 0.02 | 3.1 | 0.02 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| 1,2-Dichloropropane | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 8.4 | 52 | 8.4 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| 1,3-Dichlorobenzene | 2.4 | 49 | 2.4 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| 1,4-Dichlorobenzene | 1.8 | 13 | 1.8 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| 2-Hexanone | -- | -- | -- | MG/KG | 0.0048 U | 0.007 U | 0.0055 U |
| Acetone | 0.05 | 100 | 0.05 | MG/KG | 0.0058 U | 0.0084 U | 0.0067 U |
| Benzene | 0.06 | 4.8 | 0.06 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Bromochloromethane | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Bromodichloromethane | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Bromoform | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Bromomethane | -- | -- | -- | MG/KG | 0.0019 U | 0.0028 U | 0.0022 U |
| Carbon Disulfide | -- | -- | -- | MG/KG | 0.00096 UT | 0.0014 UT | 0.0011 UT |
| Carbon Tetrachloride | 0.76 | 2.4 | 0.76 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Chlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Chloroethane | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Chloroform | 0.37 | 49 | 0.37 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Chloromethane | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Cis-1,2-Dichloroethylene | 0.25 | 100 | 0.25 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Cis-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-15WC-C-3 | RXSB-15-WC-C-3 | RXSB-16 |
|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/12/2023 | 12/12/2023 | 12/07/2023 |
| | | | | Sample Depth (ft or in bls): | 8 - 10 ft | 12 - 14 ft | 2 - 6 in |
| | | | | Normal Sample or Field Duplicate: | N | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | | |
| Cyclohexane | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Dibromochloromethane | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Dichlorodifluoromethane | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Ethylbenzene | 1 | 41 | 1 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Isopropylbenzene (Cumene) | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| m,p-Xylene | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Methyl Acetate | -- | -- | -- | MG/KG | 0.0048 U | 0.007 U | 0.0055 U |
| Methyl Ethyl Ketone (2-Butanone) | 0.12 | 100 | 0.12 | MG/KG | 0.0048 U | 0.007 U | 0.0055 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | -- | -- | MG/KG | 0.0048 U | 0.007 U | 0.0055 U |
| Methylcyclohexane | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Methylene Chloride | 0.05 | 100 | 0.05 | MG/KG | 0.0019 U | 0.0028 U | 0.0022 U |
| N-Butylbenzene | 12 | 100 | 12 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| N-Propylbenzene | 3.9 | 100 | 3.9 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| O-Xylene (1,2-Dimethylbenzene) | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Sec-Butylbenzene | 11 | 100 | 11 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Styrene | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| T-Butylbenzene | 5.9 | 100 | 5.9 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Tert-Butyl Methyl Ether | 0.93 | 100 | 0.93 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Tetrachloroethylene (PCE) | 1.3 | 19 | 1.3 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Toluene | 0.7 | 100 | 0.7 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Trans-1,2-Dichloroethene | 0.19 | 100 | 0.19 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Trans-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Trichloroethylene (TCE) | 0.47 | 21 | 0.47 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Trichlorofluoromethane | -- | -- | -- | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Vinyl Chloride | 0.02 | 0.9 | 0.02 | MG/KG | 0.00096 U | 0.0014 U | 0.0011 U |
| Xylenes | **0.26** | 100 | 1.6 | MG/KG | 0.0019 U | 0.0028 U | 0.0022 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-16_WC-D-1 | RXSB-17 |
| | | | | Sample Date: | 12/07/2023 | 12/07/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 ft | 2 - 6 in |
| | | | | Normal Sample or Field Duplicate: | 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-Trichloroethane (TCA) | 0.68 | 100 | 0.68 | MG/KG | 0.0011 U | 0.0012 U |
| 1,1,2,2-Tetrachloroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| 1,1,2-Trichloroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| 1,1-Dichloroethane | 0.27 | 26 | 0.27 | MG/KG | 0.0011 U | 0.0012 U |
| 1,1-Dichloroethene | 0.33 | 100 | 0.33 | MG/KG | 0.0011 U | 0.0012 U |
| 1,2,3-Trichlorobenzene | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| 1,2,4-Trichlorobenzene | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| 1,2,4-Trimethylbenzene | 3.6 | 52 | 3.6 | MG/KG | 0.0011 U | 0.0012 U |
| 1,2-Dibromo-3-Chloropropane | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| 1,2-Dichlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.0011 U | 0.0012 U |
| 1,2-Dichloroethane | 0.02 | 3.1 | 0.02 | MG/KG | 0.0011 U | 0.0012 U |
| 1,2-Dichloropropane | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 8.4 | 52 | 8.4 | MG/KG | 0.0011 U | 0.0012 U |
| 1,3-Dichlorobenzene | 2.4 | 49 | 2.4 | MG/KG | 0.0011 U | 0.0012 U |
| 1,4-Dichlorobenzene | 1.8 | 13 | 1.8 | MG/KG | 0.0011 U | 0.0012 U |
| 2-Hexanone | -- | -- | -- | MG/KG | 0.0056 U | 0.0059 U |
| Acetone | 0.05 | 100 | 0.05 | MG/KG | 0.0067 U | 0.0071 U |
| Benzene | 0.06 | 4.8 | 0.06 | MG/KG | 0.0011 U | 0.0012 U |
| Bromochloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| Bromodichloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| Bromoform | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| Bromomethane | -- | -- | -- | MG/KG | 0.0022 U | 0.0024 U |
| Carbon Disulfide | -- | -- | -- | MG/KG | 0.0011 UT | 0.0012 UT |
| Carbon Tetrachloride | 0.76 | 2.4 | 0.76 | MG/KG | 0.0011 U | 0.0012 U |
| Chlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.0011 U | 0.0012 U |
| Chloroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| Chloroform | 0.37 | 49 | 0.37 | MG/KG | 0.0011 U | 0.0012 U |
| Chloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| Cis-1,2-Dichloroethylene | 0.25 | 100 | 0.25 | MG/KG | 0.0011 U | 0.0012 U |
| Cis-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-16_WC-D-1 | RXSB-17 |
| | | | | Sample Date: | 12/07/2023 | 12/07/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 ft | 2 - 6 in |
| | | | | Normal Sample or Field Duplicate: | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | |
| Cyclohexane | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| Dibromochloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| Dichlorodifluoromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| Ethylbenzene | 1 | 41 | 1 | MG/KG | 0.00025 J | 0.0012 U |
| Isopropylbenzene (Cumene) | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| m,p-Xylene | -- | -- | -- | MG/KG | 0.0017 | 0.0012 U |
| Methyl Acetate | -- | -- | -- | MG/KG | 0.0056 U | 0.0059 U |
| Methyl Ethyl Ketone (2-Butanone) | 0.12 | 100 | 0.12 | MG/KG | 0.0056 U | 0.0059 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | -- | -- | MG/KG | 0.0056 U | 0.0059 U |
| Methylcyclohexane | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| Methylene Chloride | 0.05 | 100 | 0.05 | MG/KG | 0.0022 U | 0.0024 U |
| N-Butylbenzene | 12 | 100 | 12 | MG/KG | 0.0011 U | 0.0012 U |
| N-Propylbenzene | 3.9 | 100 | 3.9 | MG/KG | 0.0011 U | 0.0012 U |
| O-Xylene (1,2-Dimethylbenzene) | -- | -- | -- | MG/KG | 0.0011 | 0.0012 U |
| Sec-Butylbenzene | 11 | 100 | 11 | MG/KG | 0.0011 U | 0.0012 U |
| Styrene | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| T-Butylbenzene | 5.9 | 100 | 5.9 | MG/KG | 0.0011 U | 0.0012 U |
| Tert-Butyl Methyl Ether | 0.93 | 100 | 0.93 | MG/KG | 0.0011 U | 0.0012 U |
| Tetrachloroethylene (PCE) | 1.3 | 19 | 1.3 | MG/KG | 0.0011 U | 0.0012 U |
| Toluene | 0.7 | 100 | 0.7 | MG/KG | 0.0011 U | 0.0012 U |
| Trans-1,2-Dichloroethene | 0.19 | 100 | 0.19 | MG/KG | 0.0011 U | 0.0012 U |
| Trans-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| Trichloroethylene (TCE) | 0.47 | 21 | 0.47 | MG/KG | 0.0011 U | 0.0012 U |
| Trichlorofluoromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0012 U |
| Vinyl Chloride | 0.02 | 0.9 | 0.02 | MG/KG | 0.0011 U | 0.0012 U |
| Xylenes | **0.26** | 100 | 1.6 | MG/KG | 0.0027 | 0.0024 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-17_WC-D-4 | RXSB-17_WC-D-4 |
| | | | | Sample Date: | 12/07/2023 | 12/07/2023 |
| | | | | Sample Depth (ft or in bls): | 8 - 10 ft | 12 - 14 ft |
| | | | | Normal Sample or Field Duplicate: | 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-Trichloroethane (TCA) | 0.68 | 100 | 0.68 | MG/KG | 0.0011 U | 0.001 U |
| 1,1,2,2-Tetrachloroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| 1,1,2-Trichloroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| 1,1-Dichloroethane | 0.27 | 26 | 0.27 | MG/KG | 0.0011 U | 0.001 U |
| 1,1-Dichloroethene | 0.33 | 100 | 0.33 | MG/KG | 0.0011 U | 0.001 U |
| 1,2,3-Trichlorobenzene | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| 1,2,4-Trichlorobenzene | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| 1,2,4-Trimethylbenzene | 3.6 | 52 | 3.6 | MG/KG | 0.0011 U | 0.001 U |
| 1,2-Dibromo-3-Chloropropane | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| 1,2-Dichlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.0011 U | 0.001 U |
| 1,2-Dichloroethane | 0.02 | 3.1 | 0.02 | MG/KG | 0.0011 U | 0.001 U |
| 1,2-Dichloropropane | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 8.4 | 52 | 8.4 | MG/KG | 0.0011 U | 0.001 U |
| 1,3-Dichlorobenzene | 2.4 | 49 | 2.4 | MG/KG | 0.0011 U | 0.001 U |
| 1,4-Dichlorobenzene | 1.8 | 13 | 1.8 | MG/KG | 0.0011 U | 0.001 U |
| 2-Hexanone | -- | -- | -- | MG/KG | 0.0056 U | 0.005 U |
| Acetone | 0.05 | 100 | 0.05 | MG/KG | 0.027 | 0.0061 U |
| Benzene | 0.06 | 4.8 | 0.06 | MG/KG | 0.0011 U | 0.001 U |
| Bromochloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| Bromodichloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| Bromoform | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| Bromomethane | -- | -- | -- | MG/KG | 0.0022 U | 0.002 U |
| Carbon Disulfide | -- | -- | -- | MG/KG | 0.0011 UT | 0.001 UT |
| Carbon Tetrachloride | 0.76 | 2.4 | 0.76 | MG/KG | 0.0011 U | 0.001 U |
| Chlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.0011 U | 0.001 U |
| Chloroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| Chloroform | 0.37 | 49 | 0.37 | MG/KG | 0.0011 U | 0.001 U |
| Chloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| Cis-1,2-Dichloroethylene | 0.25 | 100 | 0.25 | MG/KG | 0.0011 U | 0.001 U |
| Cis-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-17_WC-D-4 | RXSB-17_WC-D-4 |
| | | | | Sample Date: | 12/07/2023 | 12/07/2023 |
| | | | | Sample Depth (ft or in bls): | 8 - 10 ft | 12 - 14 ft |
| | | | | Normal Sample or Field Duplicate: | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | |
| Cyclohexane | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| Dibromochloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| Dichlorodifluoromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| Ethylbenzene | 1 | 41 | 1 | MG/KG | 0.0011 U | 0.001 U |
| Isopropylbenzene (Cumene) | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| m,p-Xylene | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| Methyl Acetate | -- | -- | -- | MG/KG | 0.0056 U | 0.005 U |
| Methyl Ethyl Ketone (2-Butanone) | 0.12 | 100 | 0.12 | MG/KG | 0.0056 U | 0.005 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | -- | -- | MG/KG | 0.0056 U | 0.005 U |
| Methylcyclohexane | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| Methylene Chloride | 0.05 | 100 | 0.05 | MG/KG | 0.0022 U | 0.002 U |
| N-Butylbenzene | 12 | 100 | 12 | MG/KG | 0.0011 U | 0.001 U |
| N-Propylbenzene | 3.9 | 100 | 3.9 | MG/KG | 0.0011 U | 0.001 U |
| O-Xylene (1,2-Dimethylbenzene) | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| Sec-Butylbenzene | 11 | 100 | 11 | MG/KG | 0.0011 U | 0.001 U |
| Styrene | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| T-Butylbenzene | 5.9 | 100 | 5.9 | MG/KG | 0.0011 U | 0.001 U |
| Tert-Butyl Methyl Ether | 0.93 | 100 | 0.93 | MG/KG | 0.0011 U | 0.001 U |
| Tetrachloroethylene (PCE) | 1.3 | 19 | 1.3 | MG/KG | 0.0011 U | 0.001 U |
| Toluene | 0.7 | 100 | 0.7 | MG/KG | 0.0011 U | 0.001 U |
| Trans-1,2-Dichloroethene | 0.19 | 100 | 0.19 | MG/KG | 0.0011 U | 0.001 U |
| Trans-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| Trichloroethylene (TCE) | 0.47 | 21 | 0.47 | MG/KG | 0.0011 U | 0.001 U |
| Trichlorofluoromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.001 U |
| Vinyl Chloride | 0.02 | 0.9 | 0.02 | MG/KG | 0.0011 U | 0.001 U |
| Xylenes | **0.26** | 100 | 1.6 | MG/KG | 0.0022 U | 0.002 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-18 | RXSB-18 | RXSB-19 | RXSB-19 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/08/2023 | 12/12/2023 | 12/06/2023 | 12/06/2023 |
| | | | | Sample Depth (ft or in bls): | 2 - 6 in | 6 - 8 ft | 2 - 6 in | 4 - 6 ft |
| | | | | Normal Sample or Field Duplicate: | 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-Trichloroethane (TCA) | 0.68 | 100 | 0.68 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| 1,1,2,2-Tetrachloroethane | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| 1,1,2-Trichloroethane | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| 1,1-Dichloroethane | 0.27 | 26 | 0.27 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| 1,1-Dichloroethene | 0.33 | 100 | 0.33 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| 1,2,3-Trichlorobenzene | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| 1,2,4-Trichlorobenzene | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| 1,2,4-Trimethylbenzene | 3.6 | 52 | 3.6 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| 1,2-Dibromo-3-Chloropropane | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| 1,2-Dichlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| 1,2-Dichloroethane | 0.02 | 3.1 | 0.02 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| 1,2-Dichloropropane | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 8.4 | 52 | 8.4 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| 1,3-Dichlorobenzene | 2.4 | 49 | 2.4 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| 1,4-Dichlorobenzene | 1.8 | 13 | 1.8 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| 2-Hexanone | -- | -- | -- | MG/KG | 0.56 U | 0.0046 U | 0.0067 U | 0.0056 U |
| Acetone | 0.05 | 100 | 0.05 | MG/KG | 0.56 U | 0.0056 U | 0.0081 U | 0.0067 U |
| Benzene | 0.06 | 4.8 | 0.06 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Bromochloromethane | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Bromodichloromethane | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Bromoform | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 UJ |
| Bromomethane | -- | -- | -- | MG/KG | 0.11 UJ | 0.0019 U | 0.0027 U | 0.0022 U |
| Carbon Disulfide | -- | -- | -- | MG/KG | 0.11 U | 0.00093 UT | 0.0013 U | 0.0011 U |
| Carbon Tetrachloride | 0.76 | 2.4 | 0.76 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Chlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Chloroethane | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Chloroform | 0.37 | 49 | 0.37 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Chloromethane | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Cis-1,2-Dichloroethylene | 0.25 | 100 | 0.25 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Cis-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-18 | RXSB-18 | RXSB-19 | RXSB-19 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/08/2023 | 12/12/2023 | 12/06/2023 | 12/06/2023 |
| | | | | Sample Depth (ft or in bls): | 2 - 6 in | 6 - 8 ft | 2 - 6 in | 4 - 6 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | | | | |
| Cyclohexane | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Dibromochloromethane | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Dichlorodifluoromethane | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Ethylbenzene | 1 | 41 | 1 | MG/KG | 0.77 | 0.00093 U | 0.00075 J | 0.0011 U |
| Isopropylbenzene (Cumene) | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| m,p-Xylene | -- | -- | -- | MG/KG | 4.8 | 0.00093 U | 0.0027 | 0.0011 U |
| Methyl Acetate | -- | -- | -- | MG/KG | 0.56 U | 0.0046 U | 0.0067 U | 0.0056 U |
| Methyl Ethyl Ketone (2-Butanone) | 0.12 | 100 | 0.12 | MG/KG | 0.56 U | 0.0046 U | 0.0067 U | 0.0056 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | -- | -- | MG/KG | 0.56 U | 0.0046 U | 0.0067 U | 0.0056 U |
| Methylcyclohexane | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Methylene Chloride | 0.05 | 100 | 0.05 | MG/KG | 0.11 U | 0.0019 U | 0.0027 U | 0.0022 U |
| N-Butylbenzene | 12 | 100 | 12 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| N-Propylbenzene | 3.9 | 100 | 3.9 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| O-Xylene (1,2-Dimethylbenzene) | -- | -- | -- | MG/KG | 1.9 | 0.00093 U | 0.0017 | 0.0011 U |
| Sec-Butylbenzene | 11 | 100 | 11 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Styrene | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 UJ |
| T-Butylbenzene | 5.9 | 100 | 5.9 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Tert-Butyl Methyl Ether | 0.93 | 100 | 0.93 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Tetrachloroethylene (PCE) | 1.3 | 19 | 1.3 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Toluene | 0.7 | 100 | 0.7 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Trans-1,2-Dichloroethene | 0.19 | 100 | 0.19 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Trans-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Trichloroethylene (TCE) | 0.47 | 21 | 0.47 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Trichlorofluoromethane | -- | -- | -- | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Vinyl Chloride | 0.02 | 0.9 | 0.02 | MG/KG | 0.11 U | 0.00093 U | 0.0013 U | 0.0011 U |
| Xylenes | **0.26** | 100 | 1.6 | MG/KG | **6.7** | 0.0019 U | 0.0045 | 0.0022 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-19_WC-B2-1 | RXSB-19_WC-B2-1 |
| | | | | Sample Date: | 12/11/2023 | 12/11/2023 |
| | | | | Sample Depth (ft or in bls): | 6 - 8 ft | 8 - 10 ft |
| | | | | Normal Sample or Field Duplicate: | 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-Trichloroethane (TCA) | 0.68 | 100 | 0.68 | MG/KG | 0.00095 U | 0.00096 U |
| 1,1,2,2-Tetrachloroethane | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| 1,1,2-Trichloroethane | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| 1,1-Dichloroethane | 0.27 | 26 | 0.27 | MG/KG | 0.00095 U | 0.00096 U |
| 1,1-Dichloroethene | 0.33 | 100 | 0.33 | MG/KG | 0.00095 U | 0.00096 U |
| 1,2,3-Trichlorobenzene | -- | -- | -- | MG/KG | 0.00095 UJ | 0.00096 UJ |
| 1,2,4-Trichlorobenzene | -- | -- | -- | MG/KG | 0.00095 UJ | 0.00096 UJ |
| 1,2,4-Trimethylbenzene | 3.6 | 52 | 3.6 | MG/KG | 0.00095 U | 0.00096 U |
| 1,2-Dibromo-3-Chloropropane | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| 1,2-Dichlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.00095 U | 0.00096 U |
| 1,2-Dichloroethane | 0.02 | 3.1 | 0.02 | MG/KG | 0.00095 U | 0.00096 U |
| 1,2-Dichloropropane | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 8.4 | 52 | 8.4 | MG/KG | 0.00095 U | 0.00096 U |
| 1,3-Dichlorobenzene | 2.4 | 49 | 2.4 | MG/KG | 0.00095 UT | 0.00096 UT |
| 1,4-Dichlorobenzene | 1.8 | 13 | 1.8 | MG/KG | 0.00095 U | 0.00096 U |
| 2-Hexanone | -- | -- | -- | MG/KG | 0.0048 U | 0.0048 U |
| Acetone | 0.05 | 100 | 0.05 | MG/KG | 0.0057 U | 0.0058 U |
| Benzene | 0.06 | 4.8 | 0.06 | MG/KG | 0.00095 U | 0.00096 U |
| Bromochloromethane | -- | -- | -- | MG/KG | 0.00095 UJ | 0.00096 UJ |
| Bromodichloromethane | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| Bromoform | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| Bromomethane | -- | -- | -- | MG/KG | 0.0019 U | 0.0019 U |
| Carbon Disulfide | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| Carbon Tetrachloride | 0.76 | 2.4 | 0.76 | MG/KG | 0.00095 U | 0.00096 U |
| Chlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.00095 U | 0.00096 U |
| Chloroethane | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| Chloroform | 0.37 | 49 | 0.37 | MG/KG | 0.00095 U | 0.00096 U |
| Chloromethane | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| Cis-1,2-Dichloroethylene | 0.25 | 100 | 0.25 | MG/KG | 0.00095 U | 0.00096 U |
| Cis-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-19_WC-B2-1 | RXSB-19_WC-B2-1 |
| | | | | Sample Date: | 12/11/2023 | 12/11/2023 |
| | | | | Sample Depth (ft or in bls): | 6 - 8 ft | 8 - 10 ft |
| | | | | Normal Sample or Field Duplicate: | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | |
| Cyclohexane | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| Dibromochloromethane | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| Dichlorodifluoromethane | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| Ethylbenzene | 1 | 41 | 1 | MG/KG | 0.00095 U | 0.00096 U |
| Isopropylbenzene (Cumene) | -- | -- | -- | MG/KG | 0.00095 UT | 0.00096 UT |
| m,p-Xylene | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| Methyl Acetate | -- | -- | -- | MG/KG | 0.0048 U | 0.0048 U |
| Methyl Ethyl Ketone (2-Butanone) | 0.12 | 100 | 0.12 | MG/KG | 0.0048 U | 0.0048 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | -- | -- | MG/KG | 0.0048 U | 0.0048 U |
| Methylcyclohexane | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| Methylene Chloride | 0.05 | 100 | 0.05 | MG/KG | 0.0019 U | 0.0019 U |
| N-Butylbenzene | 12 | 100 | 12 | MG/KG | 0.00095 UT | 0.00096 UT |
| N-Propylbenzene | 3.9 | 100 | 3.9 | MG/KG | 0.00095 U | 0.00096 U |
| O-Xylene (1,2-Dimethylbenzene) | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| Sec-Butylbenzene | 11 | 100 | 11 | MG/KG | 0.00095 U | 0.00096 U |
| Styrene | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| T-Butylbenzene | 5.9 | 100 | 5.9 | MG/KG | 0.00095 U | 0.00096 U |
| Tert-Butyl Methyl Ether | 0.93 | 100 | 0.93 | MG/KG | 0.00095 U | 0.00096 U |
| Tetrachloroethylene (PCE) | 1.3 | 19 | 1.3 | MG/KG | 0.00095 U | 0.00096 U |
| Toluene | 0.7 | 100 | 0.7 | MG/KG | 0.00095 U | 0.00096 U |
| Trans-1,2-Dichloroethene | 0.19 | 100 | 0.19 | MG/KG | 0.00095 U | 0.00096 U |
| Trans-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| Trichloroethylene (TCE) | 0.47 | 21 | 0.47 | MG/KG | 0.00095 U | 0.00096 U |
| Trichlorofluoromethane | -- | -- | -- | MG/KG | 0.00095 U | 0.00096 U |
| Vinyl Chloride | 0.02 | 0.9 | 0.02 | MG/KG | 0.00095 U | 0.00096 U |
| Xylenes | **0.26** | 100 | 1.6 | MG/KG | 0.0019 U | 0.0019 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-19_WC-B2-1 | RXSB-20 | RXSB-20 |
|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/11/2023 | 12/12/2023 | 12/13/2023 |
| | | | | Sample Depth (ft or in bls): | 12 - 14 ft | 2 - 6 in | 4 - 6 ft |
| | | | | Normal Sample or Field Duplicate: | 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-Trichloroethane (TCA) | 0.68 | 100 | 0.68 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| 1,1,2,2-Tetrachloroethane | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| 1,1,2-Trichloroethane | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| 1,1-Dichloroethane | 0.27 | 26 | 0.27 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| 1,1-Dichloroethene | 0.33 | 100 | 0.33 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| 1,2,3-Trichlorobenzene | -- | -- | -- | MG/KG | 0.00094 UJ | 0.0015 U | 0.0015 U |
| 1,2,4-Trichlorobenzene | -- | -- | -- | MG/KG | 0.00094 UJ | 0.0015 U | 0.0015 U |
| 1,2,4-Trimethylbenzene | 3.6 | 52 | 3.6 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| 1,2-Dibromo-3-Chloropropane | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| 1,2-Dichlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| 1,2-Dichloroethane | 0.02 | 3.1 | 0.02 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| 1,2-Dichloropropane | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 8.4 | 52 | 8.4 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| 1,3-Dichlorobenzene | 2.4 | 49 | 2.4 | MG/KG | 0.00094 UT | 0.0015 U | 0.0015 U |
| 1,4-Dichlorobenzene | 1.8 | 13 | 1.8 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| 2-Hexanone | -- | -- | -- | MG/KG | 0.0047 U | 0.0075 U | 0.0073 U |
| Acetone | 0.05 | 100 | 0.05 | MG/KG | 0.0056 U | 0.0089 U | 0.04 |
| Benzene | 0.06 | 4.8 | 0.06 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Bromochloromethane | -- | -- | -- | MG/KG | 0.00094 UJ | 0.0015 U | 0.0015 U |
| Bromodichloromethane | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Bromoform | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Bromomethane | -- | -- | -- | MG/KG | 0.0019 U | 0.003 U | 0.0029 U |
| Carbon Disulfide | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 UT | 0.00084 J |
| Carbon Tetrachloride | 0.76 | 2.4 | 0.76 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Chlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Chloroethane | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Chloroform | 0.37 | 49 | 0.37 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Chloromethane | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Cis-1,2-Dichloroethylene | 0.25 | 100 | 0.25 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Cis-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-19_WC-B2-1 | RXSB-20 | RXSB-20 |
|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/11/2023 | 12/12/2023 | 12/13/2023 |
| | | | | Sample Depth (ft or in bls): | 12 - 14 ft | 2 - 6 in | 4 - 6 ft |
| | | | | Normal Sample or Field Duplicate: | N | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | | |
| Cyclohexane | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Dibromochloromethane | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Dichlorodifluoromethane | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Ethylbenzene | 1 | 41 | 1 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Isopropylbenzene (Cumene) | -- | -- | -- | MG/KG | 0.00094 UT | 0.0015 U | 0.0015 U |
| m,p-Xylene | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Methyl Acetate | -- | -- | -- | MG/KG | 0.0047 U | 0.0075 U | 0.0073 U |
| Methyl Ethyl Ketone (2-Butanone) | 0.12 | 100 | 0.12 | MG/KG | 0.0047 U | 0.0075 U | 0.019 |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | -- | -- | MG/KG | 0.0047 U | 0.0075 U | 0.0073 U |
| Methylcyclohexane | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Methylene Chloride | 0.05 | 100 | 0.05 | MG/KG | 0.0019 U | 0.003 U | 0.0029 U |
| N-Butylbenzene | 12 | 100 | 12 | MG/KG | 0.00094 UT | 0.0015 U | 0.0015 U |
| N-Propylbenzene | 3.9 | 100 | 3.9 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| O-Xylene (1,2-Dimethylbenzene) | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Sec-Butylbenzene | 11 | 100 | 11 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Styrene | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| T-Butylbenzene | 5.9 | 100 | 5.9 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Tert-Butyl Methyl Ether | 0.93 | 100 | 0.93 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Tetrachloroethylene (PCE) | 1.3 | 19 | 1.3 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Toluene | 0.7 | 100 | 0.7 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Trans-1,2-Dichloroethene | 0.19 | 100 | 0.19 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Trans-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Trichloroethylene (TCE) | 0.47 | 21 | 0.47 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Trichlorofluoromethane | -- | -- | -- | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Vinyl Chloride | 0.02 | 0.9 | 0.02 | MG/KG | 0.00094 U | 0.0015 U | 0.0015 U |
| Xylenes | **0.26** | 100 | 1.6 | MG/KG | 0.0019 U | 0.003 U | 0.0029 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-20_WC-A2-4 | RXSB-20_WC-A2-4 |
| | | | | Sample Date: | 12/13/2023 | 12/13/2023 |
| | | | | Sample Depth (ft or in bls): | 6 - 8 ft | 8 - 10 ft |
| | | | | Normal Sample or Field Duplicate: | 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-Trichloroethane (TCA) | 0.68 | 100 | 0.68 | MG/KG | 0.0013 U | 0.0012 U |
| 1,1,2,2-Tetrachloroethane | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| 1,1,2-Trichloroethane | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| 1,1-Dichloroethane | 0.27 | 26 | 0.27 | MG/KG | 0.0013 U | 0.0012 U |
| 1,1-Dichloroethene | 0.33 | 100 | 0.33 | MG/KG | 0.0013 U | 0.0012 U |
| 1,2,3-Trichlorobenzene | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| 1,2,4-Trichlorobenzene | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| 1,2,4-Trimethylbenzene | 3.6 | 52 | 3.6 | MG/KG | 0.0013 U | 0.0012 U |
| 1,2-Dibromo-3-Chloropropane | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| 1,2-Dichlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.0013 U | 0.0012 U |
| 1,2-Dichloroethane | 0.02 | 3.1 | 0.02 | MG/KG | 0.0013 U | 0.0012 U |
| 1,2-Dichloropropane | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 8.4 | 52 | 8.4 | MG/KG | 0.0013 U | 0.0012 U |
| 1,3-Dichlorobenzene | 2.4 | 49 | 2.4 | MG/KG | 0.0013 U | 0.0012 U |
| 1,4-Dichlorobenzene | 1.8 | 13 | 1.8 | MG/KG | 0.0013 U | 0.0012 U |
| 2-Hexanone | -- | -- | -- | MG/KG | 0.0065 U | 0.0058 U |
| Acetone | 0.05 | 100 | 0.05 | MG/KG | 0.0078 U | 0.007 U |
| Benzene | 0.06 | 4.8 | 0.06 | MG/KG | 0.0013 U | 0.0012 U |
| Bromochloromethane | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| Bromodichloromethane | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| Bromoform | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| Bromomethane | -- | -- | -- | MG/KG | 0.0026 U | 0.0023 UJ |
| Carbon Disulfide | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| Carbon Tetrachloride | 0.76 | 2.4 | 0.76 | MG/KG | 0.0013 U | 0.0012 U |
| Chlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.0013 U | 0.0012 U |
| Chloroethane | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| Chloroform | 0.37 | 49 | 0.37 | MG/KG | 0.0013 U | 0.0012 U |
| Chloromethane | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| Cis-1,2-Dichloroethylene | 0.25 | 100 | 0.25 | MG/KG | 0.0013 U | 0.0012 U |
| Cis-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-20_WC-A2-4 | RXSB-20_WC-A2-4 |
| | | | | Sample Date: | 12/13/2023 | 12/13/2023 |
| | | | | Sample Depth (ft or in bls): | 6 - 8 ft | 8 - 10 ft |
| | | | | Normal Sample or Field Duplicate: | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | |
| Cyclohexane | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| Dibromochloromethane | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| Dichlorodifluoromethane | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| Ethylbenzene | 1 | 41 | 1 | MG/KG | 0.0013 U | 0.0012 U |
| Isopropylbenzene (Cumene) | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| m,p-Xylene | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| Methyl Acetate | -- | -- | -- | MG/KG | 0.0065 U | 0.0058 U |
| Methyl Ethyl Ketone (2-Butanone) | 0.12 | 100 | 0.12 | MG/KG | 0.015 | 0.0058 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | -- | -- | MG/KG | 0.0065 U | 0.0058 U |
| Methylcyclohexane | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| Methylene Chloride | 0.05 | 100 | 0.05 | MG/KG | 0.0026 U | 0.0023 U |
| N-Butylbenzene | 12 | 100 | 12 | MG/KG | 0.0013 U | 0.0012 U |
| N-Propylbenzene | 3.9 | 100 | 3.9 | MG/KG | 0.0013 U | 0.0012 U |
| O-Xylene (1,2-Dimethylbenzene) | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| Sec-Butylbenzene | 11 | 100 | 11 | MG/KG | 0.0013 U | 0.0012 U |
| Styrene | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| T-Butylbenzene | 5.9 | 100 | 5.9 | MG/KG | 0.0013 U | 0.0012 U |
| Tert-Butyl Methyl Ether | 0.93 | 100 | 0.93 | MG/KG | 0.0013 U | 0.0012 U |
| Tetrachloroethylene (PCE) | 1.3 | 19 | 1.3 | MG/KG | 0.0013 U | 0.0012 U |
| Toluene | 0.7 | 100 | 0.7 | MG/KG | 0.0013 U | 0.0012 U |
| Trans-1,2-Dichloroethene | 0.19 | 100 | 0.19 | MG/KG | 0.0013 U | 0.0012 U |
| Trans-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| Trichloroethylene (TCE) | 0.47 | 21 | 0.47 | MG/KG | 0.0013 U | 0.0012 U |
| Trichlorofluoromethane | -- | -- | -- | MG/KG | 0.0013 U | 0.0012 U |
| Vinyl Chloride | 0.02 | 0.9 | 0.02 | MG/KG | 0.0013 U | 0.0012 U |
| Xylenes | **0.26** | 100 | 1.6 | MG/KG | 0.0026 U | 0.0023 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-21 | RXSB-21 | RXSB-22 | RXSB-22 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/12/2023 | 12/13/2023 | 12/12/2023 | 12/12/2023 |
| | | | | Sample Depth (ft or in bls): | 2 - 6 in | 4 - 6 ft | 0 - 2 ft | 2 - 6 in |
| | | | | Normal Sample or Field Duplicate: | 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-Trichloroethane (TCA) | 0.68 | 100 | 0.68 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| 1,1,2,2-Tetrachloroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| 1,1,2-Trichloroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| 1,1-Dichloroethane | 0.27 | 26 | 0.27 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| 1,1-Dichloroethene | 0.33 | 100 | 0.33 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| 1,2,3-Trichlorobenzene | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| 1,2,4-Trichlorobenzene | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| 1,2,4-Trimethylbenzene | 3.6 | 52 | 3.6 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| 1,2-Dibromo-3-Chloropropane | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| 1,2-Dichlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| 1,2-Dichloroethane | 0.02 | 3.1 | 0.02 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| 1,2-Dichloropropane | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 8.4 | 52 | 8.4 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| 1,3-Dichlorobenzene | 2.4 | 49 | 2.4 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| 1,4-Dichlorobenzene | 1.8 | 13 | 1.8 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| 2-Hexanone | -- | -- | -- | MG/KG | 0.0057 U | 0.0067 U | 0.0051 U | 0.0049 U |
| Acetone | 0.05 | 100 | 0.05 | MG/KG | 0.0068 U | 0.008 U | 0.0062 U | 0.0058 U |
| Benzene | 0.06 | 4.8 | 0.06 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Bromochloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Bromodichloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Bromoform | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Bromomethane | -- | -- | -- | MG/KG | 0.0023 U | 0.0027 U | 0.0021 U | 0.0019 U |
| Carbon Disulfide | -- | -- | -- | MG/KG | 0.0011 UT | 0.0013 U | 0.001 U | 0.00097 UT |
| Carbon Tetrachloride | 0.76 | 2.4 | 0.76 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Chlorobenzene | 1.1 | 100 | 1.1 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Chloroethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Chloroform | 0.37 | 49 | 0.37 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Chloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Cis-1,2-Dichloroethylene | 0.25 | 100 | 0.25 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Cis-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |

