Environmental, Planning, and Engineering Consultants
440 Park Avenue South, 7th Floor
New York, NY 10016
tel: 212 696-0670
fax: 212 213-3191
www.akrf.com

October 20, 2023

Ms. Jennifer Swift
Catholic Charities Progress of Peoples Development Corporation
191 Joralemon Street
Brooklyn, NY 11201

Re: 41 First Street, Brooklyn, NY
Subsurface Investigation Results
OER Project Number 23TMP1485K

Dear Ms. Swift:

AKRF, Inc. (AKRF) conducted a Subsurface Investigation (SI) on behalf of Catholic Charities Progress of Peoples Development Corporation (CCPOP or the Client) on a portion of the 41 First Street property in the Gowanus neighborhood of Brooklyn, New York (the Site). The approximately 21,807-square foot Site is also identified on the New York City Tax Map as Bronx Borough Tax Block 451, portion of Lot 25. The Site is comprised of two parking lot areas and landscaping for the adjacent Mary Star of the Sea apartment complex building. The Site is bound by Carroll Street, followed by residential and commercial buildings to the north; Bond Street, followed by residential and commercial buildings and Gowanus Canal to the east; residential buildings followed by First Street to the south; and residential buildings to the west. The Site is located in a developed area predominantly consisting of residential and commercial properties with some open space/parks, and industrial/manufacturing uses. The Site location is shown on Figure 1.

Field activities were performed on August 1 and 2, 2023, and consisted of a geophysical survey and the advancement of soil borings for the collection of soil, groundwater, and soil vapor samples for laboratory analysis. Letter This report describes the methods and results of the investigation conducted by AKRF.

Background

Based on the review of ALC Environmental's June 2022 Phase I Environmental Site Assessment (ESA), which was completed for a larger area that included the Site, the Site was historically occupied by mixed-use residential and retail buildings along Carroll Street, residential buildings along Bond Street, and a portion of a factory constructed prior to 1886. Throughout its history, the factory building consisted of tobacco manufacturing, metal packaging, paper products and box manufacturing, as well as other various manufacturing processes, and a baking company. According to city directory listings, Cafaro Jos A. Trucking Co and Fine Arts Lamps Ltd. and Fine Arts In Plastic Inc. were also listed as former tenants. Former on-site structures were demolished sometime between 1982 and 1986 and the Site has remained vacant since.

The Site contains an "E" designation for hazardous materials and is listed in the Department of City Planning "E" designation database as E-601. E-601 was established following the review of an

Environmental Assessment Statement (EAS) prepared to satisfy the requirements of the City Environmental Quality Review (CEQR) for the Gowanus Neighborhood Rezoning.

SUBSURFACE (PHASE II) INVESTIGATION

Scope of Work

A Phase II investigation/Remedial Investigation (RI) Work Plan was prepared by AKRF in June 2023 and submitted to the New York City Office of Environmental Remediation (OER) for review and approval as part of the "E" designation process. The investigation was conducted in accordance with the OER-approved work plan and included the following scope of work:

1. A geophysical survey to identify the presence of any underground storage tanks (USTs) or any buried aboveground storage tanks (ASTs) across the accessible portions of the Site;
2. Advancement of 10 soil borings across the Site and collection of 20 soil samples for laboratory analysis to evaluate soil quality;
3. Installation of 4 temporary groundwater wells and collection of 4 groundwater samples for laboratory analysis to evaluate groundwater quality; and
4. Installation of 6 temporary soil vapor probes across the Site and collection 6 soil vapor samples for chemical analysis.

The locations of the soil borings, temporary groundwater wells, and temporary soil vapor points are shown on Figure 2.

Geophysical Survey

A geophysical survey was conducted across the accessible portions of the Site prior to advancing the borings. The geophysical survey included electromagnetic (EM), radio-detection (RD), and ground penetrating radar (GPR) methods. No signs of an anomaly consistent with the presence of a UST or a buried AST were identified.

Soil Boring Advancement and Soil Sampling

Ten soil borings were advanced at the Site between August 1 and 2, 2023 by Eastern Environmental Solutions, Inc. of Manorville, New York (Eastern) using a Geoprobe® direct push drill rig to depths ranging between approximately 6 and 15 feet below surface grade (ft bsg) at the locations shown on Figure 2. Samples were collected at distinct sampling intervals up to 12 ft bsg. Soil samples were collected using five-foot long, two-inch diameter, stainless steel macrocore piston rod samplers fitted with dedicated, internal acetate liners. Soil cores were field-screened for volatile organic compounds (VOCs) using a photoionization detector (PID) and logged using the modified Burmister soil classification system. The PID was calibrated at the beginning of each field day with isobutylene gas in accordance with the manufacturer's specifications. At each boring location, AKRF field personnel recorded and documented subsurface conditions. All sampling equipment was either dedicated or decontaminated between sampling locations.

Two soil samples were submitted for chemical analysis from each soil boring from the depth intervals noted in the table below:

Sample ID	**Sample Depth (feet)**	**Approximate Corresponding Elevation**	**Proposed Location**
RI-SB-01	0-2	17-19	Proposed Building Footprint
	10-12	7-9	
RI-SB-02	0-2	17-19	

	10-12	7-9	Proposed Building Footprint
RI-SB-03	0-2	17-19	Proposed Building Footprint
	9-11	8-10	
RI-SB-04	2-4	7-9	Proposed Building Footprint
	6-8	3-5	
RI-SB-05	2-4	7-9	Proposed Building Footprint
	7-9	2-4	
RI-SB-06	2-4	7-9	Proposed Building Footprint
	6-8	3-5	
RI-SB-07*	0-2	9-11	Landscaped Area
	4-6	5-7	
RI-SB-08*	0-2	17-19	Landscaped Area
	4-6	13-15	
RI-SB-09*	0-2	17-19	Landscaped Area
	4-6	13-15	
RI-SB-10*	0-2	17-19	Landscaped Area
	4-6	13-15	

Petroleum-like odors and elevated PID readings of up to approximately 37 parts per million (ppm) were detected in soil boring SB-05 between approximately 5 and 10 feet below surface grade; therefore, the second sample from that boring was collected from the 7- to 9-foot interval. Petroleum-like odors and elevated PID readings of up to approximately 40.9 parts per million (ppm) were detected in soil boring SB-06 between approximately 6 and 9 feet below surface grade; therefore, the second sample from that boring was collected from the 6- to 8-foot interval.

Soil cuttings were used to backfill the borehole from which they originated and subsequently patched at-grade to match pre-drilling conditions. Disposable sampling equipment, including spoons, gloves, bags, paper towels, etc. that come in contact with environmental media were double bagged and disposed of as municipal trash in a facility trash dumpster as non-hazardous refuse.

Soil samples slated for laboratory analysis were labeled and placed in laboratory-supplied containers and shipped to the laboratory via courier with appropriate chain of custody documentation in accordance with United States Environmental Protection Agency (EPA) protocols to Eurofins Environment Testing (Eurofins), Edison, NJ, a New York State Department of Health Environmental Laboratory Approval Program (NYSDOH ELAP)-certified laboratory. The samples were analyzed for VOCs by EPA Method 8260, semivolatile organic compounds (SVOCs) by EPA Method 8270, 1,4-dioxane by EPA Method 8270, polychlorinated biphenyls (PCBs) by EPA Method 8082, pesticides by EPA Method 8081, and total analyte list (TAL) metals by EPA Method 6000/7000 series plus hexavalent chromium by EPA Method 7196A. Three samples (RI-SB-01_0-2_20230801, RI-SB-06_6-8_20230802 and RI-SB-07_4-6_20230802) were analyzed for NYSDEC list of 40 per- and polyfluoroalkyl substances (PFAS) compounds by EPA Method

1633. One trip blank accompanied the samples and was analyzed for VOCs by EPA Method 8260. Soil boring logs are attached.

Groundwater Monitoring Well Installation and Development

Four 1-inch diameter temporary groundwater wells (TW-01 through TW-04) were installed between August 1 and 2, 2023 using a Geoprobe® drill rig operated by Eastern at the locations shown on Figure 2. The temporary groundwater wells were constructed with 10 feet of 0.020-inch slotted polyvinyl chloride (PVC) well screen installed approximately 5 feet into the groundwater table with a solid PVC riser installed to the ground surface. Each well was finished with a No. 2 morie sandpack surrounding and at least 2 feet above the well screen.

Prior to collecting the groundwater samples, the depth to groundwater and the total well depth were measured at each of the groundwater monitoring wells using an oil/water interface probe attached to a measuring tape accurate to 0.01 foot. Groundwater samples were collected with dedicated and decontaminated sampling equipment. No free phase product was detected in any of the groundwater monitoring wells during installation, purging, or sampling. Purge water from the temporary groundwater wells was monitored periodically with a Horiba U-52 water quality monitor prior to sample collection. Due to inconsistent flow rates and slow recharge within the wells, three well volumes were purged from each well, instead of purging until water quality indicators stabilized.

Groundwater samples slated for laboratory analysis were placed in laboratory-supplied containers and shipped in accordance with appropriate EPA protocols to Eurofins. Samples were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, pesticides by EPA Method 8081, and total and dissolved TAL metals by EPA Method 6000/7000 series. Metals filtering occurred in the field. Three samples (RI-TW-01_20230802, RI-TW-02_20230803, and RI-TW-03_20230802) were also analyzed for 1,4-dioxane by EPA Method 8270D Selective Ion Monitoring (SIM) and three samples (RI-TW-02_20230803, RI-TW-03_20230802, and RI-TW-04_20230803) were analyzed for the NYSDEC list of 40 PFAS compounds by EPA Method 1633. Groundwater sampling logs are attached.

Temporary Soil Vapor Point Installation

Six temporary soil vapor points were installed by Eastern between August 1 and 2, 2023 and samples were collected for chemical analysis by AKRF. The soil vapor points were installed at depths ranging from approximately 5 to 10 feet bsg.

The temporary soil vapor sampling points were installed by advancing an expendable drive point using a Geoprobe® direct-push drill rig. At each monitoring point, a six-inch stainless steel screen implant connected to Teflon™-lined polyethylene tubing was installed through the drilling rods and threaded into the drive point. The sampling tubing was extended from the bottom end of the screen to above grade. The rods were then removed and the borings were backfilled with clean silica sand to six inches above the screen. Hydrated bentonite was used to fill the remaining void around the sampling tubing to the ground surface.

Prior to sample collection, each temporary soil vapor sampling point was purged of three sample volumes using a GilAir Plus at a flow rate of 0.2 liters per minute. During purging, a shroud was placed over each sampling point and helium gas was introduced through a small hole in the shroud to saturate the atmosphere around the sample port with helium gas. Purged vapors were collected in a Tedlar® bag and field-screened for organic vapors using a PID. The purged air was also monitored using a portable helium detector to check for short-circuiting of ambient air into the vapor sampling point. All soil vapor points passed the seal integrity tests. PID readings detected in the purged vapors ranged between non detect to 0.9 ppm (maximum).

After purging, each probe was connected via Teflon™-lined polyethylene tubing to a laboratory-supplied 6-Liter SUMMA® canister equipped with a flow regulator set to collect a sample over a two-hour sampling

period; samples were collected concurrently. Immediately after opening the flow control valve, the initial SUMMA® canister vacuum (inches of mercury) was noted. After approximately two hours, the flow controller valve was closed, the final vacuum noted, and the canister was placed in a shipping carton for delivery to the laboratory.