**Table 1. Summary of Volatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-21 | RXSB-21 | RXSB-22 | RXSB-22 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/12/2023 | 12/13/2023 | 12/12/2023 | 12/12/2023 |
| | | | | Sample Depth (ft or in bls): | 2 - 6 in | 4 - 6 ft | 0 - 2 ft | 2 - 6 in |
| | | | | Normal Sample or Field Duplicate: | 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 | | | | |
| Cyclohexane | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Dibromochloromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Dichlorodifluoromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Ethylbenzene | 1 | 41 | 1 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Isopropylbenzene (Cumene) | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| m,p-Xylene | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Methyl Acetate | -- | -- | -- | MG/KG | 0.0057 U | 0.0067 U | 0.0051 U | 0.0049 U |
| Methyl Ethyl Ketone (2-Butanone) | 0.12 | 100 | 0.12 | MG/KG | 0.0057 U | 0.0067 U | 0.0051 U | 0.0049 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | -- | -- | MG/KG | 0.0057 U | 0.0067 U | 0.0051 U | 0.0049 U |
| Methylcyclohexane | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Methylene Chloride | 0.05 | 100 | 0.05 | MG/KG | 0.0023 U | 0.0027 U | 0.0021 U | 0.0019 U |
| N-Butylbenzene | 12 | 100 | 12 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| N-Propylbenzene | 3.9 | 100 | 3.9 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| O-Xylene (1,2-Dimethylbenzene) | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Sec-Butylbenzene | 11 | 100 | 11 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Styrene | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| T-Butylbenzene | 5.9 | 100 | 5.9 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Tert-Butyl Methyl Ether | 0.93 | 100 | 0.93 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Tetrachloroethylene (PCE) | 1.3 | 19 | 1.3 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Toluene | 0.7 | 100 | 0.7 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Trans-1,2-Dichloroethene | 0.19 | 100 | 0.19 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Trans-1,3-Dichloropropene | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Trichloroethylene (TCE) | 0.47 | 21 | 0.47 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Trichlorofluoromethane | -- | -- | -- | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Vinyl Chloride | 0.02 | 0.9 | 0.02 | MG/KG | 0.0011 U | 0.0013 U | 0.001 U | 0.00097 U |
| Xylenes | **0.26** | 100 | 1.6 | MG/KG | 0.0023 U | 0.0027 U | 0.0021 U | 0.0019 U |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-1 | RXSB-1 | RXSB-2 | RXSB-2 |
| | | | | Sample Date: | 11/18/2022 | 11/18/2022 | 11/18/2022 | 11/23/2022 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 | 2 - 4 | 2 - 4 | 4 - 6 |
| | | | | Normal Sample or Field Duplicate: | 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 | NA | NA | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.038 U | 0.041 U | 0.039 U | 0.19 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Chlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.38 U | 0.41 U | 0.39 U | 1.9 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Nitrophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 3-Nitroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Chloroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | NA | NA | NA | NA |
| 4-Nitroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Nitrophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Acenaphthene | **20** | 100 | 98 | MG/KG | 0.38 U | 0.028 J | 0.066 J | 0.1 J |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 0.38 U | 0.41 U | 0.1 J | 0.16 J |
| Acetophenone | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Anthracene | 100 | 100 | 1000 | MG/KG | 0.028 J | 0.075 J | 0.23 J | 0.32 J |
| Atrazine | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Benzaldehyde | -- | -- | -- | MG/KG | NA | NA | NA | NA |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-1 | RXSB-1 | RXSB-2 | RXSB-2 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 11/18/2022 | 11/18/2022 | 11/18/2022 | 11/23/2022 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 | 2 - 4 | 2 - 4 | 4 - 6 |
| | | | | Normal Sample or Field Duplicate: | 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(A)Anthracene | **1** | 1 | 1 | MG/KG | 0.13 | 0.25 | **1.4** | **1.6** |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | 0.12 | 0.22 | **1.4** | **1.5** |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | 0.18 | 0.33 | **2.1** | **2.3** |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 0.061 J | 0.11 J | 0.61 | 0.89 J |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | 0.069 | 0.14 | **0.83** | 0.8 |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Caprolactam | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Carbazole | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Chrysene | **1** | 3.9 | 1 | MG/KG | 0.14 J | 0.25 J | **1.4** | **1.5 J** |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | 0.38 U | 0.41 U | 0.39 U | 1.9 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | 0.019 J | 0.035 J | 0.21 | 0.32 |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | 0.38 U | 0.016 J | 0.036 J | 1.9 U |
| Diethyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | 0.26 J | 0.58 | 2.7 | 3 |
| Fluorene | **30** | 100 | 386 | MG/KG | 0.38 U | 0.026 J | 0.064 J | 1.9 U |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.038 U | 0.041 U | 0.039 U | 0.19 U |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Hexachloroethane | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | 0.072 | 0.14 | **0.81** | **1.2 T** |
| Isophorone | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Naphthalene | **12** | 100 | 12 | MG/KG | 0.38 U | 0.012 J | 0.019 J | 1.9 U |
| Nitrobenzene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | NA | NA | NA | NA |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-1 | RXSB-1 | RXSB-2 | RXSB-2 |
| | | | | Sample Date: | 11/18/2022 | 11/18/2022 | 11/18/2022 | 11/23/2022 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 | 2 - 4 | 2 - 4 | 4 - 6 |
| | | | | Normal Sample or Field Duplicate: | 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 | | | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 0.31 U | 0.33 U | 0.32 U | 1.6 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | 0.13 J | 0.36 J | 1.1 | 1.5 J |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.38 U | 0.41 U | 0.39 U | 1.9 U |
| Pyrene | **100** | 100 | 1000 | MG/KG | 0.22 J | 0.44 | 2.3 | 2.7 |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-3 | RXSB-4 | RXSB-4 | RXSB-5 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 11/18/2022 | 11/23/2022 | 11/23/2022 | 11/23/2022 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 | 0 - 2 | 2 - 4 | 0 - 2 |
| | | | | Normal Sample or Field Duplicate: | 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 | NA | NA | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.04 U | 0.19 U | 0.038 U | 0.038 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Chlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.4 U | 1.9 U | 0.38 U | 0.38 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Nitrophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 3-Nitroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Chloroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | NA | NA | NA | NA |
| 4-Nitroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Nitrophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Acenaphthene | **20** | 100 | 98 | MG/KG | 0.24 J | 1.1 J | 0.17 J | 0.71 |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 0.072 J | 0.62 J | 0.076 J | 0.32 J |
| Acetophenone | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Anthracene | 100 | 100 | 1000 | MG/KG | 0.56 | 3.2 | 0.64 | 1.9 |
| Atrazine | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Benzaldehyde | -- | -- | -- | MG/KG | NA | NA | NA | NA |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-3 | RXSB-4 | RXSB-4 | RXSB-5 |
| | | | | Sample Date: | 11/18/2022 | 11/23/2022 | 11/23/2022 | 11/23/2022 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 | 0 - 2 | 2 - 4 | 0 - 2 |
| | | | | Normal Sample or Field Duplicate: | 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(A)Anthracene | **1** | 1 | 1 | MG/KG | **1.7** | **8.6** | **1.8** | **7.1** |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | **1.4** | **7.8** | **1.6** | **6.6** |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | **2** | **10** | **2** | **8.7** |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 0.53 | 3.9 | 0.9 | 3.3 |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | 0.68 | **3.3** | 0.77 | **2.8** |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Caprolactam | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Carbazole | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Chrysene | **1** | 3.9 | 1 | MG/KG | **1.6** | **7.3** | **1.6** | **6.8** |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | 0.4 U | 1.9 U | 0.38 U | 0.38 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | 0.14 | **1.2** | 0.29 | **1** |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | 0.11 J | 0.76 J | 0.1 J | 0.36 J |
| Diethyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | 3.1 | 18 | 3.3 | 10 |
| Fluorene | **30** | 100 | 386 | MG/KG | 0.25 J | 1.3 J | 0.23 J | 0.74 |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.04 U | 0.19 U | 0.038 U | 0.038 U |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Hexachloroethane | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | **0.72** | **5.2 T** | **1.2 T** | **4.5 T** |
| Isophorone | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Naphthalene | **12** | 100 | 12 | MG/KG | 0.092 J | 0.57 J | 0.059 J | 0.25 J |
| Nitrobenzene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | NA | NA | NA | NA |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-3 | RXSB-4 | RXSB-4 | RXSB-5 |
| | | | | Sample Date: | 11/18/2022 | 11/23/2022 | 11/23/2022 | 11/23/2022 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 | 0 - 2 | 2 - 4 | 0 - 2 |
| | | | | Normal Sample or Field Duplicate: | 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 | | | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 0.32 U | 1.5 U | 0.31 U | 0.31 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | 2.8 | 12 | 2.3 | 7.8 |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.4 U | 1.9 U | 0.38 U | 0.092 J |
| Pyrene | **100** | 100 | 1000 | MG/KG | 3 | 17 | 3 | 9.6 |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-5 | RXSB-6 | RXSB-6 | RXSB-7 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 11/23/2022 | 11/18/2022 | 11/18/2022 | 11/18/2022 |
| | | | | Sample Depth (ft or in bls): | 2 - 4 | 0 - 2 | 2 - 4 | 2 - 4 |
| | | | | Normal Sample or Field Duplicate: | 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 | NA | NA | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.038 U | 0.038 U | 0.038 U | 0.038 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Chlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.38 U | 0.38 U | 0.38 U | 0.38 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Nitrophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 3-Nitroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Chloroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | NA | NA | NA | NA |
| 4-Nitroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Nitrophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Acenaphthene | **20** | 100 | 98 | MG/KG | 0.33 J | 0.41 | 0.28 J | 0.041 J |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 0.18 J | 0.033 J | 0.028 J | 0.023 J |
| Acetophenone | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Anthracene | 100 | 100 | 1000 | MG/KG | 1.1 | 1.4 | 1 | 0.11 J |
| Atrazine | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Benzaldehyde | -- | -- | -- | MG/KG | NA | NA | NA | NA |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-5 | RXSB-6 | RXSB-6 | RXSB-7 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 11/23/2022 | 11/18/2022 | 11/18/2022 | 11/18/2022 |
| | | | | Sample Depth (ft or in bls): | 2 - 4 | 0 - 2 | 2 - 4 | 2 - 4 |
| | | | | Normal Sample or Field Duplicate: | 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(A)Anthracene | **1** | 1 | 1 | MG/KG | **3.7** | **3.3** | **2.5** | 0.26 |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | **3.3** | **2.7** | **2.1** | 0.21 |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | **4.3** | **3.6** | **2.9** | 0.29 |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 1.7 | 1.1 | 0.79 | 0.21 J |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | **1.4** | **1.3** | **1** | 0.12 |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Caprolactam | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Carbazole | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Chrysene | **1** | 3.9 | 1 | MG/KG | **3.3** | **3.1** | **2.3** | 0.27 J |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | 0.38 U | 0.38 U | 0.38 U | 0.38 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | **0.49** | **0.39** | 0.29 | 0.039 |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | 0.23 J | 0.36 J | 0.25 J | 0.025 J |
| Diethyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | 6.2 | 6.9 | 5 | 0.59 |
| Fluorene | **30** | 100 | 386 | MG/KG | 0.38 | 0.58 | 0.4 | 0.039 J |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.038 U | 0.038 U | 0.038 U | 0.038 U |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Hexachloroethane | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | **2.2 T** | **1.4** | **1.1** | 0.2 |
| Isophorone | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Naphthalene | **12** | 100 | 12 | MG/KG | 0.16 J | 0.21 J | 0.14 J | 0.013 J |
| Nitrobenzene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | NA | NA | NA | NA |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-5 | RXSB-6 | RXSB-6 | RXSB-7 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 11/23/2022 | 11/18/2022 | 11/18/2022 | 11/18/2022 |
| | | | | Sample Depth (ft or in bls): | 2 - 4 | 0 - 2 | 2 - 4 | 2 - 4 |
| | | | | Normal Sample or Field Duplicate: | 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 | | | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 0.31 U | 0.31 U | 0.31 U | 0.31 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | 4.9 | 6 | 4.3 | 0.52 |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.38 U | 0.38 U | 0.38 U | 0.38 U |
| Pyrene | **100** | 100 | 1000 | MG/KG | 5.9 | 5.4 | 4 | 0.48 |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-7 | RXSB-8 | RXSB-8 | RXSB-9 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 11/22/2022 | 11/17/2022 | 11/17/2022 | 11/22/2022 |
| | | | | Sample Depth (ft or in bls): | 12 - 14 | 4 - 6 | 12 - 14 | 0 - 2 |
| | | | | Normal Sample or Field Duplicate: | 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 | NA | NA | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.034 U | 0.052 U | 0.034 U | 0.037 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Chlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.34 U | 0.52 U | 0.34 U | 0.37 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Nitrophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 3-Nitroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Chloroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | NA | NA | NA | NA |
| 4-Nitroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Nitrophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Acenaphthene | **20** | 100 | 98 | MG/KG | 0.34 U | 0.52 U | 0.34 U | 0.039 J |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 0.34 U | 0.021 J | 0.34 U | 0.096 J |
| Acetophenone | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Anthracene | 100 | 100 | 1000 | MG/KG | 0.34 U | 0.083 J | 0.34 U | 0.18 J |
| Atrazine | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Benzaldehyde | -- | -- | -- | MG/KG | NA | NA | NA | NA |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-7 | RXSB-8 | RXSB-8 | RXSB-9 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 11/22/2022 | 11/17/2022 | 11/17/2022 | 11/22/2022 |
| | | | | Sample Depth (ft or in bls): | 12 - 14 | 4 - 6 | 12 - 14 | 0 - 2 |
| | | | | Normal Sample or Field Duplicate: | 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(A)Anthracene | **1** | 1 | 1 | MG/KG | 0.034 U | 0.26 | 0.034 U | 0.87 |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | 0.034 U | 0.37 | 0.034 U | 0.81 |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | 0.034 U | 0.46 | 0.034 U | **1.2** |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 0.34 U | 0.29 J | 0.34 U | 0.4 |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | 0.034 U | 0.21 | 0.034 U | 0.39 |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Caprolactam | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Carbazole | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Chrysene | **1** | 3.9 | 1 | MG/KG | 0.34 U | 0.3 J | 0.34 U | 0.91 |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | 0.34 U | 0.52 U | 0.34 U | 0.37 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | 0.034 U | 0.058 | 0.034 U | 0.11 |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | 0.34 U | 0.52 U | 0.34 U | 0.033 J |
| Diethyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | 0.34 U | 0.51 J | 0.34 U | 1.5 |
| Fluorene | **30** | 100 | 386 | MG/KG | 0.34 U | 0.017 J | 0.34 U | 0.051 J |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.034 U | 0.052 UT | 0.034 UT | 0.037 U |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Hexachloroethane | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | 0.034 U | 0.33 | 0.034 U | 0.47 |
| Isophorone | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Naphthalene | **12** | 100 | 12 | MG/KG | 0.34 U | 0.011 J | 0.34 U | 0.073 J |
| Nitrobenzene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | NA | NA | NA | NA |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-7 | RXSB-8 | RXSB-8 | RXSB-9 |
| | | | | Sample Date: | 11/22/2022 | 11/17/2022 | 11/17/2022 | 11/22/2022 |
| | | | | Sample Depth (ft or in bls): | 12 - 14 | 4 - 6 | 12 - 14 | 0 - 2 |
| | | | | Normal Sample or Field Duplicate: | 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 | | | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 0.28 U | 0.42 U | 0.28 U | 0.3 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | 0.34 U | 0.28 J | 0.34 U | 0.74 |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.34 U | 0.52 U | 0.34 U | 0.37 U |
| Pyrene | **100** | 100 | 1000 | MG/KG | 0.34 U | 0.41 J | 0.34 U | 1.6 |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-9 | RXSB-9 | RXSB-10 | RXSB-10 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 11/22/2022 | 11/22/2022 | 11/22/2022 | 11/22/2022 |
| | | | | Sample Depth (ft or in bls): | 6 - 8 | 12 - 14 | 6 - 8 | 12 - 14 |
| | | | | Normal Sample or Field Duplicate: | 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 | NA | NA | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.041 U | 0.036 U | 0.037 U | 0.035 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Chlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.41 U | 0.36 U | 0.37 U | 0.35 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Nitrophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 3-Nitroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Chloroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | NA | NA | NA | NA |
| 4-Nitroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Nitrophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Acenaphthene | **20** | 100 | 98 | MG/KG | 0.2 J | 0.36 U | 0.41 | 0.35 U |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 0.013 J | 0.36 U | 0.46 | 0.35 U |
| Acetophenone | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Anthracene | 100 | 100 | 1000 | MG/KG | 0.58 | 0.36 U | 2.5 | 0.35 U |
| Atrazine | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Benzaldehyde | -- | -- | -- | MG/KG | NA | NA | NA | NA |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-9 | RXSB-9 | RXSB-10 | RXSB-10 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 11/22/2022 | 11/22/2022 | 11/22/2022 | 11/22/2022 |
| | | | | Sample Depth (ft or in bls): | 6 - 8 | 12 - 14 | 6 - 8 | 12 - 14 |
| | | | | Normal Sample or Field Duplicate: | 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(A)Anthracene | **1** | 1 | 1 | MG/KG | **1.8** | 0.036 U | **8.9** | 0.035 U |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | **1.5** | 0.013 J | **7.4** | 0.035 U |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | **2.1** | 0.016 J | **6.9** | 0.035 U |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 0.9 | 0.36 U | 3.4 | 0.35 U |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | 0.72 | 0.0077 J | **3.7** | 0.035 U |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Caprolactam | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Carbazole | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Chrysene | **1** | 3.9 | 1 | MG/KG | **1.6** | 0.36 U | **8.3** | 0.35 U |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | 0.41 U | 0.36 U | 0.03 J | 0.35 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | 0.24 | 0.036 U | **1** | 0.035 U |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | 0.082 J | 0.36 U | 0.42 | 0.35 U |
| Diethyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | 3.6 | 0.36 U | 14 | 0.35 U |
| Fluorene | **30** | 100 | 386 | MG/KG | 0.18 J | 0.36 U | 0.46 | 0.35 U |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.041 U | 0.036 U | 0.037 U | 0.035 U |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Hexachloroethane | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | **1.1** | 0.036 U | **4.5** | 0.035 U |
| Isophorone | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Naphthalene | **12** | 100 | 12 | MG/KG | 0.036 J | 0.36 U | 0.12 J | 0.35 U |
| Nitrobenzene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | NA | NA | NA | NA |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-9 | RXSB-9 | RXSB-10 | RXSB-10 |
| | | | | Sample Date: | 11/22/2022 | 11/22/2022 | 11/22/2022 | 11/22/2022 |
| | | | | Sample Depth (ft or in bls): | 6 - 8 | 12 - 14 | 6 - 8 | 12 - 14 |
| | | | | Normal Sample or Field Duplicate: | 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 | | | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 0.33 U | 0.29 U | 0.3 U | 0.28 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | 2.2 | 0.36 U | 7.3 | 0.35 U |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.41 U | 0.36 U | 0.016 J | 0.35 U |
| Pyrene | **100** | 100 | 1000 | MG/KG | 3.5 | 0.36 U | 11 | 0.35 U |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-11 | RXSB-11 | RXSB-12 | RXSB-12 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 11/18/2022 | 11/18/2022 | 11/17/2022 | 11/17/2022 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 | 2 - 4 | 0 - 2 | 4 - 6 |
| | | | | Normal Sample or Field Duplicate: | 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 | NA | NA | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.033 U | 0.033 U | 0.034 U | 0.036 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Chlorophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.33 U | 0.33 U | 0.34 U | 0.36 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 2-Nitrophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 3-Nitroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Chloroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | NA | NA | NA | NA |
| 4-Nitroaniline | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| 4-Nitrophenol | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Acenaphthene | **20** | 100 | 98 | MG/KG | 0.017 J | 0.03 J | 0.13 J | 0.36 U |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 0.015 J | 0.0097 J | 0.053 J | 0.36 U |
| Acetophenone | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Anthracene | 100 | 100 | 1000 | MG/KG | 0.053 J | 0.035 J | 0.41 | 0.024 J |
| Atrazine | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Benzaldehyde | -- | -- | -- | MG/KG | NA | NA | NA | NA |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-11 | RXSB-11 | RXSB-12 | RXSB-12 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 11/18/2022 | 11/18/2022 | 11/17/2022 | 11/17/2022 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 | 2 - 4 | 0 - 2 | 4 - 6 |
| | | | | Normal Sample or Field Duplicate: | 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(A)Anthracene | **1** | 1 | 1 | MG/KG | 0.23 | 0.2 | **1.7** | 0.094 |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | 0.23 | 0.2 | **1.6** | 0.084 |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | 0.31 | 0.31 | **2** | 0.12 |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 0.13 J | 0.11 J | 0.72 | 0.046 J |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | 0.11 | 0.094 | 0.74 | 0.038 |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Caprolactam | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Carbazole | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Chrysene | **1** | 3.9 | 1 | MG/KG | 0.24 J | 0.23 J | **1.6** | 0.1 J |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | 0.33 U | 0.33 U | 0.34 U | 0.36 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | 0.041 | 0.036 | 0.22 | 0.036 U |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | 0.33 U | 0.028 J | 0.07 J | 0.36 U |
| Diethyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | 0.48 | 0.53 | 3.1 | 0.2 J |
| Fluorene | **30** | 100 | 386 | MG/KG | 0.02 J | 0.036 J | 0.16 J | 0.36 U |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.033 U | 0.033 U | 0.034 UT | 0.036 UT |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Hexachloroethane | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | 0.15 | 0.14 | **0.93** | 0.055 |
| Isophorone | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Naphthalene | **12** | 100 | 12 | MG/KG | 0.035 J | 0.04 J | 0.039 J | 0.36 U |
| Nitrobenzene | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | NA | NA | NA | NA |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-11 | RXSB-11 | RXSB-12 | RXSB-12 |
| | | | | Sample Date: | 11/18/2022 | 11/18/2022 | 11/17/2022 | 11/17/2022 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 | 2 - 4 | 0 - 2 | 4 - 6 |
| | | | | Normal Sample or Field Duplicate: | 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 | | | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | NA | NA | NA | NA |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 0.27 U | 0.27 U | 0.27 U | 0.29 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | 0.25 J | 0.4 | 1.7 | 0.13 J |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.33 U | 0.33 U | 0.34 U | 0.36 U |
| Pyrene | **100** | 100 | 1000 | MG/KG | 0.4 | 0.38 | 2.9 | 0.19 J |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-13 | RXSB-13 | RXSB-13 |
|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/13/2023 | 12/14/2023 | 12/14/2023 |
| | | | | Sample Depth (ft or in bls): | 10 - 12 ft | 0 - 2 in | 0 - 2 in |
| | | | | Normal Sample or Field Duplicate: | 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 | 0.35 U | 0.36 U | 0.36 U |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.035 U | 0.036 U | 0.036 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | 0.14 U | 0.14 U | 0.14 U |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | 0.14 U | 0.14 U | 0.14 U |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | 0.28 U | 0.29 U | 0.29 U |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | 0.071 U | 0.073 U | 0.073 U |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | 0.071 U | 0.073 U | 0.073 U |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| 2-Chlorophenol | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| 2-Nitrophenol | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | 0.14 U | 0.14 U | 0.14 U |
| 3-Nitroaniline | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | 0.28 U | 0.29 U | 0.29 U |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| 4-Chloroaniline | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| 4-Nitroaniline | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| 4-Nitrophenol | -- | -- | -- | MG/KG | 0.71 U | 0.73 U | 0.73 U |
| Acenaphthene | **20** | 100 | 98 | MG/KG | 0.013 J | 0.36 U | 0.36 U |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| Acetophenone | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| Anthracene | 100 | 100 | 1000 | MG/KG | 0.025 J | 0.36 U | 0.36 U |
| Atrazine | -- | -- | -- | MG/KG | 0.14 UT | 0.14 UT | 0.14 UT |
| Benzaldehyde | -- | -- | -- | MG/KG | 0.35 UJ | 0.36 UJ | 0.36 UJ |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-13 | RXSB-13 | RXSB-13 |
| | | | | Sample Date: | 12/13/2023 | 12/14/2023 | 12/14/2023 |
| | | | | Sample Depth (ft or in bls): | 10 - 12 ft | 0 - 2 in | 0 - 2 in |
| | | | | Normal Sample or Field Duplicate: | 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(A)Anthracene | **1** | 1 | 1 | MG/KG | 0.058 | 0.036 U | 0.031 J |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | 0.048 | 0.036 U | 0.025 J |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | 0.06 | 0.036 U | 0.029 J |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 0.028 J | 0.36 U | 0.014 J |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | 0.025 J | 0.036 U | 0.036 U |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | 0.035 U | 0.036 U | 0.036 U |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | 0.35 U | 0.36 UJ | 0.36 UJ |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| Caprolactam | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| Carbazole | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| Chrysene | **1** | 3.9 | 1 | MG/KG | 0.051 J | 0.36 U | 0.023 J |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | 0.035 U | 0.036 U | 0.036 U |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| Diethyl Phthalate | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.068 J |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | 0.11 J | 0.36 U | 0.042 J |
| Fluorene | **30** | 100 | 386 | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.035 U | 0.036 U | 0.036 U |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | 0.071 U | 0.073 U | 0.073 U |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| Hexachloroethane | -- | -- | -- | MG/KG | 0.035 U | 0.036 U | 0.036 U |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | 0.03 J | 0.036 U | 0.036 U |
| Isophorone | -- | -- | -- | MG/KG | 0.14 U | 0.14 U | 0.14 U |
| Naphthalene | **12** | 100 | 12 | MG/KG | 0.012 J | 0.36 U | 0.36 U |
| Nitrobenzene | -- | -- | -- | MG/KG | 0.035 U | 0.036 U | 0.036 U |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | 0.035 U | 0.036 U | 0.036 U |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-13 | RXSB-13 | RXSB-13 |
| | | | | Sample Date: | 12/13/2023 | 12/14/2023 | 12/14/2023 |
| | | | | Sample Depth (ft or in bls): | 10 - 12 ft | 0 - 2 in | 0 - 2 in |
| | | | | Normal Sample or Field Duplicate: | N | N | FD |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | 0.35 U | 0.36 U | 0.36 U |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 0.28 U | 0.29 U | 0.29 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | 0.11 J | 0.36 U | 0.019 J |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.35 U | 0.36 UJ | 0.36 UJ |
| Pyrene | **100** | 100 | 1000 | MG/KG | 0.11 J | 0.36 U | 0.032 J |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-13_WC-A1-3 | RXSB-14 | RXSB-14 |
| | | | | Sample Date: | 12/13/2023 | 12/11/2023 | 12/11/2023 |
| | | | | Sample Depth (ft or in bls): | 6 - 8 ft | 0 - 2 in | 10 - 12 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | 0.33 U | 0.36 U | 0.33 U |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.033 U | 0.036 U | 0.033 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | 0.13 U | 0.14 U | 0.13 U |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | 0.13 U | 0.14 U | 0.13 U |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | 0.27 U | 0.29 U | 0.27 U |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | 0.068 U | 0.072 U | 0.067 U |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | 0.068 U | 0.072 U | 0.067 U |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| 2-Chlorophenol | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| 2-Nitrophenol | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | 0.13 U | 0.14 U | 0.13 U |
| 3-Nitroaniline | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | 0.27 U | 0.29 U | 0.27 U |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| 4-Chloroaniline | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| 4-Nitroaniline | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| 4-Nitrophenol | -- | -- | -- | MG/KG | 0.68 U | 0.72 U | 0.67 U |
| Acenaphthene | **20** | 100 | 98 | MG/KG | 0.33 U | 0.021 J | 0.33 U |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 0.33 U | 0.017 J | 0.33 U |
| Acetophenone | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| Anthracene | 100 | 100 | 1000 | MG/KG | 0.33 U | 0.084 J | 0.33 U |
| Atrazine | -- | -- | -- | MG/KG | 0.13 UT | 0.14 U | 0.13 U |
| Benzaldehyde | -- | -- | -- | MG/KG | 0.33 UJ | 0.36 UJ | 0.33 UT |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-13_WC-A1-3 | RXSB-14 | RXSB-14 |
| | | | | Sample Date: | 12/13/2023 | 12/11/2023 | 12/11/2023 |
| | | | | Sample Depth (ft or in bls): | 6 - 8 ft | 0 - 2 in | 10 - 12 ft |
| | | | | Normal Sample or Field Duplicate: | 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(A)Anthracene | **1** | 1 | 1 | MG/KG | 0.033 U | 0.42 | 0.033 U |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | 0.033 U | 0.45 | 0.033 U |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | 0.033 U | 0.57 | 0.033 U |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 0.33 U | 0.28 J | 0.33 U |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | 0.033 U | 0.19 | 0.033 U |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | 0.033 U | 0.036 U | 0.033 U |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | 0.33 U | 0.36 UJ | 0.33 U |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| Caprolactam | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| Carbazole | -- | -- | -- | MG/KG | 0.33 U | 0.034 J | 0.33 U |
| Chrysene | **1** | 3.9 | 1 | MG/KG | 0.33 U | 0.39 | 0.33 U |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | 0.033 U | 0.068 | 0.033 U |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| Diethyl Phthalate | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | 0.023 J | 0.36 U | 0.33 U |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | 0.33 U | 0.75 | 0.33 U |
| Fluorene | **30** | 100 | 386 | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.033 U | 0.036 U | 0.033 U |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | 0.068 U | 0.072 UT | 0.067 U |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| Hexachloroethane | -- | -- | -- | MG/KG | 0.033 U | 0.036 U | 0.033 U |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | 0.033 U | 0.31 | 0.033 U |
| Isophorone | -- | -- | -- | MG/KG | 0.13 U | 0.14 U | 0.13 U |
| Naphthalene | **12** | 100 | 12 | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| Nitrobenzene | -- | -- | -- | MG/KG | 0.033 U | 0.036 U | 0.033 U |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | 0.033 U | 0.036 U | 0.033 U |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-13_WC-A1-3 | RXSB-14 | RXSB-14 |
| | | | | Sample Date: | 12/13/2023 | 12/11/2023 | 12/11/2023 |
| | | | | Sample Depth (ft or in bls): | 6 - 8 ft | 0 - 2 in | 10 - 12 ft |
| | | | | Normal Sample or Field Duplicate: | N | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | 0.33 U | 0.36 U | 0.33 U |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 0.27 U | 0.29 U | 0.27 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | 0.33 U | 0.35 J | 0.33 U |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.33 U | 0.36 UJ | 0.33 U |
| Pyrene | **100** | 100 | 1000 | MG/KG | 0.33 U | 0.63 | 0.33 U |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-14_WC-B1-3 | RXSB-15 | RXSB-15WC-C-3 |
| | | | | Sample Date: | 12/11/2023 | 12/08/2023 | 12/12/2023 |
| | | | | Sample Depth (ft or in bls): | 8 - 10 ft | 0 - 2 in | 2 - 4 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | 0.37 U | 0.39 U | 0.34 U |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.037 U | 0.039 U | 0.034 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | 0.15 U | 0.16 U | 0.14 U |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | 0.15 U | 0.16 U | 0.14 U |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | 0.3 U | 0.31 U | 0.27 UT |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | 0.074 U | 0.079 U | 0.068 U |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | 0.074 U | 0.079 U | 0.068 U |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| 2-Chlorophenol | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | 0.37 U | 0.014 J | 0.34 U |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| 2-Nitrophenol | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | 0.15 U | 0.16 UT | 0.14 U |
| 3-Nitroaniline | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | 0.3 U | 0.31 U | 0.27 UT |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| 4-Chloroaniline | -- | -- | -- | MG/KG | 0.37 U | 0.39 UT | 0.34 U |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| 4-Nitroaniline | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| 4-Nitrophenol | -- | -- | -- | MG/KG | 0.74 U | 0.79 U | 0.68 U |
| Acenaphthene | **20** | 100 | 98 | MG/KG | 0.37 U | 0.05 J | 0.34 U |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 0.37 U | 0.032 J | 0.34 U |
| Acetophenone | -- | -- | -- | MG/KG | 0.37 U | 0.021 J | 0.34 U |
| Anthracene | 100 | 100 | 1000 | MG/KG | 0.37 U | 0.2 J | 0.34 U |
| Atrazine | -- | -- | -- | MG/KG | 0.15 U | 0.16 UT | 0.14 U |
| Benzaldehyde | -- | -- | -- | MG/KG | 0.37 UJ | 0.39 U | 0.34 UJ |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-14_WC-B1-3 | RXSB-15 | RXSB-15WC-C-3 |
| | | | | Sample Date: | 12/11/2023 | 12/08/2023 | 12/12/2023 |
| | | | | Sample Depth (ft or in bls): | 8 - 10 ft | 0 - 2 in | 2 - 4 ft |
| | | | | Normal Sample or Field Duplicate: | 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(A)Anthracene | **1** | 1 | 1 | MG/KG | 0.037 U | 0.81 | 0.034 |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | 0.037 U | 0.81 | 0.032 J |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | 0.037 U | 1 | 0.039 |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 0.37 U | 0.37 J | 0.022 J |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | 0.037 U | 0.41 | 0.014 J |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | 0.37 U | 0.074 J | 0.34 U |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | 0.037 U | 0.039 U | 0.034 U |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | 0.37 UJ | 0.39 U | 0.34 U |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | 0.37 U | 0.085 J | 0.34 U |
| Caprolactam | -- | -- | -- | MG/KG | 0.37 U | 0.39 UT | 0.34 U |
| Carbazole | -- | -- | -- | MG/KG | 0.37 U | 0.056 J | 0.34 U |
| Chrysene | **1** | 3.9 | 1 | MG/KG | 0.37 U | 0.72 | 0.031 J |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | 0.037 U | 0.12 | 0.034 U |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | 0.37 U | 0.026 J | 0.34 U |
| Diethyl Phthalate | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | 0.37 U | 0.04 J | 0.34 U |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | 0.37 U | 1.6 | 0.049 J |
| Fluorene | **30** | 100 | 386 | MG/KG | 0.37 U | 0.048 J | 0.34 U |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.037 U | 0.039 U | 0.034 U |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | 0.074 UT | 0.079 U | 0.068 U |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| Hexachloroethane | -- | -- | -- | MG/KG | 0.037 U | 0.039 U | 0.034 U |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | 0.037 U | **0.55** | 0.022 J |
| Isophorone | -- | -- | -- | MG/KG | 0.15 U | 0.16 U | 0.14 U |
| Naphthalene | **12** | 100 | 12 | MG/KG | 0.37 U | 0.021 J | 0.34 U |
| Nitrobenzene | -- | -- | -- | MG/KG | 0.037 U | 0.039 U | 0.034 U |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | 0.037 U | 0.039 U | 0.034 U |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-14_WC-B1-3 | RXSB-15 | RXSB-15WC-C-3 |
| | | | | Sample Date: | 12/11/2023 | 12/08/2023 | 12/12/2023 |
| | | | | Sample Depth (ft or in bls): | 8 - 10 ft | 0 - 2 in | 2 - 4 ft |
| | | | | Normal Sample or Field Duplicate: | N | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | 0.37 U | 0.39 U | 0.34 U |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 0.3 U | 0.31 U | 0.27 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | 0.37 U | 0.73 | 0.028 J |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.37 UJ | 0.39 U | 0.34 U |
| Pyrene | **100** | 100 | 1000 | MG/KG | 0.37 U | 1.3 T | 0.05 J |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-15WC-C-3 | RXSB-16 | RXSB-16_WC-D-1 |
| | | | | Sample Date: | 12/12/2023 | 12/07/2023 | 12/07/2023 |
| | | | | Sample Depth (ft or in bls): | 8 - 10 ft | 0 - 2 in | 0 - 2 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | 0.33 U | 0.38 U | 0.34 U |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.033 U | 0.038 U | 0.034 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | 0.13 U | 0.15 U | 0.14 U |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | 0.13 U | 0.15 U | 0.14 U |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | 0.27 U | 0.31 U | 0.28 U |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | 0.067 U | 0.077 U | 0.07 U |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | 0.067 U | 0.077 U | 0.07 U |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| 2-Chlorophenol | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | 0.33 U | 0.04 J | 0.013 J |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| 2-Nitrophenol | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | 0.13 U | 0.15 U | 0.14 U |
| 3-Nitroaniline | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | 0.27 U | 0.31 U | 0.28 U |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| 4-Chloroaniline | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| 4-Nitroaniline | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| 4-Nitrophenol | -- | -- | -- | MG/KG | 0.67 U | 0.77 U | 0.7 U |
| Acenaphthene | **20** | 100 | 98 | MG/KG | 0.33 U | 0.097 J | 0.096 J |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 0.33 U | 0.064 J | 0.055 J |
| Acetophenone | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| Anthracene | 100 | 100 | 1000 | MG/KG | 0.33 U | 0.31 J | 0.33 J |
| Atrazine | -- | -- | -- | MG/KG | 0.13 UT | 0.15 U | 0.14 U |
| Benzaldehyde | -- | -- | -- | MG/KG | 0.33 UJ | 0.38 UJ | 0.34 UJ |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-15WC-C-3 | RXSB-16 | RXSB-16_WC-D-1 |
| | | | | Sample Date: | 12/12/2023 | 12/07/2023 | 12/07/2023 |
| | | | | Sample Depth (ft or in bls): | 8 - 10 ft | 0 - 2 in | 0 - 2 ft |
| | | | | Normal Sample or Field Duplicate: | 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(A)Anthracene | **1** | 1 | 1 | MG/KG | 0.033 U | 0.79 | 1 |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | 0.033 U | 0.91 | **1.1** |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | 0.033 U | 1 | **1.4** |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 0.33 U | 0.81 | 0.67 |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | 0.033 U | 0.5 | 0.68 |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | 0.33 U | 0.086 JT | 0.045 JT |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | 0.33 U | 0.38 UT | 0.34 UT |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | 0.033 U | 0.038 U | 0.034 U |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | 0.33 U | 0.52 | 0.063 J |
| Caprolactam | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| Carbazole | -- | -- | -- | MG/KG | 0.33 U | 0.11 J | 0.12 J |
| Chrysene | **1** | 3.9 | 1 | MG/KG | 0.33 U | 0.78 | **1.1** |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | 0.033 U | 0.19 | 0.18 |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | 0.33 U | 0.062 J | 0.034 J |
| Diethyl Phthalate | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | 0.33 U | 0.042 J | 0.04 J |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | 0.33 U | 0.039 J | 0.34 U |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | 0.33 U | 1.6 | 2.2 |
| Fluorene | **30** | 100 | 386 | MG/KG | 0.33 U | 0.096 J | 0.079 J |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.033 U | 0.038 U | 0.034 U |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | 0.067 U | 0.077 U | 0.07 U |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| Hexachloroethane | -- | -- | -- | MG/KG | 0.033 U | 0.038 U | 0.034 U |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | 0.033 U | **0.9** | **0.84** |
| Isophorone | -- | -- | -- | MG/KG | 0.13 U | 0.15 U | 0.14 U |
| Naphthalene | **12** | 100 | 12 | MG/KG | 0.33 U | 0.084 J | 0.022 J |
| Nitrobenzene | -- | -- | -- | MG/KG | 0.033 U | 0.038 U | 0.034 U |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | 0.033 U | 0.038 U | 0.034 U |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-15WC-C-3 | RXSB-16 | RXSB-16_WC-D-1 |
| | | | | Sample Date: | 12/12/2023 | 12/07/2023 | 12/07/2023 |
| | | | | Sample Depth (ft or in bls): | 8 - 10 ft | 0 - 2 in | 0 - 2 ft |
| | | | | Normal Sample or Field Duplicate: | N | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 0.27 U | 0.31 U | 0.28 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | 0.33 U | 1.1 | 1.1 |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.33 U | 0.38 U | 0.34 U |
| Pyrene | **100** | 100 | 1000 | MG/KG | 0.33 U | 1.5 | 1.9 |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-17 | RXSB-17 | RXSB-17_WC-D-4 |
| | | | | Sample Date: | 12/07/2023 | 12/07/2023 | 12/07/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 10 - 12 ft | 8 - 10 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | 0.38 U | 0.33 U | 0.37 U |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.038 U | 0.033 U | 0.037 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | 0.15 U | 0.13 U | 0.15 U |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | 0.15 U | 0.13 U | 0.15 U |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | 0.31 U | 0.27 U | 0.3 U |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | 0.077 U | 0.067 U | 0.075 U |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | 0.077 U | 0.067 U | 0.075 U |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| 2-Chlorophenol | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | 0.033 J | 0.33 U | 0.37 U |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| 2-Nitrophenol | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | 0.15 U | 0.13 U | 0.15 U |
| 3-Nitroaniline | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | 0.31 U | 0.27 U | 0.3 U |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| 4-Chloroaniline | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| 4-Nitroaniline | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| 4-Nitrophenol | -- | -- | -- | MG/KG | 0.77 U | 0.67 U | 0.75 U |
| Acenaphthene | **20** | 100 | 98 | MG/KG | 0.12 J | 0.33 U | 0.37 U |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 0.1 J | 0.33 U | 0.37 U |
| Acetophenone | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| Anthracene | 100 | 100 | 1000 | MG/KG | 0.48 | 0.33 U | 0.013 J |
| Atrazine | -- | -- | -- | MG/KG | 0.15 U | 0.13 U | 0.15 U |
| Benzaldehyde | -- | -- | -- | MG/KG | 0.38 UJ | 0.33 UJ | 0.37 UJ |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-17 | RXSB-17 | RXSB-17_WC-D-4 |
| | | | | Sample Date: | 12/07/2023 | 12/07/2023 | 12/07/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 10 - 12 ft | 8 - 10 ft |
| | | | | Normal Sample or Field Duplicate: | 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(A)Anthracene | **1** | 1 | 1 | MG/KG | **1.7** | 0.033 U | 0.037 U |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | **1.7** | 0.033 U | 0.037 U |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | **2.3** | 0.033 U | 0.037 U |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 0.76 | 0.33 U | 0.37 U |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | **0.99** | 0.033 U | 0.037 U |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | 0.038 JT | 0.33 U | 0.37 UT |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | 0.38 UT | 0.33 U | 0.37 UT |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | 0.038 U | 0.033 U | 0.037 U |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | 0.25 J | 0.33 U | 0.37 U |
| Caprolactam | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| Carbazole | -- | -- | -- | MG/KG | 0.18 J | 0.33 U | 0.37 U |
| Chrysene | **1** | 3.9 | 1 | MG/KG | **1.8** | 0.33 U | 0.018 J |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | 0.1 | 0.033 U | 0.037 U |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | 0.071 J | 0.33 U | 0.37 U |
| Diethyl Phthalate | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | 0.03 J | 0.33 U | 0.062 J |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | 0.15 J | 0.33 U | 0.37 U |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | 3.7 | 0.33 U | 0.031 J |
| Fluorene | **30** | 100 | 386 | MG/KG | 0.12 J | 0.33 U | 0.37 U |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.038 U | 0.033 U | 0.037 U |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | 0.077 U | 0.067 U | 0.075 U |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| Hexachloroethane | -- | -- | -- | MG/KG | 0.038 U | 0.033 U | 0.037 U |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | **0.92** | 0.033 U | 0.037 U |
| Isophorone | -- | -- | -- | MG/KG | 0.15 U | 0.13 U | 0.15 U |
| Naphthalene | **12** | 100 | 12 | MG/KG | 0.073 J | 0.33 U | 0.37 U |
| Nitrobenzene | -- | -- | -- | MG/KG | 0.038 U | 0.033 U | 0.037 U |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | 0.038 U | 0.033 U | 0.037 U |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-17 | RXSB-17 | RXSB-17_WC-D-4 |
| | | | | Sample Date: | 12/07/2023 | 12/07/2023 | 12/07/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 10 - 12 ft | 8 - 10 ft |
| | | | | Normal Sample or Field Duplicate: | N | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 0.31 U | 0.27 U | 0.3 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | 1.7 | 0.33 U | 0.031 J |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.38 U | 0.33 U | 0.37 U |
| Pyrene | **100** | 100 | 1000 | MG/KG | 3.2 | 0.33 U | 0.026 J |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-18 | RXSB-18 | RXSB-18 | RXSB-19 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/08/2023 | 12/12/2023 | 12/12/2023 | 12/06/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 6 - 8 ft | 8 - 10 ft | 0 - 2 in |
| | | | | Normal Sample or Field Duplicate: | 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 | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.037 U | 0.033 U | 0.033 U | 0.038 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | 0.15 U | 0.13 U | 0.13 U | 0.15 U |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | 0.15 U | 0.13 U | 0.13 U | 0.15 U |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | 0.3 U | 0.27 UT | 0.27 U | 0.3 U |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | 0.076 U | 0.068 U | 0.068 U | 0.076 U |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | 0.076 U | 0.068 U | 0.068 U | 0.076 U |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| 2-Chlorophenol | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | 0.051 J | 0.33 U | 0.33 U | 0.018 J |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| 2-Nitrophenol | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | 0.15 U | 0.13 U | 0.13 U | 0.15 U |
| 3-Nitroaniline | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | 0.3 U | 0.27 UT | 0.27 U | 0.3 U |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| 4-Chloroaniline | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| 4-Nitroaniline | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| 4-Nitrophenol | -- | -- | -- | MG/KG | 0.76 U | 0.68 U | 0.68 U | 0.76 U |
| Acenaphthene | **20** | 100 | 98 | MG/KG | 0.16 J | 0.33 U | 0.33 U | 0.079 J |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 0.058 J | 0.33 U | 0.33 U | 0.1 J |
| Acetophenone | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| Anthracene | 100 | 100 | 1000 | MG/KG | 0.52 | 0.33 U | 0.33 U | 0.32 J |
| Atrazine | -- | -- | -- | MG/KG | 0.15 U | 0.13 U | 0.13 UT | 0.15 UT |
| Benzaldehyde | -- | -- | -- | MG/KG | 0.37 U | 0.33 UJ | 0.33 UJ | 0.38 UJ |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-18 | RXSB-18 | RXSB-18 | RXSB-19 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/08/2023 | 12/12/2023 | 12/12/2023 | 12/06/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 6 - 8 ft | 8 - 10 ft | 0 - 2 in |
| | | | | Normal Sample or Field Duplicate: | 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(A)Anthracene | **1** | 1 | 1 | MG/KG | **1.2** | 0.033 U | 0.033 U | **1.8** |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | **1.3** | 0.033 U | 0.033 U | **2** |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | **1.5** | 0.0095 J | 0.033 U | **2.8** |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 0.66 | 0.33 U | 0.33 U | 0.96 |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | 0.51 | 0.033 U | 0.033 U | **1** |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | 0.37 U | 0.058 J | 0.33 U | 0.38 U |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | 0.017 J | 0.33 U | 0.33 U | 0.38 U |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | 0.037 U | 0.033 U | 0.033 U | 0.038 U |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | 0.09 J | 0.33 U | 0.33 U | 0.19 J |
| Caprolactam | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| Carbazole | -- | -- | -- | MG/KG | 0.21 J | 0.33 U | 0.33 U | 0.17 J |
| Chrysene | **1** | 3.9 | 1 | MG/KG | **1.2** | 0.33 U | 0.33 U | **1.9** |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | 0.17 | 0.033 U | 0.033 U | **0.34** |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | 0.13 J | 0.33 U | 0.33 U | 0.047 J |
| Diethyl Phthalate | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | 0.041 J | 0.33 U | 0.33 U | 0.037 J |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | 2.7 | 0.014 J | 0.33 U | 3.5 |
| Fluorene | **30** | 100 | 386 | MG/KG | 0.17 J | 0.33 U | 0.33 U | 0.069 J |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.037 U | 0.033 U | 0.033 U | 0.038 U |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | 0.076 U | 0.068 U | 0.068 U | 0.076 U |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| Hexachloroethane | -- | -- | -- | MG/KG | 0.037 U | 0.033 U | 0.033 U | 0.038 U |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | **0.85** | 0.033 U | 0.033 U | **1.3** |
| Isophorone | -- | -- | -- | MG/KG | 0.15 U | 0.13 U | 0.13 U | 0.15 U |
| Naphthalene | **12** | 100 | 12 | MG/KG | 0.11 J | 0.33 U | 0.33 U | 0.035 J |
| Nitrobenzene | -- | -- | -- | MG/KG | 0.037 U | 0.033 U | 0.033 U | 0.038 U |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | 0.037 U | 0.033 U | 0.033 U | 0.038 U |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-18 | RXSB-18 | RXSB-18 | RXSB-19 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/08/2023 | 12/12/2023 | 12/12/2023 | 12/06/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 6 - 8 ft | 8 - 10 ft | 0 - 2 in |
| | | | | Normal Sample or Field Duplicate: | 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 | | | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 0.3 U | 0.27 U | 0.27 U | 0.3 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | 2 | 0.33 U | 0.33 U | 1.5 |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.37 U | 0.33 U | 0.33 U | 0.38 U |
| Pyrene | **100** | 100 | 1000 | MG/KG | 2.2 | 0.013 J | 0.33 U | 2.6 |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-19 | RXSB-19 | RXSB-19_WC-B2-1 |
|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/06/2023 | 12/11/2023 | 12/11/2023 |
| | | | | Sample Depth (ft or in bls): | 4 - 6 ft | 10 - 12 ft | 6 - 8 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | 0.38 U | 0.35 U | 0.36 U |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.038 U | 0.035 U | 0.036 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | 0.15 U | 0.14 U | 0.15 U |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | 0.15 U | 0.14 U | 0.15 U |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | 0.31 U | 0.28 U | 0.29 U |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | 0.077 U | 0.07 U | 0.073 U |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | 0.077 U | 0.07 U | 0.073 U |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| 2-Chlorophenol | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | 0.033 J | 0.35 U | 0.36 U |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| 2-Nitrophenol | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | 0.15 U | 0.14 U | 0.15 U |
| 3-Nitroaniline | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | 0.31 U | 0.28 U | 0.29 U |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| 4-Chloroaniline | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | 0.079 J | 0.35 U | 0.36 U |
| 4-Nitroaniline | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| 4-Nitrophenol | -- | -- | -- | MG/KG | 0.77 U | 0.7 U | 0.73 U |
| Acenaphthene | **20** | 100 | 98 | MG/KG | 0.12 J | 0.011 J | 0.028 J |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 0.11 J | 0.012 J | 0.022 J |
| Acetophenone | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| Anthracene | 100 | 100 | 1000 | MG/KG | 0.56 | 0.042 J | 0.082 J |
| Atrazine | -- | -- | -- | MG/KG | 0.15 U | 0.14 U | 0.15 UT |
| Benzaldehyde | -- | -- | -- | MG/KG | 0.38 UJ | 0.35 UT | 0.36 UJ |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-19 | RXSB-19 | RXSB-19_WC-B2-1 |
| | | | | Sample Date: | 12/06/2023 | 12/11/2023 | 12/11/2023 |
| | | | | Sample Depth (ft or in bls): | 4 - 6 ft | 10 - 12 ft | 6 - 8 ft |
| | | | | Normal Sample or Field Duplicate: | 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(A)Anthracene | **1** | 1 | 1 | MG/KG | **2.6** | 0.14 | 0.32 |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | **2.7** | 0.14 | 0.33 |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | **3.2** | 0.15 | 0.4 |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 1.7 | 0.075 J | 0.2 J |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | **1.2** | 0.059 | 0.14 |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | 0.38 UT | 0.35 U | 0.36 U |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | 0.38 UT | 0.35 U | 0.36 U |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | 0.038 U | 0.035 U | 0.036 U |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| Caprolactam | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| Carbazole | -- | -- | -- | MG/KG | 0.35 J | 0.017 J | 0.043 J |
| Chrysene | **1** | 3.9 | 1 | MG/KG | **2.6** | 0.14 J | 0.34 J |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | 0.079 J | 0.35 U | 0.36 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | **0.37** | 0.035 U | 0.054 |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | 0.11 J | 0.35 U | 0.019 J |
| Diethyl Phthalate | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | 5.4 | 0.33 J | 0.68 |
| Fluorene | **30** | 100 | 386 | MG/KG | 0.17 J | 0.017 J | 0.029 J |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.038 U | 0.035 U | 0.036 U |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | 0.077 U | 0.07 U | 0.073 U |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| Hexachloroethane | -- | -- | -- | MG/KG | 0.038 U | 0.035 U | 0.036 U |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | **1.8** | 0.079 | 0.29 |
| Isophorone | -- | -- | -- | MG/KG | 0.15 U | 0.14 U | 0.15 U |
| Naphthalene | **12** | 100 | 12 | MG/KG | 0.094 J | 0.35 U | 0.011 J |
| Nitrobenzene | -- | -- | -- | MG/KG | 0.038 U | 0.035 U | 0.036 U |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | 0.038 U | 0.035 U | 0.036 U |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-19 | RXSB-19 | RXSB-19_WC-B2-1 |
| | | | | Sample Date: | 12/06/2023 | 12/11/2023 | 12/11/2023 |
| | | | | Sample Depth (ft or in bls): | 4 - 6 ft | 10 - 12 ft | 6 - 8 ft |
| | | | | Normal Sample or Field Duplicate: | N | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 0.31 U | 0.28 U | 0.29 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | 2.8 | 0.23 J | 0.44 |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.38 U | 0.35 U | 0.36 U |
| Pyrene | **100** | 100 | 1000 | MG/KG | 4.6 | 0.33 J | 0.6 |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-20 | RXSB-20 | RXSB-20_WC-A2-4 |
|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/12/2023 | 12/13/2023 | 12/13/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 4 - 6 ft | 6 - 8 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | 0.37 U | 0.34 U | 0.35 U |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.037 U | 0.034 UT | 0.035 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | 0.15 U | 0.14 U | 0.14 U |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | 0.15 U | 0.14 U | 0.14 U |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | 0.3 UT | 0.28 UT | 0.29 U |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | 0.075 U | 0.07 U | 0.072 U |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | 0.075 U | 0.07 U | 0.072 U |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| 2-Chlorophenol | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | 0.057 J | 0.054 J | 0.35 U |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| 2-Nitrophenol | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | 0.15 U | 0.14 UT | 0.14 U |
| 3-Nitroaniline | -- | -- | -- | MG/KG | 0.37 U | 0.34 UT | 0.35 U |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | 0.3 UT | 0.28 UT | 0.29 U |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| 4-Chloroaniline | -- | -- | -- | MG/KG | 0.37 U | 0.34 UT | 0.35 U |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | 0.024 J | 0.34 U | 0.35 U |
| 4-Nitroaniline | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| 4-Nitrophenol | -- | -- | -- | MG/KG | 0.75 U | 0.7 U | 0.72 U |
| Acenaphthene | **20** | 100 | 98 | MG/KG | 0.34 J | 0.18 J | 0.35 U |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 0.14 J | 0.092 J | 0.35 U |
| Acetophenone | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| Anthracene | 100 | 100 | 1000 | MG/KG | 1 | 0.51 | 0.35 U |
| Atrazine | -- | -- | -- | MG/KG | 0.15 U | 0.14 UT | 0.14 UT |
| Benzaldehyde | -- | -- | -- | MG/KG | 0.37 UJ | 0.34 UJ | 0.35 UJ |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-20 | RXSB-20 | RXSB-20_WC-A2-4 |
| | | | | Sample Date: | 12/12/2023 | 12/13/2023 | 12/13/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 4 - 6 ft | 6 - 8 ft |
| | | | | Normal Sample or Field Duplicate: | 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(A)Anthracene | **1** | 1 | 1 | MG/KG | **4.8** | **1.9** | 0.035 U |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | **4.7** | **1.8** | 0.035 U |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | **5.8** | **2.2** | 0.035 U |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 2 | 0.98 | 0.35 U |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | **2.1** | **0.83** | 0.035 U |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | 0.034 J | 0.34 U | 0.35 U |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | 0.017 J | 0.34 U | 0.35 U |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | 0.037 U | 0.034 U | 0.035 U |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | 0.37 U | 0.34 UJ | 0.35 U |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | 0.31 J | 0.044 J | 0.35 U |
| Caprolactam | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| Carbazole | -- | -- | -- | MG/KG | 0.33 J | 0.2 J | 0.35 U |
| Chrysene | **1** | 3.9 | 1 | MG/KG | **4.8** | **1.8** | 0.35 U |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | 0.024 J | 0.34 U | 0.35 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | **0.76** | 0.32 | 0.035 U |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | 0.14 J | 0.11 J | 0.35 U |
| Diethyl Phthalate | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | 7.5 | 3.4 | 0.35 U |
| Fluorene | **30** | 100 | 386 | MG/KG | 0.32 J | 0.2 J | 0.35 U |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.037 U | 0.034 U | 0.035 U |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | 0.075 U | 0.07 UT | 0.072 U |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| Hexachloroethane | -- | -- | -- | MG/KG | 0.037 U | 0.034 U | 0.035 U |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | **2.7** | **1.1** | 0.035 U |
| Isophorone | -- | -- | -- | MG/KG | 0.15 U | 0.14 U | 0.14 U |
| Naphthalene | **12** | 100 | 12 | MG/KG | 0.12 J | 0.078 J | 0.35 U |
| Nitrobenzene | -- | -- | -- | MG/KG | 0.037 U | 0.034 U | 0.035 U |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | 0.037 U | 0.034 U | 0.035 U |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-20 | RXSB-20 | RXSB-20_WC-A2-4 |
| | | | | Sample Date: | 12/12/2023 | 12/13/2023 | 12/13/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 4 - 6 ft | 6 - 8 ft |
| | | | | Normal Sample or Field Duplicate: | N | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | 0.37 U | 0.34 U | 0.35 U |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 0.3 U | 0.28 U | 0.29 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | 3.9 | 2.4 | 0.35 U |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.37 U | 0.34 UJ | 0.35 U |
| Pyrene | **100** | 100 | 1000 | MG/KG | 7.2 | 3.1 | 0.014 J |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-21 | RXSB-21 | RXSB-21 | RXSB-22 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/12/2023 | 12/13/2023 | 12/13/2023 | 12/12/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 4 - 6 ft | 6 - 8 ft | 0 - 2 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.038 U | 0.034 UT | 0.033 U | 0.033 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | 0.15 U | 0.14 U | 0.13 U | 0.13 U |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | 0.15 U | 0.14 U | 0.13 U | 0.13 U |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | 0.31 UT | 0.27 UT | 0.27 U | 0.27 UT |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | 0.077 U | 0.068 U | 0.068 U | 0.068 U |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | 0.077 U | 0.068 U | 0.068 U | 0.068 U |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| 2-Chlorophenol | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | 0.76 | 0.092 J | 0.33 U | 0.018 J |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.021 J | 0.34 U | 0.33 U | 0.33 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| 2-Nitrophenol | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | 0.15 U | 0.14 UT | 0.13 U | 0.13 U |
| 3-Nitroaniline | -- | -- | -- | MG/KG | 0.38 U | 0.34 UT | 0.33 U | 0.33 U |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | 0.31 UT | 0.27 UT | 0.27 U | 0.27 UT |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| 4-Chloroaniline | -- | -- | -- | MG/KG | 0.38 U | 0.34 UT | 0.33 U | 0.33 U |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | 0.071 J | 0.34 U | 0.33 U | 0.33 U |
| 4-Nitroaniline | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| 4-Nitrophenol | -- | -- | -- | MG/KG | 0.77 U | 0.68 U | 0.68 U | 0.68 U |
| Acenaphthene | **20** | 100 | 98 | MG/KG | 2.5 | 0.24 J | 0.33 U | 0.076 J |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 0.67 | 0.034 J | 0.33 U | 0.063 J |
| Acetophenone | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| Anthracene | 100 | 100 | 1000 | MG/KG | 7.4 | 0.6 | 0.019 J | 0.28 J |
| Atrazine | -- | -- | -- | MG/KG | 0.15 U | 0.14 UT | 0.13 UT | 0.13 U |
| Benzaldehyde | -- | -- | -- | MG/KG | 0.38 UJ | 0.34 UJ | 0.33 UJ | 0.33 UJ |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-21 | RXSB-21 | RXSB-21 | RXSB-22 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/12/2023 | 12/13/2023 | 12/13/2023 | 12/12/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 4 - 6 ft | 6 - 8 ft | 0 - 2 ft |
| | | | | Normal Sample or Field Duplicate: | 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(A)Anthracene | **1** | 1 | 1 | MG/KG | **26** | **1.7** | 0.06 | **1.1** |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | **24** | **1.8** | 0.056 | **1.1** |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | **27** | **2.1** | 0.069 | **1.4** |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 9.8 | 0.77 | 0.033 J | 0.48 |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | **8.4** | 0.72 | 0.025 J | 0.55 |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | 0.38 U | 0.051 J | 0.33 U | 0.019 J |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | 0.2 J | 0.021 J | 0.33 U | 0.33 U |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | 0.038 U | 0.034 U | 0.033 U | 0.033 U |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | 0.38 U | 0.34 UJ | 0.33 U | 0.33 U |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | 0.26 J | 1.4 | 0.33 U | 0.07 J |
| Caprolactam | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| Carbazole | -- | -- | -- | MG/KG | 2.1 | 0.23 J | 0.33 U | 0.11 J |
| Chrysene | **1** | 3.9 | 1 | MG/KG | **24** | **1.8** | 0.056 J | **1.2** |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | 0.071 J | 0.34 U | 0.33 U | 0.33 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | **3.8** | 0.26 | 0.033 U | 0.18 |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | 1.6 | 0.15 J | 0.33 U | 0.044 J |
| Diethyl Phthalate | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | 42 | 3 | 0.095 J | 2.1 |
| Fluorene | **30** | 100 | 386 | MG/KG | 2.9 | 0.26 J | 0.33 U | 0.083 J |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.038 U | 0.034 U | 0.033 U | 0.033 U |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | 0.077 U | 0.068 UT | 0.068 U | 0.068 U |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| Hexachloroethane | -- | -- | -- | MG/KG | 0.038 U | 0.034 U | 0.033 U | 0.033 U |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | **13** | **0.93** | 0.037 | **0.64** |
| Isophorone | -- | -- | -- | MG/KG | 0.15 U | 0.14 U | 0.13 U | 0.13 U |
| Naphthalene | **12** | 100 | 12 | MG/KG | 1.2 | 0.27 J | 0.012 J | 0.027 J |
| Nitrobenzene | -- | -- | -- | MG/KG | 0.038 U | 0.034 U | 0.033 U | 0.033 U |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | 0.038 U | 0.034 U | 0.033 U | 0.033 U |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-21 | RXSB-21 | RXSB-21 | RXSB-22 |
| | | | | Sample Date: | 12/12/2023 | 12/13/2023 | 12/13/2023 | 12/12/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 4 - 6 ft | 6 - 8 ft | 0 - 2 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | | | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | 0.38 U | 0.34 U | 0.33 U | 0.33 U |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 0.31 U | 0.27 U | 0.27 U | 0.27 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | 30 | 2.6 | 0.088 J | 1.2 |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.38 U | 0.34 UJ | 0.33 U | 0.33 U |
| Pyrene | **100** | 100 | 1000 | MG/KG | 39 | 2.6 | 0.1 J | 1.9 |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-22 | RXSB-23 | RXSB-23 | RXSB-23 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/12/2023 | 01/10/2024 | 01/10/2024 | 01/11/2024 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 0 - 2 ft | 2 - 4 ft | 4 - 6 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | 0.35 U | 0.38 U | 1.8 U | 2 U |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.035 U | 0.038 U | 0.18 U | 0.2 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | 0.14 U | 0.15 U | 0.71 U | 0.83 U |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | 0.14 U | 0.15 U | 0.71 U | 0.83 U |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | 0.29 UT | 0.31 U | 1.4 U | 1.7 U |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | 0.072 U | 0.078 U | 0.36 U | 0.42 U |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | 0.072 U | 0.078 U | 0.36 U | 0.42 U |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| 2-Chlorophenol | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | 0.015 J | 0.81 | 0.42 J | 1.7 J |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.35 U | 0.031 J | 1.8 U | 2 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| 2-Nitrophenol | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | 0.14 U | 0.15 U | 0.71 U | 0.83 U |
| 3-Nitroaniline | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | 0.29 UT | 0.31 U | 1.4 U | 1.7 U |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| 4-Chloroaniline | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | 0.35 U | 0.075 J | 1.8 U | 2 U |
| 4-Nitroaniline | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| 4-Nitrophenol | -- | -- | -- | MG/KG | 0.72 U | 0.78 U | 3.6 U | 4.2 U |
| Acenaphthene | **20** | 100 | 98 | MG/KG | 0.071 J | 2.2 | 1.5 J | 5.1 |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 0.028 J | 0.51 | 0.36 J | 1 J |
| Acetophenone | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| Anthracene | 100 | 100 | 1000 | MG/KG | 0.19 J | 5.4 | 4.7 | 16 |
| Atrazine | -- | -- | -- | MG/KG | 0.14 U | 0.15 U | 0.71 U | 0.83 UT |
| Benzaldehyde | -- | -- | -- | MG/KG | 0.35 UJ | 0.38 UJ | 1.8 UJ | 2 UJ |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-22 | RXSB-23 | RXSB-23 | RXSB-23 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/12/2023 | 01/10/2024 | 01/10/2024 | 01/11/2024 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 0 - 2 ft | 2 - 4 ft | 4 - 6 ft |
| | | | | Normal Sample or Field Duplicate: | 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(A)Anthracene | **1** | 1 | 1 | MG/KG | 0.71 | **12** | **15** | **52** |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | 0.71 | **13** | **14** | **48** |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | 0.93 | **15** | **17** | **62** |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 0.34 J | 3.6 | 6.2 | 18 |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | 0.36 | **6.5** | **6.1** | **19** |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | 0.35 U | 0.041 J | 1.8 U | 2 U |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | 0.35 U | 0.17 J | 0.1 J | 0.34 J |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | 0.035 U | 0.038 U | 0.18 U | 0.2 U |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | 0.046 J | 0.2 J | 1.8 U | 2 U |
| Caprolactam | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| Carbazole | -- | -- | -- | MG/KG | 0.089 J | 1.9 | 1.2 J | 5.4 |
| Chrysene | **1** | 3.9 | 1 | MG/KG | 0.72 | **12** | **15** | **47** |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | 0.35 U | 0.075 J | 1.8 U | 2 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | 0.12 | **1.2** | **2.1** | **6.4** |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | 0.04 J | 1.5 | 0.93 J | 3.7 |
| Diethyl Phthalate | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | 0.35 U | 0.043 J | 1.8 U | 2 U |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | 1.4 | 24 | 25 | 92 |
| Fluorene | **30** | 100 | 386 | MG/KG | 0.063 J | 2.5 | 1.7 J | 6.7 |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.035 U | 0.038 U | 0.18 U | 0.2 U |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | 0.072 U | 0.078 U | 0.36 U | 0.42 U |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| Hexachloroethane | -- | -- | -- | MG/KG | 0.035 U | 0.038 U | 0.18 U | 0.2 U |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | 0.41 | **4.7** | **8.2** | **25** |
| Isophorone | -- | -- | -- | MG/KG | 0.14 U | 0.15 U | 0.71 U | 0.83 U |
| Naphthalene | **12** | 100 | 12 | MG/KG | 0.022 J | 1.5 | 0.85 J | 3.4 |
| Nitrobenzene | -- | -- | -- | MG/KG | 0.035 U | 0.038 U | 0.18 U | 0.2 U |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | 0.035 U | 0.038 U | 0.18 U | 0.2 U |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-22 | RXSB-23 | RXSB-23 | RXSB-23 |
| | | | | Sample Date: | 12/12/2023 | 01/10/2024 | 01/10/2024 | 01/11/2024 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 0 - 2 ft | 2 - 4 ft | 4 - 6 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | | | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | 0.35 U | 0.38 U | 1.8 U | 2 U |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 0.29 U | 0.31 U | 1.4 U | 1.7 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | 0.84 | 21 | 18 | 62 |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.35 U | 0.053 J | 1.8 U | 2 U |
| Pyrene | **100** | 100 | 1000 | MG/KG | 1.2 | 22 | 25 | 81 |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-23 | RXSB-23 | RXSB-24 | RXSB-24 |
| | | | | Sample Date: | 01/11/2024 | 01/11/2024 | 01/10/2024 | 01/10/2024 |
| | | | | Sample Depth (ft or in bls): | 6 - 8 ft | 8 - 10 ft | 0 - 2 ft | 0 - 2 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.18 U | 0.04 U | 0.041 U | 0.042 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | 0.72 U | 0.16 U | 0.16 U | 0.17 U |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | 0.72 U | 0.16 U | 0.16 U | 0.17 U |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | 0.63 J | 0.4 U | 0.2 J | 0.42 U |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | 1.4 U | 0.32 U | 0.33 U | 0.34 U |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | 0.36 U | 0.082 U | 0.083 U | 0.085 U |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | 0.36 U | 0.082 U | 0.083 U | 0.085 U |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| 2-Chlorophenol | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | 21 | 0.4 U | 1.8 | 0.11 J |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.28 J | 0.4 U | 0.12 J | 0.42 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| 2-Nitrophenol | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | 0.72 U | 0.16 U | 0.16 U | 0.17 U |
| 3-Nitroaniline | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | 1.4 U | 0.32 U | 0.33 U | 0.34 U |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| 4-Chloroaniline | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | **0.7 J** | 0.4 U | 0.32 J | 0.42 U |
| 4-Nitroaniline | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| 4-Nitrophenol | -- | -- | -- | MG/KG | 3.6 U | 0.82 U | 0.83 U | 0.85 U |
| Acenaphthene | **20** | 100 | 98 | MG/KG | **30** | 0.4 U | 4.5 J | 0.47 J |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 1.8 | 0.4 U | 0.8 J | 0.16 J |
| Acetophenone | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| Anthracene | 100 | 100 | 1000 | MG/KG | 85 | 0.4 U | 9.4 J | 1.4 J |
| Atrazine | -- | -- | -- | MG/KG | 0.72 UT | 0.16 U | 0.16 U | 0.17 U |
| Benzaldehyde | -- | -- | -- | MG/KG | 1.8 UJ | 0.4 UJ | 0.41 UJ | 0.42 UJ |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-23 | RXSB-23 | RXSB-24 | RXSB-24 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 01/11/2024 | 01/11/2024 | 01/10/2024 | 01/10/2024 |
| | | | | Sample Depth (ft or in bls): | 6 - 8 ft | 8 - 10 ft | 0 - 2 ft | 0 - 2 ft |
| | | | | Normal Sample or Field Duplicate: | 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(A)Anthracene | **1** | 1 | 1 | MG/KG | **130** | 0.04 U | **29 J** | **4.3 J** |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | **140** | 0.04 U | **28 J** | **4.9 J** |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | **130** | 0.04 U | **36 J** | **6.4 J** |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 32 | 0.4 U | 7 J | 2.2 J |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | **30** | 0.04 U | **13 J** | **2.2 J** |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.069 J |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | 3.9 | 0.4 U | 0.47 | 0.034 J |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | 0.18 U | 0.04 U | 0.041 U | 0.042 U |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 4.3 |
| Caprolactam | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| Carbazole | -- | -- | -- | MG/KG | 22 | 0.4 U | 6.4 J | 0.79 J |
| Chrysene | **1** | 3.9 | 1 | MG/KG | **120** | 0.4 U | **29 J** | **4.6 J** |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | **0.7 J** | 0.4 U | 0.32 J | 0.42 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | **8.3** | 0.04 U | **2.1 J** | **0.62 J** |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | **26** | 0.4 U | 3.9 J | 0.31 J |
| Diethyl Phthalate | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.89 | 0.45 |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.054 J |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | **260** | 0.4 U | 68 J | 9.7 J |
| Fluorene | **30** | 100 | 386 | MG/KG | **51** | 0.4 U | 4.5 J | 0.45 J |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.18 U | 0.04 U | 0.041 U | 0.042 U |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | 0.36 U | 0.082 U | 0.083 U | 0.085 U |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.41 U | 0.42 U |
| Hexachloroethane | -- | -- | -- | MG/KG | 0.18 U | 0.04 U | 0.041 U | 0.042 U |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | **38** | 0.04 U | **7.7 J** | **2.9 J** |
| Isophorone | -- | -- | -- | MG/KG | 0.72 U | 0.16 U | 0.16 U | 0.17 U |
| Naphthalene | **12** | 100 | 12 | MG/KG | **54** | 0.4 U | 4.7 J | 0.2 J |
| Nitrobenzene | -- | -- | -- | MG/KG | 0.18 U | 0.04 U | 0.041 U | 0.042 U |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | 0.18 U | 0.04 U | 0.041 U | 0.042 U |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-23 | RXSB-23 | RXSB-24 | RXSB-24 |
| | | | | Sample Date: | 01/11/2024 | 01/11/2024 | 01/10/2024 | 01/10/2024 |
| | | | | Sample Depth (ft or in bls): | 6 - 8 ft | 8 - 10 ft | 0 - 2 ft | 0 - 2 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | | | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | 1.8 U | 0.4 U | 0.15 J | 0.42 U |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 1.4 U | 0.32 U | 0.33 U | 0.34 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | **290** | 0.4 U | 69 J | 6.3 J |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.23 J | 0.4 U | 0.23 J | 0.42 U |
| Pyrene | **100** | 100 | 1000 | MG/KG | **210** | 0.4 U | 59 J | 7.3 J |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-24 | RXSB-24 | RXSB-25 | RXSB-25 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 01/10/2024 | 01/11/2024 | 01/11/2024 | 01/11/2024 |
| | | | | Sample Depth (ft or in bls): | 2 - 4 ft | 4 - 6 ft | 0 - 2 ft | 2 - 4 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.041 U | 0.039 U | 0.037 U | 0.038 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | 0.41 U | 0.39 UJ | 0.37 U | 0.38 U |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | 0.17 U | 0.16 U | 0.15 U | 0.15 U |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | 0.17 U | 0.16 U | 0.15 U | 0.15 U |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | 0.33 U | 0.31 R | 0.3 U | 0.3 U |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | 0.084 U | 0.079 U | 0.075 U | 0.076 U |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | 0.084 U | 0.079 U | 0.075 U | 0.076 U |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| 2-Chlorophenol | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | 0.028 J | 0.39 U | 0.37 U | 0.037 J |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| 2-Nitrophenol | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | 0.17 U | 0.16 U | 0.15 U | 0.15 U |
| 3-Nitroaniline | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | 0.33 U | 0.31 UJ | 0.3 U | 0.3 U |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| 4-Chloroaniline | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| 4-Nitroaniline | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| 4-Nitrophenol | -- | -- | -- | MG/KG | 0.84 U | 0.79 U | 0.75 U | 0.76 U |
| Acenaphthene | **20** | 100 | 98 | MG/KG | 0.086 J | 0.39 U | 0.37 U | 0.15 J |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 0.045 J | 0.39 U | 0.047 J | 0.025 J |
| Acetophenone | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| Anthracene | 100 | 100 | 1000 | MG/KG | 0.25 J | 0.39 U | 0.065 J | 0.3 J |
| Atrazine | -- | -- | -- | MG/KG | 0.17 U | 0.16 UT | 0.15 UT | 0.15 UT |
| Benzaldehyde | -- | -- | -- | MG/KG | 0.41 UJ | 0.39 UJ | 0.37 UJ | 0.38 UJ |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-24 | RXSB-24 | RXSB-25 | RXSB-25 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 01/10/2024 | 01/11/2024 | 01/11/2024 | 01/11/2024 |
| | | | | Sample Depth (ft or in bls): | 2 - 4 ft | 4 - 6 ft | 0 - 2 ft | 2 - 4 ft |
| | | | | Normal Sample or Field Duplicate: | 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(A)Anthracene | **1** | 1 | 1 | MG/KG | 0.88 | 0.039 U | 0.51 | 0.8 |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | 0.95 | 0.039 U | 0.58 | 0.76 |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | **1.2** | 0.012 J | 0.64 | 0.9 |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 0.56 | 0.39 U | 0.32 J | 0.5 |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | 0.44 | 0.039 U | 0.27 | 0.31 |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.3 J | 0.13 J |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | 0.041 U | 0.039 U | 0.037 U | 0.038 U |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | 0.03 J | 0.39 U | 0.47 | 0.29 J |
| Caprolactam | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| Carbazole | -- | -- | -- | MG/KG | 0.13 J | 0.39 U | 0.015 J | 0.11 J |
| Chrysene | **1** | 3.9 | 1 | MG/KG | 0.94 | 0.39 U | 0.45 | 0.78 |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | 0.15 | 0.039 U | 0.085 | 0.12 |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | 0.053 J | 0.39 U | 0.37 U | 0.078 J |
| Diethyl Phthalate | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | 0.049 J | 0.026 J | 0.038 J | 0.046 J |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.023 J | 0.38 U |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | 1.9 | 0.39 U | 0.88 | 1.5 |
| Fluorene | **30** | 100 | 386 | MG/KG | 0.08 J | 0.39 U | 0.37 U | 0.12 J |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.041 U | 0.039 U | 0.037 U | 0.038 U |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | 0.084 U | 0.079 U | 0.075 U | 0.076 U |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | 0.41 U | 0.39 UJ | 0.37 U | 0.38 U |
| Hexachloroethane | -- | -- | -- | MG/KG | 0.041 U | 0.039 U | 0.037 U | 0.038 U |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | **0.75** | 0.039 U | 0.46 | **0.56** |
| Isophorone | -- | -- | -- | MG/KG | 0.17 U | 0.16 U | 0.15 U | 0.15 U |
| Naphthalene | **12** | 100 | 12 | MG/KG | 0.057 J | 0.39 U | 0.37 U | 0.06 J |
| Nitrobenzene | -- | -- | -- | MG/KG | 0.041 U | 0.039 U | 0.037 U | 0.038 U |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | 0.041 U | 0.039 U | 0.037 U | 0.038 U |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-24 | RXSB-24 | RXSB-25 | RXSB-25 |
| | | | | Sample Date: | 01/10/2024 | 01/11/2024 | 01/11/2024 | 01/11/2024 |
| | | | | Sample Depth (ft or in bls): | 2 - 4 ft | 4 - 6 ft | 0 - 2 ft | 2 - 4 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | | | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 0.33 U | 0.31 UJ | 0.3 U | 0.3 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | 1.1 | 0.39 U | 0.14 J | 1.4 |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.41 U | 0.39 U | 0.37 U | 0.38 U |
| Pyrene | **100** | 100 | 1000 | MG/KG | 1.5 | 0.015 J | 0.78 | 1.8 |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-25 | RXSB-25 |
| | | | | Sample Date: | 01/11/2024 | 01/11/2024 |
| | | | | Sample Depth (ft or in bls): | 4 - 6 ft | 6 - 8 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | 0.4 U | 0.4 U |
| 1,4-Dioxane (P-Dioxane) | 0.1 | 13 | 0.1 | MG/KG | 0.04 U | 0.04 U |
| 2,3,4,6-Tetrachlorophenol | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| 2,4,5-Trichlorophenol | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| 2,4,6-Trichlorophenol | -- | -- | -- | MG/KG | 0.16 U | 0.16 U |
| 2,4-Dichlorophenol | -- | -- | -- | MG/KG | 0.16 U | 0.16 U |
| 2,4-Dimethylphenol | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| 2,4-Dinitrophenol | -- | -- | -- | MG/KG | 0.32 U | 0.32 U |
| 2,4-Dinitrotoluene | -- | -- | -- | MG/KG | 0.08 U | 0.08 U |
| 2,6-Dinitrotoluene | -- | -- | -- | MG/KG | 0.08 U | 0.08 U |
| 2-Chloronaphthalene | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| 2-Chlorophenol | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| 2-Methylnaphthalene | -- | -- | -- | MG/KG | 0.046 J | 0.4 U |
| 2-Methylphenol (O-Cresol) | 0.33 | 100 | 0.33 | MG/KG | 0.4 U | 0.4 U |
| 2-Nitroaniline | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| 2-Nitrophenol | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| 3,3'-Dichlorobenzidine | -- | -- | -- | MG/KG | 0.16 U | 0.16 U |
| 3-Nitroaniline | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| 4,6-Dinitro-2-Methylphenol | -- | -- | -- | MG/KG | 0.32 U | 0.32 U |
| 4-Bromophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| 4-Chloro-3-Methylphenol | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| 4-Chloroaniline | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| 4-Chlorophenyl Phenyl Ether | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| 4-Methylphenol (P-Cresol) | **0.33** | 100 | 0.33 | MG/KG | 0.4 U | 0.4 U |
| 4-Nitroaniline | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| 4-Nitrophenol | -- | -- | -- | MG/KG | 0.8 U | 0.8 U |
| Acenaphthene | **20** | 100 | 98 | MG/KG | 0.08 J | 0.4 U |
| Acenaphthylene | 100 | 100 | 107 | MG/KG | 0.043 J | 0.4 U |
| Acetophenone | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| Anthracene | 100 | 100 | 1000 | MG/KG | 0.33 J | 0.4 U |
| Atrazine | -- | -- | -- | MG/KG | 0.16 UT | 0.16 UT |
| Benzaldehyde | -- | -- | -- | MG/KG | 0.4 UJ | 0.4 UJ |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-25 | RXSB-25 |
| | | | | Sample Date: | 01/11/2024 | 01/11/2024 |
| | | | | Sample Depth (ft or in bls): | 4 - 6 ft | 6 - 8 ft |
| | | | | Normal Sample or Field Duplicate: | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | |
| Benzo(A)Anthracene | **1** | 1 | 1 | MG/KG | 0.98 | 0.04 U |
| Benzo(A)Pyrene | **1** | 1 | 22 | MG/KG | **1.1** | 0.04 U |
| Benzo(B)Fluoranthene | **1** | 1 | 1.7 | MG/KG | **1.4** | 0.04 U |
| Benzo(G,H,I)Perylene | 100 | 100 | 1000 | MG/KG | 0.66 | 0.4 U |
| Benzo(K)Fluoranthene | **0.8** | 3.9 | 1.7 | MG/KG | 0.46 | 0.04 U |
| Benzyl Butyl Phthalate | -- | -- | -- | MG/KG | 2.4 | 0.4 U |
| Biphenyl (Diphenyl) | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| Bis(2-Chloroethoxy) Methane | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | -- | -- | -- | MG/KG | 0.04 U | 0.04 U |
| Bis(2-Chloroisopropyl) Ether | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| Bis(2-Ethylhexyl) Phthalate | -- | -- | -- | MG/KG | 0.39 J | 0.4 U |
| Caprolactam | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| Carbazole | -- | -- | -- | MG/KG | 0.22 J | 0.4 U |
| Chrysene | **1** | 3.9 | 1 | MG/KG | 1 | 0.4 U |
| Cresols, M & P | **0.33** | 100 | 0.33 | MG/KG | 0.4 U | 0.4 U |
| Dibenz(A,H)Anthracene | **0.33** | 0.33 | 1000 | MG/KG | 0.17 | 0.04 U |
| Dibenzofuran | **7** | 59 | 210 | MG/KG | 0.059 J | 0.4 U |
| Diethyl Phthalate | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| Dimethyl Phthalate | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| Di-N-Butyl Phthalate | -- | -- | -- | MG/KG | 0.088 J | 0.4 U |
| Di-N-Octylphthalate | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| Fluoranthene | **100** | 100 | 1000 | MG/KG | 1.9 | 0.4 U |
| Fluorene | **30** | 100 | 386 | MG/KG | 0.095 J | 0.4 U |
| Hexachlorobenzene | 0.33 | 1.2 | 3.2 | MG/KG | 0.04 U | 0.04 U |
| Hexachlorobutadiene | -- | -- | -- | MG/KG | 0.08 U | 0.08 U |
| Hexachlorocyclopentadiene | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| Hexachloroethane | -- | -- | -- | MG/KG | 0.04 U | 0.04 U |
| Indeno(1,2,3-C,D)Pyrene | **0.5** | 0.5 | 8.2 | MG/KG | **0.78** | 0.04 U |
| Isophorone | -- | -- | -- | MG/KG | 0.16 U | 0.16 U |
| Naphthalene | **12** | 100 | 12 | MG/KG | 0.075 J | 0.4 U |
| Nitrobenzene | -- | -- | -- | MG/KG | 0.04 U | 0.04 U |
| N-Nitrosodi-N-Propylamine | -- | -- | -- | MG/KG | 0.04 U | 0.04 U |

**Table 2. Summary of Semivolatile Organic Compounds in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-25 | RXSB-25 |
| | | | | Sample Date: | 01/11/2024 | 01/11/2024 |
| | | | | Sample Depth (ft or in bls): | 4 - 6 ft | 6 - 8 ft |
| | | | | Normal Sample or Field Duplicate: | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | |
| N-Nitrosodiphenylamine | -- | -- | -- | MG/KG | 0.4 U | 0.4 U |
| Pentachlorophenol | 0.8 | 6.7 | 0.8 | MG/KG | 0.32 U | 0.32 U |
| Phenanthrene | **100** | 100 | 1000 | MG/KG | 1.4 | 0.4 U |
| Phenol | 0.33 | 100 | 0.33 | MG/KG | 0.4 U | 0.4 U |
| Pyrene | **100** | 100 | 1000 | MG/KG | 2.1 | 0.4 U |

**Table 3. Summary of Metals in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | Sample Designation: | | RXSB-1 | RXSB-1 | RXSB-2 | RXSB-2 | RXSB-3 |
|---|---|---|---|---|---|---|---|---|---|
| | | | Sample Date: | | 11/18/2022 | 11/18/2022 | 11/18/2022 | 11/23/2022 | 11/18/2022 |
| | | | Sample Depth (ft or in bls): | | 0 - 2 | 2 - 4 | 2 - 4 | 4 - 6 | 0 - 2 |
| | | | 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 | NA | NA | NA | NA | NA |
| Antimony | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Arsenic | **13** | 16 | 16 | MG/KG | 5.3 | 5.5 | 7.1 | 7.1 | **13.4** |
| Barium | **350** | 400 | 820 | MG/KG | **457** | **468** | **517** | **569** | **558** |
| Beryllium | 7.2 | 72 | 47 | MG/KG | 0.36 J | 0.31 J | 0.33 J | 0.32 J | 0.31 J |
| Cadmium | **2.5** | 4.3 | 7.5 | MG/KG | 0.48 J | 0.49 J | 1.2 | 0.59 J | 2.5 |
| Calcium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Chromium III | **30** | 180 | -- | MG/KG | NA | NA | NA | NA | NA |
| Chromium, Hexavalent | 1 | 110 | 19 | MG/KG | NA | NA | NA | NA | NA |
| Chromium, Total | **30** | 180 | -- | MG/KG | 12.5 | 12 | 16.1 | 15.5 | 23.3 |
| Cobalt | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Copper | **50** | 270 | 1720 | MG/KG | 30.3 | 25.3 | 28.6 | 22 | **56.2** |
| Cyanide | 27 | 27 | 40 | MG/KG | NA | NA | NA | NA | NA |
| Iron | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Lead | **63** | 400 | 450 | MG/KG | **243** | **259** | **412** | **297** | **877** |
| Magnesium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Manganese | 1600 | 2000 | 2000 | MG/KG | 354 | 332 | 315 | 302 | 415 |
| Mercury | **0.18** | 0.81 | 0.73 | MG/KG | 0.13 | **0.2** | 0.15 | **0.21** | **0.21** |
| Nickel | **30** | 310 | 130 | MG/KG | 8.8 | 8.4 | 12.4 | 11 | **43.5** |
| Potassium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Selenium | 3.9 | 180 | 4 | MG/KG | 0.27 J | 0.28 J | 0.42 J | 0.33 J | 1.1 J |
| Silver | **2** | 180 | 8.3 | MG/KG | 0.25 J | 0.26 J | 0.13 J | 0.45 U | 0.22 J |
| Sodium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Thallium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Vanadium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Zinc | **109** | 10000 | 2480 | MG/KG | **277** | **233** | **352** | **399** | **1290** |

**Table 3. Summary of Metals in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-3 | RXSB-4 | RXSB-4 | RXSB-5 | RXSB-5 |
| | | | | Sample Date: | 11/18/2022 | 11/23/2022 | 11/23/2022 | 11/23/2022 | 11/23/2022 |
| | | | | Sample Depth (ft or in bls): | 2 - 4 | 0 - 2 | 2 - 4 | 0 - 2 | 2 - 4 |
| | | | | 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 | NA | NA | NA | NA | NA |
| Antimony | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Arsenic | **13** | 16 | 16 | MG/KG | 5.3 | 4.5 | 5.1 | 5.6 | 5.1 |
| Barium | **350** | 400 | 820 | MG/KG | **535** | 156 | **596** | **843** | **443** |
| Beryllium | 7.2 | 72 | 47 | MG/KG | 0.28 J | 0.37 J | 0.3 J | 0.33 J | 0.37 J |
| Cadmium | **2.5** | 4.3 | 7.5 | MG/KG | 1.1 J | 0.48 J | 0.52 J | 1.5 | 0.8 J |
| Calcium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Chromium III | **30** | 180 | -- | MG/KG | NA | NA | NA | NA | NA |
| Chromium, Hexavalent | 1 | 110 | 19 | MG/KG | NA | NA | NA | NA | NA |
| Chromium, Total | **30** | 180 | -- | MG/KG | 14 | 18.3 | 11.9 | 15.5 | 22.5 |
| Cobalt | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Copper | **50** | 270 | 1720 | MG/KG | 24.4 | 45.9 | 16.8 | 32.2 | **76.3** |
| Cyanide | 27 | 27 | 40 | MG/KG | NA | NA | NA | NA | NA |
| Iron | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Lead | **63** | 400 | 450 | MG/KG | **350** | **129** | **304** | **340** | **403** |
| Magnesium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Manganese | 1600 | 2000 | 2000 | MG/KG | 242 | 237 | 254 | 377 | 306 |
| Mercury | **0.18** | 0.81 | 0.73 | MG/KG | 0.15 | **0.3** | **0.19** | **0.27** | 0.15 |
| Nickel | **30** | 310 | 130 | MG/KG | 11.8 | 19.2 | 7.6 | 12.5 | 12.7 |
| Potassium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Selenium | 3.9 | 180 | 4 | MG/KG | 0.41 J | 0.22 J | 0.26 J | 0.36 J | 0.36 J |
| Silver | **2** | 180 | 8.3 | MG/KG | 0.13 J | 0.43 U | 0.44 U | 0.35 J | 0.11 J |
| Sodium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Thallium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Vanadium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Zinc | **109** | 10000 | 2480 | MG/KG | **570** | **254** | **330** | **395** | **302** |

**Table 3. Summary of Metals in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | Sample Designation: | | RXSB-6 | RXSB-6 | RXSB-7 | RXSB-7 | RXSB-8 |
|---|---|---|---|---|---|---|---|---|---|
| | | | Sample Date: | | 11/18/2022 | 11/18/2022 | 11/18/2022 | 11/22/2022 | 11/17/2022 |
| | | | Sample Depth (ft or in bls): | | 0 - 2 | 2 - 4 | 2 - 4 | 12 - 14 | 4 - 6 |
| | | | 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 | NA | NA | NA | NA | NA |
| Antimony | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Arsenic | **13** | 16 | 16 | MG/KG | 9.2 | 8.6 | 3.7 | 1.5 | 11.1 |
| Barium | **350** | 400 | 820 | MG/KG | **740** | **519** | 105 | 28.6 | **746** |
| Beryllium | 7.2 | 72 | 47 | MG/KG | 0.41 J | 0.42 J | 0.33 J | 0.34 J | 0.13 J |
| Cadmium | **2.5** | 4.3 | 7.5 | MG/KG | 1.3 | 0.96 J | 0.35 J | 1 U | **24** |
| Calcium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Chromium III | **30** | 180 | -- | MG/KG | NA | NA | NA | NA | NA |
| Chromium, Hexavalent | 1 | 110 | 19 | MG/KG | NA | NA | NA | NA | NA |
| Chromium, Total | **30** | 180 | -- | MG/KG | **39.4** | 21.6 | 16.6 | 11.4 | **45** |
| Cobalt | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Copper | **50** | 270 | 1720 | MG/KG | **112** | **82.1** | 17.9 | 9.9 | **70** |
| Cyanide | 27 | 27 | 40 | MG/KG | NA | NA | NA | NA | NA |
| Iron | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Lead | **63** | 400 | 450 | MG/KG | **519** | **407** | **87.6** | 3.1 | **855** |
| Magnesium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Manganese | 1600 | 2000 | 2000 | MG/KG | 344 | 341 | 240 | 246 | 433 |
| Mercury | **0.18** | 0.81 | 0.73 | MG/KG | **0.5** | **0.82** | 0.094 | 0.016 U | **0.32** |
| Nickel | **30** | 310 | 130 | MG/KG | 14.8 | 15.6 | 13.4 | 7.9 | **48.1** |
| Potassium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Selenium | 3.9 | 180 | 4 | MG/KG | 0.78 J | 0.66 J | 0.23 J | 1.3 U | 0.48 J |
| Silver | **2** | 180 | 8.3 | MG/KG | 0.54 | 0.48 | 0.45 U | 0.42 U | 0.27 J |
| Sodium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Thallium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Vanadium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Zinc | **109** | 10000 | 2480 | MG/KG | **707** | **457** | **162** | 16 | **7890** |