All samples were analyzed for VOCs by EPA Method TO-15 by Eurofins. Sample containers were labeled and shipped to the laboratory via courier with appropriate chain of custody documentation. Soil vapor sampling logs are attached.

RESULTS

Geology and Hydrogeology

Soil beneath the Site consisted of fill material (sand, gravel, silt, concrete, wood, brick, ceramic, slag, debris, asphalt, and glass) to boring termination. Bedrock was not encountered during the investigation. Groundwater was encountered in some of the borings and was measured in the temporary wells at depths between approximately 8 and 11.9 feet below surface grade, see attached sampling logs. Groundwater likely flows in a generally easterly direction beneath the Site towards the Gowanus Canal, located east of the Site.

Analytical Results

Field Screening

Petroleum-like odors and elevated PID readings of up to approximately 37 ppm were detected in soil boring SB-05 between approximately 5 and 10 feet bsg, located on the eastern central portion of the Site and up to approximately 40.9 ppm in soil boring SB-06 between approximately 6 and 9 feet below surface grade on the southeastern portion of the Site.

Soil

Soil sample analytical results were compared to the 6 New York Code of Rules and Regulations (NYCRR) Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs), Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) guidance document dated April 2023, as well as the Protection of Groundwater Soil Cleanup Objectives (PGWSCOs), the applicable Soil Cleanup Objectives (SCOs) for the proposed future use of the Site. Results are summarized in Tables 1 through 7, and on Figure 3.

VOCs were not detected at concentrations above the UUSCOs or RRSCOs. Ten SVOCs, 2-methylphenol [maximum concentration of 1.9 milligrams per kilograms (mg/kg)], 4-methylphenol (maximum concentration of 4.3 mg/kg), benzo(a)anthracene (maximum concentration of 13 mg/kg), benzo(a)pyrene (maximum concentration of 18 mg/kg), benzo(b)fluoranthene (maximum concentration of 19 mg/kg), benzo(k)fluoranthene (maximum concentration of 5.9 mg/kg), chrysene (maximum concentration of 13 mg/kg), dibenz(a,h)anthracene (maximum concentration of 3.4 mg/kg), indeno(1,2,3-cd)pyrene (maximum concentration of 13 mg/kg), and phenol (maximum concentration of 4.4 mg/kg) were detected at concentrations above UUSCOs and/or RRSCOs in 19 of the 20 samples. Total SVOCs were detected at concentrations up to an estimated 165.15 mg/kg in sample RI-SB-05_7-9_20230801.

Three pesticides (4,4'-DDD, 4,4'-DDE, 4,4'-DDT) were detected in the soil samples at concentrations above UUSCOs, but below RRSCOs. Total PCBs were detected above the UUSCO of 0.1 mg/kg, but below the RRSCO of 1 mg/kg in one sample (RI-SB-09_0-2_20230801) at a concentration of 0.13 mg/kg.

Eight metals, arsenic (maximum concentration of 13.1 mg/kg), barium (maximum concentration of 1,000 mg/kg), cadmium (maximum concentration of 3.2 mg/kg), copper (maximum concentration of 177 mg/kg), lead (maximum concentration of 2,480 mg/kg), mercury (maximum concentration of 13.5 mg/kg), nickel (maximum concentration of 40.2 mg/kg) and zinc (maximum concentration of 1,030 mg/kg) were detected above UUSCOs and/or RRSCOs in the samples analyzed. Due to high concentration of total lead, soil sample RI-SB-07_0-2_20230802 was also analyzed for toxicity characteristic leaching procedure (TCLP)

and the results were below the threshold limit for hazardous waste. Five of the 40 per- and polyfluoroalkyl substances (PFAS) analyzed for were detected in sample RI-SB-01_0-2_20230801 at estimated trace concentrations ranging from 0.024 micrograms per kilogram (µg/kg) to 1.36 µg/kg; four were detected in sample RI-SB-07_4-6_20230802 at estimated trace concentrations ranging from 0.019 µg/kg to 0.78 µg/kg; and were detected in sample RI-SB-06_6-8_20230802 at estimated trace concentrations ranging from 0.021 µg/kg to 2.23 µg/kg.

The PFAS compound perfluorooctanesulfonic acid (PFOS) exceeded its unrestricted use guidance value (UUGV) of 0.88 µg/kg in two samples, and perfluorooctanoic acid (PFOA) was detected above its UUGV in one sample. All PFAS detections were below the respective restricted residential use guidance values (RRGV). 1,4-Dioxane was not detected in the samples analyzed.

Based on the level and distribution of compounds and metals detected, they are attributable to the presence of urban fill.

Groundwater

Groundwater sample analytical results were compared to the NYSDEC Technical and Operational Guidance Series (TOGs) 1.1.1 Ambient Water Quality Standards and Guidance Values (AWQSGVs). PFAS detections were compared to the ambient water quality guidance values noted in the Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) guidance document dated April 2023. Groundwater sample analytical results are presented in Attached Tables 8 through 14. Groundwater sample concentrations exceeding AWQSGVs are shown on Figure 4.

VOCs, pesticides and PCBs were not detected at concentrations above AWQSGVs in the groundwater samples. Four SVOCs including benzo(a)anthracene (maximum concentration of 1.1 µg/L), benzo(a)pyrene (maximum concentration of 1.1 µg/L), benzo(b)fluoranthene (maximum concentration of 1.12 µg/L) and chrysene (maximum concentration of 1 µg/L) were detected above AWQSGVs in sample RI-TW-04_20230803. 1,4-Dioxane was not detected in any of the samples analyzed. Based on the concentrations, the SVOCs detected in the groundwater samples are attributable to the surrounding urban fill.

Twelve PFAS compounds were detected in sample RI-TW-02_20230803 at concentrations ranging from 1.13 ng/L to 108 ng/L; 11 PFAS compounds were detected in sample RI-TW-03_20230802 at concentrations ranging from 1.97 ng/L to 97.4 ng/L; and 11 PFAS compounds were detected in sample RI-TW-04_20230803 at concentrations ranging from 1.57 ng/L to 113 ng/L. Of compounds with guidance values, PFOA was detected in each of the three samples at concentrations ranging from 60.7 ng/L to 169 ng/L, above the guidance value of 6.7 ng/L, and PFOS was detected in each of the three samples at concentrations ranging from 79.7 ng/L to 113 ng/L, above the guidance value of 2.7 ng/L.

Metals, 10 in total (unfiltered) metals analyses and three in dissolved (filtered) metals analyses, were detected above AWQSGVs in the groundwater samples, as summarized in the table below.

Groundwater Exceedances of Metals

Compound	Sample Identification	NYSDEC AWQSGV (µg/L)	Total Sample Concentration (µg/L)	Dissolved Sample Concentration (µg/L)
Arsenic	RI-TW-01_20230801	25	45.1	NE
Barium	RI-TW-01_20230801	1,000	1,480	NE

Chromium	RI-TW-01_20230801	50	280	NE
Copper	RI-TW-01_20230801	200	406	NE
Iron	RI-TW-01_20230801	300	223,000	NE
	RI-TW-02_20230803		33,300	NE
	RI-TW-03_20230802		2,840	1,360
	RI-TW-04_20230803		15,900	NE
Lead	RI-TW-01_20230801	25	549	NE
	RI-TW-02_20230803		39.7	NE
	RI-TW-04_20230803		1,440	NE
Manganese	RI-TW-01_20230801	300	5,040	342 B
	RI-TW-02_20230803		1,130	NE
	RI-TW-04_20230803		524	918
Mercury	RI-TW-01_20230801	0.7	0.84	NE
Nickel	RI-TW-01_20230801	100	698	NE
Sodium	RI-TW-01_20230801	20,000	50,600	53,500
	RI-TW-02_20230803		37,200	31,100
	RI-TW-04_20230803		NE	26,800
NE – No Exceedance				

The total metals concentrations detected in the groundwater samples is attributable to the surrounding fill. The three dissolved metals exceeding the AWQSGVs are most likely naturally occurring and are not attributable to past Site and surrounding land use activities.

Soil Vapor

There are currently no published guidelines for soil vapor; therefore, soil vapor data is presented without comparative standards. Results are summarized in Table 15 and on Figure 5.

Concentrations of petroleum-related and chlorinated solvents were detected in the samples at concentrations ranging from 0.19 µg/m^3 to 6,400 µg/m^3. Elevated concentrations of the chlorinated VOC tetrachloroethylene (PCE) was detected in soil vapor sample RI-SV-05_20230801 (collected from the eastern portion of the Site) at 330 µg/m^3 and carbon tetrachloride was detected at a concentration of 6,400 µg/m^3 in sample RI-SV-03_20230801 (collected from the central portion of the Site, former industrial use area).

CONCLUSIONS

Based on the results of this investigation, the soil and groundwater contaminants appear to be associated with historic fill, though some influence from past on-site activities cannot be ruled out. The organic compounds detected in the soil vapor are attributable to regional conditions from past historical manufacturing activities and former industrial/manufacturing activities at the Site.

This report summarizes the results of the OER-approved investigation. However, it is not presented using the agency's required Remedial Investigation Report (RIR) template for agency submission purposes.

LIMITATIONS

The findings set forth in this report are strictly limited in scope and time to the date of the evaluation described herein. The conclusions and recommendations presented in the report are based solely on the services and any limitations described in this report.

This report may contain conclusions that are based on the analysis of data collected at the time and locations noted in the report through intrusive or non-intrusive sampling. However, further investigation might reveal additional data or variations of the current data, which may differ from our understanding of the conditions presented in this report and require the enclosed recommendations to be reevaluated or modified.

Chemical analyses may have been performed for specific parameters during the course of this investigation, as summarized in the text and tables. It should be noted that additional chemical constituents, not searched for during this investigation, may be present at the site. Due to the nature of the investigation and the limited data available, no warranty, expressed or implied, shall be construed with respect to undiscovered liabilities. The presence of biological hazards, radioactive materials, lead-based paint and asbestos-containing materials was not investigated, unless specified in the report.

Interpretations of the data, including comparison to regulatory standards, guidelines or background values, are not opinions that these comparisons are legally applicable. Furthermore, any conclusions or recommendations should not be construed as legal advice. For such advice, the client is recommended to seek appropriate legal counsel. Disturbance, handling, transportation, storage and disposal of known or potentially contaminated materials is subject to all applicable laws, which may or may not be fully described as part of this report.

The analytical data, conclusions, and/or recommendations provided in this report should not be construed in any way as a classification of waste that may be generated during future disturbance of the project site. Waste(s) generated at the site including excess fill may be considered regulated solid waste and potentially hazardous waste. Requirements for intended disposal facilities should be determined beforehand as the data provided in this report may be insufficient and could vary following additional sampling.

This report may be based solely or partially on data collected, conducted, and provided by, AKRF and/or others. No warranty is expressed or implied by usage of such data. Such data may be included in other investigation reports or documentation. In addition, these reports may have been based upon available previous reports, historical records, documentation from federal, state and local government agencies, personal interviews, and geological mapping. This report is subject, at a minimum, to the limitations of the previous reports, historical documents, availability, and accuracy of collected documentation, and personal

recollection of those persons interviewed. In certain instances, AKRF has been required to assume that the information provided is accurate with limited or no corroboratory evidence.

This report is intended for the use solely by Catholic Charities Progress of Peoples Development Corporation. Reliance by third parties on the information and opinions contained herein is strictly prohibited and requires the written consent of AKRF. AKRF accepts no responsibility for damages incurred by third parties for any decisions or actions taken based on this report. This report must be used, interpreted, and presented in its entirety.

Please call me at (646) 388-9529 if you have any questions or comments.

Sincerely,
AKRF, Inc.

Axel Schwendt
Vice President

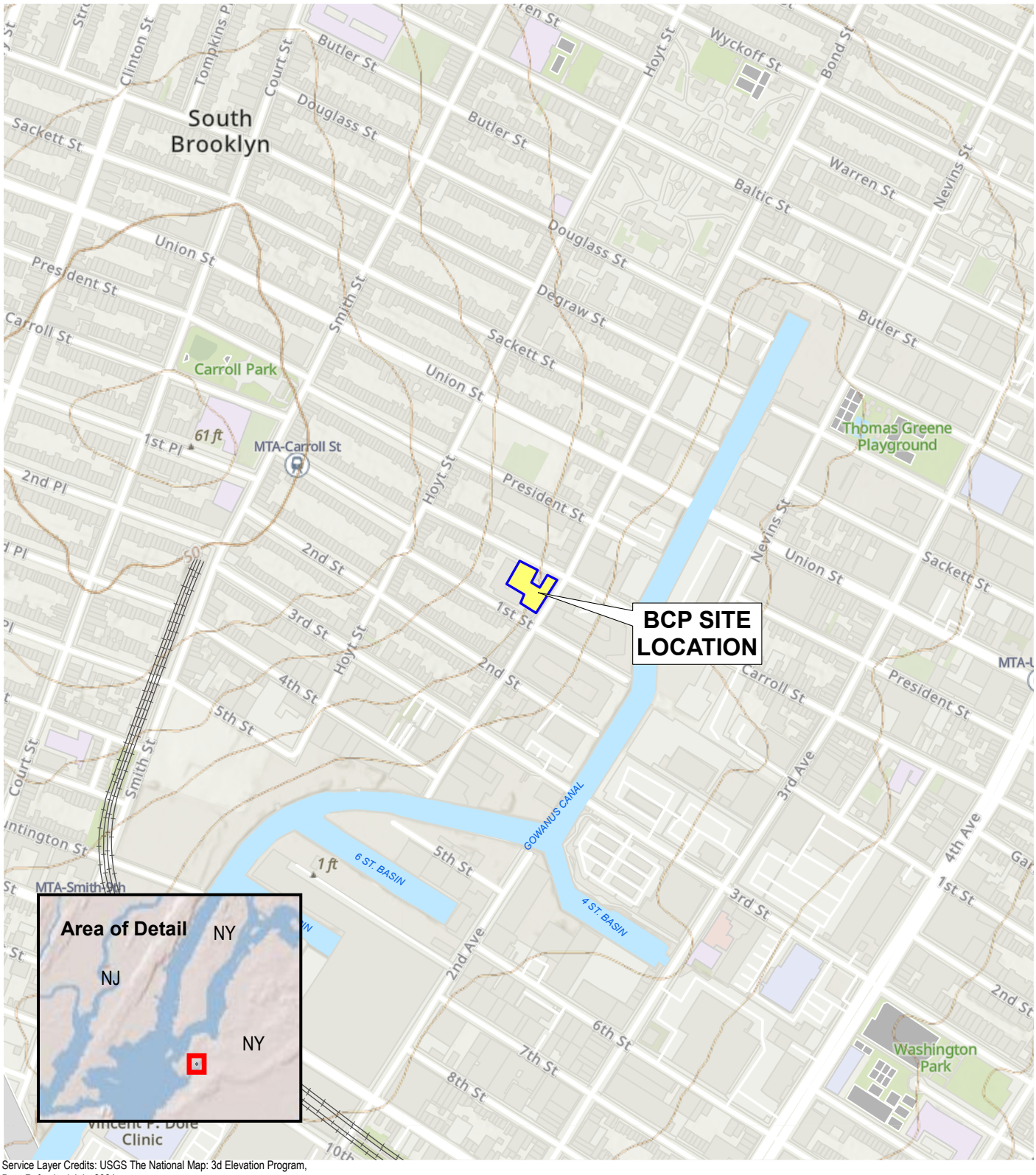
cc: Ashutosh Sharma, Jessica Holm / AKRF

Enc.

Tables 1 through 15 – Laboratory Analytical Results

Soil Boring Logs, Groundwater Sampling Logs, and Soil Vapor Sampling Logs

Figure 1 – Site Location
Figure 2 – Site Plan and Sample Locations
Figure 3 – Soil Samples Above NYSDEC UUSCOs and/or RRSCOs
Figure 4 – Groundwater Sample Concentrations above NYSDEC AWQSGVs
Figure 5 – Soil Vapor Sample Concentrations



Service Layer Credits: USGS The National Map: 3d Elevation Program, Data Refreshed July, 2021

0 600 1,200

SCALE IN FEET

N

AKRF O:\Projects\230346 - 41 FIRST ST, BROOKLYN\SAR\230346 BCP phase II Figures.aprx10/20/2023 1:07 PM230346 Fig 1 site locationjszalus

AKRF
440 Park Avenue South, New York, NY 10016

41 1st Street
Brooklyn, New York

BCP SITE LOCATION

DATE
10/20/2023

PROJECT NO.
230346

FIGURE
1

LEGEND

- PROJECT SITE BOUNDARY
- 20 — LOT BOUNDARY AND TAX LOT NUMBER
- 444 — BLOCK NUMBER
- EXISTING BUILDING
- EXISTING ASPHALT PAVED PARKING
- EXISTING LANDSCAPED AREA
- HISTORIC MANUFACTURING AREA (VARIOUS MANUFACTURING PROCESSES INCLUDING TOBACCO, METAL PACKAGING, BOX AND PAPER PRODUCTS, AND A BAKING COMPANY)
- SOIL BORING
- SOIL BORING/TEMPORARY WELL
- TEMPORARY WELL
- SOIL BORING/SOIL VAPOR POINT
- SOIL VAPOR POINT
- AMBIENT AIR SAMPLE LOCATION

0 20 40 80

SCALE IN FEET

Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database

AKRF
440 Park Avenue South, New York, NY 10016

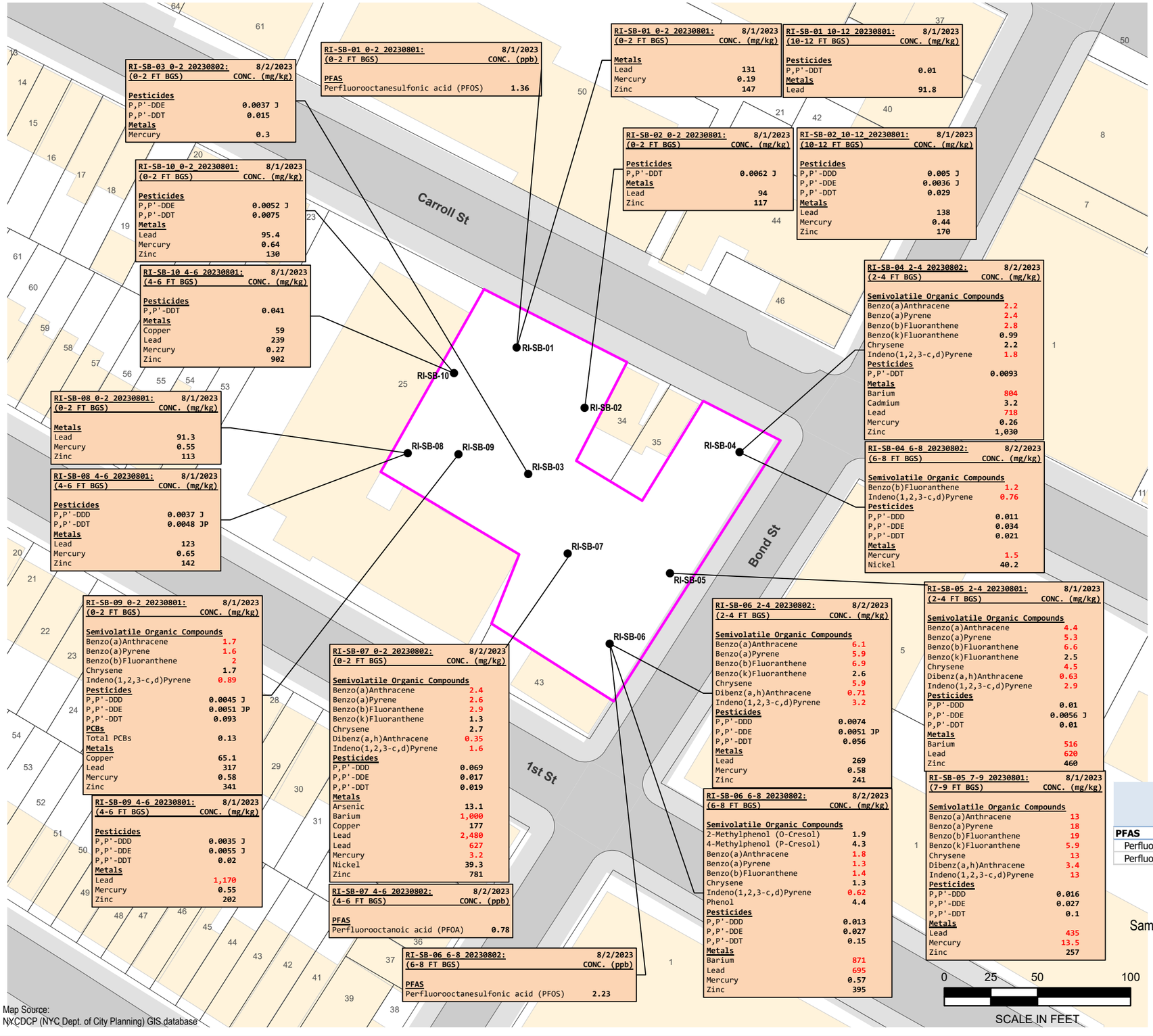
41 1st Street
Brooklyn, New York

SITE PLAN AND SAMPLE LOCATIONS

DATE
10/20/2023

PROJECT NO.
230346

FIGURE
2



LEGEND

- PROJECT SITE BOUNDARY
- 20 LOT BOUNDARY AND TAX LOT NUMBER
- 2389 BLOCK NUMBER
- EXISTING BUILDING
- SOIL BORING LOCATION

Part 375 Soil Cleanup Objectives (SCOs): SCOs listed in the New York State Department of Environmental Conservation (NYSDEC) "Part 375" Regulations (6 NYCRR Part 375).

Exceedances of NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) are presented in bold font.

Exceedances of NYSDEC Restricted Residential Soil Cleanup Objectives (RRSCOs) are presented in red.

mg/kg:milligrams per kilogram = parts per million (ppm)
J: The concentration given is an estimated value.
P: Indicates a pesticide/aroclor target analyte had a percent difference greater than 25% between the two gc columns. The lower of the two results is reported.