**Table 3. Summary of Metals in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | Sample Designation: | | RXSB-8 | RXSB-9 | RXSB-9 | RXSB-9 | RXSB-10 |
|---|---|---|---|---|---|---|---|---|---|
| | | | Sample Date: | | 11/17/2022 | 11/22/2022 | 11/22/2022 | 11/22/2022 | 11/22/2022 |
| | | | Sample Depth (ft or in bls): | | 12 - 14 | 0 - 2 | 6 - 8 | 12 - 14 | 6 - 8 |
| | | | 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 | NA | NA | NA | NA | NA |
| Antimony | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Arsenic | **13** | 16 | 16 | MG/KG | 2.1 | 4.9 | 6.7 | 2 | 3.6 |
| Barium | **350** | 400 | 820 | MG/KG | 35.6 | 156 | 172 | 57 | 327 |
| Beryllium | 7.2 | 72 | 47 | MG/KG | 0.41 J | 0.5 | 0.38 J | 0.36 J | 0.32 J |
| Cadmium | **2.5** | 4.3 | 7.5 | MG/KG | 1 U | 0.54 J | 0.44 J | 0.12 J | 0.49 J |
| Calcium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Chromium III | **30** | 180 | -- | MG/KG | NA | NA | NA | NA | NA |
| Chromium, Hexavalent | 1 | 110 | 19 | MG/KG | NA | NA | NA | NA | NA |
| Chromium, Total | **30** | 180 | -- | MG/KG | 14.3 | 14.5 | 12.1 | 11 | 10.9 |
| Cobalt | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Copper | **50** | 270 | 1720 | MG/KG | 12.6 | 30.6 | **57.8** | 16 | **66.5** |
| Cyanide | 27 | 27 | 40 | MG/KG | NA | NA | NA | NA | NA |
| Iron | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Lead | **63** | 400 | 450 | MG/KG | 4 | **218** | **219** | 4.9 | **597** |
| Magnesium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Manganese | 1600 | 2000 | 2000 | MG/KG | 639 | 413 | 217 | 205 | 270 |
| Mercury | **0.18** | 0.81 | 0.73 | MG/KG | 0.0081 J | **0.22** | 0.059 | 0.017 U | **0.19** |
| Nickel | **30** | 310 | 130 | MG/KG | 14.3 | 11.9 | 10 | 9.7 | 8.6 |
| Potassium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Selenium | 3.9 | 180 | 4 | MG/KG | 1.3 U | 0.35 J | 0.48 J | 0.14 J | 0.27 J |
| Silver | **2** | 180 | 8.3 | MG/KG | 0.42 U | 0.18 J | 0.47 U | 0.41 U | 0.2 J |
| Sodium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Thallium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Vanadium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Zinc | **109** | 10000 | 2480 | MG/KG | 22.2 | **172** | **249** | 31.4 | **172** |

**Table 3. Summary of Metals in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | Sample Designation: | | RXSB-10 | RXSB-11 | RXSB-11 | RXSB-12 | RXSB-12 |
|---|---|---|---|---|---|---|---|---|---|
| | | | Sample Date: | | 11/22/2022 | 11/18/2022 | 11/18/2022 | 11/17/2022 | 11/17/2022 |
| | | | Sample Depth (ft or in bls): | | 12 - 14 | 0 - 2 | 2 - 4 | 0 - 2 | 4 - 6 |
| | | | 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 | NA | NA | NA | NA | NA |
| Antimony | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Arsenic | **13** | 16 | 16 | MG/KG | 1.4 | 3.2 | 2.1 | 3.6 | 3.2 |
| Barium | **350** | 400 | 820 | MG/KG | 28.7 | 170 | 72.9 | 196 | 92.1 |
| Beryllium | 7.2 | 72 | 47 | MG/KG | 0.37 J | 0.3 J | 0.28 J | 0.32 J | 0.4 J |
| Cadmium | **2.5** | 4.3 | 7.5 | MG/KG | 0.98 U | 1.3 | 0.43 J | 0.21 J | 1 U |
| Calcium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Chromium III | **30** | 180 | -- | MG/KG | NA | NA | NA | NA | NA |
| Chromium, Hexavalent | 1 | 110 | 19 | MG/KG | NA | NA | NA | NA | NA |
| Chromium, Total | **30** | 180 | -- | MG/KG | 9 | 12.3 | 11.1 | 10.5 | 12.5 |
| Cobalt | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Copper | **50** | 270 | 1720 | MG/KG | 11.8 | 26.5 | 20.8 | 24.6 | 12.3 |
| Cyanide | 27 | 27 | 40 | MG/KG | NA | NA | NA | NA | NA |
| Iron | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Lead | **63** | 400 | 450 | MG/KG | 4.5 | **258** | **89.5** | **377** | **69.7** |
| Magnesium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Manganese | 1600 | 2000 | 2000 | MG/KG | 322 | 233 | 421 | 314 | 213 |
| Mercury | **0.18** | 0.81 | 0.73 | MG/KG | 0.017 U | 0.12 | 0.053 | 0.15 | **0.66** |
| Nickel | **30** | 310 | 130 | MG/KG | 6.7 | 15.6 | 14.8 | 8.1 | 8.1 |
| Potassium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Selenium | 3.9 | 180 | 4 | MG/KG | 0.16 J | 0.39 J | 0.22 J | 0.3 J | 0.26 J |
| Silver | **2** | 180 | 8.3 | MG/KG | 0.39 U | 0.12 J | 0.4 U | 0.39 U | 0.41 U |
| Sodium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Thallium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Vanadium | -- | -- | -- | MG/KG | NA | NA | NA | NA | NA |
| Zinc | **109** | 10000 | 2480 | MG/KG | 15.5 | **181** | 106 | **132** | 36.6 |

**Table 3. Summary of Metals in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | Sample Designation: | | RXSB-13 | RXSB-13 | RXSB-13 | RXSB-13_WC-A1-3 |
|---|---|---|---|---|---|---|---|---|
| | | | Sample Date: | | 12/13/2023 | 12/14/2023 | 12/14/2023 | 12/13/2023 |
| | | | Sample Depth (ft or in bls): | | 10 - 12 ft | 0 - 2 in | 0 - 2 in | 6 - 8 ft |
| | | | Normal Sample or Field Duplicate: | | N | N | FD | 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 | 5320 | 1000 | 1180 | 10900 |
| Antimony | -- | -- | -- | MG/KG | 0.12 J | 0.86 U | 0.24 J | 0.93 U |
| Arsenic | **13** | 16 | 16 | MG/KG | 1.6 | 0.48 J | 1.4 | 3.5 |
| Barium | **350** | 400 | 820 | MG/KG | 35.7 | 13.2 J | 23 J | 31.8 |
| Beryllium | 7.2 | 72 | 47 | MG/KG | 0.25 J | 0.34 U | 0.34 U | 0.47 |
| Cadmium | **2.5** | 4.3 | 7.5 | MG/KG | 0.12 J | 0.86 U | 0.86 U | 0.93 U |
| Calcium | -- | -- | -- | MG/KG | 2890 | 1620 | 1680 | 855 |
| Chromium III | **30** | 180 | -- | MG/KG | NA | 2.9 | 4 | 13.9 |
| Chromium, Hexavalent | 1 | 110 | 19 | MG/KG | NA | 2.1 U | 2.1 U | 2 U |
| Chromium, Total | **30** | 180 | -- | MG/KG | 10.6 | 2.9 | 4 | 13.9 |
| Cobalt | -- | -- | -- | MG/KG | 3.4 | 0.5 J | 1.3 J | 5.2 |
| Copper | **50** | 270 | 1720 | MG/KG | 9.8 | 3.4 | 6.7 | 11.1 |
| Cyanide | 27 | 27 | 40 | MG/KG | NA | 0.23 U | 0.22 U | 0.24 U |
| Iron | -- | -- | -- | MG/KG | 10900 | 1490 J | 5070 J | 19000 |
| Lead | **63** | 400 | 450 | MG/KG | **68.1** | 19.6 J | 30.7 J | 7.2 |
| Magnesium | -- | -- | -- | MG/KG | 1440 | 302 | 535 | 2490 |
| Manganese | 1600 | 2000 | 2000 | MG/KG | 157 | 18.4 J | 40.8 J | 164 |
| Mercury | **0.18** | 0.81 | 0.73 | MG/KG | 0.034 | 0.02 | 0.02 | 0.017 U |
| Nickel | **30** | 310 | 130 | MG/KG | 7.2 | 1.7 | 4.1 | 10 |
| Potassium | -- | -- | -- | MG/KG | 438 | 159 | 252 | 807 |
| Selenium | 3.9 | 180 | 4 | MG/KG | 1.1 U | 1.1 U | 1.1 U | 1.2 U |
| Silver | **2** | 180 | 8.3 | MG/KG | 0.34 U | 0.34 U | 0.34 U | 0.37 U |
| Sodium | -- | -- | -- | MG/KG | 74.2 J | 108 | 99 | 92.7 U |
| Thallium | -- | -- | -- | MG/KG | 0.05 J | 0.34 U | 0.34 U | 0.11 J |
| Vanadium | -- | -- | -- | MG/KG | 19.6 | 2.7 | 5.6 | 26.9 |
| Zinc | **109** | 10000 | 2480 | MG/KG | 40 | 29.8 | 38.5 | 29.2 |

**Table 3. Summary of Metals in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | Sample Designation: | | RXSB-14 | RXSB-14 | RXSB-14_WC-B1-3 | RXSB-15 |
|---|---|---|---|---|---|---|---|---|
| | | | Sample Date: | | 12/11/2023 | 12/11/2023 | 12/11/2023 | 12/08/2023 |
| | | | Sample Depth (ft or in bls): | | 0 - 2 in | 10 - 12 ft | 8 - 10 ft | 0 - 2 in |
| | | | Normal Sample or Field Duplicate: | | 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 | 5890 | 4740 | 8100 | 6110 |
| Antimony | -- | -- | -- | MG/KG | 0.24 J | 0.79 U | 1.1 U | 0.26 J |
| Arsenic | **13** | 16 | 16 | MG/KG | 4.8 | 1.5 | 3.5 | 3.8 |
| Barium | **350** | 400 | 820 | MG/KG | 117 | 21.9 | 15.6 | 120 |
| Beryllium | 7.2 | 72 | 47 | MG/KG | 0.31 J | 0.29 J | 0.42 | 0.38 J |
| Cadmium | **2.5** | 4.3 | 7.5 | MG/KG | 0.26 J | 0.79 U | 1.1 U | 0.33 J |
| Calcium | -- | -- | -- | MG/KG | 19900 | 1120 | 898 | 7950 |
| Chromium III | **30** | 180 | -- | MG/KG | 20.4 | NA | 20.3 | 13.9 |
| Chromium, Hexavalent | 1 | 110 | 19 | MG/KG | 2.1 U | NA | 2.2 U | 2.3 U |
| Chromium, Total | **30** | 180 | -- | MG/KG | 20.4 | 15.3 | 20.3 | 13.9 |
| Cobalt | -- | -- | -- | MG/KG | 28 | 4 | 4.9 | 4.5 |
| Copper | **50** | 270 | 1720 | MG/KG | 48.3 | 12.1 | 10.4 | 27.5 |
| Cyanide | 27 | 27 | 40 | MG/KG | 0.26 U | NA | 0.23 U | 0.25 U |
| Iron | -- | -- | -- | MG/KG | 13600 | 16200 | 21400 | 12600 |
| Lead | **63** | 400 | 450 | MG/KG | **114** | 3.1 | 5.5 | **123** |
| Magnesium | -- | -- | -- | MG/KG | 5930 | 1560 | 2810 | 2340 |
| Manganese | 1600 | 2000 | 2000 | MG/KG | 261 | 454 | 198 | 234 |
| Mercury | **0.18** | 0.81 | 0.73 | MG/KG | 0.1 J | 0.017 U | 0.019 U | **0.23** |
| Nickel | **30** | 310 | 130 | MG/KG | 11 | 11.5 | 8.6 | 10 |
| Potassium | -- | -- | -- | MG/KG | 686 | 568 | 1030 | 646 |
| Selenium | 3.9 | 180 | 4 | MG/KG | 0.18 J | 0.11 J | 0.15 J | 0.31 J |
| Silver | **2** | 180 | 8.3 | MG/KG | 0.11 J | 0.31 U | 0.42 U | 0.13 J |
| Sodium | -- | -- | -- | MG/KG | 160 | 108 | 106 U | 98.2 J |
| Thallium | -- | -- | -- | MG/KG | 0.055 J | 0.047 J | 0.08 J | 0.075 J |
| Vanadium | -- | -- | -- | MG/KG | 19.5 | 20.9 | 30.1 | 20.5 |
| Zinc | **109** | 10000 | 2480 | MG/KG | **237** | 15.3 | 23 | **150** |

**Table 3. Summary of Metals in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | Sample Designation: | | RXSB-15WC-C-3 | RXSB-15WC-C-3 | RXSB-16 |
|---|---|---|---|---|---|---|---|
| | | | Sample Date: | | 12/12/2023 | 12/12/2023 | 12/07/2023 |
| | | | Sample Depth (ft or in bls): | | 2 - 4 ft | 8 - 10 ft | 0 - 2 in |
| | | | Normal Sample or Field Duplicate: | | 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 | 8760 | 12100 | 5830 |
| Antimony | -- | -- | -- | MG/KG | 0.15 J | 0.15 J | 1.3 |
| Arsenic | **13** | 16 | 16 | MG/KG | 2.8 | 3.6 | 4.1 |
| Barium | **350** | 400 | 820 | MG/KG | 64.7 | 37.1 | 138 |
| Beryllium | 7.2 | 72 | 47 | MG/KG | 0.42 | 0.39 | 0.32 J |
| Cadmium | **2.5** | 4.3 | 7.5 | MG/KG | 1 U | 0.81 U | 0.75 J |
| Calcium | -- | -- | -- | MG/KG | 1490 | 819 | 12800 |
| Chromium III | **30** | 180 | -- | MG/KG | 12.3 | NA | 16.2 |
| Chromium, Hexavalent | 1 | 110 | 19 | MG/KG | 2 U | NA | 2.2 U |
| Chromium, Total | **30** | 180 | -- | MG/KG | 12.3 | 22.7 | 16.2 |
| Cobalt | -- | -- | -- | MG/KG | 4.2 | 5 | 5.6 |
| Copper | **50** | 270 | 1720 | MG/KG | 13 J | 9.4 | 42.6 |
| Cyanide | 27 | 27 | 40 | MG/KG | 0.23 U | NA | 0.24 U |
| Iron | -- | -- | -- | MG/KG | 12400 | 19400 | 16600 |
| Lead | **63** | 400 | 450 | MG/KG | 46.4 | 8.5 | **177** |
| Magnesium | -- | -- | -- | MG/KG | 1350 | 2230 | 3180 |
| Manganese | 1600 | 2000 | 2000 | MG/KG | 311 | 165 | 419 |
| Mercury | **0.18** | 0.81 | 0.73 | MG/KG | **0.21** | 0.032 | **0.47** |
| Nickel | **30** | 310 | 130 | MG/KG | 8.8 | 9.9 | 12.3 |
| Potassium | -- | -- | -- | MG/KG | 499 | 882 | 840 |
| Selenium | 3.9 | 180 | 4 | MG/KG | 0.3 J | 0.29 J | 0.32 J |
| Silver | **2** | 180 | 8.3 | MG/KG | 0.41 U | 0.32 U | 0.14 J |
| Sodium | -- | -- | -- | MG/KG | 102 U | 39 J | 104 |
| Thallium | -- | -- | -- | MG/KG | 0.12 J | 0.1 J | 0.068 J |
| Vanadium | -- | -- | -- | MG/KG | 17.9 | 29.5 | 24.2 |
| Zinc | **109** | 10000 | 2480 | MG/KG | 63.1 | 31 | **257** |

**Table 3. Summary of Metals in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-16_WC-D-1 | RXSB-17 | RXSB-17 | RXSB-17_WC-D-4 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/07/2023 | 12/07/2023 | 12/07/2023 | 12/07/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 ft | 0 - 2 in | 10 - 12 ft | 8 - 10 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | 5730 | 8620 | 5380 | 7960 |
| Antimony | -- | -- | -- | MG/KG | 1.3 | 1.4 | 0.77 U | 0.16 J |
| Arsenic | **13** | 16 | 16 | MG/KG | 4.5 | 4.8 | 1.9 | 3.1 |
| Barium | **350** | 400 | 820 | MG/KG | 107 | 257 | 39 | 36.7 |
| Beryllium | 7.2 | 72 | 47 | MG/KG | 0.3 J | 0.42 | 0.29 J | 0.49 |
| Cadmium | **2.5** | 4.3 | 7.5 | MG/KG | 0.73 J | 0.69 J | 0.77 U | 0.88 U |
| Calcium | -- | -- | -- | MG/KG | 30000 | 16900 | 956 J | 1720 |
| Chromium III | **30** | 180 | -- | MG/KG | 13.3 | 19.1 | NA | 20.8 |
| Chromium, Hexavalent | 1 | 110 | 19 | MG/KG | 2.1 U | 2.3 U | NA | 2.2 U |
| Chromium, Total | **30** | 180 | -- | MG/KG | 13.3 | 19.1 | 15.5 | 20.8 |
| Cobalt | -- | -- | -- | MG/KG | 3.5 | 5.8 J | 5.6 | 6.7 |
| Copper | **50** | 270 | 1720 | MG/KG | 31.5 | 42.2 | 11.9 | 13.3 |
| Cyanide | 27 | 27 | 40 | MG/KG | 0.23 U | 0.28 | NA | 0.25 U |
| Iron | -- | -- | -- | MG/KG | 11800 | 22100 | 22900 | 25100 |
| Lead | **63** | 400 | 450 | MG/KG | **119** | **206** | 4.6 | 7.7 |
| Magnesium | -- | -- | -- | MG/KG | 5280 | 4340 | 1760 | 2200 |
| Manganese | 1600 | 2000 | 2000 | MG/KG | 227 | 582 | 451 | 403 |
| Mercury | **0.18** | 0.81 | 0.73 | MG/KG | **0.24** | 0.17 | 0.016 U | 0.018 U |
| Nickel | **30** | 310 | 130 | MG/KG | 12.1 | 14.2 | 11.2 | 10.7 |
| Potassium | -- | -- | -- | MG/KG | 679 | 816 | 1200 J | 702 |
| Selenium | 3.9 | 180 | 4 | MG/KG | 0.25 J | 0.28 J | 0.11 J | 0.14 J |
| Silver | **2** | 180 | 8.3 | MG/KG | 0.15 J | 0.14 J | 0.31 U | 0.35 U |
| Sodium | -- | -- | -- | MG/KG | 250 | 230 | 71.1 J | 51.5 J |
| Thallium | -- | -- | -- | MG/KG | 0.063 J | 0.1 J | 0.08 J | 0.099 J |
| Vanadium | -- | -- | -- | MG/KG | 21.1 | 27.3 | 29.7 | 32.4 |
| Zinc | **109** | 10000 | 2480 | MG/KG | **309** | **289** | 21.6 | 28 |

**Table 3. Summary of Metals in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | Sample Designation: | | RXSB-18 | RXSB-18 | RXSB-18 | RXSB-19 | RXSB-19 |
|---|---|---|---|---|---|---|---|---|---|
| | | | Sample Date: | | 12/08/2023 | 12/12/2023 | 12/12/2023 | 12/06/2023 | 12/06/2023 |
| | | | Sample Depth (ft or in bls): | | 0 - 2 in | 6 - 8 ft | 8 - 10 ft | 0 - 2 in | 4 - 6 ft |
| | | | 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 | 5510 | 11100 | 5100 | 6380 | 8600 |
| Antimony | -- | -- | -- | MG/KG | 0.27 J | 0.91 U | 0.79 U | 0.86 | 0.94 |
| Arsenic | **13** | 16 | 16 | MG/KG | 4.2 | 3.4 | 3 | 5.4 | 4.8 |
| Barium | **350** | 400 | 820 | MG/KG | 141 | 22.9 | 37 | 201 | 174 |
| Beryllium | 7.2 | 72 | 47 | MG/KG | 0.32 J | 0.52 | 0.37 | 0.31 J | 0.48 |
| Cadmium | **2.5** | 4.3 | 7.5 | MG/KG | 0.45 J | 0.91 U | 0.79 U | 0.68 J | 0.15 J |
| Calcium | -- | -- | -- | MG/KG | 10700 | 1860 | 1490 J | 13100 | 4570 |
| Chromium III | **30** | 180 | -- | MG/KG | 14 | **33.7** | NA | 15.3 | 28.3 |
| Chromium, Hexavalent | 1 | 110 | 19 | MG/KG | 2.2 U | 2 U | NA | 2.2 U | 2.3 U |
| Chromium, Total | **30** | 180 | -- | MG/KG | 14 | **33.7** | **48.4** | 15.3 | 28.3 |
| Cobalt | -- | -- | -- | MG/KG | 4.5 | 6.6 | 7.1 J | 4.3 | 4.1 |
| Copper | **50** | 270 | 1720 | MG/KG | 33.4 | 16.9 | 17.3 J | 28.7 | 19.7 |
| Cyanide | 27 | 27 | 40 | MG/KG | 0.17 J | 0.23 U | NA | 0.26 J | 0.32 J+ |
| Iron | -- | -- | -- | MG/KG | 13200 | 40500 | 34100 | 14400 | 12100 |
| Lead | **63** | 400 | 450 | MG/KG | **130** | 9.4 | 3.4 | **239** | **316** |
| Magnesium | -- | -- | -- | MG/KG | 3220 | 1710 | 1920 | 2650 | 1270 |
| Manganese | 1600 | 2000 | 2000 | MG/KG | 231 | 248 | 908 | 283 | 333 |
| Mercury | **0.18** | 0.81 | 0.73 | MG/KG | 0.17 | 0.061 | 0.017 U | **0.27** | **1.8** |
| Nickel | **30** | 310 | 130 | MG/KG | 11.8 | **68.2** | 16.8 J | 11.4 | 16.4 |
| Potassium | -- | -- | -- | MG/KG | 549 | 516 | 429 | 725 | 630 |
| Selenium | 3.9 | 180 | 4 | MG/KG | 0.23 J | 0.2 J | 0.16 J | 0.29 J | 0.39 J |
| Silver | **2** | 180 | 8.3 | MG/KG | 0.11 J | 0.36 U | 0.32 U | 0.15 J | 0.16 J |
| Sodium | -- | -- | -- | MG/KG | 193 | 90.7 U | 158 | 319 | 80.5 J |
| Thallium | -- | -- | -- | MG/KG | 0.063 J | 0.16 J | 0.06 J | 0.12 J | 0.087 J |
| Vanadium | -- | -- | -- | MG/KG | 23.9 | 28.3 | 45 | 23.8 | 15.1 |
| Zinc | **109** | 10000 | 2480 | MG/KG | **161** | 24.6 | 22 | **259** | **138** |

**Table 3. Summary of Metals in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | Sample Designation: | | RXSB-19 | RXSB-19_WC-B2-1 | RXSB-19_WC-B2-1 | RXSB-20 |
|---|---|---|---|---|---|---|---|---|
| | | | Sample Date: | | 12/11/2023 | 12/11/2023 | 12/11/2023 | 12/12/2023 |
| | | | Sample Depth (ft or in bls): | | 10 - 12 ft | 6 - 8 ft | 8 - 10 ft | 0 - 2 in |
| | | | Normal Sample or Field Duplicate: | | 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 | 8010 | 8560 | 7270 | 6780 |
| Antimony | -- | -- | -- | MG/KG | 0.44 J | 0.27 J | 0.16 J | 0.67 J |
| Arsenic | **13** | 16 | 16 | MG/KG | 3.6 | 4.3 | 6.6 | 7.1 |
| Barium | **350** | 400 | 820 | MG/KG | 49.6 | 96.7 | 20.2 | **530** |
| Beryllium | 7.2 | 72 | 47 | MG/KG | 0.34 | 0.51 | 0.32 J | 0.36 J |
| Cadmium | **2.5** | 4.3 | 7.5 | MG/KG | 0.8 U | 1 U | 1 U | 0.76 J |
| Calcium | -- | -- | -- | MG/KG | 2130 | 3230 | 773 | 22000 |
| Chromium III | **30** | 180 | -- | MG/KG | NA | NA | NA | 18.2 |
| Chromium, Hexavalent | 1 | 110 | 19 | MG/KG | NA | NA | NA | 2.2 U |
| Chromium, Total | **30** | 180 | -- | MG/KG | 13.5 | 12.1 | 11.7 | 18.2 |
| Cobalt | -- | -- | -- | MG/KG | 3.5 | 3.1 | 9.7 | 5.1 |
| Copper | **50** | 270 | 1720 | MG/KG | 8.9 | 12.5 | 10.7 | 36.9 |
| Cyanide | 27 | 27 | 40 | MG/KG | NA | NA | NA | 0.2 J |
| Iron | -- | -- | -- | MG/KG | 11500 | 10600 | 18500 | 20700 |
| Lead | **63** | 400 | 450 | MG/KG | 53.3 | **144** | 6.1 | **460** |
| Magnesium | -- | -- | -- | MG/KG | 1260 | 1210 | 1370 | 3390 |
| Manganese | 1600 | 2000 | 2000 | MG/KG | 205 | 331 | 485 | 298 |
| Mercury | **0.18** | 0.81 | 0.73 | MG/KG | 0.16 | **1.1** | 0.075 | **0.38** |
| Nickel | **30** | 310 | 130 | MG/KG | 8 | 8.1 | 10.8 | 14.4 |
| Potassium | -- | -- | -- | MG/KG | 605 | 597 | 500 | 596 |
| Selenium | 3.9 | 180 | 4 | MG/KG | 0.25 J | 0.36 J | 0.17 J | 0.34 J |
| Silver | **2** | 180 | 8.3 | MG/KG | 0.32 U | 0.4 U | 0.4 U | 0.15 J |
| Sodium | -- | -- | -- | MG/KG | 57.4 J | 60.9 J | 101 U | 200 |
| Thallium | -- | -- | -- | MG/KG | 0.062 J | 0.073 J | 0.049 J | 0.12 J |
| Vanadium | -- | -- | -- | MG/KG | 14.8 | 14 | 17 | 23.4 |
| Zinc | **109** | 10000 | 2480 | MG/KG | 39.4 | 76.9 | 23 | **406** |

**Table 3. Summary of Metals in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | Sample Designation: | | RXSB-20 | RXSB-21 | RXSB-21 | RXSB-21 | RXSB-22 |
|---|---|---|---|---|---|---|---|---|---|
| | | | Sample Date: | | 12/13/2023 | 12/12/2023 | 12/13/2023 | 12/13/2023 | 12/12/2023 |
| | | | Sample Depth (ft or in bls): | | 4 - 6 ft | 0 - 2 in | 4 - 6 ft | 6 - 8 ft | 0 - 2 ft |
| | | | 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 | 7100 | 5680 | 2690 | 5210 | 6120 |
| Antimony | -- | -- | -- | MG/KG | 0.31 J | 0.71 J | 0.86 J | 0.44 J | 0.24 J |
| Arsenic | **13** | 16 | 16 | MG/KG | 7 | 6.2 | 8 | 2.6 | 3.9 |
| Barium | **350** | 400 | 820 | MG/KG | 302 | **1020** | **884** | 127 | 271 |
| Beryllium | 7.2 | 72 | 47 | MG/KG | 0.35 J | 0.52 | 0.19 J | 0.26 J | 0.28 J |
| Cadmium | **2.5** | 4.3 | 7.5 | MG/KG | 0.58 J | 0.94 J | 0.64 J | 0.34 J | 0.44 J |
| Calcium | -- | -- | -- | MG/KG | 21100 | 38300 | 44600 | 35400 | 30100 |
| Chromium III | **30** | 180 | -- | MG/KG | 15.7 | 21.9 | 18.4 | NA | 11.4 |
| Chromium, Hexavalent | 1 | 110 | 19 | MG/KG | 2 U | 2.2 U | 2 U | NA | 2 U |
| Chromium, Total | **30** | 180 | -- | MG/KG | 15.7 | 21.9 | 18.4 | 10.5 | 11.4 |
| Cobalt | -- | -- | -- | MG/KG | 4 | 6.3 | 4.1 | 4.7 | 4.5 |
| Copper | **50** | 270 | 1720 | MG/KG | 28.6 | **72.8** | 26.3 | 14.5 | 29.1 |
| Cyanide | 27 | 27 | 40 | MG/KG | 5.7E-05 J | 0.55 | 0.49 | NA | 0.17 J |
| Iron | -- | -- | -- | MG/KG | 13700 | 13700 | 28500 | 12000 | 12100 |
| Lead | **63** | 400 | 450 | MG/KG | **221** | **383** | **401** | 25.4 | **195** |
| Magnesium | -- | -- | -- | MG/KG | 6260 | 4530 | 2830 | 3630 | 11900 |
| Manganese | 1600 | 2000 | 2000 | MG/KG | 287 | 251 | 259 | 168 | 240 |
| Mercury | **0.18** | 0.81 | 0.73 | MG/KG | **0.32** | **0.3** | **0.24** | 0.088 | 0.14 |
| Nickel | **30** | 310 | 130 | MG/KG | 11.9 | 21.6 | 9.1 | 23.9 | 11.9 |
| Potassium | -- | -- | -- | MG/KG | 999 | 606 | 309 | 691 | 664 |
| Selenium | 3.9 | 180 | 4 | MG/KG | 0.39 J | 0.38 J | 0.6 J | 0.17 J | 0.21 J |
| Silver | **2** | 180 | 8.3 | MG/KG | 0.15 J | 0.15 J | 0.094 J | 0.32 U | 0.09 J |
| Sodium | -- | -- | -- | MG/KG | 212 | 188 | 181 | 115 | 395 |
| Thallium | -- | -- | -- | MG/KG | 0.13 J | 0.11 J | 0.092 J | 0.042 J | 0.093 J |
| Vanadium | -- | -- | -- | MG/KG | 24.2 | 28.1 | 16.1 | 14.1 | 36.5 |
| Zinc | **109** | 10000 | 2480 | MG/KG | **276** | **747** | **625** | **113** | **210** |

**Table 3. Summary of Metals in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | Sample Designation: | | RXSB-22 | RXSB-23 | RXSB-23 | RXSB-23 | RXSB-23 |
|---|---|---|---|---|---|---|---|---|---|
| | | | Sample Date: | | 12/12/2023 | 01/10/2024 | 01/10/2024 | 01/11/2024 | 01/11/2024 |
| | | | Sample Depth (ft or in bls): | | 0 - 2 in | 0 - 2 ft | 2 - 4 ft | 4 - 6 ft | 6 - 8 ft |
| | | | 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 | 5430 | 5160 | 7470 | 4660 | 5570 |
| Antimony | -- | -- | -- | MG/KG | 0.22 J | 2 | 0.69 J | 37.1 | 1.7 |
| Arsenic | **13** | 16 | 16 | MG/KG | 2.8 | 5.1 | 4.7 | **17.1** | 5.2 |
| Barium | **350** | 400 | 820 | MG/KG | 125 | **391** | **1780** | **5680** | 178 |
| Beryllium | 7.2 | 72 | 47 | MG/KG | 0.25 J | 0.26 J | 0.35 | 0.26 J | 0.29 J |
| Cadmium | **2.5** | 4.3 | 7.5 | MG/KG | 0.32 J | 0.93 | 0.57 J | **7.3** | 0.29 J |
| Calcium | -- | -- | -- | MG/KG | 31000 | 17300 | 43400 | 45400 | 57400 |
| Chromium III | **30** | 180 | -- | MG/KG | 10.7 | 17.9 | 16.4 | **40.7** | 17.4 |
| Chromium, Hexavalent | 1 | 110 | 19 | MG/KG | 2.1 U | 2.3 U | 2.1 U | 2.5 U | 2.1 U |
| Chromium, Total | **30** | 180 | -- | MG/KG | 10.7 | 17.9 | 16.4 | **40.7** | 17.4 |
| Cobalt | -- | -- | -- | MG/KG | 5.4 | 4.4 | 4.1 | 6.5 | 3.6 |
| Copper | **50** | 270 | 1720 | MG/KG | 35.9 | **123** | 15.8 | 36.5 | 18.5 |
| Cyanide | 27 | 27 | 40 | MG/KG | 0.24 U | NA | NA | NA | NA |
| Iron | -- | -- | -- | MG/KG | 13500 | 15400 | 16100 | 91000 | 10700 |
| Lead | **63** | 400 | 450 | MG/KG | **95** | **380** | **123** | **3270** | **237** |
| Magnesium | -- | -- | -- | MG/KG | 14800 | 5300 | 4370 | 6250 | 5140 |
| Manganese | 1600 | 2000 | 2000 | MG/KG | 232 | 237 | 363 | 574 | 237 |
| Mercury | **0.18** | 0.81 | 0.73 | MG/KG | 0.1 | **0.39** | **0.19** | **0.27** | 0.15 |
| Nickel | **30** | 310 | 130 | MG/KG | 12.3 | 16.3 | 10.4 | 30 | 18.2 |
| Potassium | -- | -- | -- | MG/KG | 687 | 628 | 1010 | 603 | 621 |
| Selenium | 3.9 | 180 | 4 | MG/KG | 0.18 J | 0.32 J | 0.3 J | 0.5 J | 0.27 J |
| Silver | **2** | 180 | 8.3 | MG/KG | 0.4 U | 0.19 J | 0.33 U | 0.37 J | 0.17 J |
| Sodium | -- | -- | -- | MG/KG | 211 | 137 | 405 | 232 | 614 |
| Thallium | -- | -- | -- | MG/KG | 0.1 J | 0.089 J | 0.084 J | 0.057 J | 0.053 J |
| Vanadium | -- | -- | -- | MG/KG | 41.1 | 25 | 22.1 | 38.3 | 35.8 |
| Zinc | **109** | 10000 | 2480 | MG/KG | **195** | **498** | **231** | **3000** | **145** |

**Table 3. Summary of Metals in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | Sample Designation: | | RXSB-23 | RXSB-24 | RXSB-24 | RXSB-24 | RXSB-24 |
|---|---|---|---|---|---|---|---|---|---|
| | | | Sample Date: | | 01/11/2024 | 01/10/2024 | 01/10/2024 | 01/10/2024 | 01/11/2024 |
| | | | Sample Depth (ft or in bls): | | 8 - 10 ft | 0 - 2 ft | 0 - 2 ft | 2 - 4 ft | 4 - 6 ft |
| | | | 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 | 12700 | 9360 | 9820 | 16200 | 14700 |
| Antimony | -- | -- | -- | MG/KG | 0.48 J | 2.2 | 2.7 | 1.1 | 0.22 J |
| Arsenic | **13** | 16 | 16 | MG/KG | 6.2 | 7.6 | 8.4 | 5.6 | 6 |
| Barium | **350** | 400 | 820 | MG/KG | 51.7 | **504** | **728** | 156 | 40.5 |
| Beryllium | 7.2 | 72 | 47 | MG/KG | 0.64 | 0.35 J | 0.44 | 0.72 | 0.43 |
| Cadmium | **2.5** | 4.3 | 7.5 | MG/KG | 0.29 J | 1.2 | 1.7 | 0.15 J | 0.93 U |
| Calcium | -- | -- | -- | MG/KG | 1730 | 9980 J | 19100 J | 3720 | 1020 |
| Chromium III | **30** | 180 | -- | MG/KG | NA | **30.6** | **31.7** | 24.6 | 18.4 |
| Chromium, Hexavalent | 1 | 110 | 19 | MG/KG | NA | 2.4 U | 2.5 U | 2.5 U | 2.3 U |
| Chromium, Total | **30** | 180 | -- | MG/KG | **35.7** | **30.6** | **31.7** | 24.6 | 18.4 |
| Cobalt | -- | -- | -- | MG/KG | 6.8 | 5.9 | 5.7 | 11.4 | 6.2 |
| Copper | **50** | 270 | 1720 | MG/KG | 23.4 | 44.8 | 49 | 25 | 11.1 |
| Cyanide | 27 | 27 | 40 | MG/KG | NA | NA | NA | NA | NA |
| Iron | -- | -- | -- | MG/KG | 37900 | 41800 J | 23400 J | 22000 | 22100 |
| Lead | **63** | 400 | 450 | MG/KG | 10.8 | **417** | **478** | **126** | 10.4 |
| Magnesium | -- | -- | -- | MG/KG | 2400 | 3070 | 5510 | 2870 | 2360 |
| Manganese | 1600 | 2000 | 2000 | MG/KG | 527 | 615 J | 319 J | 416 | 186 |
| Mercury | **0.18** | 0.81 | 0.73 | MG/KG | 0.078 | **0.67** | **0.78** | **0.78** | 0.01 J |
| Nickel | **30** | 310 | 130 | MG/KG | 13.6 | 15.4 | 16.9 | 15.6 | 10.9 |
| Potassium | -- | -- | -- | MG/KG | 940 | 773 | 829 | 1150 | 871 |
| Selenium | 3.9 | 180 | 4 | MG/KG | 0.36 J | 0.53 J | 0.58 J | 0.27 J | 0.21 J |
| Silver | **2** | 180 | 8.3 | MG/KG | 0.39 U | **2.1** | **3.3** | 0.21 J | 0.37 U |
| Sodium | -- | -- | -- | MG/KG | 51.4 J | 361 J | 182 J | 89.5 J | 43.8 J |
| Thallium | -- | -- | -- | MG/KG | 0.16 J | 0.11 J | 0.13 J | 0.18 J | 0.12 J |
| Vanadium | -- | -- | -- | MG/KG | 34.8 | 35.1 | 31.6 | 35.4 | 29.8 |
| Zinc | **109** | 10000 | 2480 | MG/KG | 102 | **546** | **736** | **111** | 33.7 |

**Table 3. Summary of Metals in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | Sample Designation: | | RXSB-25 | RXSB-25 | RXSB-25 | RXSB-25 |
|---|---|---|---|---|---|---|---|---|
| | | | Sample Date: | | 01/11/2024 | 01/11/2024 | 01/11/2024 | 01/11/2024 |
| | | | Sample Depth (ft or in bls): | | 0 - 2 ft | 2 - 4 ft | 4 - 6 ft | 6 - 8 ft |
| | | | Normal Sample or Field Duplicate: | | 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 | 8060 | 8530 | 8250 | 9670 |
| Antimony | -- | -- | -- | MG/KG | 0.41 J | 0.93 | 1.8 | 1.1 |
| Arsenic | **13** | 16 | 16 | MG/KG | 3.7 | 3.9 | 9 | 4 |
| Barium | **350** | 400 | 820 | MG/KG | 136 | 209 | **673** | 25.5 |
| Beryllium | 7.2 | 72 | 47 | MG/KG | 0.4 | 0.35 | 0.38 | 0.46 |
| Cadmium | **2.5** | 4.3 | 7.5 | MG/KG | 0.23 J | 0.33 J | 0.57 J | 0.9 U |
| Calcium | -- | -- | -- | MG/KG | 18300 | 9550 | 32900 | 1400 |
| Chromium III | **30** | 180 | -- | MG/KG | 17.7 | 16.4 | 24.7 J+ | NA |
| Chromium, Hexavalent | 1 | 110 | 19 | MG/KG | 2.2 U | 2.2 U | 2.4 UJ | NA |
| Chromium, Total | **30** | 180 | -- | MG/KG | 17.7 | 16.4 | 24.7 | 18.7 |
| Cobalt | -- | -- | -- | MG/KG | 5.3 | 4.6 | 4.8 | 4.8 |
| Copper | **50** | 270 | 1720 | MG/KG | 19.7 | 43.2 | 47.8 | 8.6 |
| Cyanide | 27 | 27 | 40 | MG/KG | NA | NA | NA | NA |
| Iron | -- | -- | -- | MG/KG | 12500 | 14100 | 17100 | 19500 |
| Lead | **63** | 400 | 450 | MG/KG | **70.5** | **144** | **217** | 8.3 |
| Magnesium | -- | -- | -- | MG/KG | 11600 | 2520 | 4010 | 1740 |
| Manganese | 1600 | 2000 | 2000 | MG/KG | 257 | 279 | 348 | 111 |
| Mercury | **0.18** | 0.81 | 0.73 | MG/KG | **0.2** | **0.19** | **0.31** | 0.054 |
| Nickel | **30** | 310 | 130 | MG/KG | 19.1 | 15.3 | 13.4 | 8.9 |
| Potassium | -- | -- | -- | MG/KG | 1320 | 833 | 921 | 588 |
| Selenium | 3.9 | 180 | 4 | MG/KG | 0.21 J | 0.3 J | 0.3 J | 0.19 J |
| Silver | **2** | 180 | 8.3 | MG/KG | 0.093 J | 0.16 J | 0.25 J | 0.36 U |
| Sodium | -- | -- | -- | MG/KG | 91.6 | 83.6 J | 327 | 63.2 J |
| Thallium | -- | -- | -- | MG/KG | 0.096 J | 0.082 J | 0.093 J | 0.097 J |
| Vanadium | -- | -- | -- | MG/KG | 22.3 | 23.1 | 25.9 | 21.3 |
| Zinc | **109** | 10000 | 2480 | MG/KG | **118** | **206** | **310** | 29.8 |

**Table 4. Summary of Polychlorinated Biphenyls in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-13 | RXSB-13 | RXSB-13_WC-A1-3 | RXSB-14 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/14/2023 | 12/14/2023 | 12/13/2023 | 12/11/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 0 - 2 in | 6 - 8 ft | 0 - 2 in |
| | | | | Normal Sample or Field Duplicate: | 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 | 0.073 U | 0.073 U | 0.068 U | 0.072 U |
| PCB-1221 (Aroclor 1221) | -- | -- | -- | MG/KG | 0.073 U | 0.073 U | 0.068 U | 0.072 U |
| PCB-1232 (Aroclor 1232) | -- | -- | -- | MG/KG | 0.073 U | 0.073 U | 0.068 U | 0.072 U |
| PCB-1242 (Aroclor 1242) | -- | -- | -- | MG/KG | 0.073 U | 0.073 U | 0.068 U | 0.072 U |
| PCB-1248 (Aroclor 1248) | -- | -- | -- | MG/KG | 0.073 U | 0.073 U | 0.068 U | 0.072 U |
| PCB-1254 (Aroclor 1254) | -- | -- | -- | MG/KG | 0.073 U | 0.073 U | 0.068 U | 0.072 U |
| PCB-1260 (Aroclor 1260) | -- | -- | -- | MG/KG | 0.073 U | 0.073 U | 0.068 U | 0.072 U |
| PCB-1262 (Aroclor 1262) | -- | -- | -- | MG/KG | 0.073 U | 0.073 U | 0.068 U | 0.072 U |
| PCB-1268 (Aroclor 1268) | -- | -- | -- | MG/KG | 0.073 U | 0.073 U | 0.068 U | 0.072 U |
| Polychlorinated Biphenyl (PCBs) | **0.1** | 1 | 3.2 | MG/KG | 0.073 U | 0.073 U | 0.068 U | 0.072 U |