	PART 375 RESTRICTED RESIDENTIAL mg/kg	PART 375 UNRESTRICTED mg/kg
Semivolatile Organic Compounds		
2-Methylphenol (O-Cresol)	100	0.33
4-Methylphenol (P-Cresol)	100	0.33
Benzo(a)Anthracene	1	1
Benzo(a)Pyrene	1	1
Benzo(b)Fluoranthene	1	1
Benzo(k)Fluoranthene	3.9	0.8
Chrysene	3.9	1
Dibenz(a,h)Anthracene	0.33	0.33
Indeno(1,2,3-c,d)Pyrene	0.5	0.5
Phenol	100	0.33
Metals		
Arsenic	16	13
Barium	400	350
Cadmium	4.3	2.5
Copper	270	50
Lead	400	63
Mercury	0.81	0.18
Nickel	310	30
Zinc	10,000	109
PCBs		
Total PCBs	1	0.1
Pesticides		
P,P'-DDD	13	0.0033
P,P'-DDE	8.9	0.0033
P,P'-DDT	7.9	0.0033

	NYSDEC PFAS GUIDANCE VALUES_UUSCOs ppb	NYSDEC PFAS GUIDANCE VALUES RRSCOs ppb
PFAS		
Perfluorooctanesulfonic acid (PFOS)	0.88	44
Perfluorooctanoic acid (PFOA)	0.66	33

Sample ID — Sample Date

RI-SB-01 0-2 20230801: 8/1/2023
(0-2 FT BGS) CONC. (mg/kg)
Metals
Lead 131
Mercury 0.19

Analyte/Compound — Concentration

AKRF
440 Park Avenue South, New York, NY 10016

41 1st Street
Brooklyn, New York

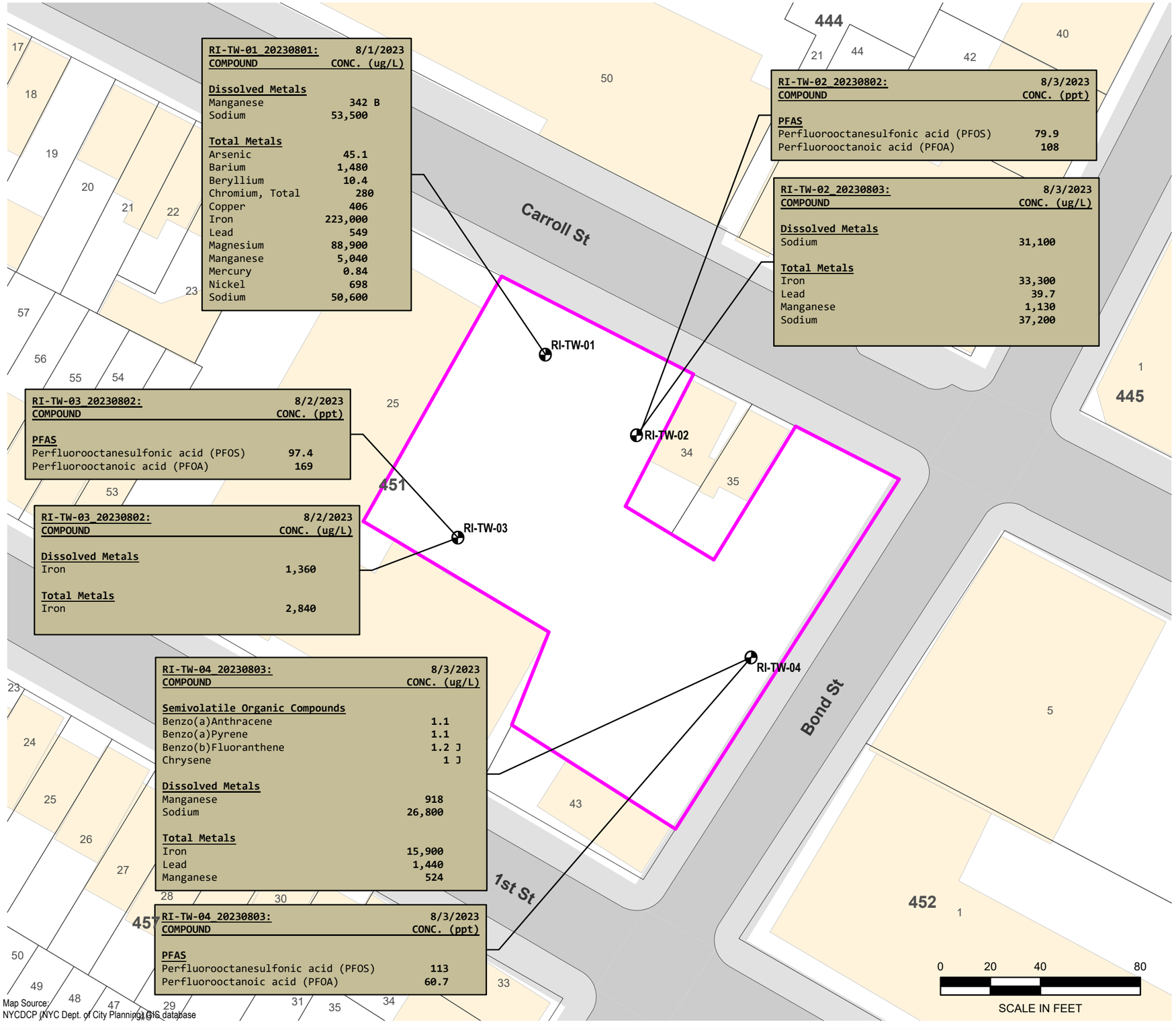
Soil Sample Concentrations Above NYSDEC UUSCOs and/or RRSCOs

DATE
10/20/2023

PROJECT NO.
230346

FIGURE
3

AKRF O:\Projects\230346 - 41 FIRST ST, BROOKLYN\SAR\230346 BCP phase II Figures.aprx 10/20/2023 9:53 AM 230346 Fig 3 Soil Sample Concentrations Above NYSDEC UUSCOs and_or RRSCOs jszalus



RI-TW-01_20230801: 8/1/2023

COMPOUND	CONC. (ug/L)
Dissolved Metals	
Manganese	342 B
Sodium	53,500
Total Metals	
Arsenic	45.1
Barium	1,480
Beryllium	10.4
Chromium, Total	280
Copper	406
Iron	223,000
Lead	549
Magnesium	88,900
Manganese	5,040
Mercury	0.84
Nickel	698
Sodium	50,600

RI-TW-02_20230802: 8/3/2023

COMPOUND	CONC. (ppt)
PFAS	
Perfluorooctanesulfonic acid (PFOS)	79.9
Perfluorooctanoic acid (PFOA)	108

RI-TW-02_20230803: 8/3/2023

COMPOUND	CONC. (ug/L)
Dissolved Metals	
Sodium	31,100
Total Metals	
Iron	33,300
Lead	39.7
Manganese	1,130
Sodium	37,200

RI-TW-03_20230802: 8/2/2023

COMPOUND	CONC. (ppt)
PFAS	
Perfluorooctanesulfonic acid (PFOS)	97.4
Perfluorooctanoic acid (PFOA)	169

RI-TW-03_20230802: 8/2/2023

COMPOUND	CONC. (ug/L)
Dissolved Metals	
Iron	1,360
Total Metals	
Iron	2,840

RI-TW-04_20230803: 8/3/2023

COMPOUND	CONC. (ug/L)
Semivolatile Organic Compounds	
Benzo(a)Anthracene	1.1
Benzo(a)Pyrene	1.1
Benzo(b)Fluoranthene	1.2 J
Chrysene	1 J
Dissolved Metals	
Manganese	918
Sodium	26,800
Total Metals	
Iron	15,900
Lead	1,440
Manganese	524

RI-TW-04_20230803: 8/3/2023

COMPOUND	CONC. (ppt)
PFAS	
Perfluorooctanesulfonic acid (PFOS)	113
Perfluorooctanoic acid (PFOA)	60.7

LEGEND

- PROJECT SITE BOUNDARY
- 20 LOT BOUNDARY AND TAX LOT NUMBER
- 2389 BLOCK NUMBER
- EXISTING BUILDING
- TEMPORARY WELL

NYSDEC TOGS Class GA Ambient Water Quality Standard and Guidance Values (AWQSGVs) and/or Screening Levels:

New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) (1.1.1): April 2023

µg/L: micrograms per Liter = parts per billion (ppb)
ng/L : nanograms per Liter = parts per trillion (ppt)

Only Exceedances of NYSDEC AWQSGVs are shown in bold font.

PFAS: Per- and polyfluoroalkyl substances
PFOA: Perfluorooctanoic acid
PFOS: Perfluorooctanesulfonic acid

B: Indicates the analyte is detected in the associated blank as well as in the sample.
J: The reported value is estimated.

	NYSDEC AWQSGVs µg/l
Semivolatile Organic Compounds	
Benzo(a)Anthracene	0.002
Benzo(a)Pyrene	0
Benzo(b)Fluoranthene	0.002
Chrysene	0.002
Metals	
Arsenic	25
Barium	1,000
Beryllium	3
Chromium, Total	50
Copper	200
Iron	300
Lead	25
Magnesium	35,000
Manganese	300
Mercury	0.7
Nickel	100
Sodium	20,000

	PFAS Screening Levels Groundwater ppt
PFAS	
Perfluorooctanesulfonic acid (PFOS)	2.7
Perfluorooctanoic acid (PFOA)	6.7

Sample ID — Sample Date

RI-TW-04_20230803: 8/3/2023

COMPOUND	CONC. (ppt)
PFAS	
Perfluorooctanesulfonic acid (PFOS)	113
Perfluorooctanoic acid (PFOA)	60.7

Analyte/Compound — Concentration

Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database

AKRF
440 Park Avenue South, New York, NY 10016

41 1st Street
Brooklyn, New York

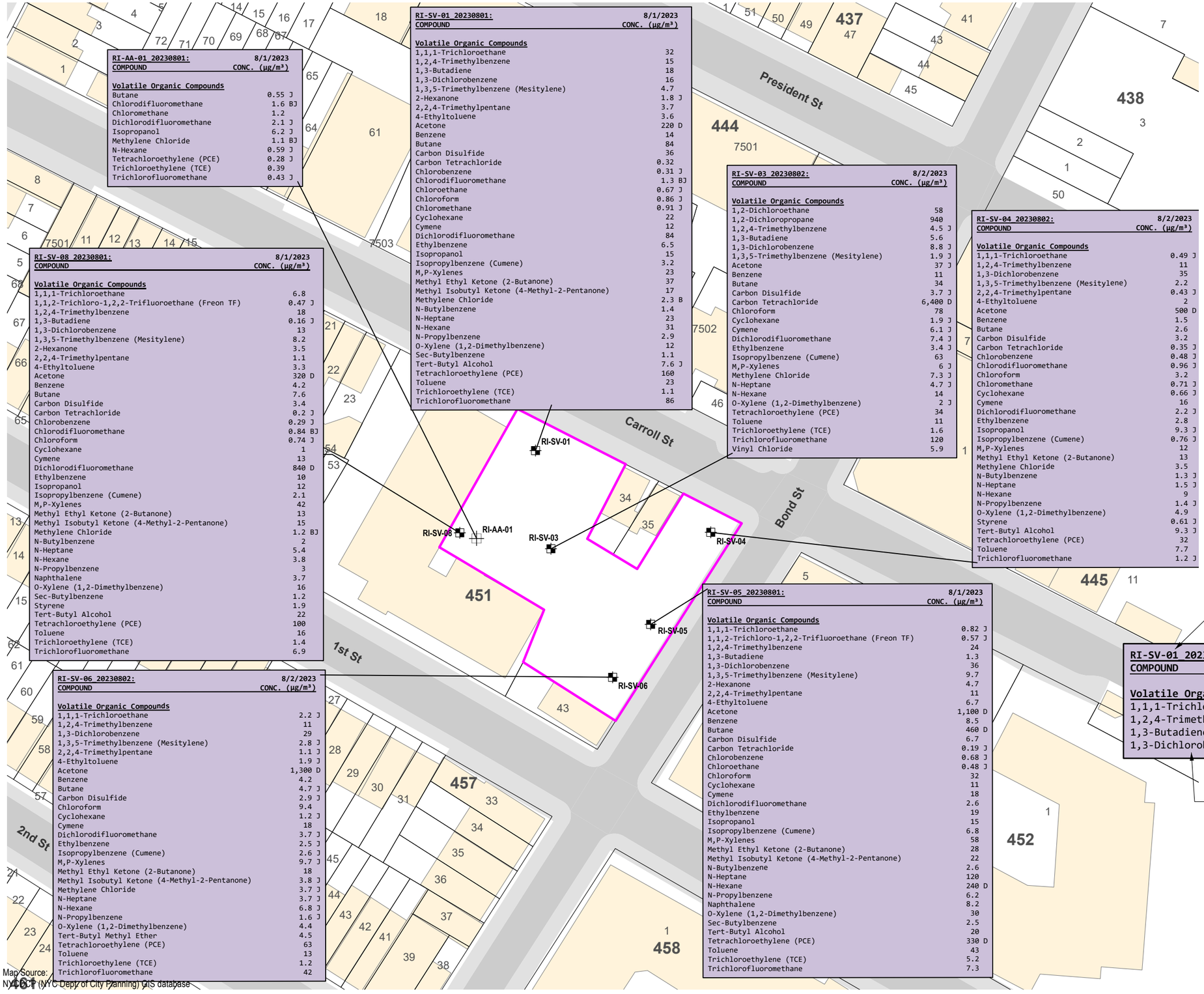
Groundwater Sample Concentrations above NYSDEC AWQSGVs and PFAS Guidance Values

DATE
10/20/2023

PROJECT NO.
230346

FIGURE
4

AKRF O:\Projects\230346 - 41 FIRST ST, BROOKLYN\SAR\230346 BCP phase II Figures.aprx 10/20/2023 10:53 AM 230346 Fig 4 Groundwater Sample Concentrations Above AWQSGVs and PFAS Values jszalus



LEGEND

- PROJECT SITE BOUNDARY
- 20 — LOT BOUNDARY AND TAX LOT NUMBER
- 2389 BLOCK NUMBER
- BUILDING
- SOIL VAPOR POINT
- AMBIENT AIR SAMPLE LOCATION

SOIL VAPOR

µg/m³- micrograms per cubic meter

B: Indicates the analyte is detected in the associated blank as well as in the sample.
J: The reported value is estimated
D: Analyte concentration obtained from dilution.

Map Source:
NYCDCP (NYC Dept of City Planning) GIS database

AKRF O:\Projects\230346 - 41 FIRST ST, BROOKLYN\SAR\230346 BCP phase II Figures.aprx 10/20/2023 11:06 AM 230346 Fig 5 Soil Vapor Concentrations jszalus

AKRF
440 Park Avenue South, New York, NY 10016

41 1st Street
Brooklyn, New York

SOIL VAPOR CONCENTRATIONS

DATE
10/20/2023

PROJECT NO.
230346

FIGURE
5

Table 1
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

				AKRF Sample ID	RI-SB-01_0-2_20230801	RI-SB-01_10-12_20230801	RI-SB-02_0-2_20230801	RI-SB-02_10-12_20230801
				Laboratory Sample ID	460-285294-1	460-285294-2	460-285294-3	460-285294-4
				Date Sampled	8/01/2023	8/01/2023	8/01/2023	8/01/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,1,2,2-Tetrachloroethane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,1,2-Trichloroethane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,1-Dichloroethane	0.27	26	0.27		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,1-Dichloroethene	0.33	100	0.33		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,2,3-Trichlorobenzene	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,2,4-Trichlorobenzene	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,2,4-Trimethylbenzene	3.6	52	3.6		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,2-Dichlorobenzene	1.1	100	1.1		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,2-Dichloroethane	0.02	3.1	0.02		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,2-Dichloropropane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,3-Dichlorobenzene	2.4	49	2.4		0.0012 U	0.0012 U	0.001 U	0.00094 U
1,4-Dichlorobenzene	1.8	13	1.8		0.0012 U	0.0012 U	0.001 U	0.00094 U
2-Hexanone	NS	NS	NS		0.0061 U	0.006 U	0.0052 U	0.0047 U
Acetone	0.05	100	0.05		0.0073 U	0.0072 U	0.0063 U	0.0056 U
Benzene	0.06	4.8	0.06		0.0012 U	0.0012 U	0.001 U	0.00094 U
Bromochloromethane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Bromodichloromethane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Bromoform	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Bromomethane	NS	NS	NS		0.0024 U	0.0024 U	0.0021 U	0.0019 U
Carbon Disulfide	NS	NS	NS		0.0012 UT	0.0012 UT	0.001 UT	0.00094 UT
Carbon Tetrachloride	0.76	2.4	0.76		0.0012 U	0.0012 U	0.001 U	0.00094 U
Chlorobenzene	1.1	100	1.1		0.0012 U	0.0012 U	0.001 U	0.00094 U
Chloroethane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Chloroform	0.37	49	0.37		0.0012 U	0.0012 U	0.001 U	0.00094 U
Chloromethane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Cis-1,2-Dichloroethylene	0.25	100	0.25		0.0012 U	0.0012 U	0.001 U	0.00094 U
Cis-1,3-Dichloropropene	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Cyclohexane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Dibromochloromethane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Dichlorodifluoromethane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Ethylbenzene	1	41	1		0.0012 U	0.0012 U	0.001 U	0.00094 U
Isopropylbenzene (Cumene)	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
M,P-Xylenes	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Methyl Acetate	NS	NS	NS		0.0061 U	0.006 U	0.0052 U	0.0047 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12		0.0061 U	0.006 U	0.0052 U	0.0047 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS		0.0061 U	0.006 U	0.0052 U	0.0047 U
Methylcyclohexane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Methylene Chloride	0.05	100	0.05		0.0024 U	0.0024 U	0.0021 U	0.0019 U
N-Butylbenzene	12	100	12		0.0012 U	0.0012 U	0.001 U	0.00094 U
N-Propylbenzene	3.9	100	3.9		0.0012 U	0.0012 U	0.001 U	0.00094 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Sec-Butylbenzene	11	100	11		0.0012 U	0.0012 U	0.001 U	0.00094 U
Styrene	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
T-Butylbenzene	5.9	100	5.9		0.0012 U	0.0012 U	0.001 U	0.00094 U
Tert-Butyl Methyl Ether	0.93	100	0.93		0.0012 U	0.0012 U	0.001 U	0.00094 U
Tetrachloroethylene (PCE)	1.3	19	1.3		0.00056 J	0.0012 U	0.001	0.00063 J
Toluene	0.7	100	0.7		0.0012 U	0.0012 U	0.001 U	0.00094 U
Trans-1,2-Dichloroethene	0.19	100	0.19		0.0012 U	0.0012 U	0.001 U	0.00094 U
Trans-1,3-Dichloropropene	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Trichloroethylene (TCE)	0.47	21	0.47		0.0012 U	0.0012 U	0.001 U	0.00094 U
Trichlorofluoromethane	NS	NS	NS		0.0012 U	0.0012 U	0.001 U	0.00094 U
Vinyl Chloride	0.02	0.9	0.02		0.0012 U	0.0012 U	0.001 U	0.00094 U
Xylenes, Total	0.26	100	1.6		0.0024 U	0.0024 U	0.0021 U	0.0019 U

Table 1
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

				AKRF Sample ID	RI-SB-03_0-2_20230802	RI-SB-03_9-11_20230802	RI-SB-04_2-4_20230802	RI-SB-04_6-8_20230802
				Laboratory Sample ID	460-285367-1	460-285367-2	460-285367-3	460-285367-4
				Date Sampled	8/02/2023	8/02/2023	8/02/2023	8/02/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,1,2,2-Tetrachloroethane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,1,2-Trichloroethane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,1-Dichloroethane	0.27	26	0.27		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,1-Dichloroethene	0.33	100	0.33		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,2,3-Trichlorobenzene	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,2,4-Trichlorobenzene	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,2,4-Trimethylbenzene	3.6	52	3.6		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,2-Dichlorobenzene	1.1	100	1.1		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,2-Dichloroethane	0.02	3.1	0.02		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,2-Dichloropropane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,3-Dichlorobenzene	2.4	49	2.4		0.0015 U	0.00098 U	0.002 U	0.0014 U
1,4-Dichlorobenzene	1.8	13	1.8		0.0015 U	0.00098 U	0.002 U	0.0014 U
2-Hexanone	NS	NS	NS		0.0075 U	0.0049 U	0.0098 U	0.0069 U
Acetone	0.05	100	0.05		0.009 U	0.0059 U	0.012 U	0.0082 U
Benzene	0.06	4.8	0.06		0.0015 U	0.00098 U	0.002 U	0.0014 U
Bromochloromethane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Bromodichloromethane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Bromoform	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Bromomethane	NS	NS	NS		0.003 U	0.002 U	0.0039 U	0.0027 U
Carbon Disulfide	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Carbon Tetrachloride	0.76	2.4	0.76		0.0015 U	0.00098 U	0.002 U	0.0014 U
Chlorobenzene	1.1	100	1.1		0.0015 U	0.00098 U	0.002 U	0.0014 U
Chloroethane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Chloroform	0.37	49	0.37		0.0015 U	0.00098 U	0.002 U	0.0014 U
Chloromethane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Cis-1,2-Dichloroethylene	0.25	100	0.25		0.0015 U	0.00098 U	0.002 U	0.0014 U
Cis-1,3-Dichloropropene	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Cyclohexane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Dibromochloromethane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Dichlorodifluoromethane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Ethylbenzene	1	41	1		0.0015 U	0.00098 U	0.002 U	0.0014 U
Isopropylbenzene (Cumene)	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
M,P-Xylenes	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Methyl Acetate	NS	NS	NS		0.0075 U	0.0049 U	0.0098 U	0.0069 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12		0.0075 U	0.0049 U	0.0098 U	0.0069 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS		0.0075 U	0.0049 U	0.0098 U	0.0069 U
Methylcyclohexane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Methylene Chloride	0.05	100	0.05		0.003 U	0.002 U	0.0039 U	0.0027 U
N-Butylbenzene	12	100	12		0.0015 U	0.00098 U	0.002 U	0.0014 U
N-Propylbenzene	3.9	100	3.9		0.0015 U	0.00098 U	0.002 U	0.0014 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Sec-Butylbenzene	11	100	11		0.0015 U	0.00098 U	0.002 U	0.0014 U
Styrene	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
T-Butylbenzene	5.9	100	5.9		0.0015 U	0.00098 U	0.002 U	0.0014 U
Tert-Butyl Methyl Ether	0.93	100	0.93		0.0015 U	0.00098 U	0.002 U	0.0014 U
Tetrachloroethylene (PCE)	1.3	19	1.3		0.0015 U	0.00098 U	0.002 U	0.0014 U
Toluene	0.7	100	0.7		0.0015 U	0.00098 U	0.002 U	0.00067 J
Trans-1,2-Dichloroethene	0.19	100	0.19		0.0015 U	0.00098 U	0.002 U	0.0014 U
Trans-1,3-Dichloropropene	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Trichloroethylene (TCE)	0.47	21	0.47		0.0015 U	0.00098 U	0.002 U	0.0014 U
Trichlorofluoromethane	NS	NS	NS		0.0015 U	0.00098 U	0.002 U	0.0014 U
Vinyl Chloride	0.02	0.9	0.02		0.0015 U	0.00098 U	0.002 U	0.0014 U
Xylenes, Total	0.26	100	1.6		0.003 U	0.002 U	0.0039 U	0.0027 U