**Table 4. Summary of Polychlorinated Biphenyls in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-14_WC-B1-3 | RXSB-15 | RXSB-15WC-C-3 |
| | | | | Sample Date: | 12/11/2023 | 12/08/2023 | 12/12/2023 |
| | | | | Sample Depth (ft or in bls): | 8 - 10 ft | 0 - 2 in | 2 - 4 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | 0.074 U | 0.079 U | 0.068 U |
| PCB-1221 (Aroclor 1221) | -- | -- | -- | MG/KG | 0.074 U | 0.079 U | 0.068 U |
| PCB-1232 (Aroclor 1232) | -- | -- | -- | MG/KG | 0.074 U | 0.079 U | 0.068 U |
| PCB-1242 (Aroclor 1242) | -- | -- | -- | MG/KG | 0.074 U | 0.079 U | 0.068 U |
| PCB-1248 (Aroclor 1248) | -- | -- | -- | MG/KG | 0.074 U | 0.079 U | 0.068 U |
| PCB-1254 (Aroclor 1254) | -- | -- | -- | MG/KG | 0.074 U | 0.079 U | 0.068 U |
| PCB-1260 (Aroclor 1260) | -- | -- | -- | MG/KG | 0.074 U | 0.079 U | 0.068 U |
| PCB-1262 (Aroclor 1262) | -- | -- | -- | MG/KG | 0.074 U | 0.079 U | 0.068 U |
| PCB-1268 (Aroclor 1268) | -- | -- | -- | MG/KG | 0.074 U | 0.079 U | 0.068 U |
| Polychlorinated Biphenyl (PCBs) | **0.1** | 1 | 3.2 | MG/KG | 0.074 U | 0.079 U | 0.068 U |

**Table 4. Summary of Polychlorinated Biphenyls in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-16 | RXSB-16_WC-D-1 | RXSB-17 |
|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/07/2023 | 12/07/2023 | 12/07/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 0 - 2 ft | 0 - 2 in |
| | | | | Normal Sample or Field Duplicate: | 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 | 0.077 U | 0.07 U | 0.077 U |
| PCB-1221 (Aroclor 1221) | -- | -- | -- | MG/KG | 0.077 U | 0.07 U | 0.077 U |
| PCB-1232 (Aroclor 1232) | -- | -- | -- | MG/KG | 0.077 U | 0.07 U | 0.077 U |
| PCB-1242 (Aroclor 1242) | -- | -- | -- | MG/KG | 0.077 U | 0.07 U | 0.077 U |
| PCB-1248 (Aroclor 1248) | -- | -- | -- | MG/KG | 0.077 U | 0.14 | 0.077 U |
| PCB-1254 (Aroclor 1254) | -- | -- | -- | MG/KG | 0.14 | 0.07 U | 0.094 |
| PCB-1260 (Aroclor 1260) | -- | -- | -- | MG/KG | 0.077 U | 0.07 U | 0.077 U |
| PCB-1262 (Aroclor 1262) | -- | -- | -- | MG/KG | 0.077 U | 0.07 U | 0.077 U |
| PCB-1268 (Aroclor 1268) | -- | -- | -- | MG/KG | 0.077 U | 0.07 U | 0.077 U |
| Polychlorinated Biphenyl (PCBs) | **0.1** | 1 | 3.2 | MG/KG | **0.14** | **0.14** | 0.094 |

**Table 4. Summary of Polychlorinated Biphenyls in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-17_WC-D-4 | RXSB-18 | RXSB-18 | RXSB-19 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/07/2023 | 12/08/2023 | 12/12/2023 | 12/06/2023 |
| | | | | Sample Depth (ft or in bls): | 8 - 10 ft | 0 - 2 in | 6 - 8 ft | 0 - 2 in |
| | | | | Normal Sample or Field Duplicate: | 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 | 0.075 U | 0.076 U | 0.068 U | 0.076 U |
| PCB-1221 (Aroclor 1221) | -- | -- | -- | MG/KG | 0.075 U | 0.076 U | 0.068 U | 0.076 U |
| PCB-1232 (Aroclor 1232) | -- | -- | -- | MG/KG | 0.075 U | 0.076 U | 0.068 U | 0.076 U |
| PCB-1242 (Aroclor 1242) | -- | -- | -- | MG/KG | 0.075 U | 0.076 U | 0.068 U | 0.076 U |
| PCB-1248 (Aroclor 1248) | -- | -- | -- | MG/KG | 0.075 U | 0.076 U | 0.068 U | 0.076 U |
| PCB-1254 (Aroclor 1254) | -- | -- | -- | MG/KG | 0.075 U | 0.076 U | 0.068 U | 0.076 U |
| PCB-1260 (Aroclor 1260) | -- | -- | -- | MG/KG | 0.075 U | 0.076 U | 0.068 U | 0.076 U |
| PCB-1262 (Aroclor 1262) | -- | -- | -- | MG/KG | 0.075 U | 0.076 U | 0.068 U | 0.076 U |
| PCB-1268 (Aroclor 1268) | -- | -- | -- | MG/KG | 0.075 U | 0.076 U | 0.068 U | 0.076 U |
| Polychlorinated Biphenyl (PCBs) | **0.1** | 1 | 3.2 | MG/KG | 0.075 U | 0.076 U | 0.068 U | 0.076 U |

**Table 4. Summary of Polychlorinated Biphenyls in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-19 | RXSB-20 | RXSB-20 | RXSB-21 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/06/2023 | 12/12/2023 | 12/13/2023 | 12/12/2023 |
| | | | | Sample Depth (ft or in bls): | 4 - 6 ft | 0 - 2 in | 4 - 6 ft | 0 - 2 in |
| | | | | Normal Sample or Field Duplicate: | 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 | 0.077 U | 0.075 U | 0.07 U | 0.077 U |
| PCB-1221 (Aroclor 1221) | -- | -- | -- | MG/KG | 0.077 U | 0.075 U | 0.07 U | 0.077 U |
| PCB-1232 (Aroclor 1232) | -- | -- | -- | MG/KG | 0.077 U | 0.075 U | 0.07 U | 0.077 U |
| PCB-1242 (Aroclor 1242) | -- | -- | -- | MG/KG | 0.077 U | 0.075 U | 0.07 U | 0.077 U |
| PCB-1248 (Aroclor 1248) | -- | -- | -- | MG/KG | 0.077 U | 0.075 U | 0.07 U | 0.077 U |
| PCB-1254 (Aroclor 1254) | -- | -- | -- | MG/KG | 0.077 U | 0.075 U | 0.07 U | 0.077 U |
| PCB-1260 (Aroclor 1260) | -- | -- | -- | MG/KG | 0.077 U | 0.075 U | 0.07 U | 0.077 U |
| PCB-1262 (Aroclor 1262) | -- | -- | -- | MG/KG | 0.077 U | 0.075 U | 0.07 U | 0.077 U |
| PCB-1268 (Aroclor 1268) | -- | -- | -- | MG/KG | 0.077 U | 0.075 U | 0.07 U | 0.077 U |
| Polychlorinated Biphenyl (PCBs) | **0.1** | 1 | 3.2 | MG/KG | 0.077 U | 0.075 U | 0.07 U | 0.077 U |

**Table 4. Summary of Polychlorinated Biphenyls in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-21 | RXSB-22 | RXSB-22 |
|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/13/2023 | 12/12/2023 | 12/12/2023 |
| | | | | Sample Depth (ft or in bls): | 4 - 6 ft | 0 - 2 ft | 0 - 2 in |
| | | | | Normal Sample or Field Duplicate: | 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 | 0.068 U | 0.068 U | 0.072 U |
| PCB-1221 (Aroclor 1221) | -- | -- | -- | MG/KG | 0.068 U | 0.068 U | 0.072 U |
| PCB-1232 (Aroclor 1232) | -- | -- | -- | MG/KG | 0.068 U | 0.068 U | 0.072 U |
| PCB-1242 (Aroclor 1242) | -- | -- | -- | MG/KG | 0.068 U | 0.068 U | 0.072 U |
| PCB-1248 (Aroclor 1248) | -- | -- | -- | MG/KG | 0.068 U | 0.068 U | 0.072 U |
| PCB-1254 (Aroclor 1254) | -- | -- | -- | MG/KG | 0.068 U | 0.068 U | 0.072 U |
| PCB-1260 (Aroclor 1260) | -- | -- | -- | MG/KG | 0.068 U | 0.068 U | 0.072 U |
| PCB-1262 (Aroclor 1262) | -- | -- | -- | MG/KG | 0.068 U | 0.068 U | 0.072 U |
| PCB-1268 (Aroclor 1268) | -- | -- | -- | MG/KG | 0.068 U | 0.068 U | 0.072 U |
| Polychlorinated Biphenyl (PCBs) | **0.1** | 1 | 3.2 | MG/KG | 0.068 U | 0.068 U | 0.072 U |

**Table 5. Summary of Pesticides and Herbicides in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-13 | RXSB-13 | RXSB-13_WC-A1-3 |
|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/14/2023 | 12/14/2023 | 12/13/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 0 - 2 in | 6 - 8 ft |
| | | | | Normal Sample or Field Duplicate: | N | FD | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | | |
| Aldrin | 0.005 | 0.097 | 0.19 | MG/KG | 0.0073 U | 0.0073 U | 0.0068 U |
| Alpha Bhc (Alpha Hexachlorocyclohexane) | 0.02 | 0.48 | 0.02 | MG/KG | 0.0022 U | 0.0022 U | 0.002 U |
| Alpha Endosulfan | 2.4 | 24 | 102 | MG/KG | 0.0073 U | 0.0073 U | 0.0068 U |
| Beta Bhc (Beta Hexachlorocyclohexane) | 0.036 | 0.36 | 0.09 | MG/KG | 0.0022 U | 0.0022 U | 0.002 U |
| Beta Endosulfan | 2.4 | 24 | 102 | MG/KG | 0.0073 U | 0.0073 U | 0.0068 U |
| Chlordane (Technical) | -- | -- | -- | MG/KG | 0.073 U | 0.073 U | 0.068 U |
| cis-Chlordane | 0.094 | 4.2 | 2.9 | MG/KG | 0.0073 U | 0.0073 U | 0.0068 U |
| Delta BHC (Delta Hexachlorocyclohexane) | 0.04 | 100 | 0.25 | MG/KG | 0.0022 U | 0.0022 U | 0.002 U |
| Dieldrin | 0.005 | 0.2 | 0.1 | MG/KG | 0.0022 U | 0.0022 U | 0.002 U |
| Endosulfan Sulfate | 2.4 | 24 | 1000 | MG/KG | 0.0073 U | 0.0073 U | 0.0068 U |
| Endrin | 0.014 | 11 | 0.06 | MG/KG | 0.0073 U | 0.0073 U | 0.0068 U |
| Endrin Aldehyde | -- | -- | -- | MG/KG | 0.0073 U | 0.0073 U | 0.0068 U |
| Endrin Ketone | -- | -- | -- | MG/KG | 0.0073 U | 0.0073 U | 0.0068 U |
| Gamma Bhc (Lindane) | 0.1 | 1.3 | 0.1 | MG/KG | 0.0022 U | 0.0022 U | 0.002 U |
| Heptachlor | 0.042 | 2.1 | 0.38 | MG/KG | 0.0073 U | 0.0073 U | 0.0068 U |
| Heptachlor Epoxide | -- | -- | -- | MG/KG | 0.0073 U | 0.0073 U | 0.0068 U |
| Methoxychlor | -- | -- | -- | MG/KG | 0.0073 U | 0.0073 U | 0.0068 U |
| P,P'-DDD | **0.0033** | 13 | 14 | MG/KG | 0.0073 U | 0.0073 U | 0.0068 U |
| P,P'-DDE | **0.0033** | 8.9 | 17 | MG/KG | 0.0073 U | 0.0073 U | 0.0068 U |
| P,P'-DDT | **0.0033** | 7.9 | 136 | MG/KG | 0.0073 U | 0.0073 U | 0.0068 U |
| Toxaphene | -- | -- | -- | MG/KG | 0.073 U | 0.073 U | 0.068 U |

**Table 5. Summary of Pesticides and Herbicides in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-14 | RXSB-14_WC-B1-3 | RXSB-15 |
| | | | | Sample Date: | 12/11/2023 | 12/11/2023 | 12/08/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 8 - 10 ft | 0 - 2 in |
| | | | | Normal Sample or Field Duplicate: | N | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | | |
| Aldrin | 0.005 | 0.097 | 0.19 | MG/KG | 0.0073 U | 0.0074 U | 0.0079 U |
| Alpha Bhc (Alpha Hexachlorocyclohexane) | 0.02 | 0.48 | 0.02 | MG/KG | 0.0022 U | 0.0022 U | 0.0024 U |
| Alpha Endosulfan | 2.4 | 24 | 102 | MG/KG | 0.0073 U | 0.0074 U | 0.0079 U |
| Beta Bhc (Beta Hexachlorocyclohexane) | 0.036 | 0.36 | 0.09 | MG/KG | 0.0022 U | 0.0022 U | 0.0024 U |
| Beta Endosulfan | 2.4 | 24 | 102 | MG/KG | 0.0073 U | 0.0074 U | 0.0079 U |
| Chlordane (Technical) | -- | -- | -- | MG/KG | 0.073 U | 0.074 U | 0.079 U |
| cis-Chlordane | 0.094 | 4.2 | 2.9 | MG/KG | 0.0073 U | 0.0074 U | 0.0079 U |
| Delta BHC (Delta Hexachlorocyclohexane) | 0.04 | 100 | 0.25 | MG/KG | 0.0022 U | 0.0022 U | 0.0024 U |
| Dieldrin | 0.005 | 0.2 | 0.1 | MG/KG | 0.0022 U | 0.0022 U | 0.0024 U |
| Endosulfan Sulfate | 2.4 | 24 | 1000 | MG/KG | 0.0073 U | 0.0074 U | 0.0079 U |
| Endrin | 0.014 | 11 | 0.06 | MG/KG | 0.0073 U | 0.0074 U | 0.0079 U |
| Endrin Aldehyde | -- | -- | -- | MG/KG | 0.0073 U | 0.0074 U | 0.0079 U |
| Endrin Ketone | -- | -- | -- | MG/KG | 0.0073 U | 0.0074 U | 0.0079 U |
| Gamma Bhc (Lindane) | 0.1 | 1.3 | 0.1 | MG/KG | 0.0022 U | 0.0022 U | 0.0024 U |
| Heptachlor | 0.042 | 2.1 | 0.38 | MG/KG | 0.0073 U | 0.0074 U | 0.0079 U |
| Heptachlor Epoxide | -- | -- | -- | MG/KG | 0.0073 U | 0.0074 U | 0.0079 U |
| Methoxychlor | -- | -- | -- | MG/KG | 0.0073 U | 0.0074 U | 0.0079 U |
| P,P'-DDD | **0.0033** | 13 | 14 | MG/KG | 0.0073 U | 0.0074 U | 0.0079 U |
| P,P'-DDE | **0.0033** | 8.9 | 17 | MG/KG | 0.0023 J | 0.0074 U | 0.0028 J |
| P,P'-DDT | **0.0033** | 7.9 | 136 | MG/KG | **0.0051 J** | 0.0074 U | **0.0062 J** |
| Toxaphene | -- | -- | -- | MG/KG | 0.073 U | 0.074 U | 0.079 U |

**Table 5. Summary of Pesticides and Herbicides in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-15WC-C-3 | RXSB-16 | RXSB-16_WC-D-1 |
| | | | | Sample Date: | 12/12/2023 | 12/07/2023 | 12/07/2023 |
| | | | | Sample Depth (ft or in bls): | 2 - 4 ft | 0 - 2 in | 0 - 2 ft |
| | | | | Normal Sample or Field Duplicate: | N | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | | |
| Aldrin | 0.005 | 0.097 | 0.19 | MG/KG | 0.0068 U | 0.0077 U | 0.007 U |
| Alpha Bhc (Alpha Hexachlorocyclohexane) | 0.02 | 0.48 | 0.02 | MG/KG | 0.002 U | 0.0023 U | 0.0021 U |
| Alpha Endosulfan | 2.4 | 24 | 102 | MG/KG | 0.0068 U | 0.0077 U | 0.007 U |
| Beta Bhc (Beta Hexachlorocyclohexane) | 0.036 | 0.36 | 0.09 | MG/KG | 0.002 U | 0.0023 U | 0.0021 U |
| Beta Endosulfan | 2.4 | 24 | 102 | MG/KG | 0.0068 U | 0.0077 U | 0.007 U |
| Chlordane (Technical) | -- | -- | -- | MG/KG | 0.068 U | 0.077 U | 0.07 U |
| cis-Chlordane | 0.094 | 4.2 | 2.9 | MG/KG | 0.0068 U | 0.0077 U | 0.007 U |
| Delta BHC (Delta Hexachlorocyclohexane) | 0.04 | 100 | 0.25 | MG/KG | 0.002 U | 0.0023 U | 0.0021 U |
| Dieldrin | 0.005 | 0.2 | 0.1 | MG/KG | 0.002 U | 0.0023 U | 0.0021 U |
| Endosulfan Sulfate | 2.4 | 24 | 1000 | MG/KG | 0.0068 U | 0.0077 U | 0.007 U |
| Endrin | 0.014 | 11 | 0.06 | MG/KG | 0.0068 U | 0.0077 U | 0.007 U |
| Endrin Aldehyde | -- | -- | -- | MG/KG | 0.0068 U | 0.0077 U | 0.007 U |
| Endrin Ketone | -- | -- | -- | MG/KG | 0.0068 U | 0.0077 U | 0.007 U |
| Gamma Bhc (Lindane) | 0.1 | 1.3 | 0.1 | MG/KG | 0.002 U | 0.0023 U | 0.0021 U |
| Heptachlor | 0.042 | 2.1 | 0.38 | MG/KG | 0.0068 U | 0.0077 U | 0.007 U |
| Heptachlor Epoxide | -- | -- | -- | MG/KG | 0.0068 U | 0.0077 U | 0.007 U |
| Methoxychlor | -- | -- | -- | MG/KG | 0.0068 U | 0.0077 U | 0.007 U |
| P,P'-DDD | **0.0033** | 13 | 14 | MG/KG | 0.0068 U | 0.0077 U | 0.007 U |
| P,P'-DDE | **0.0033** | 8.9 | 17 | MG/KG | 0.0068 U | 0.0077 U | 0.007 U |
| P,P'-DDT | **0.0033** | 7.9 | 136 | MG/KG | 0.0068 U | 0.0077 U | **0.0062 NJ** |
| Toxaphene | -- | -- | -- | MG/KG | 0.068 U | 0.077 U | 0.07 U |

**Table 5. Summary of Pesticides and Herbicides in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-17 | RXSB-17_WC-D-4 | RXSB-18 |
| | | | | Sample Date: | 12/07/2023 | 12/07/2023 | 12/08/2023 |
| | | | | Sample Depth (ft or in bls): | 0 - 2 in | 8 - 10 ft | 0 - 2 in |
| | | | | Normal Sample or Field Duplicate: | N | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | | | |
| Aldrin | 0.005 | 0.097 | 0.19 | MG/KG | 0.0077 U | 0.0075 U | 0.0076 U |
| Alpha Bhc (Alpha Hexachlorocyclohexane) | 0.02 | 0.48 | 0.02 | MG/KG | 0.0023 U | 0.0022 U | 0.0023 U |
| Alpha Endosulfan | 2.4 | 24 | 102 | MG/KG | 0.0077 U | 0.0075 U | 0.0076 U |
| Beta Bhc (Beta Hexachlorocyclohexane) | 0.036 | 0.36 | 0.09 | MG/KG | 0.0023 U | 0.0022 U | 0.0023 U |
| Beta Endosulfan | 2.4 | 24 | 102 | MG/KG | 0.0077 U | 0.0075 U | 0.0076 U |
| Chlordane (Technical) | -- | -- | -- | MG/KG | 0.077 U | 0.075 U | 0.076 U |
| cis-Chlordane | 0.094 | 4.2 | 2.9 | MG/KG | 0.0077 U | 0.0075 U | 0.0076 U |
| Delta BHC (Delta Hexachlorocyclohexane) | 0.04 | 100 | 0.25 | MG/KG | 0.0023 U | 0.0022 U | 0.0023 U |
| Dieldrin | 0.005 | 0.2 | 0.1 | MG/KG | 0.0023 U | 0.0022 U | 0.0023 U |
| Endosulfan Sulfate | 2.4 | 24 | 1000 | MG/KG | 0.0077 U | 0.0075 U | 0.0076 U |
| Endrin | 0.014 | 11 | 0.06 | MG/KG | 0.0077 U | 0.0075 U | 0.0076 U |
| Endrin Aldehyde | -- | -- | -- | MG/KG | 0.0077 U | 0.0075 U | 0.0076 U |
| Endrin Ketone | -- | -- | -- | MG/KG | 0.0077 U | 0.0075 U | 0.0076 U |
| Gamma Bhc (Lindane) | 0.1 | 1.3 | 0.1 | MG/KG | 0.0023 U | 0.0022 U | 0.0023 U |
| Heptachlor | 0.042 | 2.1 | 0.38 | MG/KG | 0.0077 U | 0.0075 U | 0.0076 U |
| Heptachlor Epoxide | -- | -- | -- | MG/KG | 0.0077 U | 0.0075 U | 0.0076 U |
| Methoxychlor | -- | -- | -- | MG/KG | 0.0077 U | 0.0075 U | 0.0076 U |
| P,P'-DDD | **0.0033** | 13 | 14 | MG/KG | **0.0034 J** | 0.0075 U | 0.0076 U |
| P,P'-DDE | **0.0033** | 8.9 | 17 | MG/KG | **0.007 J** | 0.0075 U | 0.0076 U |
| P,P'-DDT | **0.0033** | 7.9 | 136 | MG/KG | **0.034** | 0.0075 U | **0.018** |
| Toxaphene | -- | -- | -- | MG/KG | 0.077 U | 0.075 U | 0.076 U |

**Table 5. Summary of Pesticides and Herbicides in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-18 | RXSB-19 | RXSB-19 | RXSB-20 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/12/2023 | 12/06/2023 | 12/06/2023 | 12/12/2023 |
| | | | | Sample Depth (ft or in bls): | 6 - 8 ft | 0 - 2 in | 4 - 6 ft | 0 - 2 in |
| | | | | Normal Sample or Field Duplicate: | 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 | | | | |
| Aldrin | 0.005 | 0.097 | 0.19 | MG/KG | 0.0068 U | 0.0076 U | 0.0077 U | 0.0075 U |
| Alpha Bhc (Alpha Hexachlorocyclohexane) | 0.02 | 0.48 | 0.02 | MG/KG | 0.002 U | 0.0023 U | 0.0023 U | 0.0022 U |
| Alpha Endosulfan | 2.4 | 24 | 102 | MG/KG | 0.0068 U | 0.0076 U | 0.0077 U | 0.0075 U |
| Beta Bhc (Beta Hexachlorocyclohexane) | 0.036 | 0.36 | 0.09 | MG/KG | 0.002 U | 0.0023 U | 0.0023 U | 0.0022 U |
| Beta Endosulfan | 2.4 | 24 | 102 | MG/KG | 0.0068 U | 0.0076 U | 0.0077 U | 0.0075 U |
| Chlordane (Technical) | -- | -- | -- | MG/KG | 0.068 U | 0.076 U | 0.077 U | 0.066 J |
| cis-Chlordane | 0.094 | 4.2 | 2.9 | MG/KG | 0.0068 U | 0.0076 U | 0.0077 U | 0.008 J |
| Delta BHC (Delta Hexachlorocyclohexane) | 0.04 | 100 | 0.25 | MG/KG | 0.002 U | 0.0023 U | 0.0023 U | 0.0022 U |
| Dieldrin | 0.005 | 0.2 | 0.1 | MG/KG | 0.002 U | 0.0023 U | 0.0023 U | 0.0022 U |
| Endosulfan Sulfate | 2.4 | 24 | 1000 | MG/KG | 0.0068 U | 0.0076 U | 0.0077 U | 0.0075 U |
| Endrin | 0.014 | 11 | 0.06 | MG/KG | 0.0068 U | 0.0076 U | 0.0077 UT | 0.0075 U |
| Endrin Aldehyde | -- | -- | -- | MG/KG | 0.0068 U | 0.0076 U | 0.0077 U | 0.0075 U |
| Endrin Ketone | -- | -- | -- | MG/KG | 0.0068 U | 0.0076 U | 0.0077 U | 0.0075 U |
| Gamma Bhc (Lindane) | 0.1 | 1.3 | 0.1 | MG/KG | 0.002 U | 0.0023 U | 0.0023 U | 0.0022 U |
| Heptachlor | 0.042 | 2.1 | 0.38 | MG/KG | 0.0068 U | 0.0076 U | 0.0077 U | 0.0075 U |
| Heptachlor Epoxide | -- | -- | -- | MG/KG | 0.0068 U | 0.0076 U | 0.0077 U | 0.0075 U |
| Methoxychlor | -- | -- | -- | MG/KG | 0.0068 U | 0.0076 U | 0.0077 U | 0.0075 U |
| P,P'-DDD | **0.0033** | 13 | 14 | MG/KG | 0.0068 U | 0.0076 U | 0.0077 U | **0.0057 J** |
| P,P'-DDE | **0.0033** | 8.9 | 17 | MG/KG | 0.0068 U | 0.0076 U | 0.0077 U | **0.01** |
| P,P'-DDT | **0.0033** | 7.9 | 136 | MG/KG | 0.0068 U | 0.0076 U | 0.0077 U | **0.049** |
| Toxaphene | -- | -- | -- | MG/KG | 0.068 U | 0.076 U | 0.077 U | 0.075 U |

**Table 5. Summary of Pesticides and Herbicides in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-20 | RXSB-21 | RXSB-21 | RXSB-22 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/13/2023 | 12/12/2023 | 12/13/2023 | 12/12/2023 |
| | | | | Sample Depth (ft or in bls): | 4 - 6 ft | 0 - 2 in | 4 - 6 ft | 0 - 2 ft |
| | | | | Normal Sample or Field Duplicate: | 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 | | | | |
| Aldrin | 0.005 | 0.097 | 0.19 | MG/KG | 0.007 U | 0.077 U | 0.0068 U | 0.0068 U |
| Alpha Bhc (Alpha Hexachlorocyclohexane) | 0.02 | 0.48 | 0.02 | MG/KG | 0.0021 U | 0.023 U | 0.002 U | 0.002 U |
| Alpha Endosulfan | 2.4 | 24 | 102 | MG/KG | 0.007 U | 0.077 U | 0.0068 U | 0.0068 U |
| Beta Bhc (Beta Hexachlorocyclohexane) | 0.036 | 0.36 | 0.09 | MG/KG | 0.0021 U | 0.023 U | 0.002 U | 0.002 U |
| Beta Endosulfan | 2.4 | 24 | 102 | MG/KG | 0.007 U | 0.077 U | 0.0068 U | 0.0068 U |
| Chlordane (Technical) | -- | -- | -- | MG/KG | 0.07 U | 0.77 U | 0.068 U | 0.068 U |
| cis-Chlordane | 0.094 | 4.2 | 2.9 | MG/KG | 0.007 U | 0.077 U | 0.0068 U | 0.0044 J |
| Delta BHC (Delta Hexachlorocyclohexane) | 0.04 | 100 | 0.25 | MG/KG | 0.0021 U | 0.023 U | 0.002 U | 0.002 U |
| Dieldrin | 0.005 | 0.2 | 0.1 | MG/KG | 0.0021 U | 0.023 U | 0.002 U | 0.002 U |
| Endosulfan Sulfate | 2.4 | 24 | 1000 | MG/KG | 0.007 U | 0.077 U | 0.0068 U | 0.0068 U |
| Endrin | 0.014 | 11 | 0.06 | MG/KG | 0.007 U | 0.077 U | 0.0068 U | 0.0068 U |
| Endrin Aldehyde | -- | -- | -- | MG/KG | 0.007 U | 0.077 U | 0.0068 U | 0.0068 U |
| Endrin Ketone | -- | -- | -- | MG/KG | 0.007 U | 0.077 U | 0.0068 U | 0.0068 U |
| Gamma Bhc (Lindane) | 0.1 | 1.3 | 0.1 | MG/KG | 0.0021 U | 0.023 U | 0.002 U | 0.002 U |
| Heptachlor | 0.042 | 2.1 | 0.38 | MG/KG | 0.007 U | 0.077 U | 0.0068 U | 0.0068 U |
| Heptachlor Epoxide | -- | -- | -- | MG/KG | 0.007 U | 0.077 U | 0.0068 U | 0.0068 U |
| Methoxychlor | -- | -- | -- | MG/KG | 0.007 U | 0.077 U | 0.0068 U | 0.0068 U |
| P,P'-DDD | **0.0033** | 13 | 14 | MG/KG | 0.007 U | 0.077 U | 0.0068 U | 0.0068 U |
| P,P'-DDE | **0.0033** | 8.9 | 17 | MG/KG | 0.007 U | **0.29** | 0.0068 U | **0.0051 J** |
| P,P'-DDT | **0.0033** | 7.9 | 136 | MG/KG | 0.007 U | **1.2** | 0.0068 U | **0.034** |
| Toxaphene | -- | -- | -- | MG/KG | 0.07 U | 0.77 U | 0.068 U | 0.068 U |

**Table 5. Summary of Pesticides and Herbicides in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | |
|---|---|---|---|---|---|
| | | | | Sample Designation: | **RXSB-22** |
| | | | | Sample Date: | **12/12/2023** |
| | | | | Sample Depth (ft or in bls): | **0 - 2 in** |
| | | | | Normal Sample or Field Duplicate: | **N** |
| Parameter | NYSDEC Part 375 Unrestricted Use SCO | NYSDEC Part 375 Restricted Residential SCO | NYSDEC Part 375 Protection of Groundwater SCO | Units | |
| Aldrin | 0.005 | 0.097 | 0.19 | MG/KG | 0.0072 U |
| Alpha Bhc (Alpha Hexachlorocyclohexane) | 0.02 | 0.48 | 0.02 | MG/KG | 0.0022 U |
| Alpha Endosulfan | 2.4 | 24 | 102 | MG/KG | 0.0072 U |
| Beta Bhc (Beta Hexachlorocyclohexane) | 0.036 | 0.36 | 0.09 | MG/KG | 0.0022 U |
| Beta Endosulfan | 2.4 | 24 | 102 | MG/KG | 0.0072 U |
| Chlordane (Technical) | -- | -- | -- | MG/KG | 0.072 U |
| cis-Chlordane | 0.094 | 4.2 | 2.9 | MG/KG | 0.0072 U |
| Delta BHC (Delta Hexachlorocyclohexane) | 0.04 | 100 | 0.25 | MG/KG | 0.0022 U |
| Dieldrin | 0.005 | 0.2 | 0.1 | MG/KG | 0.0022 U |
| Endosulfan Sulfate | 2.4 | 24 | 1000 | MG/KG | 0.0072 U |
| Endrin | 0.014 | 11 | 0.06 | MG/KG | 0.0072 U |
| Endrin Aldehyde | -- | -- | -- | MG/KG | 0.0072 U |
| Endrin Ketone | -- | -- | -- | MG/KG | 0.0072 U |
| Gamma Bhc (Lindane) | 0.1 | 1.3 | 0.1 | MG/KG | 0.0022 U |
| Heptachlor | 0.042 | 2.1 | 0.38 | MG/KG | 0.0072 U |
| Heptachlor Epoxide | -- | -- | -- | MG/KG | 0.0072 U |
| Methoxychlor | -- | -- | -- | MG/KG | 0.0072 U |
| P,P'-DDD | **0.0033** | 13 | 14 | MG/KG | 0.0072 U |
| P,P'-DDE | **0.0033** | 8.9 | 17 | MG/KG | **0.0034 J** |
| P,P'-DDT | **0.0033** | 7.9 | 136 | MG/KG | **0.019** |
| Toxaphene | -- | -- | -- | MG/KG | 0.072 U |

**Table 6. Summary of Per- and Polyfluoroalkyl Substances in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-13_WC-A1-3 | RXSB-14_WC-B1-3 |
| | | | | Sample Date: | 12/13/2023 | 12/11/2023 |
| | | | | Sample Depth (ft or in bls): | 6 - 8 ft | 8 - 10 ft |
| | | | | Normal Sample or Field Duplicate: | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use GV | NYSDEC Part 375 Restricted Residential GV | NYSDEC Part 375 Protection of Groundwater GV | Units | | |
| 2-(N-methyl perfluorooctanesulfonamido) acetic acid | -- | -- | -- | UG/KG | 2.29 U | 2.32 U |
| N-ethyl perfluorooctanesulfonamidoacetic acid | -- | -- | -- | UG/KG | 2.29 U | 2.32 U |
| Perfluorobutanesulfonic acid (PFBS) | -- | -- | -- | UG/KG | 0.23 U | 0.23 U |
| Perfluorobutanoic Acid | -- | -- | -- | UG/KG | 0.57 U | 0.58 U |
| Perfluorodecane Sulfonic Acid | -- | -- | -- | UG/KG | 0.23 U | 0.23 U |
| Perfluorodecanoic acid (PFDA) | -- | -- | -- | UG/KG | 0.23 U | 0.23 U |
| Perfluorododecanoic acid (PFDoA) | -- | -- | -- | UG/KG | 0.23 U | 0.23 U |
| Perfluoroheptane Sulfonate (PFHPS) | -- | -- | -- | UG/KG | 0.23 U | 0.23 U |
| Perfluoroheptanoic acid (PFHpA) | -- | -- | -- | UG/KG | 0.23 U | 0.049 J |
| Perfluorohexanesulfonic acid (PFHxS) | -- | -- | -- | UG/KG | 0.23 U | 0.23 U |
| Perfluorohexanoic acid (PFHxA) | -- | -- | -- | UG/KG | 0.23 U | 0.046 J |
| Perfluorononanoic acid (PFNA) | -- | -- | -- | UG/KG | 0.23 U | 0.23 U |
| Perfluorooctane Sulfonamide (FOSA) | -- | -- | -- | UG/KG | 0.23 U | 0.23 U |
| Perfluorooctanesulfonic acid (PFOS) | **0.88** | 44 | 1 | UG/KG | 0.23 U | **0.94 EMPC** |
| Perfluorooctanoic acid (PFOA) | **0.66** | 33 | 0.8 | UG/KG | 0.072 J | 0.4 |
| Perfluoropentanoic Acid (PFPeA) | -- | -- | -- | UG/KG | 0.23 U | 0.23 U |
| Perfluorotetradecanoic acid (PFTA) | -- | -- | -- | UG/KG | 0.23 U | 0.23 U |
| Perfluorotridecanoic Acid (PFTriA) | -- | -- | -- | UG/KG | 0.23 UJ | 0.23 U |
| Perfluoroundecanoic Acid (PFUnA) | -- | -- | -- | UG/KG | 0.23 U | 0.23 U |
| Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) | -- | -- | -- | UG/KG | 2.29 U | 2.32 U |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) | -- | -- | -- | UG/KG | 2.29 U | 2.32 U |

**Table 6. Summary of Per- and Polyfluoroalkyl Substances in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-15-WC-C-3 | RXSB-16_WC-D-1 |
| | | | | Sample Date: | 12/12/2023 | 12/07/2023 |
| | | | | Sample Depth (ft or in bls): | 2 - 4 ft | 0 - 2 ft |
| | | | | Normal Sample or Field Duplicate: | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use GV | NYSDEC Part 375 Restricted Residential GV | NYSDEC Part 375 Protection of Groundwater GV | Units | | |
| 2-(N-methyl perfluorooctanesulfonamido) acetic acid | -- | -- | -- | UG/KG | 2.28 U | 2.23 U |
| N-ethyl perfluorooctanesulfonamidoacetic acid | -- | -- | -- | UG/KG | 2.28 U | 0.24 J |
| Perfluorobutanesulfonic acid (PFBS) | -- | -- | -- | UG/KG | 0.23 U | 0.22 U |
| Perfluorobutanoic Acid | -- | -- | -- | UG/KG | 0.57 U | 0.56 U |
| Perfluorodecane Sulfonic Acid | -- | -- | -- | UG/KG | 0.23 U | 0.25 |
| Perfluorodecanoic acid (PFDA) | -- | -- | -- | UG/KG | 0.23 U | 0.22 |
| Perfluorododecanoic acid (PFDoA) | -- | -- | -- | UG/KG | 0.23 U | 0.14 J |
| Perfluoroheptane Sulfonate (PFHPS) | -- | -- | -- | UG/KG | 0.23 U | 0.22 U |
| Perfluoroheptanoic acid (PFHpA) | -- | -- | -- | UG/KG | 0.046 J | 0.096 J |
| Perfluorohexanesulfonic acid (PFHxS) | -- | -- | -- | UG/KG | 0.23 U | 0.22 U |
| Perfluorohexanoic acid (PFHxA) | -- | -- | -- | UG/KG | 0.055 J | 0.15 J |
| Perfluorononanoic acid (PFNA) | -- | -- | -- | UG/KG | 0.23 U | 0.095 J |
| Perfluorooctane Sulfonamide (FOSA) | -- | -- | -- | UG/KG | 0.23 U | 0.22 U |
| Perfluorooctanesulfonic acid (PFOS) | **0.88** | 44 | 1 | UG/KG | 0.47 J+ | **2.38** |
| Perfluorooctanoic acid (PFOA) | **0.66** | 33 | 0.8 | UG/KG | 0.64 | 0.32 |
| Perfluoropentanoic Acid (PFPeA) | -- | -- | -- | UG/KG | 0.23 U | 0.16 J |
| Perfluorotetradecanoic acid (PFTA) | -- | -- | -- | UG/KG | 0.23 U | 0.057 J |
| Perfluorotridecanoic Acid (PFTriA) | -- | -- | -- | UG/KG | 0.23 U | 0.053 J |
| Perfluoroundecanoic Acid (PFUnA) | -- | -- | -- | UG/KG | 0.23 U | 0.14 J |
| Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) | -- | -- | -- | UG/KG | 2.28 U | 2.23 U |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) | -- | -- | -- | UG/KG | 2.28 U | 2.23 U |

**Table 6. Summary of Per- and Polyfluoroalkyl Substances in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | Sample Designation: | RXSB-17_WC-D-4 | RXSB-18 | RXSB-19 |
|---|---|---|---|---|---|---|---|
| | | | | Sample Date: | 12/07/2023 | 12/12/2023 | 12/06/2023 |
| | | | | Sample Depth (ft or in bls): | 8 - 10 ft | 6 - 8 ft | 4 - 6 ft |
| | | | | Normal Sample or Field Duplicate: | N | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use GV | NYSDEC Part 375 Restricted Residential GV | NYSDEC Part 375 Protection of Groundwater GV | Units | | | |
| 2-(N-methyl perfluorooctanesulfonamido) acetic acid | -- | -- | -- | UG/KG | 2.1 U | 2.39 U | 2.36 U |
| N-ethyl perfluorooctanesulfonamidoacetic acid | -- | -- | -- | UG/KG | 0.1 J | 0.79 J | 2.36 U |
| Perfluorobutanesulfonic acid (PFBS) | -- | -- | -- | UG/KG | 0.21 U | 0.24 U | 0.24 U |
| Perfluorobutanoic Acid | -- | -- | -- | UG/KG | 0.52 U | 0.6 U | 0.59 U |
| Perfluorodecane Sulfonic Acid | -- | -- | -- | UG/KG | 0.21 U | 0.24 U | 0.24 U |
| Perfluorodecanoic acid (PFDA) | -- | -- | -- | UG/KG | 0.21 U | 0.042 J | 0.24 U |
| Perfluorododecanoic acid (PFDoA) | -- | -- | -- | UG/KG | 0.21 U | 0.044 J | 0.24 U |
| Perfluoroheptane Sulfonate (PFHPS) | -- | -- | -- | UG/KG | 0.21 U | 0.24 U | 0.24 U |
| Perfluoroheptanoic acid (PFHpA) | -- | -- | -- | UG/KG | 0.21 U | 0.042 J | 0.19 J |
| Perfluorohexanesulfonic acid (PFHxS) | -- | -- | -- | UG/KG | 0.21 U | 0.24 U | 0.04 EMPC |
| Perfluorohexanoic acid (PFHxA) | -- | -- | -- | UG/KG | 0.21 U | 0.24 U | 0.16 EMPC |
| Perfluorononanoic acid (PFNA) | -- | -- | -- | UG/KG | 0.048 J | 0.033 EMPC | 0.24 U |
| Perfluorooctane Sulfonamide (FOSA) | -- | -- | -- | UG/KG | 0.21 U | 0.24 U | 0.24 U |
| Perfluorooctanesulfonic acid (PFOS) | **0.88** | 44 | 1 | UG/KG | **1.48** | **1.8** | 0.36 |
| Perfluorooctanoic acid (PFOA) | **0.66** | 33 | 0.8 | UG/KG | 0.24 | 0.26 | **0.85** |
| Perfluoropentanoic Acid (PFPeA) | -- | -- | -- | UG/KG | 0.059 J | 0.083 J | 0.24 U |
| Perfluorotetradecanoic acid (PFTA) | -- | -- | -- | UG/KG | 0.21 U | 0.03 J | 0.24 U |
| Perfluorotridecanoic Acid (PFTriA) | -- | -- | -- | UG/KG | 0.21 U | 0.24 U | 0.24 U |
| Perfluoroundecanoic Acid (PFUnA) | -- | -- | -- | UG/KG | 0.21 U | 0.24 U | 0.24 U |
| Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) | -- | -- | -- | UG/KG | 2.1 U | 2.39 U | 2.36 U |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) | -- | -- | -- | UG/KG | 2.1 U | 2.39 U | 2.36 U |

**Table 6. Summary of Per- and Polyfluoroalkyl Substances in Soil, 366 Rockaway Avenue, Brooklyn, New York**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Sample Designation: | RXSB-20 | RXSB-21 | RXSB-22 |
| | | | | Sample Date: | 12/13/2023 | 01/10/2024 | 12/12/2023 |
| | | | | Sample Depth (ft or in bls): | 4 - 6 ft | 4 - 6 ft | 0 - 2 ft |
| | | | | Normal Sample or Field Duplicate: | N | N | N |
| Parameter | NYSDEC Part 375 Unrestricted Use GV | NYSDEC Part 375 Restricted Residential GV | NYSDEC Part 375 Protection of Groundwater GV | Units | | | |
| 2-(N-methyl perfluorooctanesulfonamido) acetic acid | -- | -- | -- | UG/KG | 2.31 U | 2.33 U | 2.08 U |
| N-ethyl perfluorooctanesulfonamidoacetic acid | -- | -- | -- | UG/KG | 2.31 U | 2.33 U | 2.08 U |
| Perfluorobutanesulfonic acid (PFBS) | -- | -- | -- | UG/KG | 0.057 J | 0.23 U | 0.21 U |
| Perfluorobutanoic Acid | -- | -- | -- | UG/KG | 0.58 U | 0.58 U | 0.52 U |
| Perfluorodecane Sulfonic Acid | -- | -- | -- | UG/KG | 0.23 U | 0.23 U | 0.07 J |
| Perfluorodecanoic acid (PFDA) | -- | -- | -- | UG/KG | 0.23 U | 0.23 U | 0.16 J |
| Perfluorododecanoic acid (PFDoA) | -- | -- | -- | UG/KG | 0.23 U | 0.23 U | 0.073 J |
| Perfluoroheptane Sulfonate (PFHPS) | -- | -- | -- | UG/KG | 0.23 U | 0.032 EMPC | 0.21 U |
| Perfluoroheptanoic acid (PFHpA) | -- | -- | -- | UG/KG | 0.12 J | 0.042 J | 0.12 J |
| Perfluorohexanesulfonic acid (PFHxS) | -- | -- | -- | UG/KG | 0.23 U | 0.23 U | 0.21 U |
| Perfluorohexanoic acid (PFHxA) | -- | -- | -- | UG/KG | 0.23 U | 0.095 J | 0.14 J |
| Perfluorononanoic acid (PFNA) | -- | -- | -- | UG/KG | 0.23 U | 0.14 J | 0.075 J |
| Perfluorooctane Sulfonamide (FOSA) | -- | -- | -- | UG/KG | 0.23 U | 0.23 U | 0.21 U |
| Perfluorooctanesulfonic acid (PFOS) | **0.88** | 44 | 1 | UG/KG | **2.26** | **1.4** | **1.29** |
| Perfluorooctanoic acid (PFOA) | **0.66** | 33 | 0.8 | UG/KG | **1.59** | 0.56 | 0.16 J |
| Perfluoropentanoic Acid (PFPeA) | -- | -- | -- | UG/KG | 0.23 U | 0.071 J | 0.17 J |
| Perfluorotetradecanoic acid (PFTA) | -- | -- | -- | UG/KG | 0.23 U | 0.23 U | 0.049 J |
| Perfluorotridecanoic Acid (PFTriA) | -- | -- | -- | UG/KG | 0.23 U | 0.23 U | 0.04 J |
| Perfluoroundecanoic Acid (PFUnA) | -- | -- | -- | UG/KG | 0.23 U | 0.23 U | 0.11 J |
| Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) | -- | -- | -- | UG/KG | 2.31 U | 2.33 U | 2.08 U |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) | -- | -- | -- | UG/KG | 2.31 U | 2.33 U | 2.08 U |

**Table 7. Summary of Volatile Organic Compounds in Groundwater, 366 Rockaway Avenue, Brooklyn, New York**

| | | Sample Designation: | RXMW-1 | RXMW-1 | RXMW-1 | RXMW-2 | RXMW-2 | RXMW-3 |
|---|---|---|---|---|---|---|---|---|
| | | Sample Date: | 11/28/2022 | 12/21/2023 | 12/21/2023 | 11/28/2022 | 12/21/2023 | 12/21/2023 |
| | | Normal Samples or Field Duplicate: | N | N | FD | N | N | N |
| Parameter | NYSDEC Ambient Water Quality Standards and Guidance Values | Units | | | | | | |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 5 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| 1,1-Dichloroethane | 5 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,1-Dichloroethene | 5 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,2-Dichloropropane | 1 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 2-Hexanone | 50 | UG/L | NA | 5 U | 5 U | NA | 5 U | 5 U |
| Acetone | 50 | UG/L | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Benzene | 1 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Bromochloromethane | 5 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| Bromodichloromethane | 50 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| Bromoform | 50 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| Bromomethane | 5 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| Carbon Disulfide | 60 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| Carbon Tetrachloride | 5 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Chlorobenzene | 5 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Chloroethane | 5 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| Chloroform | 7 | UG/L | **8** | 0.54 J | 0.5 J | 0.46 J | 0.91 J | 1.8 |
| Chloromethane | 5 | UG/L | NA | 1.1 J+ | 1 U | NA | 1 U | 1 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |

**Table 7. Summary of Volatile Organic Compounds in Groundwater, 366 Rockaway Avenue, Brooklyn, New York**

| | | Sample Designation: | RXMW-1 | RXMW-1 | RXMW-1 | RXMW-2 | RXMW-2 | RXMW-3 |
|---|---|---|---|---|---|---|---|---|
| | | Sample Date: | 11/28/2022 | 12/21/2023 | 12/21/2023 | 11/28/2022 | 12/21/2023 | 12/21/2023 |
| | | Normal Samples or Field Duplicate: | N | N | FD | N | N | N |
| Parameter | NYSDEC Ambient Water Quality Standards and Guidance Values | Units | | | | | | |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| Cyclohexane | -- | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| Dibromochloromethane | 50 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| Dichlorodifluoromethane | 5 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| Ethylbenzene | 5 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| m,p-Xylene | 5 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| Methyl Acetate | -- | UG/L | NA | 5 U | 5 U | NA | 5 U | 5 U |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | 5 U | 5 U | NA | 5 U | 5 U |
| Methylcyclohexane | -- | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| Methylene Chloride | 5 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| N-Butylbenzene | 5 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| N-Propylbenzene | 5 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| Sec-Butylbenzene | 5 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Styrene | 5 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| T-Butylbenzene | 5 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 1 U | 1 U | 1 U | 0.26 J | 1 U | 1 U |
| Toluene | 5 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| Trichloroethylene (TCE) | 5 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Trichlorofluoromethane | 5 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| Vinyl Chloride | 2 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Xylenes | 5 | UG/L | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |

**Table 8. Summary of Semivolatile Organic Compounds in Groundwater, 366 Rockaway Avenue, Brooklyn, New York**

| | | Sample Designation: | RXMW-1 | RXMW-1 | RXMW-1 | RXMW-2 | RXMW-2 | RXMW-3 |
|---|---|---|---|---|---|---|---|---|
| | | Sample Date: | 11/28/2022 | 12/21/2023 | 12/21/2023 | 11/28/2022 | 12/21/2023 | 12/21/2023 |
| | | Normal Samples or Field Duplicate: | N | N | FD | N | N | N |
| Parameter | NYSDEC Ambient Water Quality Standards and Guidance Values | Units | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | 5 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 0.2 UT | 0.2 U | 0.2 U | 0.2 UT | 0.2 U | 0.2 U |
| 2,3,4,6-Tetrachlorophenol | -- | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 2,4,5-Trichlorophenol | -- | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 2,4,6-Trichlorophenol | -- | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 2,4-Dichlorophenol | 5 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 2,4-Dimethylphenol | 50 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 2,4-Dinitrophenol | 10 | UG/L | NA | 40 U | 40 U | NA | 40 U | 40 U |
| 2,4-Dinitrotoluene | 5 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 2,6-Dinitrotoluene | 5 | UG/L | NA | 2 U | 2 U | NA | 2 U | 2 U |
| 2-Chloronaphthalene | 10 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 2-Chlorophenol | -- | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 2-Methylnaphthalene | -- | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 2-Methylphenol (O-Cresol) | -- | UG/L | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 2-Nitroaniline | 5 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 2-Nitrophenol | -- | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 3,3'-Dichlorobenzidine | 5 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 3-Nitroaniline | 5 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 4,6-Dinitro-2-Methylphenol | -- | UG/L | NA | 20 U | 20 U | NA | 20 U | 20 U |
| 4-Bromophenyl Phenyl Ether | -- | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 4-Chloro-3-Methylphenol | -- | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 4-Chloroaniline | 5 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 4-Chlorophenyl Phenyl Ether | -- | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 4-Methylphenol (P-Cresol) | -- | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 4-Nitroaniline | 5 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| 4-Nitrophenol | -- | UG/L | NA | 20 U | 20 U | NA | 20 U | 20 U |
| Acenaphthene | 20 | UG/L | 10 UT | 10 U | 10 U | 10 UT | 10 U | 10 U |
| Acenaphthylene | 20 | UG/L | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Acetophenone | -- | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| Anthracene | 50 | UG/L | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Atrazine | 7.5 | UG/L | NA | 2 UT | 2 UT | NA | 2 UT | 2 UT |

**Table 8. Summary of Semivolatile Organic Compounds in Groundwater, 366 Rockaway Avenue, Brooklyn, New York**

| | | Sample Designation: | RXMW-1 | RXMW-1 | RXMW-1 | RXMW-2 | RXMW-2 | RXMW-3 |
|---|---|---|---|---|---|---|---|---|
| | | Sample Date: | 11/28/2022 | 12/21/2023 | 12/21/2023 | 11/28/2022 | 12/21/2023 | 12/21/2023 |
| | | Normal Samples or Field Duplicate: | N | N | FD | N | N | N |
| Parameter | NYSDEC Ambient Water Quality Standards and Guidance Values | Units | | | | | | |
| Benzaldehyde | -- | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| Benzo(A)Anthracene | 0.002 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Benzo(A)Pyrene | 0 | UG/L | 1 U | 1 UT | 1 UT | 1 U | 1 UT | 1 UT |
| Benzo(B)Fluoranthene | 0.002 | UG/L | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| Benzo(G,H,I)Perylene | -- | UG/L | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Benzo(K)Fluoranthene | 0.002 | UG/L | 1 UT | 1 U | 1 U | 1 UT | 1 U | 1 U |
| Benzyl Butyl Phthalate | 50 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| Biphenyl (Diphenyl) | 5 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| Bis(2-Chloroethoxy) Methane | 5 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) | 1 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| Bis(2-Chloroisopropyl) Ether | 5 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| Bis(2-Ethylhexyl) Phthalate | 5 | UG/L | NA | 2 U | 2 U | NA | 2 U | 1 J |
| Caprolactam | -- | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| Carbazole | -- | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| Chrysene | 0.002 | UG/L | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| Cresols, M & P | -- | UG/L | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Dibenz(A,H)Anthracene | -- | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Dibenzofuran | -- | UG/L | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Diethyl Phthalate | 50 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| Dimethyl Phthalate | 50 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| Di-N-Butyl Phthalate | 50 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| Di-N-Octylphthalate | -- | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| Fluoranthene | 50 | UG/L | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Fluorene | 50 | UG/L | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Hexachlorobenzene | 0.04 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| Hexachlorocyclopentadiene | 5 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| Hexachloroethane | 5 | UG/L | NA | 2 U | 2 U | NA | 2 U | 2 U |
| Indeno(1,2,3-C,D)Pyrene | 0.002 | UG/L | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| Isophorone | 50 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| Naphthalene | 10 | UG/L | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |

**Table 8. Summary of Semivolatile Organic Compounds in Groundwater, 366 Rockaway Avenue, Brooklyn, New York**

| | | Sample Designation: | RXMW-1 | RXMW-1 | RXMW-1 | RXMW-2 | RXMW-2 | RXMW-3 |
|---|---|---|---|---|---|---|---|---|
| | | Sample Date: | 11/28/2022 | 12/21/2023 | 12/21/2023 | 11/28/2022 | 12/21/2023 | 12/21/2023 |
| | | Normal Samples or Field Duplicate: | N | N | FD | N | N | N |
| Parameter | NYSDEC Ambient Water Quality Standards and Guidance Values | Units | | | | | | |
| Nitrobenzene | 0.4 | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| N-Nitrosodi-N-Propylamine | -- | UG/L | NA | 1 U | 1 U | NA | 1 U | 1 U |
| N-Nitrosodiphenylamine | 50 | UG/L | NA | 10 U | 10 U | NA | 10 U | 10 U |
| Pentachlorophenol | 1 | UG/L | 20 U | 20 U | 20 U | 20 U | 20 U | 20 U |
| Phenanthrene | 50 | UG/L | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Phenol | 1 | UG/L | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Pyrene | 50 | UG/L | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |

**Table 9. Summary of Metals in Groundwater, 366 Rockaway Avenue, Brooklyn, New York**

| | | Sample Designation: | RXMW-1 | RXMW-1 | RXMW-1 | RXMW-1 | RXMW-1 | RXMW-1 | RXMW-2 | RXMW-2 | RXMW-2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sample Date: | 11/28/2022 | 11/28/2022 | 12/21/2023 | 12/21/2023 | 12/21/2023 | 12/21/2023 | 11/28/2022 | 11/28/2022 | 12/21/2023 |
| | | Normal Samples or Field Duplicate: | Total | Dissolved | N | N | FD | FD | Total | Dissolved | N |
| | | Total or Dissolved: | N | N | Total | Dissolved | Total | Dissolved | N | N | Total |
| Parameter | NYSDEC Ambient Water Quality Standards and Guidance Values | Units | | | | | | | | | |
| Aluminum | -- | UG/L | NA | NA | 694 | 40 UJ | 420 | 40 UJ | NA | NA | 589 |
| Antimony | 3 | UG/L | NA | NA | 2 U | 2 UJ | 2 U | 2 UJ | NA | NA | 2 U |
| Arsenic | 25 | UG/L | 2 U | 2 U | 2 U | 2 UJ | 2 U | 2 UJ | 2 U | 2 U | 2 U |
| Barium | 1000 | UG/L | 47.2 | 39.4 | 48.2 | 42.1 J- | 46.1 | 42.9 J- | 114 | 113 | 75 |
| Beryllium | 3 | UG/L | 0.8 U | 0.8 U | 0.8 U | 0.8 UJ | 0.8 U | 0.8 UJ | 0.8 U | 0.8 U | 0.8 U |
| Cadmium | 5 | UG/L | 2 U | 2 U | 2 U | 2 UJ | 2 U | 2 UJ | 2 U | 2 U | 2 U |
| Calcium | -- | UG/L | NA | NA | 153000 | 149000 J- | 152000 | 151000 J- | NA | NA | 49500 |
| Chromium, Total | 50 | UG/L | 3 J | 4 U | 2.5 J | 4 UJ | 1.8 J | 4 UJ | 4 U | 4 U | 1.9 J |
| Cobalt | -- | UG/L | NA | NA | 1 J | 4 UJ | 0.59 J | 4 UJ | NA | NA | 1 J |
| Copper | 200 | UG/L | 4 U | 4 U | 2.4 J | 4 UJ | 4 U | 4 UJ | 4 U | 4 U | 4 U |
| Cyanide | 200 | UG/L | NA | NA | 10 U | NA | 10 U | NA | NA | NA | 10 U |
| Iron | **300** | UG/L | NA | NA | **1330 J** | 120 UJ | **684 J** | 120 UJ | NA | NA | **1200** |
| Lead | 25 | UG/L | 1.2 | 1.2 U | 1.1 J | 1.2 UJ | 0.63 J | 1.2 UJ | 1.2 U | 1.2 U | 0.78 J |
| Magnesium | 35000 | UG/L | NA | NA | 23800 | 23400 J- | 24000 | 23700 J- | NA | NA | 7000 |
| Manganese | 300 | UG/L | 105 | 11.9 | 98.4 J | 3.1 J- | 51.6 J | 3.5 J- | 33.1 | 82.8 | 84.9 |
| Mercury | 0.7 | UG/L | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U |
| Nickel | 100 | UG/L | 4.4 | 4 U | 5.5 | 4 UJ | 3.4 J | 4 UJ | 15.1 | 13.6 | 7.8 |
| Potassium | -- | UG/L | NA | NA | 9910 | 9680 J- | 9770 | 9760 J- | NA | NA | 3800 |
| Selenium | **10** | UG/L | 7.4 | 7.6 | **10.4** | **11 J-** | **10.9** | **11.3 J-** | 3.4 | 3.7 | 1.4 J |
| Silver | 50 | UG/L | 2 U | 2 U | 2 U | 2 UJ | 2 U | 2 UJ | 2 U | 2 U | 2 U |
| Sodium | **20000** | UG/L | NA | NA | **35700** | **39000 J-** | **36600** | **35400 J-** | NA | NA | **163000** |
| Thallium | 0.5 | UG/L | NA | NA | 0.8 U | 0.8 UJ | 0.8 U | 0.8 UJ | NA | NA | 0.8 U |
| Vanadium | -- | UG/L | NA | NA | 2 J | 4 UJ | 1.3 J | 4 UJ | NA | NA | 1.7 J |
| Zinc | 2000 | UG/L | 6.9 J | 9 J | 13.6 J | 14.1 J- | 11 J | 13.6 J- | 16 U | 16 U | 7 J |

**Table 9. Summary of Metals in Groundwater, 366 Rockaway Avenue, Brooklyn, New York**

| | | Sample Designation: | RXMW-2 | RXMW-3 | RXMW-3 |
|---|---|---|---|---|---|
| | | Sample Date: | 12/21/2023 | 12/21/2023 | 12/21/2023 |
| | | Normal Samples or Field Duplicate: | N | N | N |
| | | Total or Dissolved: | Dissolved | Total | Dissolved |
| Parameter | NYSDEC Ambient Water Quality Standards and Guidance Values | Units | | | |
| Aluminum | -- | UG/L | 40 UJ | 89.8 | 40 UJ |
| Antimony | 3 | UG/L | 2 UJ | 2 U | 2 UJ |
| Arsenic | 25 | UG/L | 2 UJ | 2 U | 2 UJ |
| Barium | 1000 | UG/L | 69.6 J- | 48.8 | 47.9 J- |
| Beryllium | 3 | UG/L | 0.8 UJ | 0.8 U | 0.8 UJ |
| Cadmium | 5 | UG/L | 2 UJ | 2 U | 2 UJ |
| Calcium | -- | UG/L | 51500 J- | 192000 | 189000 J- |
| Chromium, Total | 50 | UG/L | 4 UJ | 1.7 J | 4 UJ |
| Cobalt | -- | UG/L | 4 UJ | 4 U | 4 UJ |
| Copper | 200 | UG/L | 4 UJ | 4 U | 4 UJ |
| Cyanide | 200 | UG/L | NA | 10 U | NA |
| Iron | **300** | UG/L | 120 UJ | 142 | 120 UJ |
| Lead | 25 | UG/L | 1.2 UJ | 1.2 U | 1.2 UJ |
| Magnesium | 35000 | UG/L | 7230 J- | 30100 | 28900 J- |
| Manganese | 300 | UG/L | 1.7 J- | 24 | 14.8 J- |
| Mercury | 0.7 | UG/L | 0.2 UJ | 0.2 U | 0.2 UJ |
| Nickel | 100 | UG/L | 3.6 J- | 7 | 5.6 J- |
| Potassium | -- | UG/L | 3690 J- | 7990 | 7790 J- |
| Selenium | **10** | UG/L | 1.3 J- | 4.7 | 5 J- |
| Silver | 50 | UG/L | 2 UJ | 2 U | 2 UJ |
| Sodium | **20000** | UG/L | **159000 J-** | **41200** | **39300 J-** |
| Thallium | 0.5 | UG/L | 0.8 UJ | 0.8 U | 0.8 UJ |
| Vanadium | -- | UG/L | 1.2 J- | 4 U | 1.2 J- |
| Zinc | 2000 | UG/L | 15.4 J- | 16 U | 19.2 J- |

**Table 10. Summary of Polychlorinated Biphenyls in Groundwater, 366 Rockaway Avenue, Brooklyn, New York**

| | | Sample Designation: | RXMW-1 | RXMW-1 | RXMW-2 | RXMW-3 |
|---|---|---|---|---|---|---|
| | | Sample Date: | 12/21/2023 | 12/21/2023 | 12/21/2023 | 12/21/2023 |
| | | Normal Samples or Field Duplicate: | N | FD | N | N |
| Parameter | NYSDEC Ambient Water Quality Standards and Guidance Values | Units | | | | |
| PCB-1016 (Aroclor 1016) | -- | UG/L | 0.4 U | 0.4 U | 0.4 U | 0.4 U |
| PCB-1221 (Aroclor 1221) | -- | UG/L | 0.4 U | 0.4 U | 0.4 U | 0.4 U |
| PCB-1232 (Aroclor 1232) | -- | UG/L | 0.4 U | 0.4 U | 0.4 U | 0.4 U |
| PCB-1242 (Aroclor 1242) | -- | UG/L | 0.4 U | 0.4 U | 0.4 U | 0.4 U |
| PCB-1248 (Aroclor 1248) | -- | UG/L | 0.4 U | 0.4 U | 0.4 U | 0.4 U |
| PCB-1254 (Aroclor 1254) | -- | UG/L | 0.4 U | 0.4 U | 0.4 U | 0.4 U |
| PCB-1260 (Aroclor 1260) | -- | UG/L | 0.4 U | 0.4 U | 0.4 U | 0.4 U |
| PCB-1262 (Aroclor 1262) | -- | UG/L | 0.4 U | 0.4 U | 0.4 U | 0.4 U |
| PCB-1268 (Aroclor 1268) | -- | UG/L | 0.4 U | 0.4 U | 0.4 U | 0.4 U |
| Polychlorinated Biphenyl (PCBs) | 0.09 | UG/L | 0.4 U | 0.4 U | 0.4 U | 0.4 U |

**Table 11. Summary of Pesticides and Herbicides in Groundwater, 366 Rockaway Avenue, Brooklyn, New York**

| | | Sample Designation: | RXMW-1 | RXMW-1 | RXMW-2 | RXMW-3 |
|---|---|---|---|---|---|---|
| | | Sample Date: | 12/21/2023 | 12/21/2023 | 12/21/2023 | 12/21/2023 |
| | | Normal Samples or Field Duplicate: | N | FD | N | N |
| Parameter | NYSDEC Ambient Water Quality Standards and Guidance Values | Units | | | | |
| Aldrin | 0 | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Alpha Bhc (Alpha Hexachlorocyclohexane) | 0.01 | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Alpha Endosulfan | -- | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Beta Bhc (Beta Hexachlorocyclohexane) | 0.04 | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Beta Endosulfan | -- | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Chlordane (Technical) | -- | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| cis-Chlordane | -- | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Delta BHC (Delta Hexachlorocyclohexane) | 0.04 | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Dieldrin | 0.004 | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Endosulfan Sulfate | -- | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Endrin | 0 | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Endrin Aldehyde | 5 | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Endrin Ketone | 5 | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Gamma Bhc (Lindane) | 0.05 | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Heptachlor | 0.04 | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Heptachlor Epoxide | 0.03 | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Methoxychlor | 35 | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| P,P'-DDD | 0.3 | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| P,P'-DDE | 0.2 | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| P,P'-DDT | 0.2 | UG/L | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Toxaphene | 0.06 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U |

**Table 12. Summary of Per- and Polyfluoroalkyl Substances in Groundwater, 366 Rockaway Avenue, Brooklyn, New York**

| | | Sample Designation: | RXMW-1 | RXMW-1 | RXMW-2 | RXMW-3 |
|---|---|---|---|---|---|---|
| | | Sample Date: | 12/21/2023 | 12/21/2023 | 12/21/2023 | 12/21/2023 |
| | | Normal Samples or Field Duplicate: | N | FD | N | N |
| Parameter | NYSDEC Ambient Water Quality Guidance Values | Units | | | | |
| 2-(N-methyl perfluorooctanesulfonamido) acetic acid | -- | NG/L | 4.5 U | 4.75 U | 4.69 U | 4.49 U |
| N-ethyl perfluorooctanesulfonamidoacetic acid | -- | NG/L | 4.5 U | 4.75 U | 4.69 U | 4.49 U |
| Perfluorobutanesulfonic acid (PFBS) | -- | NG/L | 7.32 | 7.41 | 4.38 | 13.2 |
| Perfluorobutanoic Acid | -- | NG/L | 9.95 | 9.32 | 5.7 | 9.89 |
| Perfluorodecane Sulfonic Acid | -- | NG/L | 1.8 U | 1.9 U | 1.88 U | 1.8 U |
| Perfluorodecanoic acid (PFDA) | -- | NG/L | 1.8 U | 1.9 U | 0.43 J | 0.36 J |
| Perfluorododecanoic acid (PFDoA) | -- | NG/L | 1.8 U | 1.9 U | 1.88 U | 1.8 U |
| Perfluoroheptane Sulfonate (PFHPS) | -- | NG/L | 0.48 J | 0.46 J | 0.58 J | 5.19 |
| Perfluoroheptanoic acid (PFHpA) | -- | NG/L | 17.9 | 17.8 | 7.92 | 16.2 |
| Perfluorohexanesulfonic acid (PFHxS) | -- | NG/L | 14.7 | 13.6 | 3 | 28.9 |
| Perfluorohexanoic acid (PFHxA) | -- | NG/L | 18.7 | 17.7 | 11.2 | 21.2 |
| Perfluorononanoic acid (PFNA) | -- | NG/L | 0.34 J | 0.39 J | 1.72 J | 3.46 |
| Perfluorooctane Sulfonamide (FOSA) | -- | NG/L | 1.8 U | 1.9 U | 1.88 U | 1.8 U |
| Perfluorooctanesulfonic acid (PFOS) | **2.7** | NG/L | **4.69** | **4.51 EMPC** | **23.3** | **127 EMPC** |
| Perfluorooctanoic acid (PFOA) | **6.7** | NG/L | **93.3** | **90.6** | **53.6** | **93.7** |
| Perfluoropentanoic Acid (PFPeA) | -- | NG/L | 16.4 | 15.8 | 12.8 | 21 |
| Perfluorotetradecanoic acid (PFTA) | -- | NG/L | 1.8 U | 1.9 U | 1.88 U | 1.8 U |
| Perfluorotridecanoic Acid (PFTriA) | -- | NG/L | 1.8 U | 1.9 U | 1.88 U | 1.8 U |
| Perfluoroundecanoic Acid (PFUnA) | -- | NG/L | 1.8 U | 1.9 U | 1.88 U | 1.8 U |
| Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) | -- | NG/L | 1.8 U | 1.9 U | 1.88 U | 1.8 U |
| Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) | -- | NG/L | 4.5 U | 4.75 U | 3.07 J | 3.48 J |

**Table 13. Summary of Volatile Organic Compounds in Soil Vapor, 366 Rockaway Avenue, Brooklyn, New York**

| Sample Designation: | | RXSV-1 | RXSV-2 | RXSV-3 | RXSV-4 |
|---|---|---|---|---|---|
| Sample Date: | | 11/28/2022 | 11/28/2022 | 11/28/2022 | 11/28/2022 |
| Parameter | Units | | | | |
| 1,1,1-Trichloroethane (TCA) | UG/M3 | 3.3 U | **0.25 J** | 1.1 U | **0.32 J** |
| 1,1,2,2-Tetrachloroethane | UG/M3 | 4.1 U | 1.4 U | 1.4 U | 1.4 U |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | UG/M3 | 4.6 U | 1.5 U | **0.48 J** | 1.5 U |
| 1,1,2-Trichloroethane | UG/M3 | 3.3 U | 1.1 U | 1.1 U | 1.1 U |
| 1,1-Dichloroethane | UG/M3 | 2.4 U | 0.81 U | 0.81 U | 0.81 U |
| 1,1-Dichloroethene | UG/M3 | 0.6 U | 0.2 U | 0.2 U | 0.2 U |
| 1,2,4-Trichlorobenzene | UG/M3 | 11 U | 3.7 U | 3.7 U | 3.7 U |
| 1,2,4-Trimethylbenzene | UG/M3 | **6** | **4.7** | **8.6** | **8.1** |
| 1,2-Dibromoethane (Ethylene Dibromide) | UG/M3 | 4.6 U | 1.5 U | 1.5 U | 1.5 U |
| 1,2-Dichlorobenzene | UG/M3 | 3.6 U | 1.2 U | 1.2 U | 1.2 U |
| 1,2-Dichloroethane | UG/M3 | 2.4 U | 0.81 U | 0.81 U | 0.81 U |
| 1,2-Dichloropropane | UG/M3 | 2.8 U | 0.92 U | 0.92 U | 0.92 U |
| 1,2-Dichlorotetrafluoroethane | UG/M3 | 4.2 U | **2.4** | 1.4 U | 1.4 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | UG/M3 | **2.2 J** | **2.2** | **3.2** | **3.1** |
| 1,3-Butadiene | UG/M3 | **0.52 J** | **2.3** | **2.7** | **0.66** |
| 1,3-Dichlorobenzene | UG/M3 | 3.6 U | 1.2 U | 1.2 U | 1.2 U |
| 1,4-Dichlorobenzene | UG/M3 | 3.6 U | 1.2 U | 1.2 U | 1.2 U |
| 1,4-Dioxane (P-Dioxane) | UG/M3 | 54 U | 18 U | 18 U | 18 U |
| 2,2,4-Trimethylpentane | UG/M3 | **16** | **23** | **17** | **27** |
| 2-Chlorotoluene | UG/M3 | **1 J** | 1 U | 1 U | 1 U |
| 2-Hexanone | UG/M3 | **40** | **100** | **56** | **72** |
| 4-Ethyltoluene | UG/M3 | **2.2 J** | **2.4** | **3.2** | **3.3** |
| Acetone | UG/M3 | **100** | **210 DJ** | **100 DJ** | **120 D** |
| Allyl Chloride (3-Chloropropene) | UG/M3 | 4.7 U | 1.6 U | 1.6 U | 1.6 U |
| Benzene | UG/M3 | **7.2** | **11** | **10** | **13** |
| Benzyl Chloride | UG/M3 | 3.1 U | 1 U | 1 U | 1 U |
| Bromodichloromethane | UG/M3 | 4 U | 1.3 U | 1.3 U | 1.3 U |
| Bromoform | UG/M3 | 6.2 U | 2.1 U | 2.1 U | 2.1 U |
| Bromomethane | UG/M3 | 2.3 U | 0.78 U | 0.78 U | 0.78 U |
| Butane | UG/M3 | **20** | **68** | **73** | **26** |
| Carbon Disulfide | UG/M3 | **2.6 J** | **12** | **29** | **0.53 J** |
| Carbon Tetrachloride | UG/M3 | 0.66 U | 0.22 U | **0.16 J** | **0.26** |
| Chlorobenzene | UG/M3 | 2.8 U | 0.92 U | 0.92 U | 0.92 U |
| Chlorodifluoromethane | UG/M3 | 5.3 U | 1.8 U | **0.9 J** | **0.44 J** |
| Chloroethane | UG/M3 | 4 U | 1.3 U | 1.3 U | 1.3 U |
| Chloroform | UG/M3 | **2 J** | **14** | **2.5** | **0.91 J** |
| Chloromethane | UG/M3 | 3.1 U | **0.83 J** | **0.51 J** | **0.33 J** |

**Table 13. Summary of Volatile Organic Compounds in Soil Vapor, 366 Rockaway Avenue, Brooklyn, New York**

| Sample Designation: | | RXSV-1 | RXSV-2 | RXSV-3 | RXSV-4 |
|---|---|---|---|---|---|
| Sample Date: | | 11/28/2022 | 11/28/2022 | 11/28/2022 | 11/28/2022 |
| Parameter | Units | | | | |
| Cis-1,2-Dichloroethylene | UG/M3 | 0.6 U | 0.2 U | 0.2 U | 0.2 U |
| Cis-1,3-Dichloropropene | UG/M3 | 2.7 U | 0.91 U | 0.91 U | 0.91 U |
| Cyclohexane | UG/M3 | **19** | **27** | **21** | **32** |
| Cymene | UG/M3 | 3.3 U | 1.1 U | 1.1 U | 1.1 U |
| Dibromochloromethane | UG/M3 | 5.1 U | 1.7 U | 1.7 U | 1.7 U |
| Dichlorodifluoromethane | UG/M3 | **5.6 J** | **2.4 J** | **2.1 J** | **6.3** |
| Ethylbenzene | UG/M3 | **13** | **20** | **18** | **21** |
| Hexachlorobutadiene | UG/M3 | 6.4 U | 2.1 U | 2.1 U | 2.1 U |
| Isopropanol | UG/M3 | 37 U | 12 U | 12 U | 12 U |
| Isopropylbenzene (Cumene) | UG/M3 | **0.9 J** | **1.4** | **1.4** | **1.5** |
| m,p-Xylene | UG/M3 | **44** | **64** | **62** | **72** |
| Methyl Ethyl Ketone (2-Butanone) | UG/M3 | **520 D** | **1100 D** | **570 D** | **680 D** |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | UG/M3 | 6.1 U | 2 U | 2 U | 2 U |
| Methyl Methacrylate | UG/M3 | 6.1 U | 2 U | 2 U | 2 U |
| Methylene Chloride | UG/M3 | 5.2 U | 1.7 U | 1.7 U | **12** |
| Naphthalene | UG/M3 | 7.9 U | 2.6 U | 2.6 U | 2.6 U |
| N-Butylbenzene | UG/M3 | 3.3 U | 1.1 U | 1.1 U | 1.1 U |
| N-Heptane | UG/M3 | **25** | **42** | **30** | **39** |
| N-Hexane | UG/M3 | **32** | **54** | **37** | **51** |
| N-Propylbenzene | UG/M3 | **1.9 J** | **2.3** | **2.8** | **3** |
| O-Xylene (1,2-Dimethylbenzene) | UG/M3 | **17** | **25** | **24** | **28** |
| Sec-Butylbenzene | UG/M3 | 3.3 U | 1.1 U | 1.1 U | **0.25 J** |
| Styrene | UG/M3 | 2.6 U | **0.96** | 0.85 U | 0.85 U |
| T-Butylbenzene | UG/M3 | 3.3 U | 1.1 U | 1.1 U | 1.1 U |
| Tert-Butyl Alcohol | UG/M3 | 45 U | 15 U | 15 U | 15 U |
| Tert-Butyl Methyl Ether | UG/M3 | 2.2 U | 0.72 U | 0.72 U | 0.72 U |
| Tetrachloroethylene (PCE) | UG/M3 | **0.83 J** | **2.9** | **1.8** | **3** |
| Tetrahydrofuran | UG/M3 | 44 U | 15 U | 15 U | 15 U |
| Toluene | UG/M3 | **68** | **93** | **83** | **110** |
| Trans-1,2-Dichloroethene | UG/M3 | 2.4 U | 0.79 U | 0.79 U | 0.79 U |
| Trans-1,3-Dichloropropene | UG/M3 | 2.7 U | 0.91 U | 0.91 U | 0.91 U |
| Trichloroethylene (TCE) | UG/M3 | 0.6 U | **23** | **0.38** | **0.19 J** |
| Trichlorofluoromethane | UG/M3 | **2.7 J** | **6** | **1.2** | **2.9** |
| Vinyl Bromide | UG/M3 | 2.6 U | 0.87 U | 0.87 U | 0.87 U |
| Vinyl Chloride | UG/M3 | 0.6 U | 0.2 U | 0.2 U | 0.2 U |

**Table 14. Summary of Groundwater Gauging Data, 366 Rockaway Avenue, Brooklyn, New York**

| Monitoring Well Identification | Gauging Date | Land Surface Elevation (ft NAVD 88) | Top of Casing Elevation (ft NAVD 88) | Depth to Water (ft btoc) | Water Table Elevation (ft NAVD 88) |
|---|---|---|---|---|---|
| RXMW-1 | 12/21/2023 | 48.4 | 48.18 | 39.50 | 8.68 |
| RXMW-2 | 12/21/2023 | 47.39 | 47.01 | 38.20 | 8.81 |
| RXMW-3 | 12/21/2023 | 47.6 | 47.28 | 39.40 | 7.88 |

Notes:
ft - feet
NAVD 88 - North American Vertical Datum of 1988
btoc - below top of casing

**Table 15. Remedial Cost Estimate for Remedial Alternative 1**
**Track 1 Unrestricted Use Cleanup**

| Item | Description | Estimated Quantity | Unit | | Unit Price | | Cost |
|---|---|---|---|---|---|---|---|
| **Capital Costs** | | | | | | | |
| **Pre-Design Investigation (PDI)** | | | | | | | |
| | PDI Work Plan Preparation and Implementation | 1 | LS | $ | 100,000 | $ | 100,000 |
| **SITE PREPARATION** | | | | | | | |
| | Mobilization/Demobilization | 1 | LS | $ | 50,000 | $ | 50,000 |
| | Perimeter Fencing, Site Security, Temporary Facilities, Soil Staging Area, Decon Pad | 1 | LS | $ | 96,000 | $ | 96,000 |
| | Clearing and Grubbing/Erosion and Sediment Controls | 1 | LS | $ | 55,800 | $ | 55,800 |
| | Permitting | 1 | LS | $ | 50,000 | $ | 50,000 |
| **EXCAVATION/BACKFILL** | | | | | | | |
| | Support of Excavation | 23,934 | SF | $ | 55 | $ | 1,316,370 |
| | Soil Excavation and Handling | 13,000 | CY | $ | 50 | $ | 650,000 |
| | Import Certified-Clean Fill | 4,000 | CY | $ | 30 | $ | 120,000 |
| | Backfill and Compaction of Certified Clean Fill | 4,000 | CY | $ | 15 | $ | 60,000 |
| | Surveying | 1 | LS | $ | 20,000 | $ | 20,000 |
| **TRANSPORTATION/DISPOSAL** | | | | | | | |
| | Non-Hazardous Solid Waste Transportation and Disposal | 19,500 | tons | $ | 75 | $ | 1,462,500 |
| **FIELD SUPERVISION/CONSULTING FEES** | | | | | | | |
| | Backfill Sampling for VOCs | 13 | each | $ | 75 | $ | 975 |
| | Backfill Sampling for all other parameters | 5 | each | $ | 1,200 | $ | 6,000 |
| | Documentation Sampling and Validation | 70 | each | $ | 2,100 | $ | 147,000 |
| | Air Monitoring, Field Oversight, Engineering Support/Disposal Coordination | 26 | week | $ | 8,000 | $ | 208,000 |
| **BCP Reporting/Record Keeping** | | | | | | | |
| | Remedial Investigation Work Plan, Remedial Investigation Report, Remedial Action Work Plan | 1 | LS | $ | 70,000 | $ | 70,000 |
| | Remedial Design | 1 | LS | $ | 50,000 | $ | 50,000 |
| | Monthly Reporting, Fact Sheets, Citizen Participation Activities | 24 | Month | $ | 6,500 | $ | 156,000 |
| | Final Engineering Report | 1 | LS | $ | 40,000 | $ | 40,000 |
| | Contractor General Conditions | 10% | | | | $ | 388,067 |
| | Subtotal | | | | | $ | 4,658,645 |
| | Contingency | 20% | | | | $ | 931,729 |
| | Sales Tax | | | | | $ | 344,409 |
| | **TOTAL CAPITAL COST** | | | | | **$** | **6,322,850** |

**Table 16. Remedial Cost Estimate for Remedial Alternative 2**
**Combination Track 1 Unrestricted Use/Track 4 Restricted Cleanup**

| Item | Description | Estimated Quantity | Unit | Unit Price | Cost |
|---|---|---|---|---|---|
| **Capital Costs** | | | | | |
| **Pre-Design Investigation (PDI)** | | | | | |
| | PDI Work Plan Preparation and Implementation | 1 | LS | $ 100,000 | $ 100,000 |
| **SITE PREPARATION** | | | | | |
| | Mobilization/Demobilization | 1 | LS | $ 50,000 | $ 50,000 |
| | Perimeter Fencing, Site Security, Temporary Facilities, Soil Staging Area, Decon Pad | 1 | LS | $ 96,000 | $ 96,000 |
| | Clearing and Grubbing/Erosion and Sediment Controls | 1 | LS | $ 55,800 | $ 55,800 |
| | Permitting | 1 | LS | $ 50,000 | $ 50,000 |
| **EXCAVATION/BACKFILL** | | | | | |
| | Support of Excavation | 23,934 | SF | $ 55 | $ 1,316,370 |
| | Soil Excavation and Handling | 11,500 | CY | $ 50 | $ 575,000 |
| | Import Certified-Clean Fill | 1,000 | CY | $ 30 | $ 30,000 |
| | Backfill and Compaction of Certified Clean Fill | 1,000 | CY | $ 15 | $ 15,000 |
| | Surveying | 1 | LS | $ 20,000 | $ 20,000 |
| **TRANSPORTATION/DISPOSAL** | | | | | |
| | Non-Hazardous Solid Waste Transportation and Disposal | 17,250 | tons | $ 75 | $ 1,293,750 |
| **FIELD SUPERVISION/CONSULTING FEES** | | | | | |
| | Backfill Sampling for VOCs | 7 | each | $ 75 | $ 525 |
| | Backfill Sampling for all other parameters | 2 | each | $ 1,200 | $ 2,400 |
| | Documentation Sampling and Validation | 60 | each | $ 2,100 | $ 126,000 |
| | Air Monitoring, Field Oversight, Engineering Support/Disposal Coordination | 36 | week | $ 8,000 | $ 288,000 |
| **BCP Reporting/Record Keeping** | | | | | |
| | Remedial Investigation Work Plan, Remedial Investigation Report, Remedial Action Work Pla | 1 | LS | $ 70,000 | $ 70,000 |
| | Remedial Design | 1 | LS | $ 50,000 | $ 50,000 |
| | Monthly Reporting, Fact Sheets, Citizen Participation Activities | 24 | Month | $ 6,500 | $ 156,000 |
| | Final Engineering Report | 1 | LS | $ 40,000 | $ 40,000 |
| | Site Management Plan | 1 | LS | $ 40,000 | $ 40,000 |
| | Contractor General Conditions | 10% | | | $ 350,192 |
| | Subtotal | | | | $ 4,374,845 |
| | Contingency | 20% | | | $ 874,969 |
| | Sales Tax | | | | $ 310,795 |
| | **TOTAL CAPITAL COST** | | | | **$ 5,910,801** |
| | | | | | |
| **Annual Operation, Maintenance and Monitoring (OM&M) Cost** | | | | | |
| | Annual Inspection of Engineering Controls and Periodic Review Report | 1 | LS | $ 5,000 | $ 5,000 |
| | Maintenance of Site Cover System | 1 | LS | $ 2,000 | $ 2,000 |
| | **ANNUAL OM&M COST** | | | | **$ 7,000** |