Table 1
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

				AKRF Sample ID	RI-SB-05_2-4_20230801	RI-SB-05_7-9_20230801	RI-SB-06_2-4_20230802	RI-SB-06_6-8_20230802
				Laboratory Sample ID	460-285294-11	460-285294-12	460-285367-5	460-285367-6
				Date Sampled	8/01/2023	8/01/2023	8/02/2023	8/02/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,1,2,2-Tetrachloroethane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,1,2-Trichloroethane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,2,3-Trichlorobenzene	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,2,4-Trichlorobenzene	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,2,4-Trimethylbenzene	3.6	52	3.6		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,2-Dichloropropane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	2.4		0.0013 U	0.0012 U	0.0011 U	0.0011 U
1,4-Dichlorobenzene	1.8	13	1.8		0.0013 U	0.0012 U	0.0011 U	0.0011 U
2-Hexanone	NS	NS	NS		0.0066 U	0.0058 U	0.0057 U	0.0053 U
Acetone	0.05	100	0.05		0.0079 U	0.021	0.0069 U	0.029
Benzene	0.06	4.8	0.06		0.0029	0.0012 U	0.0011 U	0.0011 U
Bromochloromethane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Bromodichloromethane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Bromoform	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Bromomethane	NS	NS	NS		0.0026 U	0.0023 U	0.0023 U	0.0021 U
Carbon Disulfide	NS	NS	NS		0.0013 U	0.00032 J	0.0011 U	0.0062
Carbon Tetrachloride	0.76	2.4	0.76		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Chlorobenzene	1.1	100	1.1		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Chloroethane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Chloroform	0.37	49	0.37		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Chloromethane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Cis-1,3-Dichloropropene	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Cyclohexane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Dibromochloromethane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Dichlorodifluoromethane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Ethylbenzene	1	41	1		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Isopropylbenzene (Cumene)	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
M,P-Xylenes	NS	NS	NS		0.0005 J	0.0012 U	0.0011 U	0.0002 J
Methyl Acetate	NS	NS	NS		0.0066 U	0.0058 U	0.0057 U	0.0053 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12		0.0066 U	0.0043 J	0.0057 U	0.006
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS		0.0066 U	0.0058 U	0.0057 U	0.0053 U
Methylcyclohexane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Methylene Chloride	0.05	100	0.05		0.0026 U	0.0023 U	0.0023 U	0.0021 U
N-Butylbenzene	12	100	12		0.0013 U	0.0012 U	0.0011 U	0.0011 U
N-Propylbenzene	3.9	100	3.9		0.0013 U	0.0012 U	0.0011 U	0.0003 J
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Sec-Butylbenzene	11	100	11		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Styrene	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
T-Butylbenzene	5.9	100	5.9		0.0013 U	0.0012 U	0.0011 U	0.00047 J
Tert-Butyl Methyl Ether	0.93	100	0.93		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	19	1.3		0.00048 J	0.0012 U	0.0011 U	0.0011 U
Toluene	0.7	100	0.7		0.0012 J	0.0012 U	0.0011 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.19		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Trans-1,3-Dichloropropene	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Trichlorofluoromethane	NS	NS	NS		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Vinyl Chloride	0.02	0.9	0.02		0.0013 U	0.0012 U	0.0011 U	0.0011 U
Xylenes, Total	0.26	100	1.6		0.0005 J	0.0023 U	0.0023 U	0.0002 J

Table 1
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

				AKRF Sample ID	RI-SB-07_0-2_20230802	RI-SB-07_4-6_20230802	RI-SB-08_0-2_20230801	RI-SB-08_4-6_20230801
				Laboratory Sample ID	460-285367-7	460-285367-8	460-285294-5	460-285294-6
				Date Sampled	8/02/2023	8/02/2023	8/01/2023	8/01/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,1,2,2-Tetrachloroethane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,1,2-Trichloroethane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,1-Dichloroethane	0.27	26	0.27		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,1-Dichloroethene	0.33	100	0.33		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,2,3-Trichlorobenzene	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,2,4-Trichlorobenzene	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,2,4-Trimethylbenzene	3.6	52	3.6		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,2-Dichlorobenzene	1.1	100	1.1		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,2-Dichloroethane	0.02	3.1	0.02		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,2-Dichloropropane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,3-Dichlorobenzene	2.4	49	2.4		0.0014 U	0.0015 U	0.0013 U	0.0014 U
1,4-Dichlorobenzene	1.8	13	1.8		0.0014 U	0.0015 U	0.0013 U	0.0014 U
2-Hexanone	NS	NS	NS		0.0068 U	0.0073 U	0.0065 U	0.0072 U
Acetone	0.05	100	0.05		0.0082 U	0.0087 U	0.0078 U	0.0087 U
Benzene	0.06	4.8	0.06		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Bromochloromethane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Bromodichloromethane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Bromoform	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Bromomethane	NS	NS	NS		0.0027 U	0.0029 U	0.0026 U	0.0029 U
Carbon Disulfide	NS	NS	NS		0.0014 U	0.0015 U	0.0013 UT	0.0014 UT
Carbon Tetrachloride	0.76	2.4	0.76		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Chlorobenzene	1.1	100	1.1		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Chloroethane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Chloroform	0.37	49	0.37		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Chloromethane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Cis-1,2-Dichloroethylene	0.25	100	0.25		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Cis-1,3-Dichloropropene	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Cyclohexane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Dibromochloromethane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Dichlorodifluoromethane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Ethylbenzene	1	41	1		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Isopropylbenzene (Cumene)	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
M,P-Xylenes	NS	NS	NS		0.0014 U	0.0015 U	0.001 J	0.0014 U
Methyl Acetate	NS	NS	NS		0.0068 U	0.0073 U	0.0065 U	0.0072 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12		0.0068 U	0.0073 U	0.0065 U	0.0072 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS		0.0068 U	0.0073 U	0.0065 U	0.0072 U
Methylcyclohexane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Methylene Chloride	0.05	100	0.05		0.0027 U	0.0029 U	0.0026 U	0.0029 U
N-Butylbenzene	12	100	12		0.0014 U	0.0015 U	0.0013 U	0.0014 U
N-Propylbenzene	3.9	100	3.9		0.0014 U	0.0015 U	0.0013 U	0.0014 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS		0.0014 U	0.0015 U	0.00054 J	0.0014 U
Sec-Butylbenzene	11	100	11		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Styrene	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
T-Butylbenzene	5.9	100	5.9		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Tert-Butyl Methyl Ether	0.93	100	0.93		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Tetrachloroethylene (PCE)	1.3	19	1.3		0.0014 U	0.0015 U	0.0013 U	0.00046 J
Toluene	0.7	100	0.7		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Trans-1,2-Dichloroethene	0.19	100	0.19		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Trans-1,3-Dichloropropene	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Trichloroethylene (TCE)	0.47	21	0.47		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Trichlorofluoromethane	NS	NS	NS		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Vinyl Chloride	0.02	0.9	0.02		0.0014 U	0.0015 U	0.0013 U	0.0014 U
Xylenes, Total	0.26	100	1.6		0.0027 U	0.0029 U	0.0016 J	0.0029 U

Table 1
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

				AKRF Sample ID	RI-SB-09_0-2_20230801	RI-SB-09_4-6_20230801	RI-SB-10_0-2_20230801	RI-SB-10_4-6_20230801
				Laboratory Sample ID	460-285294-7	460-285294-8	460-285294-9	460-285294-10
				Date Sampled	8/01/2023	8/01/2023	8/01/2023	8/01/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,1,2,2-Tetrachloroethane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,1,2-Trichloroethane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,1-Dichloroethane	0.27	26	0.27		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,1-Dichloroethene	0.33	100	0.33		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,2,3-Trichlorobenzene	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,2,4-Trichlorobenzene	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,2,4-Trimethylbenzene	3.6	52	3.6		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,2-Dichlorobenzene	1.1	100	1.1		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,2-Dichloroethane	0.02	3.1	0.02		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,2-Dichloropropane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,3-Dichlorobenzene	2.4	49	2.4		0.0015 U	0.0012 U	0.0018 U	0.0016 U
1,4-Dichlorobenzene	1.8	13	1.8		0.0015 U	0.0012 U	0.0018 U	0.0016 U
2-Hexanone	NS	NS	NS		0.0076 U	0.0062 U	0.0088 U	0.0082 U
Acetone	0.05	100	0.05		0.0091 U	0.0075 U	0.011 U	0.0098 U
Benzene	0.06	4.8	0.06		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Bromochloromethane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Bromodichloromethane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Bromoform	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Bromomethane	NS	NS	NS		0.003 U	0.0025 U	0.0035 U	0.0033 U
Carbon Disulfide	NS	NS	NS		0.0015 UT	0.0012 UT	0.0018 UT	0.0016 UT
Carbon Tetrachloride	0.76	2.4	0.76		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Chlorobenzene	1.1	100	1.1		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Chloroethane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Chloroform	0.37	49	0.37		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Chloromethane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Cis-1,2-Dichloroethylene	0.25	100	0.25		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Cis-1,3-Dichloropropene	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Cyclohexane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Dibromochloromethane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Dichlorodifluoromethane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Ethylbenzene	1	41	1		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Isopropylbenzene (Cumene)	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
M,P-Xylenes	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Methyl Acetate	NS	NS	NS		0.0076 U	0.0062 U	0.0088 U	0.0082 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12		0.0076 U	0.0062 U	0.0088 U	0.0082 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS		0.0076 U	0.0062 U	0.0088 U	0.0082 U
Methylcyclohexane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Methylene Chloride	0.05	100	0.05		0.003 U	0.0025 U	0.0035 U	0.0033 U
N-Butylbenzene	12	100	12		0.0015 U	0.0012 U	0.0018 U	0.0016 U
N-Propylbenzene	3.9	100	3.9		0.0015 U	0.0012 U	0.0018 U	0.0016 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Sec-Butylbenzene	11	100	11		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Styrene	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
T-Butylbenzene	5.9	100	5.9		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Tert-Butyl Methyl Ether	0.93	100	0.93		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Tetrachloroethylene (PCE)	1.3	19	1.3		0.0015 U	0.00042 J	0.0018 U	0.0013 J
Toluene	0.7	100	0.7		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Trans-1,2-Dichloroethene	0.19	100	0.19		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Trans-1,3-Dichloropropene	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Trichloroethylene (TCE)	0.47	21	0.47		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Trichlorofluoromethane	NS	NS	NS		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Vinyl Chloride	0.02	0.9	0.02		0.0015 U	0.0012 U	0.0018 U	0.0016 U
Xylenes, Total	0.26	100	1.6		0.003 U	0.0025 U	0.0035 U	0.0033 U