**Table 17. Remedial Cost Estimate for Remedial Alternative 3**
**Combination Track 2/Track 4 Restricted Residential Cleanup**

| Item | Description | Estimated Quantity | Unit | Unit Price | Cost |
|---|---|---|---|---|---|
| **Capital Costs** | | | | | |
| **Pre-Design Investigation (PDI)** | | | | | |
| | PDI Work Plan Preparation and Implementation | 1 | LS | $ 100,000 | $ 100,000 |
| **SITE PREPARATION** | | | | | |
| | Mobilization/Demobilization | 1 | LS | $ 50,000 | $ 50,000 |
| | Perimeter Fencing, Site Security, Temporary Facilities, Soil Staging Area, Decon Pad | 1 | LS | $ 96,000 | $ 96,000 |
| | Clearing and Grubbing/Erosion and Sediment Controls | 1 | LS | $ 55,800 | $ 55,800 |
| | Permitting | 1 | LS | $ 50,000 | $ 50,000 |
| **EXCAVATION/BACKFILL** | | | | | |
| | Support of Excavation | 23,934 | SF | $ 55 | $ 1,316,370 |
| | Soil Excavation and Handling | 9,500 | CY | $ 50 | $ 475,000 |
| | Import Certified-Clean Fill | 1,000 | CY | $ 30 | $ 30,000 |
| | Backfill and Compaction of Certified Clean Fill | 1,000 | CY | $ 15 | $ 15,000 |
| | Surveying | 1 | LS | $ 20,000 | $ 20,000 |
| **TRANSPORTATION/DISPOSAL** | | | | | |
| | Non-Hazardous Solid Waste Transportation and Disposal | 14,250 | tons | $ 75 | $ 1,068,750 |
| **FIELD SUPERVISION/CONSULTING FEES** | | | | | |
| | Backfill Sampling for VOCs | 7 | each | $ 75 | $ 525 |
| | Backfill Sampling for all other parameters | 2 | each | $ 1,200 | $ 2,400 |
| | Documentation Sampling and Validation | 60 | each | $ 2,100 | $ 126,000 |
| | Air Monitoring, Field Oversight, Engineering Support/Disposal Coordination | 36 | week | $ 8,000 | $ 288,000 |
| **BCP Reporting/Record Keeping** | | | | | |
| | Remedial Investigation Work Plan, Remedial Investigation Report, Remedial Action Work Pla | 1 | LS | $ 70,000 | $ 70,000 |
| | Remedial Design | 1 | LS | $ 50,000 | $ 50,000 |
| | Monthly Reporting, Fact Sheets, Citizen Participation Activities | 24 | Month | $ 6,500 | $ 156,000 |
| | Final Engineering Report | 1 | LS | $ 40,000 | $ 40,000 |
| | Site Management Plan | 1 | LS | $ 40,000 | $ 40,000 |
| | Contractor General Conditions | 10% | | | $ 317,692 |
| | Subtotal | | | | $ 4,049,845 |
| | Contingency | 20% | | | $ 809,969 |
| | Sales Tax | | | | $ 281,952 |
| | **TOTAL CAPITAL COST** | | | | **$ 5,459,458** |
| | | | | | |
| **Annual Operation, Maintenance and Monitoring (OM&M) Cost** | | | | | |
| | Annual Inspection of Engineering Controls and Periodic Review Report | 1 | LS | $ 5,000 | $ 5,000 |
| | Maintenance of Site Cover System | 1 | LS | $ 2,000 | $ 2,000 |
| | **ANNUAL OM&M COST** | | | | **$ 7,000** |

**Table 18. List of Required Permits**
**366 Rockaway Avenue Cabinet Furniture Manufacturing**
**Brooklyn, New York**

| Regulatory Agency | Permit |
|---|---|
| **NYCCPC** | Uniform Land Use Review Procedure (ULURP) |
| **NYCDEP** | Sewer Certification and Sewer Permit (for new building connection) |
| **NYCDEP** | Fire Hydrant Permit |
| **NYCDOB** | New Building (NB) Permit |
| **NYCDOB** | Fence Permit |
| **NYCDOB** | Foundation/Earthwork Permit |
| **NYCDOB** | Builder's Paving Plan |
| **NYCDOB** | Underground Plumbing Permit |
| **NYCDOB** | Underground Electrical Permit |
| **NYCDOT** | Lane Closures, Sidewalk Crossings |

Note: This list only accounts for permits required from the street level and below. Permits for aboveground portions of the building are not listed.
NYCCPC - New York City City Planning Commission
NYCDEP - New York City Department of Environmental Protection
NYCDOB - New York City Department of Buildings
NYCDOT - New York City Department of Transportation

**Table 19. Track 1 and Track 2/4 Soil Cleanup Objectives**
**366 Rockaway Avenue, Brooklyn, New York**

| Parameter | Track 1 Soil Cleanup Objectives[1] | Track 2/4 Soil Cleanup Objectives[2] |
|---|---|---|
| **Volatile Organic Compounds (Concentrations in mg/kg)** | | |
| 1,1,1-Trichloroethane | 0.68 | 100 |
| 1,1-Dichloroethane | 0.27 | 26 |
| 1,1-Dichloroethene | 0.33 | 100 |
| 1,2,4-Trimethylbenzene | 3.6 | 52 |
| 1,3,5-Trimethylbenzene | 8.4 | 52 |
| 1,2-Dichlorobenzene | 1.1 | 100 |
| 1,2-Dichloroethane | 0.02 | 3.1 |
| 1,3-Dichlorobenzene | 2.4 | 49 |
| 1,4-Dichlorobenzene | 1.8 | 13 |
| 2-Butanone (MEK) | 0.12 | 100 |
| Acetone | 0.05 | 100 |
| Benzene | 0.06 | 4.8 |
| n-Butylbenzene | 12 | 100 |
| Carbon tetrachloride | 0.76 | 2.4 |
| Chlorobenzene | 1.1 | 100 |
| Chloroform | 0.37 | 49 |
| cis-1,2-Dichloroethene | 0.25 | 100 |
| Ethylbenzene | 1 | 41 |
| Methylene chloride | 0.05 | 100 |
| MTBE | 0.93 | 100 |
| n-Propylbenzene | 3.9 | 100 |
| sec-Butylbenzene | 11 | 100 |
| tert-Butylbenzene | 5.9 | 100 |
| Tetrachloroethene | 1.3 | 19 |
| Toluene | 0.7 | 100 |
| trans-1,2-Dichloroethene | 0.19 | 100 |
| Trichloroethene | 0.47 | 21 |
| Vinyl chloride | 0.02 | 0.9 |
| Xylenes (total) | 0.26 | 100 |
| **Semivolatile Organic Compounds (Concentrations in mg/kg)** | | |
| 1,4-Dioxane | 0.1 | 13 |
| 2-Methylphenol | 0.33 | 100 |
| 3&4-Methylphenol | 0.33 | 100 |
| Acenaphthene | 20 | 100 |
| Acenaphthylene | 100 | 100 |
| Anthracene | 100 | 100 |
| Benzo[a]anthracene | 1 | 1 |
| Benzo[a]pyrene | 1 | 1 |
| Benzo[b]fluoranthene | 1 | 1 |
| Benzo[g,h,i]perylene | 100 | 100 |
| Benzo[k]fluoranthene | 0.8 | 3.9 |
| Chrysene | 1 | 3.9 |
| Dibenzo[a,h]anthracene | 0.33 | 0.33 |
| Dibenzofuran | 7 | 59 |
| Fluoranthene | 100 | 100 |
| Fluorene | 3 | 100 |
| Hexachlorobenzene | 0.33 | 1.2 |
| Indeno[1,2,3-cd]pyrene | 0.5 | 0.5 |
| Naphthalene | 12 | 100 |
| Pentachlorophenol | 0.8 | 6.7 |
| Phenanthrene | 100 | 100 |
| Phenol | 0.33 | 100 |
| Pyrene | 100 | 100 |
| **Metals (Concentrations in mg/kg)** | | |
| Arsenic | 13 | 16 |
| Barium | 350 | 400 |

**Table 19. Track 1 and Track 2/4 Soil Cleanup Objectives**
**366 Rockaway Avenue, Brooklyn, New York**

| Parameter | Track 1 Soil Cleanup Objectives[1] | Track 2/4 Soil Cleanup Objectives[2] |
|---|---|---|
| Beryllium | 7.2 | 72 |
| Cadmium | 2.5 | 4.3 |
| Chromium, Hexavalent | 1 | 110 |
| Chromium | 30 | 180 |
| Copper | 50 | 270 |
| Cyanide, Total | 27 | 27 |
| Lead | 63 | 400 |
| Manganese | 1600 | 2000 |
| Mercury | 0.18 | 0.81 |
| Nickel | 30 | 310 |
| Selenium | 3.9 | 180 |
| Silver | 2 | 180 |
| Zinc | 109 | 10000 |
| **Pesticides (Concentrations in mg/kg)** | | |
| 4,4'-DDD | 0.0033 | 13 |
| 4,4'-DDE | 0.0033 | 8.9 |
| 4,4'-DDT | 0.0033 | 7.9 |
| Aldrin | 0.005 | 0.097 |
| alpha-BHC | 0.02 | 0.48 |
| alpha-Chlordane | 0.094 | 4.2 |
| beta-BHC | 0.036 | 0.36 |
| delta-BHC | 0.04 | 100 |
| Dieldrin | 0.005 | 0.2 |
| Endosulfan I | 2.4 | 24 |
| Endosulfan II | 2.4 | 24 |
| Endosulfan sulfate | 2.4 | 24 |
| Endrin | 0.014 | 11 |
| gamma-BHC (Lindane) | 0.1 | 1.3 |
| Heptachlor | 0.042 | 2.1 |
| **Total Polychlorinated Biphenyls (Concentrations in mg/kg)** | | |
| Total Polychlorinated Biphenyls | 0.1 | 1 |
| **Perfluorinated Alkyl Acids (Concentrations in µg/kg)** | | |
| Perfluorobutanesulfonic acid | -- | -- |
| Perfluoropentansulfonic acid | -- | -- |
| Perfluorohexanesulfonic acid | -- | -- |
| Perfluoroheptanesulfonic acid | -- | -- |
| Perfluorononanesulfonic acid | -- | -- |
| Perfluorodecanesulfonic acid | -- | -- |
| Perfluorododecanesulfonic acid | -- | -- |
| Perfluorobutanoics acid | -- | -- |
| Perfluoropentanoic acid | -- | -- |
| Perfluorohexanoic acid | -- | -- |
| Perfluoroheptanoic acid | -- | -- |
| Perfluorooctanoic acid | -- | -- |
| Perfluorononanoic acid | -- | -- |
| Perfluorodecanoic acid | -- | -- |
| Perfluoroundecanoic acid | -- | -- |
| Perfluorododecanoic acid | -- | -- |
| Perfluorotridecanoic acid | -- | -- |
| Perfluorotetradecanoic acid | -- | -- |
| Perfluorooctanesulfonic acid | 0.88 [3] | 44 3 |
| Perfluorooctanoic acid | 0.66 [3] | 33 3 |
| 1H,1H, 2H, 2H-Perfluorohexane sulfonic acid | -- | -- |
| 1H,1H, 2H, 2H-Perfluorooctane sulfonic acid | -- | -- |

**Table 19. Track 1 and Track 2/4 Soil Cleanup Objectives**
**366 Rockaway Avenue, Brooklyn, New York**

| Parameter | Track 1 Soil Cleanup Objectives[1] | Track 2/4 Soil Cleanup Objectives[2] |
|---|---|---|
| 1H,1H, 2H, 2H-Perfluorodecane sulfonic acid | -- | -- |
| Perfluroroctanesulfonamide | -- | -- |
| N-methyl perfluorooctanesulfonamide | -- | -- |
| N-ethyl perfluorooctanesulfonamide | -- | -- |
| N-methyl perfluorooctanesulfonamidoacetic acid | -- | -- |
| N-ethyl perfluorooctanesulfonamidoacetic acid | -- | -- |
| N-methyl perfluorooctanesulfonamidoethanol | -- | -- |
| N-ethyl perfluorooctanesulfonamidoethanol | -- | -- |
| Hexafluoropropylene oxide dimer acid | -- | -- |
| 4,8-Dioxa-3H-perfluorononanoic acid | -- | -- |
| Perfluoro-3-methoxypropanoic acid | -- | -- |
| Perfluoro-4-methoxybutanoic acid | -- | -- |
| Nonafluoro-3,6-dioxaheptanoic acid | -- | -- |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid | -- | -- |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid | -- | -- |
| Perfluoro(2-ethoxyethane)sulfonic acid | -- | -- |
| 3-Perfluoropropyl propanoic acid | -- | -- |
| 2H,2H,3H,3H-Perfluorooctanoic acid | -- | -- |

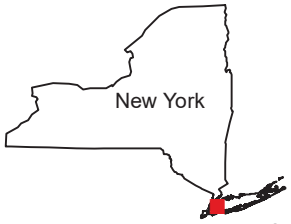
1- Backfill soil cleanup objectives for the Track 1 remedy are the NYSDEC Part 375 Unrestricted Use SCOs.

2- Backfill soil cleanup objectives for the Track 2/4 remedy are the NYSDEC Part 375 Restricted Residential Use SCOs.
3 - SCOs for PFOS and PFOA not yet final. The guidance values shown are to be used until SCOs are in effect. Soil collected for onsite reuse will not be analyzed for Perfluorinated Alkyl Acids.
µg/kg - Micrograms per kilogram
mg/kg - Milligrams per kilogram
NYSDEC - New York State Department of Environmental Conservation
SCOs - Soil Cleanup Objectives

# FIGURES

1. Site Location Map
2. Site Plan
3. Site Plan with Sampling Locations
4. Tax Map
5. Surrounding Land Use
6. Soil Sample Exceedances
7. Groundwater Sample Exceedances
8. Soil Vapor Exceedances
9. Cross-Sections A-A' and B-B'
10. Groundwater Contour Map, December 21, 2023
11. Remedial Alternative 1: Track 1 Unrestricted Use Cleanup
12. Remedial Alternative 2: Track 1 Unrestricted Use/Track 4 Restricted Residential Use Cleanup
13. Remedial Alternative 3: Track 2 Restricted Residential Use Cleanup
14. Truck Routes

QUADRANGLE LOCATION




N

2,000 0 2,000'

Title:

# SITE LOCATION MAP

366 ROCKAWAY AVENUE
BROOKLYN, NEW YORK

Prepared for:

BROWNSVILLE ARTS OWNER LLC

ROUX

| | | |
|---|---|---|
| Compiled by: B.H. | Date: 03/12/24 | FIGURE |
| Prepared by: M.S.R. | Scale: AS SHOWN | 1 |
| Project Mgr: L.D. | Project: 3868.0001Y000 | |
| File: 3868.0001Y112.1.mxd | | |

V:\GIS\PROJECTS\3868\0001Y112\3868.0001Y112.1.MXD

LEGEND

- BCP SITE BOUNDARY
- PROPOSED BUILDING FIRST FLOOR OUTLINE
- PROPOSED BASEMENT AREA
- THEATER AREA

50' 0 50'

Title:

**SITE PLAN**

366 ROCKAWAY AVENUE
BROOKLYN, NEW YORK

Prepared for:

BROWNSVILLE ARTS OWNER LLC

ROUX

| | | |
|---|---|---|
| Compiled by: M.O. | Date: 10/9/2024 | FIGURE |
| Prepared by: B.H.C. | Scale: AS SHOWN | 2 |
| Project Mgr: L.D. | Project: 3868.0001Y000 | |
| File: 3868.0001Y112.01.DWG | | |

V:\CAD\PROJECTS\3868Y\0001Y112\3868.0001Y112.01.DWG BCICIO

LEGEND

- LOCATION OF SOIL BORING (REMEDIAL INVESTIGATION, ROUX, 2023/2024)
- LOCATION OF SOIL BORING/PERMENANT MONITORING WELL (REMEDIAL INVESTIGATION, ROUX, 2023/2024)
- LOCATION OF PREVIOUSLY INSTALLED SOIL BORING (SUPPLEMENTAL INVESTIGATION, ROUX, 2022)
- LOCATION OF PREVIOUSLY INSTALLED PERMANENT MONITORING WELL (SUPPLEMENTAL INVESTIGATION, ROUX, 2022)
- LOCATION OF PREVIOUSLY INSTALLED SOIL VAPOR SAMPLE (SUPPLEMENTAL INVESTIGATION, ROUX, 2022)
- LOCATION OF PREVIOUSLY COMPLETED SOIL BORING (PHASE II ESA, VHB, 2020)
- LOCATION OF EXISTING MONITORING WELL PREVIOUSLY SAMPLED (PHASE II ESA, VHB, 2020)
- LOCATION OF PREVIOUSLY COMPLETED SOIL VAPOR SAMPLE (PHASE II ESA, VHB, 2020)
- LOCATION OF PREVIOUSLY COMPLETED SOIL BORING/TEMPORARY MONITORING WELL(PHASE II ESA, VHB, 2020)
- BCP SITE BOUNDARY
- PROPOSED BUILDING FIRST FLOOR OUTLINE
- PROPOSED BASEMENT AREA
- THEATER AREA

NOTE

1. LOCATIONS OF PREVIOUS COMPLETED SOIL BORINGS, MONITORING WELLS, AND SOIL VAPOR POINTS REPORTED IN PHASE II ENVIRONMENTAL SITE ASSESSMENT, PREPARED BY VHB ON NOVEMBER 12, 2020.
2. LOCATIONS OF PREVIOUSLY COMPLETED SOIL BORINGS, MONITORING WELLS, AND SOIL VAPOR POINTS COMPLETED DURING THE SUPPLEMENTAL INVESTIGATION, COMPLETED BY ROUX IN NOVEMBER 2022.
3. PROPOSED BUILDING FOOTPRINT OUTLINES BASED ON DRAWINGS A-100 AND A-101.00, DATED MARCH 9, 2023 PREPARED BY AUFGANG ARCHITECTS.

50' 0 50'

Title:

# SITE PLAN WITH SAMPLE LOCATIONS

366 ROCKAWAY AVENUE
BROOKLYN, NEW YORK

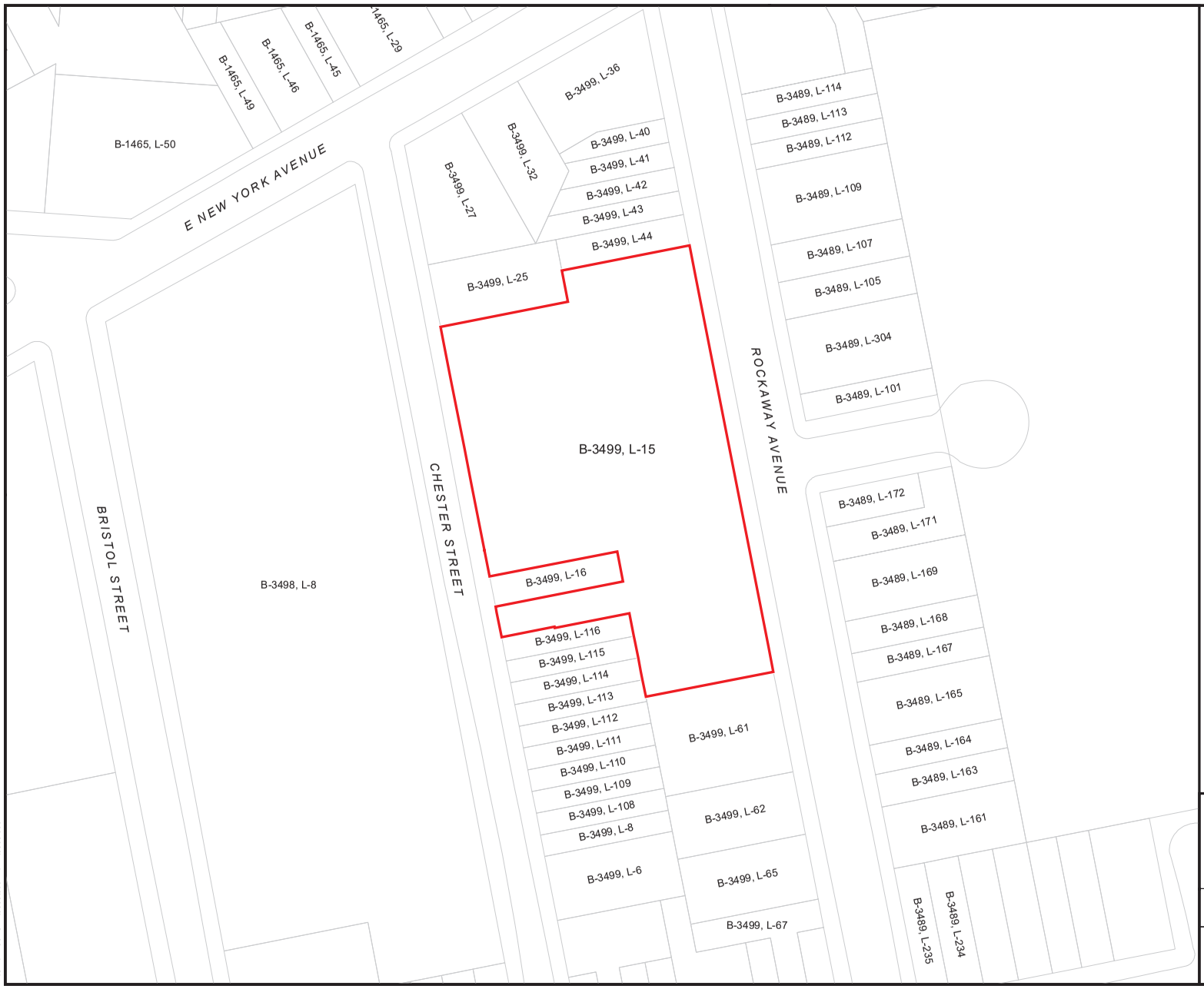
Prepared for:

BROWNSVILLE ARTS OWNER LLC

ROUX

| | | |
|---|---|---|
| Compiled by: M.O. | Date: 10/9/2024 | FIGURE |
| Prepared by: B.H.C. | Scale: AS SHOWN | 3 |
| Project Mgr: L.D. | Project: 3868.0001Y000 | |
| File: 3868.0001Y112.01.DWG | | |

V:\CAD\PROJECTS\3868Y\0001Y112\3868.0001Y112.01.DWG BCICIO




N

LEGEND

BCP SITE BOUNDARY

B-3499 BLOCK
L-15 LOT

NOTE

1. SOURCE - NEW YORK CITY DEPARTMENT OF INFORMATION AND TECHNOLOGY

75 0 75'

Title:

# TAX MAP

366 ROCKAWAY AVENUE
BROOKLYN, NEW YORK

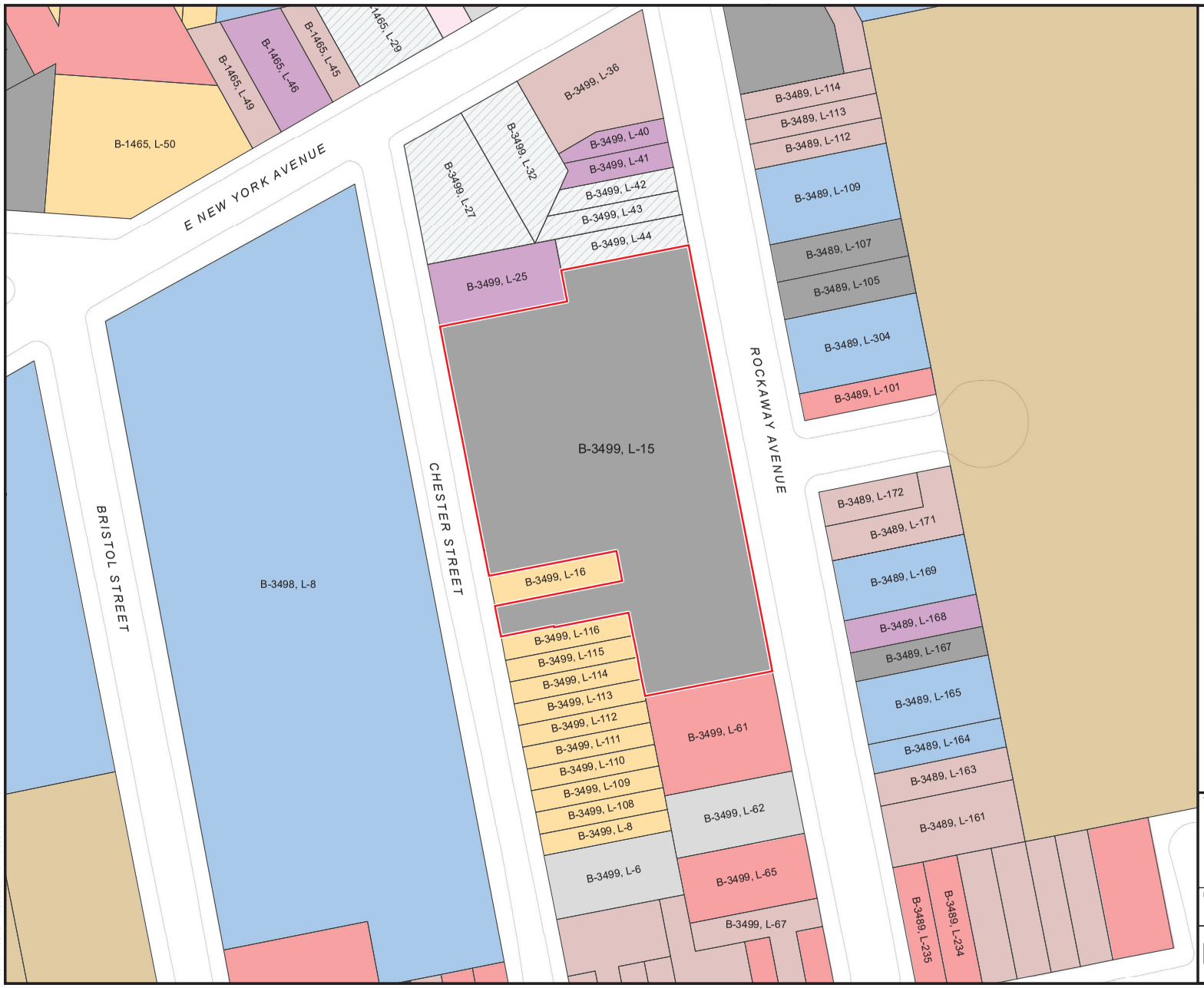
Prepared for:

BROWNSVILLE ARTS OWNER LLC

ROUX

| | | |
|---|---|---|
| Compiled by: B.H. | Date: 10/09/24 | FIGURE |
| Prepared by: M.S.R. | Scale: AS SHOWN | 4 |
| Project Mgr: L.D. | Project: 3868.0001Y000 | |
| File: 3868.0001Y112.4.mxd | | |

V:\GIS\PROJECTS\3868\0001Y\112\3868.0001Y112.4.MXD




N

LEGEND

- BCP SITE BOUNDARY
- ALL OTHERS OR NO DATA
- ONE & TWO FAMILY BUILDINGS
- MULTI-FAMILY WALK-UP BUILDINGS
- MULTI-FAMILY ELEVATOR BUILDINGS
- MIXED COMMERCIAL & RESIDENTIAL BUILDINGS
- COMMERCIAL & OFFICE BUILDINGS
- INDUSTRIAL & MANUFACTURING
- TRANSPORATION & UTILITY
- PUBLIC FACILITIES & INSTITUTIONS
- OPEN SPACE & OUTDOOR RECREATION
- PARKING FACILITIES
- VACANT LAND

B-3499 BLOCK
L-15 LOT

NOTE

1. PARCEL SOURCE - NEW YORK CITY DEPARTMENT OF INFORMATION AND TECHNOLOGY
2. LAND USE SOURCE - NEW YORK CITY DEPARTMENT OF PLANNING

75 0 75'

Title:

# SURROUNDING LAND USE

366 ROCKAWAY AVENUE
BROOKLYN, NEW YORK

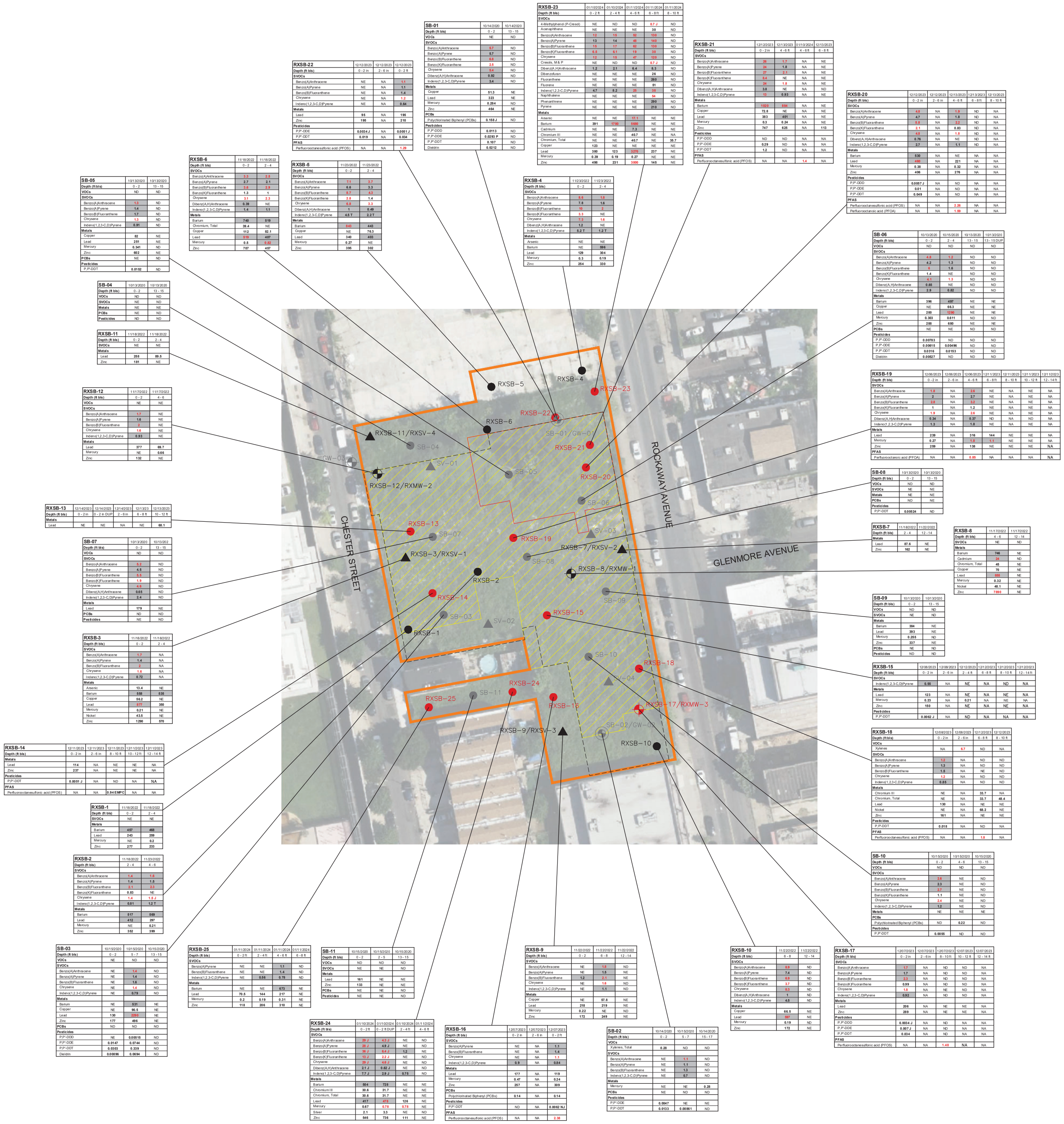
Prepared for:

BROWNSVILLE ARTS OWNER LLC

ROUX

| | | |
|---|---|---|
| Compiled by: B.H. | Date: 10/09/24 | FIGURE |
| Prepared by: M.S.R. | Scale: AS SHOWN | 5 |
| Project Mgr: L.D. | Project: 3868.0001Y000 | |
| File: 3868.0001Y112.5.mxd | | |

V:\GIS\PROJECTS\3868\0001Y\112\3868.0001Y112.5.MXD




LEGEND

- LOCATION OF SOIL BORING (REMEDIAL INVESTIGATION, ROUX, 2023/2024)
- LOCATION OF SOIL BORING/PERMENANT MONITORING WELL (REMEDIAL INVESTIGATION, ROUX, 2023/2024)
- LOCATION OF PREVIOUSLY INSTALLED SOIL BORING (SUPPLEMENTAL INVESTIGATION, ROUX, 2022)
- LOCATION OF PREVIOUSLY INSTALLED PERMANENT MONITORING WELL (SUPPLEMENTAL INVESTIGATION, ROUX, 2022)
- LOCATION OF PREVIOUSLY INSTALLED SOIL VAPOR SAMPLE (SUPPLEMENTAL INVESTIGATION, ROUX, 2022)
- LOCATION OF PREVIOUSLY COMPLETED SOIL BORING (PHASE II ESA, VHB, 2020)
- LOCATION OF EXISTING MONITORING WELL PREVIOUSLY SAMPLED (PHASE II ESA, VHB, 2020)
- LOCATION OF PREVIOUSLY COMPLETED SOIL VAPOR SAMPLE (PHASE II ESA, VHB, 2020)
- LOCATION OF PREVIOUSLY COMPLETED SOIL BORING/TEMPORARY MONITORING WELL(PHASE II ESA, VHB, 2020)
- BCP SITE BOUNDARY
- PROPOSED BUILDING FIRST FLOOR OUTLINE
- PROPOSED BASEMENT AREA
- THEATER AREA

TYPICAL DATA BOX INFORMATION

SAMPLE ID# → RXSB-1; SAMPLE DATE → 11/18/2022; SAMPLE DEPTH → Depth (ft bls); ANALYTES (Metals: Barium, Lead, Mercury, Zinc); CONCENTRATIONS

| RXSB-1 | 11/18/2022 | 11/18/2022 |
|---|---|---|
| Depth (ft bls) | 0 - 2 | 2 - 4 |
| Metals | | |
| Barium | 457 | 468 |
| Lead | 243 | 259 |
| Mercury | NE | 0.2 |
| Zinc | 277 | 233 |

| 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 | | | | |
| Xylenes | 0.26 | 100 | 1.6 | mg/kg |
| SVOCs | | | | |
| 4-Methylphenol (P-Cresol) | 0.33 | 100 | 0.33 | mg/kg |
| Acenaphthene | 20 | 100 | 98 | mg/kg |
| 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 |
| Cresols, M & P | 0.33 | 100 | 0.33 | mg/kg |
| Dibenz(A,H)Anthracene | 0.33 | 0.33 | 1000 | mg/kg |
| Dibenzofuran | 7 | 59 | 210 | mg/kg |
| Fluoranthene | 100 | 100 | 1000 | mg/kg |
| Fluorene | 30 | 100 | 386 | mg/kg |
| Indeno(1,2,3-C,D)Pyrene | 0.5 | 0.5 | 8.2 | mg/kg |
| Naphthalene | 12 | 100 | 12 | mg/kg |
| Phenanthrene | 100 | 100 | 1000 | mg/kg |
| Pyrene | 100 | 100 | 1000 | 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 III | 30 | 180 | -- | 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 |
| Nickel | 30 | 310 | 130 | 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 | | | | |
| 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 | 1 | µg/kg |
| Perfluorooctanoic acid (PFOA) | 0.66 | 33 | 0.8 | µg/kg |

mg/kg - Milligrams per kilogram
µg/kg - Micrograms per kilogram
NYSDEC - New York State Department of Environmental Conservation
-- - No NYSDEC Part 375 Soil Cleanup Objectives available
J - Estimated value
NJ - Detection is tentative in identification and estimated in value
EMPC - The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample
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
NA - Not analyzed for by laboratory
ft bls - Feet below land surface

NOTE

1. LOCATIONS OF PREVIOUS COMPLETED SOIL BORINGS, MONITORING WELLS, AND SOIL VAPOR POINTS REPORTED IN PHASE II ENVIRONMENTAL SITE ASSESSMENT, PREPARED BY VHB ON NOVEMBER 12, 2020.
2. LOCATIONS OF PREVIOUSLY COMPLETED SOIL BORINGS, MONITORING WELLS, AND SOIL VAPOR POINTS COMPLETED DURING THE SUPPLEMENTAL INVESTIGATION, COMPLETED BY ROUX IN NOVEMBER 2022.
3. PROPOSED BUILDING FOOTPRINT OUTLINES BASED ON DRAWINGS A-100 AND A-101.00, DATED MARCH 9, 2023 PREPARED BY AUFGANG ARCHITECTS.

N

30' 0 30'

Title:

# SOIL SAMPLE EXCEEDANCES

366 ROCKAWAY AVENUE
BROOKLYN, NEW YORK

Prepared for:

BROWNSVILLE ARTS OWNER LLC

ROUX

| | | |
|---|---|---|
| Compiled by: B.H. | Date: 10/9/2024 | PLATE |
| Prepared by: B.H.C. | Scale: AS SHOWN | 6 |
| Project Mgr: L.D. | Project: 3868.0001Y000 | |
| File: 3868.0001Y112.05.DWG | | |

| GW-1 | 10/14/2020 |
|---|---|
| **Metals, Total** | |
| Arsenic | 36.45 |
| Barium | 2627 |
| Beryllium | 17.86 |
| Chromium | 865.8 |
| Copper | 729.3 |
| Iron | 478000 |
| Lead | 327.6 |
| Magnesium | 136000 |
| Manganese | 33120 |
| Nickel | 1302 |
| Selenium | 63.4 |
| Sodium | 68700 |
| Thallium | 3.88 |
| **Metals, Dissolved** | |
| Manganese | 1826 |
| Sodium | 63600 |

| GW-3 | 10/15/2020 |
|---|---|
| **VOCs** | |
| Tetrachloroethene | 5.8 |
| **Metals, Total** | |
| Chromium | 70.62 |
| Iron | 79800 |
| Lead | 124 |
| Magnesium | 41700 |
| Manganese | 6247 |
| Nickel | 256.1 |
| Sodium | 197000 |
| Thallium | 0.64 |
| **Metals, Dissolved** | |
| Sodium | 203000 |
| Thallium | 1.68 |

| RXMW-2 | 12/21/2023 |
|---|---|
| **Metals, Total** | |
| Iron | 1200 |
| Sodium | 163000 |
| **Metals, Dissolved** | |
| Sodium | 159000 J- |
| **PFAS** | |
| Perfluorooctanesulfonic acid (PFOS) | 23.3 |
| Perfluorooctanoic acid (PFOA) | 53.6 |

| GW-2 | 10/14/2020 |
|---|---|
| **SVOCs** | |
| Benzo(b)fluoranthene | 0.02 |
| **Metals, Total** | |
| Barium | 1819 |
| Beryllium | 6.83 |
| Chromium | 426.2 |
| Copper | 313.2 |
| Iron | 273000 |
| Lead | 150 |
| Magnesium | 76600 |
| Manganese | 25510 |
| Nickel | 791 |
| Selenium | 24.6 |
| Sodium | 24100 |
| Thallium | 1.98 |
| **Metals, Dissolved** | |
| Manganese | 3766 |
| Sodium | 20900 |

| RXMW-1 | 11/28/2022 | 12/21/2023 | 12/21/2023 DUP |
|---|---|---|---|
| **VOCs** | | | |
| Chloroform | 8 | NE | NE |
| **Metals, Total** | | | |
| Iron | NA | 1330 J | 684 J |
| Selenium | NE | 10.4 | 10.9 |
| Sodium | NA | 35700 | 36600 |
| **Metals, Dissolved** | | | |
| Selenium | NE | 11 J- | 11.3 J- |
| Sodium | NA | 39000 J- | 35400 J- |
| **PFAS** | | | |
| Perfluorooctanesulfonic acid (PFOS) | NA | 4.69 | 4.51 EMPC |
| Perfluorooctanoic acid (PFOA) | NA | 93.3 | 90.6 |

| RXMW-3 | 12/21/2023 |
|---|---|
| **Metals, Total** | |
| Sodium | 41200 |
| **Metals, Dissolved** | |
| Sodium | 39300 J- |
| **PFAS** | |
| Perfluorooctanesulfonic acid (PFOS) | 127 EMPC |
| Perfluorooctanoic acid (PFOA) | 93.7 |

NOTE

1. LOCATIONS OF PREVIOUS COMPLETED SOIL BORINGS, MONITORING WELLS, AND SOIL VAPOR POINTS REPORTED IN PHASE II ENVIRONMENTAL SITE ASSESSMENT, PREPARED BY VHB ON NOVEMBER 12, 2020.
2. LOCATIONS OF PREVIOUSLY COMPLETED SOIL BORINGS, MONITORING WELLS, AND SOIL VAPOR POINTS COMPLETED DURING THE SUPPLEMENTAL INVESTIGATION, COMPLETED BY ROUX IN NOVEMBER 2022.
3. PROPOSED BUILDING FOOTPRINT OUTLINES BASED ON DRAWINGS A-100 AND A-101.00, DATED MARCH 9, 2023 PREPARED BY AUFGANG ARCHITECTS.