Table 1
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

			AKRF Sample ID	TB-01_20230801
			Laboratory Sample ID	460-285294-13
			Date Sampled	8/1/2023
			Dilution Factor	1
			Unit	µg/L
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	1 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS	1 U
1,1,2-Trichloroethane	NS	NS	NS	1 U
1,1-Dichloroethane	0.27	26	0.27	1 U
1,1-Dichloroethene	0.33	100	0.33	1 U
1,2,3-Trichlorobenzene	NS	NS	NS	1 U
1,2,4-Trichlorobenzene	NS	NS	NS	1 U
1,2,4-Trimethylbenzene	3.6	52	3.6	1 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	1 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	1 U
1,2-Dichlorobenzene	1.1	100	1.1	1 U
1,2-Dichloroethane	0.02	3.1	0.02	1 U
1,2-Dichloropropane	NS	NS	NS	1 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	1 U
1,3-Dichlorobenzene	2.4	49	2.4	1 U
1,4-Dichlorobenzene	1.8	13	1.8	1 U
2-Hexanone	NS	NS	NS	5 U
Acetone	0.05	100	0.05	5 U
Benzene	0.06	4.8	0.06	1 U
Bromochloromethane	NS	NS	NS	1 U
Bromodichloromethane	NS	NS	NS	1 U
Bromoform	NS	NS	NS	1 U
Bromomethane	NS	NS	NS	1 U
Carbon Disulfide	NS	NS	NS	1 U
Carbon Tetrachloride	0.76	2.4	0.76	1 U
Chlorobenzene	1.1	100	1.1	1 U
Chloroethane	NS	NS	NS	1 U
Chloroform	0.37	49	0.37	1 U
Chloromethane	NS	NS	NS	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	1 U
Cis-1,3-Dichloropropene	NS	NS	NS	1 U
Cyclohexane	NS	NS	NS	1 U
Dibromochloromethane	NS	NS	NS	1 U
Dichlorodifluoromethane	NS	NS	NS	1 U
Ethylbenzene	1	41	1	1 U
Isopropylbenzene (Cumene)	NS	NS	NS	1 U
M,P-Xylenes	NS	NS	NS	1 U
Methyl Acetate	NS	NS	NS	5 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	5 U
Methylcyclohexane	NS	NS	NS	1 U
Methylene Chloride	0.05	100	0.05	1 U
N-Butylbenzene	12	100	12	1 U
N-Propylbenzene	3.9	100	3.9	1 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	1 U
Sec-Butylbenzene	11	100	11	1 U
Styrene	NS	NS	NS	1 U
T-Butylbenzene	5.9	100	5.9	1 U
Tert-Butyl Methyl Ether	0.93	100	0.93	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	1 U
Toluene	0.7	100	0.7	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	1 U
Trans-1,3-Dichloropropene	NS	NS	NS	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U
Trichlorofluoromethane	NS	NS	NS	1 U
Vinyl Chloride	0.02	0.9	0.02	1 U
Xylenes, Total	0.26	100	1.6	2 U

Table 2
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

				AKRF Sample ID	RI-SB-01_0-2_20230801	RI-SB-01_10-12_20230801	RI-SB-02_0-2_20230801	RI-SB-02_10-12_20230801	RI-SB-03_0-2_20230802
				Laboratory Sample ID	460-285294-1	460-285294-2	460-285294-3	460-285294-4	460-285367-1
				Date Sampled	8/01/2023	8/01/2023	8/01/2023	8/01/2023	8/02/2023
				Dilution Factor	1	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1		0.034 U	0.034 U	0.034 U	0.033 U	0.033 U
2,3,4,6-Tetrachlorophenol	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
2,4,5-Trichlorophenol	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
2,4,6-Trichlorophenol	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.13 U	0.13 U
2,4-Dichlorophenol	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.13 U	0.13 U
2,4-Dimethylphenol	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
2,4-Dinitrophenol	NS	NS	NS		0.27 U	0.28 U	0.27 U	0.27 U	0.27 U
2,4-Dinitrotoluene	NS	NS	NS		0.069 U	0.069 U	0.068 U	0.068 U	0.068 U
2,6-Dinitrotoluene	NS	NS	NS		0.069 U	0.069 U	0.068 U	0.068 U	0.068 U
2-Chloronaphthalene	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
2-Chlorophenol	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
2-Methylnaphthalene	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.029 J	0.33 U
2-Methylphenol (O-Cresol)	**0.33**	100	0.33		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
2-Nitroaniline	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
2-Nitrophenol	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
3- And 4- Methylphenol (Total)	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
3,3'-Dichlorobenzidine	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.13 U	0.13 U
3-Nitroaniline	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
4,6-Dinitro-2-Methylphenol	NS	NS	NS		0.27 U	0.28 U	0.27 U	0.27 U	0.27 U
4-Bromophenyl Phenyl Ether	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
4-Chloro-3-Methylphenol	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
4-Chloroaniline	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
4-Chlorophenyl Phenyl Ether	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.33		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
4-Nitroaniline	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
4-Nitrophenol	NS	NS	NS		0.69 U	0.69 U	0.68 U	0.68 U	0.68 U
Acenaphthene	20	100	98		0.34 U	0.038 J	0.032 J	0.064 J	0.015 J
Acenaphthylene	100	100	107		0.023 J	0.027 J	0.1 J	0.075 J	0.031 J
Acetophenone	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Anthracene	100	100	1,000		0.045 J	0.12 J	0.14 J	0.19 J	0.053 J
Atrazine	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.13 U	0.13 U
Benzaldehyde	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Benzo(a)Anthracene	**1**	1	1		0.31	0.51	0.68	0.63	0.21
Benzo(a)Pyrene	**1**	1	22		0.36	0.52	0.66	0.66	0.22
Benzo(b)Fluoranthene	**1**	1	1.7		0.42	0.61	0.78	0.8	0.26
Benzo(g,h,i)Perylene	100	100	1,000		0.24 J	0.31 J	0.33 J	0.35	0.12 J
Benzo(k)Fluoranthene	**0.8**	3.9	1.7		0.16	0.22	0.28	0.29	0.098
Benzyl Butyl Phthalate	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Biphenyl (Diphenyl)	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Bis(2-Chloroethoxy) Methane	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	NS		0.034 U	0.034 U	0.034 U	0.033 U	0.033 U
Bis(2-Chloroisopropyl) Ether	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	NS		0.34 U	0.34 U	0.11 J	0.17 J	0.33 U
Caprolactam	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Carbazole	NS	NS	NS		0.018 J	0.046 J	0.045 J	0.089 J	0.02 J
Chrysene	**1**	3.9	1		0.35	0.54	0.75	0.67	0.21 J
Dibenz(a,h)Anthracene	**0.33**	0.33	1,000		0.055	0.076	0.091	0.086	0.029 J
Dibenzofuran	7	59	210		0.34 U	0.027 J	0.018 J	0.046 J	0.33 U
Diethyl Phthalate	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Dimethyl Phthalate	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Di-N-Butyl Phthalate	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.15 J	0.33 U
Di-N-Octylphthalate	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Fluoranthene	100	100	1,000		0.44	0.89	1.1	1.2	0.34
Fluorene	30	100	386		0.34 U	0.022 J	0.029 J	0.055 J	0.33 U
Hexachlorobenzene	0.33	1.2	3.2		0.034 U	0.034 U	0.034 U	0.033 U	0.033 U
Hexachlorobutadiene	NS	NS	NS		0.069 U	0.069 U	0.068 U	0.068 U	0.068 U
Hexachlorocyclopentadiene	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Hexachloroethane	NS	NS	NS		0.034 U	0.034 U	0.034 U	0.033 U	0.033 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	8.2		0.26	0.33	0.41	0.43	0.13
Isophorone	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.13 U	0.13 U
Naphthalene	12	100	12		0.01 J	0.014 J	0.015 J	0.053 J	0.0068 J
Nitrobenzene	NS	NS	NS		0.034 U	0.034 U	0.034 U	0.033 U	0.033 U
N-Nitrosodi-N-Propylamine	NS	NS	NS		0.034 U	0.034 U	0.034 U	0.033 U	0.033 U
N-Nitrosodiphenylamine	NS	NS	NS		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Pentachlorophenol	0.8	6.7	0.8		0.27 U	0.28 U	0.27 U	0.27 U	0.27 UT
Phenanthrene	100	100	1,000		0.21 J	0.74	0.58	0.9	0.24 J
Phenol	**0.33**	100	0.33		0.34 U	0.34 U	0.34 U	0.33 U	0.33 U
Pyrene	100	100	1,000		0.57	1.1	1.3	1.3	0.41