LEGEND

- LOCATION OF SOIL BORING (REMEDIAL INVESTIGATION, ROUX, 2023/2024)
- LOCATION OF SOIL BORING/PERMENANT MONITORING WELL (REMEDIAL INVESTIGATION, ROUX, 2023/2024)
- LOCATION OF PREVIOUSLY INSTALLED SOIL BORING (SUPPLEMENTAL INVESTIGATION, ROUX, 2022)
- LOCATION OF PREVIOUSLY INSTALLED PERMANENT MONITORING WELL (SUPPLEMENTAL INVESTIGATION, ROUX, 2022)
- LOCATION OF PREVIOUSLY INSTALLED SOIL VAPOR SAMPLE (SUPPLEMENTAL INVESTIGATION, ROUX, 2022)
- LOCATION OF PREVIOUSLY COMPLETED SOIL BORING (PHASE II ESA, VHB, 2020)
- LOCATION OF EXISTING MONITORING WELL PREVIOUSLY SAMPLED (PHASE II ESA, VHB, 2020)
- LOCATION OF PREVIOUSLY COMPLETED SOIL VAPOR SAMPLE (PHASE II ESA, VHB, 2020)
- LOCATION OF PREVIOUSLY COMPLETED SOIL BORING/TEMPORARY MONITORING WELL(PHASE II ESA, VHB, 2020)
- BCP SITE BOUNDARY
- PROPOSED BUILDING FIRST FLOOR OUTLINE
- PROPOSED BASEMENT AREA
- THEATER AREA

TYPICAL DATA BOX INFORMATION

SAMPLE ID# → GW-3 | 10/15/2020 ← SAMPLE DATE

ANALYTES — CONCENTRATIONS

| GW-3 | 10/15/2020 |
|---|---|
| **VOCs** | |
| Tetrachloroethene | 5.8 |
| **Metals, Total** | |
| Chromium | 70.62 |
| Iron | 79800 |
| Lead | 124 |
| Magnesium | 41700 |
| Manganese | 6247 |
| Nickel | 256.1 |
| Sodium | 197000 |
| Thallium | 0.64 |
| **Metals, Dissolved** | |
| Sodium | 203000 |
| Thallium | 1.68 |

| Parameter | NYSDEC AWQSGV | Units |
|---|---|---|
| **VOCs** | | |
| Chloroform | 7 | µg/L |
| Tetrachloroethene | 5 | µg/L |
| **SVOCs** | | |
| Benzo(b)fluoranthene | 0.002 | µg/L |
| **Metals, Total** | | |
| Arsenic | 25 | µg/L |
| Barium | 1000 | µg/L |
| Beryllium | 3 | µg/L |
| Chromium | 50 | µg/L |
| Copper | 200 | µg/L |
| Iron | 300 | µg/L |
| Lead | 25 | µg/L |
| Magnesium | 35000 | µg/L |
| Manganese | 300 | µg/L |
| Nickel | 100 | µg/L |
| Selenium | 10 | µg/L |
| Sodium | 20000 | µg/L |
| Thallium | 0.5 | µg/L |
| **Metals, Dissolved** | | |
| Iron | 300 | µg/L |
| Selenium | 10 | µg/L |
| Manganese | 300 | µg/L |
| Sodium | 20000 | µg/L |
| Thallium | 0.5 | µg/L |
| **PCBs** | ND | µg/L |
| **Pesticides** | ND | µg/L |
| **PFAS** | | |
| Perfluorooctanesulfonic acid (PFOS) | 2.7 | ng/L |
| Perfluorooctanoic acid (PFOA) | 6.7 | ng/L |

Concentrations in µg/L and ng/L

µg/L - Micrograms per liter
ng/L - Nanograms per liter
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
-- - No NYSDEC AWQSGV available
J - Estimated value
J- - Estimated value, low bias
EMPC - The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample
DUP - Duplicate Sample
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
PCBs - Polychlorinated Biphenyls
PFAS - Per- and Polyfluoroalkyl Substances
NE - No exceedances
ND - No detection
NA - Not analyzed for by laboratory

50' 0 50'

N

Title:

# GROUNDWATER SAMPLE EXCEEDANCES

366 ROCKAWAY AVENUE
BROOKLYN, NEW YORK

Prepared for:

BROWNSVILLE ARTS OWNER LLC

ROUX

| | | |
|---|---|---|
| Compiled by: B.H. | Date: 10/9/2024 | FIGURE |
| Prepared by: B.H.C. | Scale: AS SHOWN | 7 |
| Project Mgr: L.D. | Project: 3868.0001Y000 | |
| File: 3868.0001Y112.05.DWG | | |

V:\CAD\PROJECTS\3868\Y0001\Y1123868.0001Y112.05.DWG BCICIO

| RXSV-4 | 11/28/2022 |
|---|---|
| **VOCs** | |
| 1,1,1-Trichloroethane (TCA) | 0.32 J |
| 1,2,4-Trimethylbenzene | 8.1 |
| 1,3,5-Trimethylbenzene (Mesitylene) | 3.1 |
| 1,3-Butadiene | 0.66 |
| 2,2,4-Trimethylpentane | 27 |
| 2-Hexanone | 72 |
| 4-Ethyltoluene | 3.3 |
| Acetone | 120 D |
| Benzene | 13 |
| Butane | 26 |
| Carbon Disulfide | 0.53 J |
| Carbon Tetrachloride | 0.26 |
| Chlorodifluoromethane | 0.44 J |
| Chloroform | 0.91 J |
| Chloromethane | 0.33 J |
| Cyclohexane | 32 |
| Dichlorodifluoromethane | 6.3 |
| Ethylbenzene | 21 |
| Isopropylbenzene (Cumene) | 1.5 |
| m,p-Xylene | 72 |
| Methyl Ethyl Ketone (2-Butanone) | 680 D |
| Methylene Chloride | 12 |
| N-Heptane | 39 |
| N-Hexane | 51 |
| N-Propylbenzene | 3 |
| O-Xylene (1,2-Dimethylbenzene) | 28 |
| Sec-Butylbenzene | 0.25 J |
| Tetrachloroethylene (PCE) | 3 |
| Toluene | 110 |
| Trichloroethylene (TCE) | 0.19 J |
| Trichlorofluoromethane | 2.9 |

| SV-01 | 10/15/2020 |
|---|---|
| **VOCs** | |
| 1,3-butadiene | 56.6 |
| 2-butanone | 35.1 |
| 2-hexanone | 5 |
| 4-methyl-2-pentanone | 25.8 |
| Acetone | 78.4 |
| Benzene | 18.7 |
| Carbon disulfide | 9.22 |
| Cyclohexane | 4.75 |
| Heptane | 22.9 |
| N-Hexane | 43.3 |
| O-xylene | 4.39 |
| p/m-xylene | 13.2 |
| Tert-butyl alcohol | 31.5 |
| Toluene | 22.7 |

| SV-03 | 10/15/2020 |
|---|---|
| **VOCs** | |
| 1,2,4-trimethylbenzene | 4.33 |
| 1,3-butadiene | 43.6 |
| 2-butanone | 57.2 |
| Acetone | 215 |
| Benzene | 21.3 |
| Carbone disulfide | 17 |
| Cyclohexane | 10.9 |
| Dichlorodifluoromethane | 27.8 |
| Ethylbenzene | 20.8 |
| Heptane | 100 |
| Isopropyl alcohol | 6.66 |
| N-Hexane | 28.8 |
| O-xylene | 12.5 |
| p/m-xylene | 43.4 |
| Tert-butyl alcohol | 18.3 |
| Toluene | 32.8 |
| Trichlorofluoromethane | 133 |

| RXSV-1 | 11/28/2022 |
|---|---|
| **VOCs** | |
| 1,2,4-Trimethylbenzene | 6 |
| 1,3,5-Trimethylbenzene (Mesitylene) | 2.2 J |
| 1,3-Butadiene | 0.52 J |
| 2,2,4-Trimethylpentane | 16 |
| 2-Chlorotoluene | 1 J |
| 2-Hexanone | 40 |
| 4-Ethyltoluene | 2.2 J |
| Acetone | 100 |
| Benzene | 7.2 |
| Butane | 20 |
| Carbon Disulfide | 2.6 J |
| Chloroform | 2 J |
| Cyclohexane | 19 |
| Dichlorodifluoromethane | 5.6 J |
| Ethylbenzene | 13 |
| Isopropylbenzene (Cumene) | 0.9 J |
| m,p-Xylene | 44 |
| Methyl Ethyl Ketone (2-Butanone) | 520 D |
| N-Heptane | 25 |
| N-Hexane | 32 |
| N-Propylbenzene | 1.9 J |
| O-Xylene (1,2-Dimethylbenzene) | 17 |
| Tetrachloroethylene (PCE) | 0.83 J |
| Toluene | 68 |
| Trichlorofluoromethane | 2.7 J |

| RXSV-2 | 11/28/2022 |
|---|---|
| **VOCs** | |
| 1,1,1-Trichloroethane (TCA) | 0.25 J |
| 1,2,4-Trimethylbenzene | 4.7 |
| 1,2-Dichlorotetrafluoroethane | 2.4 |
| 1,3,5-Trimethylbenzene (Mesitylene) | 2.2 |
| 1,3-Butadiene | 2.3 |
| 2,2,4-Trimethylpentane | 23 |
| 2-Hexanone | 100 |
| 4-Ethyltoluene | 2.4 |
| Acetone | 210 DJ |
| Benzene | 11 |
| Butane | 68 |
| Carbon Disulfide | 12 |
| Chloroform | 14 |
| Chloromethane | 0.83 J |
| Cyclohexane | 27 |
| Dichlorodifluoromethane | 2.4 J |
| Ethylbenzene | 20 |
| Isopropylbenzene (Cumene) | 1.4 |
| m,p-Xylene | 64 |
| Methyl Ethyl Ketone (2-Butanone) | 1100 D |
| N-Heptane | 42 |
| N-Hexane | 54 |
| N-Propylbenzene | 2.3 |
| O-Xylene (1,2-Dimethylbenzene) | 25 |
| Styrene | 0.96 |
| Tetrachloroethylene (PCE) | 2.9 |
| Toluene | 93 |
| Trichloroethylene (TCE) | 23 |
| Trichlorofluoromethane | 6 |

| SV-02 | 10/15/2020 |
|---|---|
| **VOCs** | |
| 1,2,4-trimethylbenzene | 5.06 |
| 1,3,5-trimethylbenzene | 1.34 |
| 2,2,4-trimethylpentane | 2.36 |
| Chloromethane | 0.516 |
| 1,3-butadiene | 19.6 |
| 2-butanone | 21.1 |
| 2-hexanone | 2.5 |
| 4-methyl-2-pentanone | 2.38 |
| Acetone | 28.5 |
| Benzene | 10.1 |
| Carbon Disulfide | 5.73 |
| Cyclohexane | 4.2 |
| Dichlorodifluoromethane | 6.92 |
| Ethyl alcohol | 12.7 |
| Ethylbenzene | 4.29 |
| Heptane | 15.3 |
| N-hexane | 21 |
| O-xylenes | 4.47 |
| p/m-xylenes | 13.3 |
| Tert-butyl alcohol | 5.64 |
| Tetrahydrofuran | 3.51 |
| Toluene | 19.9 |

| RXSV-3 | 11/28/2022 |
|---|---|
| **VOCs** | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 0.48 J |
| 1,2,4-Trimethylbenzene | 8.6 |
| 1,3,5-Trimethylbenzene (Mesitylene) | 3.2 |
| 1,3-Butadiene | 2.7 |
| 2,2,4-Trimethylpentane | 17 |
| 2-Hexanone | 56 |
| 4-Ethyltoluene | 3.2 |
| Acetone | 100 DJ |
| Benzene | 10 |
| Butane | 73 |
| Carbon Disulfide | 29 |
| Carbon Tetrachloride | 0.16 J |
| Chlorodifluoromethane | 0.9 J |
| Chloroform | 2.5 |
| Chloromethane | 0.51 J |
| Cyclohexane | 21 |
| Dichlorodifluoromethane | 2.1 J |
| Ethylbenzene | 18 |
| Isopropylbenzene (Cumene) | 1.4 |
| m,p-Xylene | 62 |
| Methyl Ethyl Ketone (2-Butanone) | 570 D |
| N-Heptane | 30 |
| N-Hexane | 37 |
| N-Propylbenzene | 2.8 |
| O-Xylene (1,2-Dimethylbenzene) | 24 |
| Tetrachloroethylene (PCE) | 1.8 |
| Toluene | 83 |
| Trichloroethylene (TCE) | 0.38 |
| Trichlorofluoromethane | 1.2 |

| SV-04 | 10/15/2020 |
|---|---|
| **VOCs** | |
| 1,2,4□ trimethylbenzene | 4.57 |
| 1,3□ butadiene | 47.1 |
| 2□ butanone | 47.2 |
| 2□ hexanone | 3.7 |
| Acetone | 134 |
| Benzene | 18.6 |
| Carbon disulfide | 14.1 |
| Cyclohexane | 6.54 |
| Dichlorodifluoromethane | 3.34 |
| Ethylbenzene | 4.13 |
| Heptane | 35.4 |
| Methylene Chloride | 7.61 |
| N□ Hexane | 45.8 |
| O□ xylene | 4.52 |
| p/m□ xylene | 13.4 |
| Tert□ butyl alcohol | 8.28 |
| Toluene | 21.8 |

LEGEND

- LOCATION OF SOIL BORING (REMEDIAL INVESTIGATION, ROUX, 2023/2024)
- LOCATION OF SOIL BORING/PERMENANT MONITORING WELL (REMEDIAL INVESTIGATION, ROUX, 2023/2024)
- LOCATION OF PREVIOUSLY INSTALLED SOIL BORING (SUPPLEMENTAL INVESTIGATION, ROUX, 2022)
- LOCATION OF PREVIOUSLY INSTALLED PERMANENT MONITORING WELL (SUPPLEMENTAL INVESTIGATION, ROUX, 2022)
- LOCATION OF PREVIOUSLY INSTALLED SOIL VAPOR SAMPLE (SUPPLEMENTAL INVESTIGATION, ROUX, 2022)
- LOCATION OF PREVIOUSLY COMPLETED SOIL BORING (PHASE II ESA, VHB, 2020)
- LOCATION OF EXISTING MONITORING WELL PREVIOUSLY SAMPLED (PHASE II ESA, VHB, 2020)
- LOCATION OF PREVIOUSLY COMPLETED SOIL VAPOR SAMPLE (PHASE II ESA, VHB, 2020)
- LOCATION OF PREVIOUSLY COMPLETED SOIL BORING/TEMPORARY MONITORING WELL(PHASE II ESA, VHB, 2020)
- BCP SITE BOUNDARY
- PROPOSED BUILDING FIRST FLOOR OUTLINE
- PROPOSED BASEMENT AREA
- THEATER AREA

TYPICAL DATA BOX INFORMATION

SAMPLE ID# → SV-01 | 10/15/2020 ← SAMPLE DATE

| VOCs | |
|---|---|
| 1,3-butadiene | 56.6 |
| 2-butanone | 35.1 |
| 2-hexanone | 5 |
| 4-methyl-2-pentanone | 25.8 |
| Acetone | 78.4 |
| Benzene | 18.7 |
| Carbon disulfide | 9.22 |
| Cyclohexane | 4.75 |
| Heptane | 22.9 |
| N-Hexane | 43.3 |
| O-xylene | 4.39 |
| p/m-xylene | 13.2 |
| Tert-butyl alcohol | 31.5 |
| Toluene | 22.7 |

ANALYTES — CONCENTRATIONS

Concentrations in $\mu g/m^3$

$\mu g/m^3$ - Micrograms per cubic meter
VOCs - Volatile Organic Compounds
J - Estimated value
D - Secondary analysis after dilution due to exceedance of the calibration range in the original sample
ND - Compound was analyzed for but not detected

NOTE

1. LOCATIONS OF PREVIOUS COMPLETED SOIL BORINGS, MONITORING WELLS, AND SOIL VAPOR POINTS REPORTED IN PHASE II ENVIRONMENTAL SITE ASSESSMENT, PREPARED BY VHB ON NOVEMBER 12, 2020.
2. LOCATIONS OF PREVIOUSLY COMPLETED SOIL BORINGS, MONITORING WELLS, AND SOIL VAPOR POINTS COMPLETED DURING THE SUPPLEMENTAL INVESTIGATION, COMPLETED BY ROUX IN NOVEMBER 2022.
3. PROPOSED BUILDING FOOTPRINT OUTLINES BASED ON DRAWINGS A-100 AND A-101.00, DATED MARCH 9, 2023 PREPARED BY AUFGANG ARCHITECTS.

50' 0 50'

N

Title:

# SOIL VAPOR SAMPLE DETECTIONS

366 ROCKAWAY AVENUE
BROOKLYN, NEW YORK

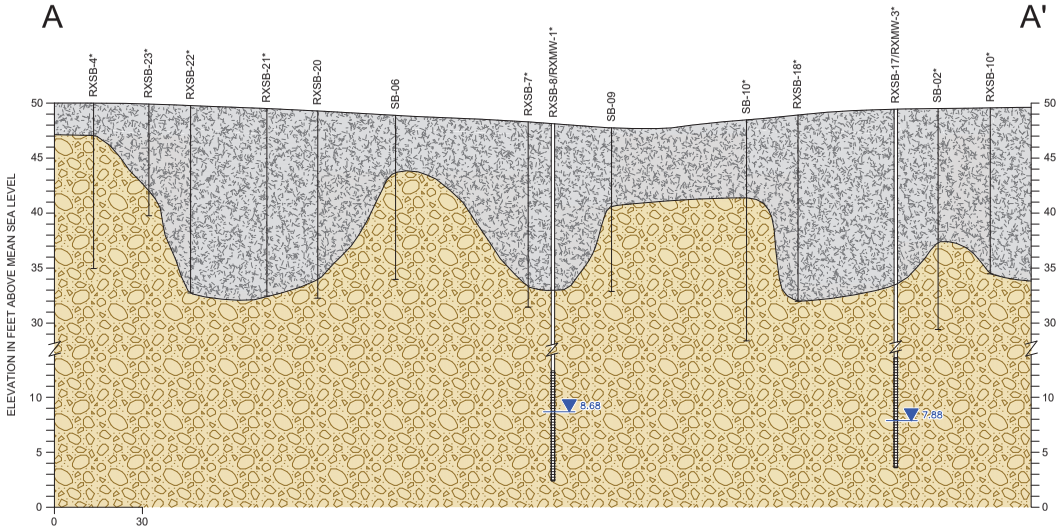
Prepared for:

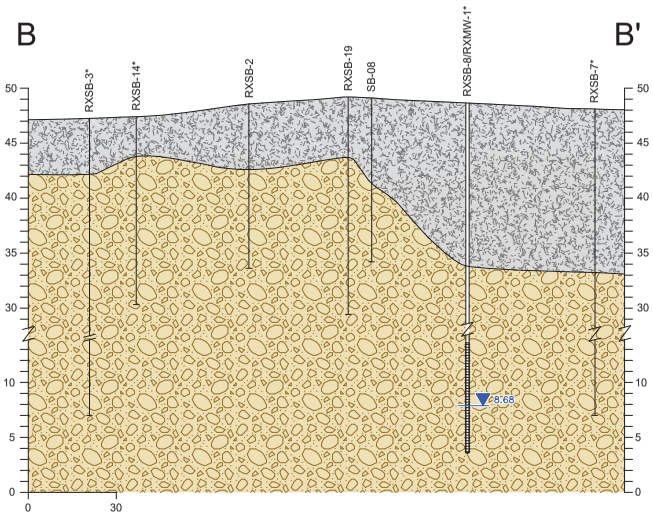
BROWNSVILLE ARTS OWNER LLC

ROUX

| | | |
|---|---|---|
| Compiled by: B.H. | Date: 10/9/2024 | FIGURE |
| Prepared by: B.H.C. | Scale: AS SHOWN | 8 |
| Project Mgr: L.D. | Project: 3868.0001Y000 | |
| File: 3868.0001Y112.05.DWG | | |

V:\CAD\PROJECTS\3868\Y0001\Y1123868.0001Y112.05.DWG BCICIO

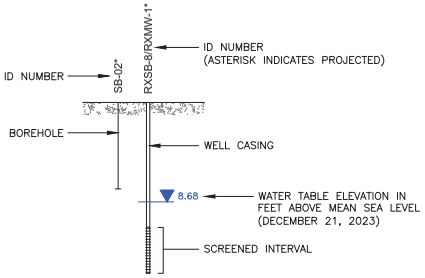


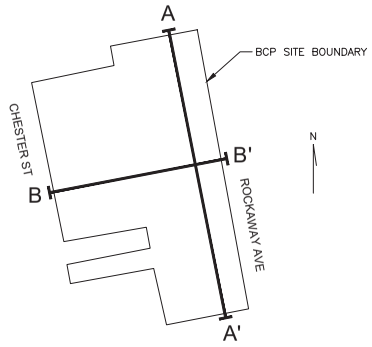

LEGEND

FILL MATERIALS

BROWN/DARK BROWN SAND WITH SILT/GRAVEL/COBBLES




CROSS SECTION LOCATIONS




Title:

# CROSS SECTIONS A-A' AND B-B'

366 ROCKAWAY AVENUE
BROOKLYN, NEW YORK

Prepared for:

BROWNSVILLE ARTS OWNER LLC

ROUX

| | | |
|---|---|---|
| Compiled by: L.D. | Date: 10/9/2024 | FIGURE |
| Prepared by: B.H.C. | Scale: AS SHOWN | 9 |
| Project Mgr: L.D. | Project: 3868.0001Y000 | |
| File: 3868.0001Y112.03.DWG | | |

V:\CAD\PROJECTS\3868\Y0001\Y1\12\3868.0001Y112.03.DWG BCICIO

LEGEND

- LOCATION OF SOIL BORING/PERMENANT MONITORING WELL (REMEDIAL INVESTIGATION, ROUX, 2023/2024)
- LOCATION OF PREVIOUSLY INSTALLED PERMANENT MONITORING WELL (BCP ELIGIBILITY INVESTIGATION, ROUX, 2022)
- 8.81 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (NAVD1988)
- 8.0 LINE OF EQUAL GROUNDWATER ELEVATION IN FEET (DASHED WHERE INFERRED) (NAVD1988)
- INFERRED GROUNDWATER FLOW DIRECTION
- BCP SITE BOUNDARY
- PROPOSED BUILDING FIRST FLOOR OUTLINE
- PROPOSED BASEMENT AREA
- THEATER AREA

NOTE

1. LOCATIONS OF PREVIOUS COMPLETED SOIL BORINGS, MONITORING WELLS, AND SOIL VAPOR POINTS REPORTED IN PHASE II ENVIRONMENTAL SITE ASSESSMENT, PREPARED BY VHB ON NOVEMBER 12, 2020.
2. LOCATIONS OF PREVIOUSLY COMPLETED SOIL BORINGS, MONITORING WELLS, AND SOIL VAPOR POINTS COMPLETED DURING THE SUPPLEMENTAL INVESTIGATION, COMPLETED BY ROUX IN NOVEMBER 2022.
3. PROPOSED BUILDING FOOTPRINT OUTLINES BASED ON DRAWINGS A-100 AND A-101.00, DATED MARCH 9, 2023 PREPARED BY AUFGANG ARCHITECTS.

50' 0 50'

Title:

**GROUNDWATER CONTOUR MAP**
**DECEMBER 21, 2023**

366 ROCKAWAY AVENUE
BROOKLYN, NEW YORK

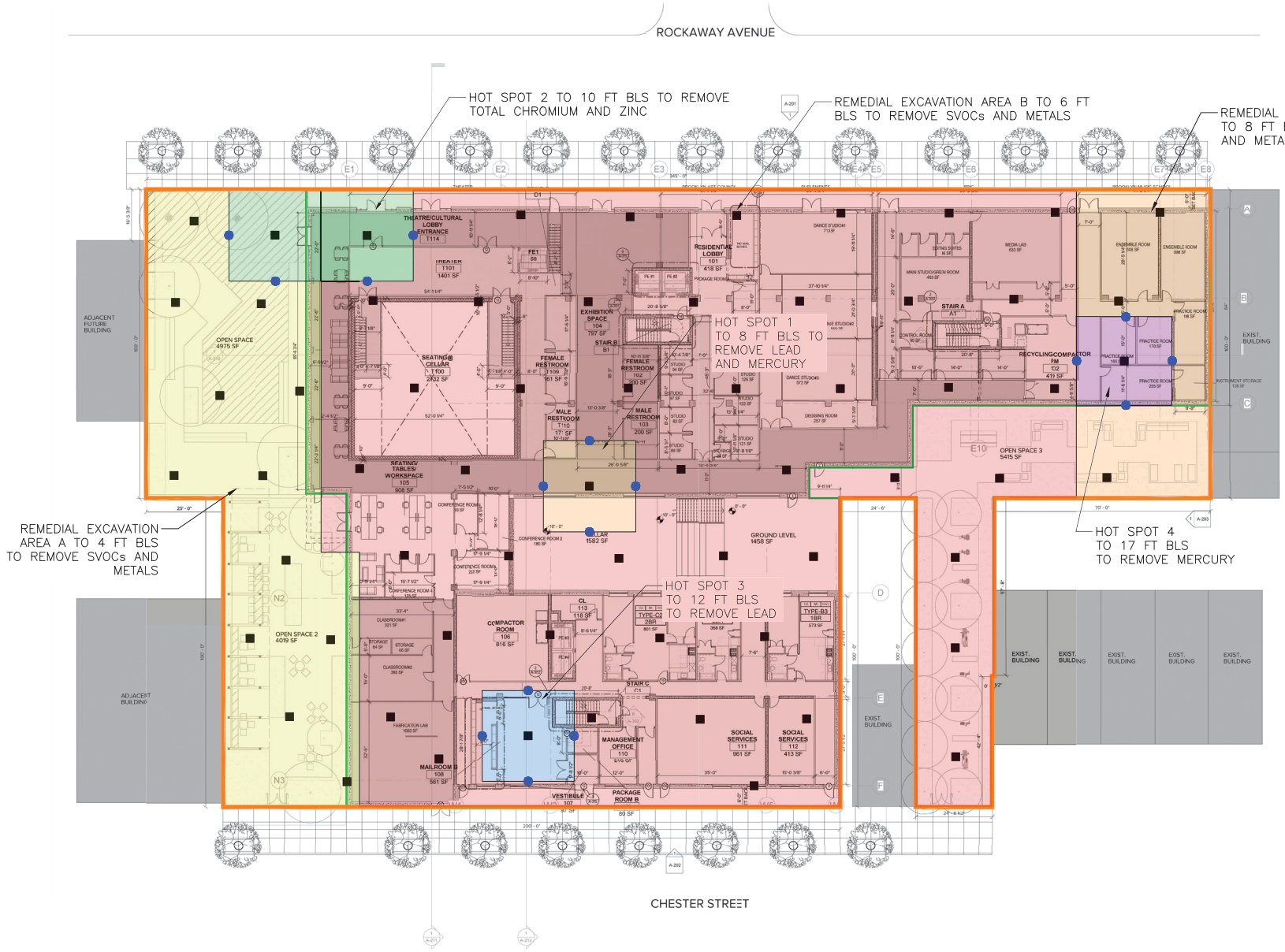
Prepared for:

BROWNSVILLE ARTS OWNER LLC

ROUX

| | | |
|---|---|---|
| Compiled by: M.O. | Date: 10/9/2024 | FIGURE |
| Prepared by: B.H.C. | Scale: AS SHOWN | 10 |
| Project Mgr: L.D. | Project: 3868.0001Y000 | |
| File: 3868.0001Y112.01.DWG | | |

V:\CAD\PROJECTS\3868\Y0001\Y112\3868.0001Y112.01.DWG BCICIO




LEGEND

- BCP SITE BOUNDARY
- FUTURE BUILDING FIRST FLOOR OUTLINE
- PROPOSED LOCATION OF TRACK 1 BOTTOM CONFIRMATION SAMPLE
- PROPOSED LOCATION OF TRACK 1 SIDEWALL CONFIRMATION SAMPLE
- PROPOSED TRACK 1 REMEDIAL DEPTH TO 4 FT BLS
- PROPOSED TRACK 1 REMEDIAL DEPTH TO 6 FT BLS
- PROPOSED TRACK 1 REMEDIAL DEPTH TO 8 FT BLS
- PROPOSED TRACK 1 REMEDIAL DEPTH TO 10 FT BLS
- PROPOSED TRACK 1 REMEDIAL DEPTH TO 12 FT BLS
- PROPOSED TRACK 1 REMEDIAL DEPTH TO 17 FT BLS

NOTE

1. ROPOSED BUILDING FOOTPRINT OUTLINES BASED ON DRAWINGS A-100 AND A-101.00, DATED MARCH 9, 2023 PREPARED BY AUFGANG ARCHITECTS.
2. ACTUAL REMEDIAL DEPTH IS SUBJECT TO CHANGE BASED ON FIELD CONDITIONS, RESULTS OF THE PRE-DESIGN INVESTIGATION AND POST EXCAVATION ENDPOINT SAMPLING.

FT BLS – FEET BELOW LAND SURFACE

15' 0 15'

Title:

**ALTERNATIVE 1:**
**TRACK 1 UNRESTRICTED USE CLEANUP**

366 ROCKAWAY AVENUE
BROOKLYN, NEW YORK

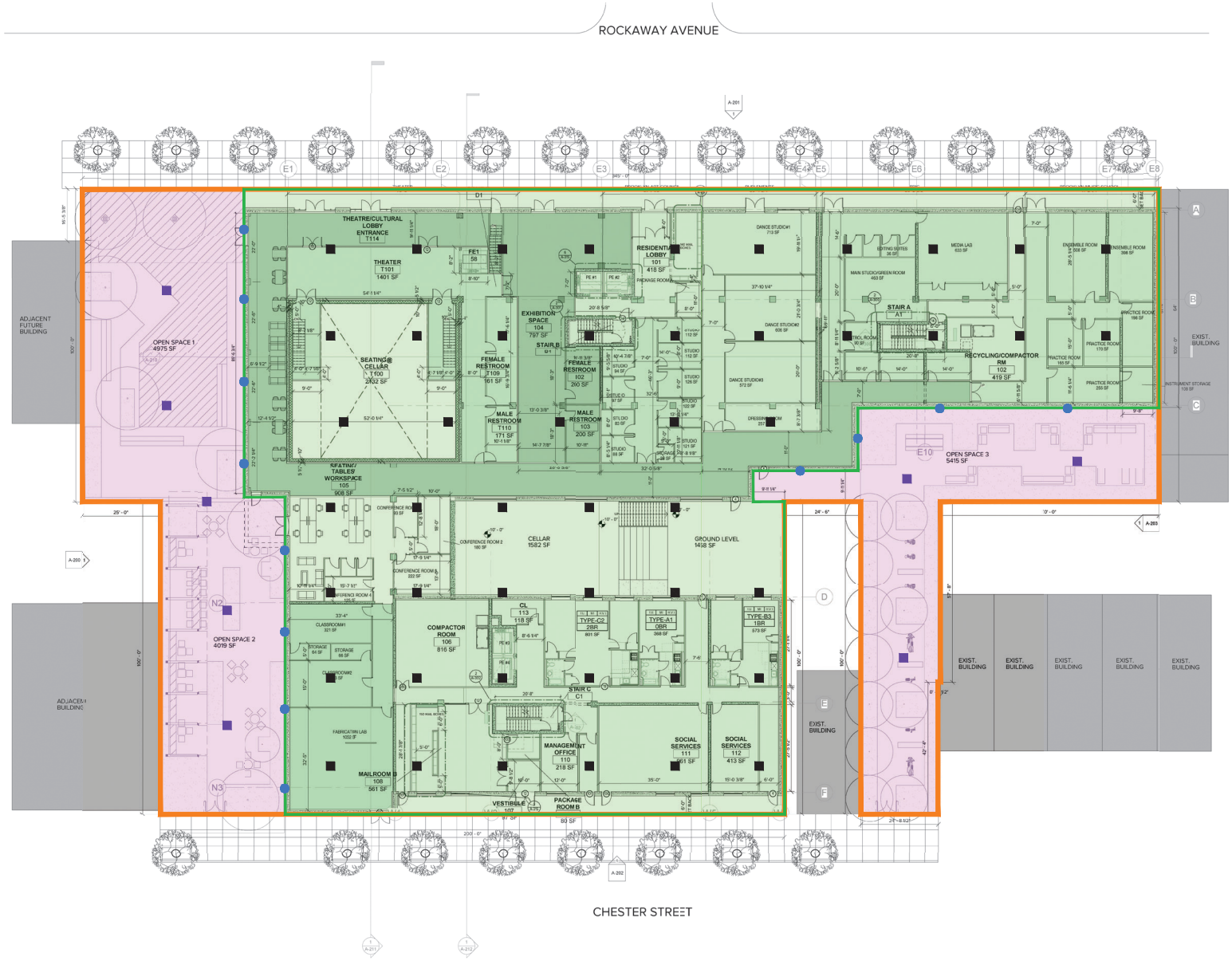
Prepared for:

BROWNSVILLE ARTS OWNER LLC

ROUX

| | | | |
|---|---|---|---|
| Compiled by: L.D. | Date: 10/9/2024 | PLATE | |
| Prepared by: B.H.C. | Scale: AS SHOWN | 11 | |
| Project Mgr: L.D. | Project: 3868.0001Y000 | | |
| File: 3868.0001Y112.04.DWG | | | |

V:\CAD\PROJECTS_MWR\Y\0001\112_UNR\0001Y112-04.DWG BCKD




LEGEND

- BCP SITE BOUNDARY
- FUTURE BUILDING FIRST FLOOR OUTLINE
- PROPOSED TRACK 1 UNRESTRICTED USE AREA
- PROPOSED TRACK 4 RESTRICTED RESIDENTIAL USE AREA
- PROPOSED LOCATION OF TRACK 1 BOTTOM CONFIRMATION SAMPLE
- PROPOSED LOCATION OF TRACK 4 BOTTOM DOCUMENTATION SAMPLE
- PROPOSED LOCATION OF TRACK 1/TRACK 4 SIDEWALL SAMPLE

NOTE

PROPOSED BUILDING FOOTPRINT OUTLINES BASED ON DRAWINGS A-100 AND A-101.00, DATED MARCH 9, 2023 PREPARED BY AUFGANG ARCHITECTS.

15' 0 15'

Title:

**ALTERNATIVE 2:**
**TRACK 1 UNRESTRICTED USE / TRACK 4 RESTRICTED RESIDENTIAL USE CLEANUP**

366 ROCKAWAY AVENUE
BROOKLYN, NEW YORK

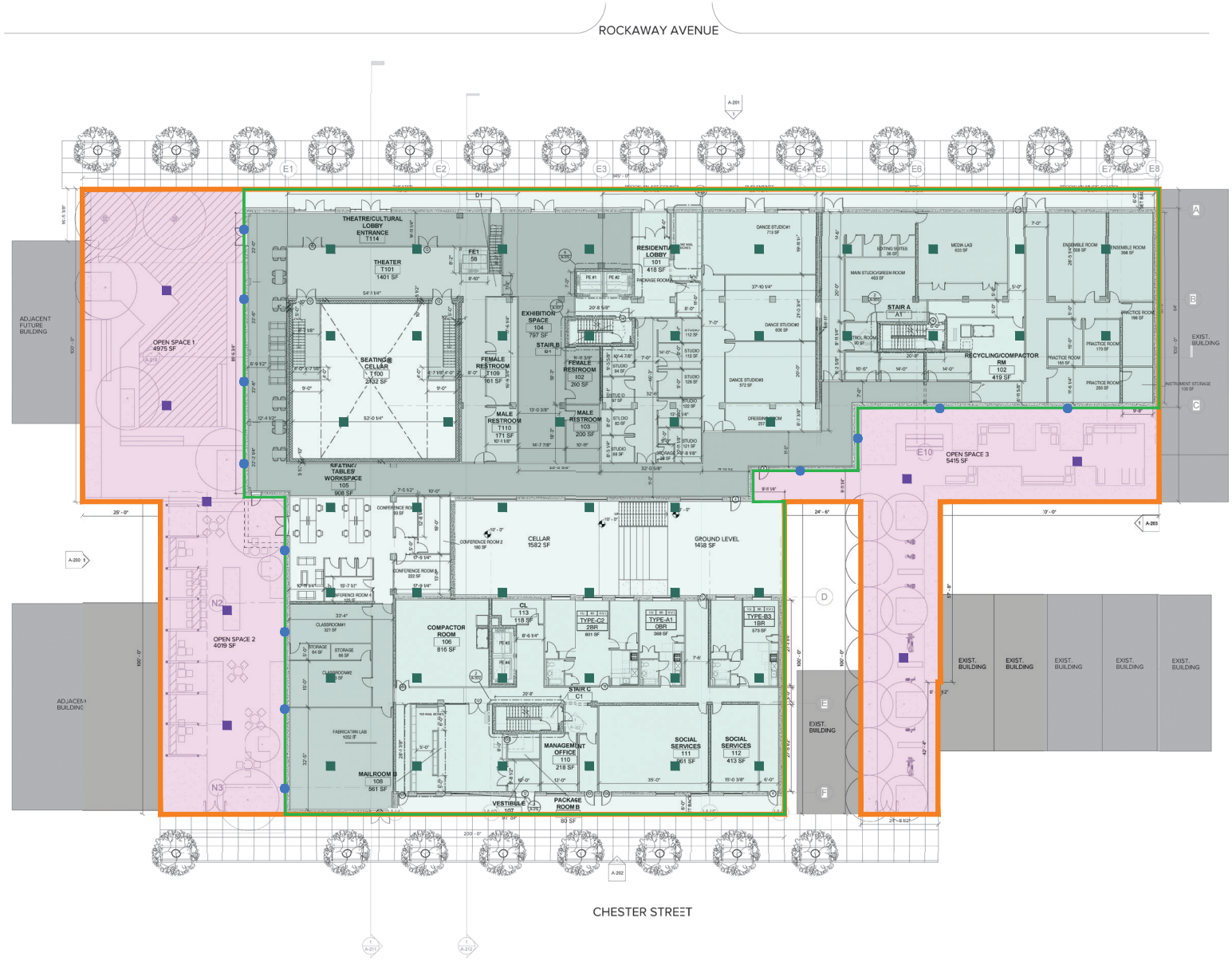
Prepared for:

BROWNSVILLE ARTS OWNER LLC

ROUX

| | | | |
|---|---|---|---|
| Compiled by: L.D. | Date: 10/9/2024 | PLATE | |
| Prepared by: B.H.C. | Scale: AS SHOWN | 12 | |
| Project Mgr: L.D. | Project: 3868.0001Y000 | | |
| File: 3868.0001Y112.04.DWG | | | |

V:\CAD\PROJECTS_MWBE\0001\112_MWB.0001112.04.DWG BCKD




LEGEND

- BCP SITE BOUNDARY
- FUTURE BUILDING FIRST FLOOR OUTLINE
- PROPOSED TRACK 2 RESTRICTED RESIDENTIAL USE AREA
- PROPOSED TRACK 4 RESTRICTED RESIDENTIAL USE AREA
- PROPOSED LOCATION OF TRACK 2 BOTTOM CONFIRMATION SAMPLE
- PROPOSED LOCATION OF TRACK 4 BOTTOM DOCUMENTATION SAMPLE
- PROPOSED LOCATION OF TRACK 2/TRACK 4 SIDEWALL SAMPLE

NOTE

PROPOSED BUILDING FOOTPRINT OUTLINES BASED ON DRAWINGS A-100 AND A-101.00, DATED MARCH 9, 2023 PREPARED BY AUFGANG ARCHITECTS.

15' 0 15'

Title:

**ALTERNATIVE 3**
**TRACK 2 / TRACK 4 RESTRICTED RESIDENTIAL USE CLEANUP**

366 ROCKAWAY AVENUE
BROOKLYN, NEW YORK

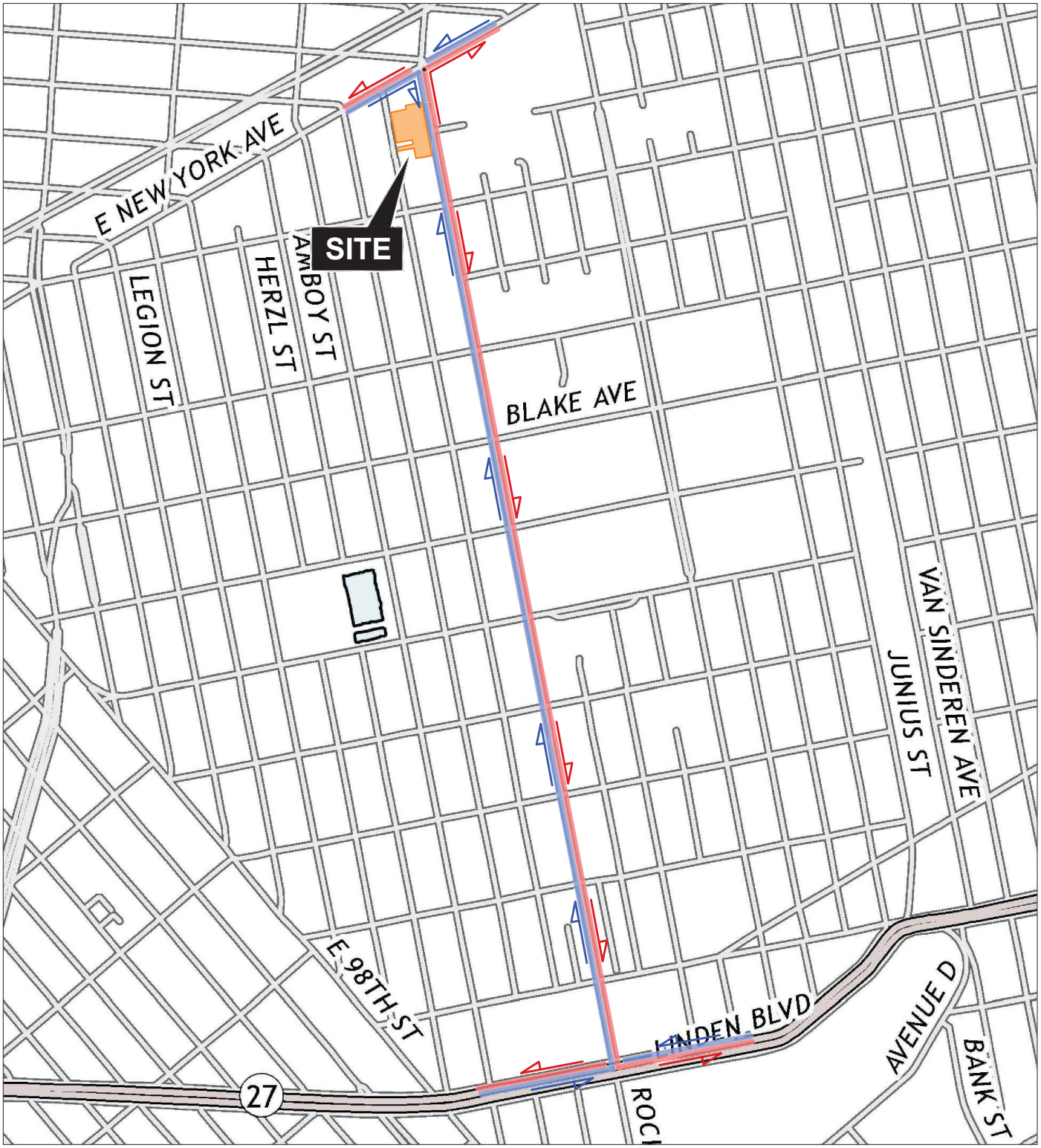
Prepared for:

BROWNSVILLE ARTS OWNER LLC

ROUX

| | | |
|---|---|---|
| Compiled by: L.D. | Date: 10/9/2024 | PLATE |
| Prepared by: B.H.C. | Scale: AS SHOWN | 13 |
| Project Mgr: L.D. | Project: 3868.0001Y000 | |
| File: 3868.0001Y112.04.DWG | | |

V:\CAD\PROJECTS_MBBV\0001\112_MMA\0001112-04.DWG BCKD




LEGEND

OUTBOUND TRUCKS

INBOUND TRUCKS

N

0 900'

Title:

# TRUCK ROUTE MAP

366 ROCKAWAY AVENUE
BROOKLYN, NEW YORK

Prepared for:

BROWNSVILLE ARTS OWNER LLC

ROUX

| | | |
|---|---|---|
| Compiled by: L.D. | Date: 12MAR24 | FIGURE |
| Prepared by: G.M. | Scale: AS SHOWN | 14 |
| Project Mgr: L.D. | Project: 3868.0001Y000 | |
| File: 3868.0001Y112.02.DWG | | |

V:\CAD\PROJECTS\3868Y\0001Y\112\3868.0001Y112.02.DWG