Table 2
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

				AKRF Sample ID	RI-SB-03_9-11_20230802	RI-SB-04_2-4_20230802	RI-SB-04_6-8_20230802	RI-SB-05_2-4_20230801	RI-SB-05_7-9_20230801
				Laboratory Sample ID	460-285367-2	460-285367-3	460-285367-4	460-285294-11	460-285294-12
				Date Sampled	8/02/2023	8/02/2023	8/02/2023	8/01/2023	8/01/2023
				Dilution Factor	1	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1		0.034 U	0.034 U	0.035 U	0.034 U	0.036 U
2,3,4,6-Tetrachlorophenol	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
2,4,5-Trichlorophenol	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
2,4,6-Trichlorophenol	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.15 U
2,4-Dichlorophenol	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.15 U
2,4-Dimethylphenol	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
2,4-Dinitrophenol	NS	NS	NS		0.27 U	0.27 U	0.28 U	0.28 U	0.29 U
2,4-Dinitrotoluene	NS	NS	NS		0.068 U	0.068 U	0.07 U	0.069 U	0.073 U
2,6-Dinitrotoluene	NS	NS	NS		0.068 U	0.068 U	0.07 U	0.069 U	0.073 U
2-Chloronaphthalene	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
2-Chlorophenol	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
2-Methylnaphthalene	NS	NS	NS		0.34 U	0.098 J	0.023 J	0.051 J	0.6
2-Methylphenol (O-Cresol)	**0.33**	100	0.33		0.34 U	0.34 U	0.35 U	0.34 U	0.081 J
2-Nitroaniline	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
2-Nitrophenol	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
3- And 4- Methylphenol (Total)	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.25 J
3,3'-Dichlorobenzidine	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.15 U
3-Nitroaniline	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
4,6-Dinitro-2-Methylphenol	NS	NS	NS		0.27 U	0.27 U	0.28 U	0.28 U	0.29 U
4-Bromophenyl Phenyl Ether	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
4-Chloro-3-Methylphenol	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
4-Chloroaniline	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
4-Chlorophenyl Phenyl Ether	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.33		0.34 U	0.34 U	0.35 U	0.34 U	0.25 J
4-Nitroaniline	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
4-Nitrophenol	NS	NS	NS		0.68 U	0.68 U	0.7 U	0.69 U	0.73 U
Acenaphthene	20	100	98		0.34 U	0.39	0.055 J	0.21 J	0.96
Acenaphthylene	100	100	107		0.34 U	0.1 J	0.1 J	0.47	3.3
Acetophenone	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.12 J
Anthracene	100	100	1,000		0.34 U	0.83	0.15 J	1	3.8
Atrazine	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.15 U
Benzaldehyde	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.059 J	0.36 U
Benzo(a)Anthracene	**1**	1	1		0.034 U	**2.2**	0.67	**4.4**	NR
Benzo(a)Pyrene	**1**	1	22		0.034 U	**2.4**	0.96	**5.3**	NR
Benzo(b)Fluoranthene	**1**	1	1.7		0.034 U	**2.8**	**1.2**	**6.6**	NR
Benzo(g,h,i)Perylene	100	100	1,000		0.34 U	1.5	0.68	2.5	NR
Benzo(k)Fluoranthene	**0.8**	3.9	1.7		0.034 U	**0.99**	0.39	**2.5**	**5.9**
Benzyl Butyl Phthalate	NS	NS	NS		0.34 U	0.34 U	0.03 J	0.34 U	0.36 U
Biphenyl (Diphenyl)	NS	NS	NS		0.34 U	0.034 J	0.35 U	0.02 J	0.25 J
Bis(2-Chloroethoxy) Methane	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	NS		0.034 U	0.034 U	0.035 U	0.034 U	0.036 U
Bis(2-Chloroisopropyl) Ether	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	NS		0.34 U	0.34 U	0.23 J	0.08 J	0.36 U
Caprolactam	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
Carbazole	NS	NS	NS		0.34 U	0.31 J	0.066 J	0.31 J	1.2
Chrysene	**1**	3.9	1		0.34 U	**2.2**	0.74	**4.5**	NR
Dibenz(a,h)Anthracene	**0.33**	0.33	1,000		0.034 U	0.33	0.16	**0.63**	**3.4**
Dibenzofuran	7	59	210		0.34 U	0.21 J	0.032 J	0.11 J	0.82
Diethyl Phthalate	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
Dimethyl Phthalate	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
Di-N-Butyl Phthalate	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.017 J	0.36 U
Di-N-Octylphthalate	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
Fluoranthene	100	100	1,000		0.34 U	4.4	1.1	7.8	NR
Fluorene	30	100	386		0.34 U	0.34	0.043 J	0.19 J	0.73
Hexachlorobenzene	0.33	1.2	3.2		0.034 U	0.034 U	0.035 U	0.034 U	0.036 U
Hexachlorobutadiene	NS	NS	NS		0.068 U	0.068 U	0.07 U	0.069 U	0.073 U
Hexachlorocyclopentadiene	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
Hexachloroethane	NS	NS	NS		0.034 U	0.034 U	0.035 U	0.034 U	0.036 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	8.2		0.034 U	**1.8**	**0.76**	**2.9**	NR
Isophorone	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.15 U
Naphthalene	12	100	12		0.34 U	0.24 J	0.043 J	0.13 J	1.9
Nitrobenzene	NS	NS	NS		0.034 U	0.034 U	0.035 U	0.034 U	0.036 U
N-Nitrosodi-N-Propylamine	NS	NS	NS		0.034 U	0.034 U	0.035 U	0.034 U	0.036 U
N-Nitrosodiphenylamine	NS	NS	NS		0.34 U	0.34 U	0.35 U	0.34 U	0.36 U
Pentachlorophenol	0.8	6.7	0.8		0.27 UT	0.27 UT	0.28 UT	0.28 U	0.29 U
Phenanthrene	100	100	1,000		0.34 U	3.6	0.63	4	8.4
Phenol	**0.33**	100	0.33		0.34 U	0.34 U	0.35 U	0.34 U	0.19 J
Pyrene	100	100	1,000		0.34 U	4.8	1.3	8.2	NR

Table 2
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

				AKRF Sample ID	RI-SB-05_7-9_20230801	RI-SB-06_2-4_20230802	RI-SB-06_2-4_20230802	RI-SB-06_6-8_20230802	RI-SB-07_0-2_20230802
				Laboratory Sample ID	460-285294-12	460-285367-5	460-285367-5	460-285367-6	460-285367-7
				Date Sampled	8/01/2023	8/02/2023	8/02/2023	8/02/2023	8/02/2023
				Dilution Factor	5	1	5	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1		NR	0.035 U	NR	0.035 U	0.037 U
2,3,4,6-Tetrachlorophenol	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
2,4,5-Trichlorophenol	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
2,4,6-Trichlorophenol	NS	NS	NS		NR	0.14 U	NR	0.14 U	0.15 U
2,4-Dichlorophenol	NS	NS	NS		NR	0.14 U	NR	0.14 U	0.15 U
2,4-Dimethylphenol	NS	NS	NS		NR	0.35 U	NR	1.4	0.37 U
2,4-Dinitrophenol	NS	NS	NS		NR	0.28 U	NR	0.28 U	0.3 U
2,4-Dinitrotoluene	NS	NS	NS		NR	0.07 U	NR	0.071 U	0.076 U
2,6-Dinitrotoluene	NS	NS	NS		NR	0.07 U	NR	0.071 U	0.076 U
2-Chloronaphthalene	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
2-Chlorophenol	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
2-Methylnaphthalene	NS	NS	NS		NR	0.25 J	NR	0.65	0.22 J
2-Methylphenol (O-Cresol)	**0.33**	100	0.33		NR	0.021 J	NR	**1.9**	0.37 U
2-Nitroaniline	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
2-Nitrophenol	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
3- And 4- Methylphenol (Total)	NS	NS	NS		NR	0.063 J	NR	4.3	0.025 J
3,3'-Dichlorobenzidine	NS	NS	NS		NR	0.14 U	NR	0.14 U	0.15 U
3-Nitroaniline	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
4,6-Dinitro-2-Methylphenol	NS	NS	NS		NR	0.28 U	NR	0.28 U	0.3 U
4-Bromophenyl Phenyl Ether	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
4-Chloro-3-Methylphenol	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
4-Chloroaniline	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
4-Chlorophenyl Phenyl Ether	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.33		NR	0.063 J	NR	**4.3**	0.025 J
4-Nitroaniline	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
4-Nitrophenol	NS	NS	NS		NR	0.7 U	NR	0.71 U	0.76 U
Acenaphthene	20	100	98		NR	0.83	NR	0.6	0.41
Acenaphthylene	100	100	107		NR	0.77	NR	0.36	0.26 J
Acetophenone	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Anthracene	100	100	1,000		NR	2.6	NR	1.5	0.89
Atrazine	NS	NS	NS		NR	0.14 U	NR	0.14 U	0.15 U
Benzaldehyde	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Benzo(a)Anthracene	**1**	1	1		**13**	**6.1**	NR	**1.8**	**2.4**
Benzo(a)Pyrene	**1**	1	22		**18**	**5.9**	NR	**1.3**	**2.6**
Benzo(b)Fluoranthene	**1**	1	1.7		**19**	**6.9**	NR	**1.4**	**2.9**
Benzo(g,h,i)Perylene	100	100	1,000		13	2.6	NR	0.52	1.3
Benzo(k)Fluoranthene	**0.8**	3.9	1.7		NR	**2.6**	NR	0.52	**1.3**
Benzyl Butyl Phthalate	NS	NS	NS		NR	0.35 U	NR	0.82	0.068 J
Biphenyl (Diphenyl)	NS	NS	NS		NR	0.099 J	NR	0.24 J	0.062 J
Bis(2-Chloroethoxy) Methane	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	NS		NR	0.035 U	NR	0.035 U	0.037 U
Bis(2-Chloroisopropyl) Ether	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	NS		NR	0.35 U	NR	2.9	0.27 J
Caprolactam	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Carbazole	NS	NS	NS		NR	0.96	NR	0.6	0.42
Chrysene	**1**	3.9	1		**13**	**5.9**	NR	**1.3**	**2.7**
Dibenz(a,h)Anthracene	**0.33**	0.33	1,000		NR	**0.71**	NR	0.17	**0.35**
Dibenzofuran	7	59	210		NR	0.64	NR	0.92	0.3 J
Diethyl Phthalate	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Dimethyl Phthalate	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Di-N-Butyl Phthalate	NS	NS	NS		NR	0.35 U	NR	0.037 J	0.031 J
Di-N-Octylphthalate	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Fluoranthene	100	100	1,000		22	NR	11	3	4.7
Fluorene	30	100	386		NR	0.78	NR	1	0.4
Hexachlorobenzene	0.33	1.2	3.2		NR	0.035 U	NR	0.035 U	0.037 U
Hexachlorobutadiene	NS	NS	NS		NR	0.07 U	NR	0.071 U	0.076 U
Hexachlorocyclopentadiene	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Hexachloroethane	NS	NS	NS		NR	0.035 U	NR	0.035 U	0.037 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	8.2		**13**	**3.2**	NR	**0.62**	**1.6**
Isophorone	NS	NS	NS		NR	0.14 U	NR	0.14 U	0.15 U
Naphthalene	12	100	12		NR	0.49	NR	1.6	0.73
Nitrobenzene	NS	NS	NS		NR	0.035 U	NR	0.035 U	0.037 U
N-Nitrosodi-N-Propylamine	NS	NS	NS		NR	0.035 U	NR	0.035 U	0.037 U
N-Nitrosodiphenylamine	NS	NS	NS		NR	0.35 U	NR	0.35 U	0.37 U
Pentachlorophenol	0.8	6.7	0.8		NR	0.28 UT	NR	0.28 UT	0.3 UT
Phenanthrene	100	100	1,000		NR	NR	10	5.1	4.2
Phenol	**0.33**	100	0.33		NR	0.35 U	NR	**4.4**	0.37 U
Pyrene	100	100	1,000		22	NR	11	3	5.1

Table 2
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

				AKRF Sample ID	RI-SB-07_4-6_20230802	RI-SB-08_0-2_20230801	RI-SB-08_4-6_20230801	RI-SB-09_0-2_20230801	RI-SB-09_4-6_20230801
				Laboratory Sample ID	460-285367-8	460-285294-5	460-285294-6	460-285294-7	460-285294-8
				Date Sampled	8/02/2023	8/01/2023	8/01/2023	8/01/2023	8/01/2023
				Dilution Factor	1	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1		0.035 U	0.034 U	0.034 U	0.034 U	0.034 U
2,3,4,6-Tetrachlorophenol	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
2,4,5-Trichlorophenol	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
2,4,6-Trichlorophenol	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
2,4-Dichlorophenol	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
2,4-Dimethylphenol	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
2,4-Dinitrophenol	NS	NS	NS		0.28 U	0.27 U	0.27 U	0.27 U	0.27 U
2,4-Dinitrotoluene	NS	NS	NS		0.071 U	0.068 U	0.069 U	0.069 U	0.069 U
2,6-Dinitrotoluene	NS	NS	NS		0.071 U	0.068 U	0.069 U	0.069 U	0.069 U
2-Chloronaphthalene	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Chlorophenol	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Methylnaphthalene	NS	NS	NS		0.35 U	0.34 U	0.0099 J	0.027 J	0.01 J
2-Methylphenol (O-Cresol)	**0.33**	100	0.33		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Nitroaniline	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Nitrophenol	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
3- And 4- Methylphenol (Total)	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
3,3'-Dichlorobenzidine	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
3-Nitroaniline	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
4,6-Dinitro-2-Methylphenol	NS	NS	NS		0.28 U	0.27 U	0.27 U	0.27 U	0.27 U
4-Bromophenyl Phenyl Ether	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
4-Chloro-3-Methylphenol	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
4-Chloroaniline	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
4-Chlorophenyl Phenyl Ether	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.33		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
4-Nitroaniline	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
4-Nitrophenol	NS	NS	NS		0.71 U	0.68 U	0.69 U	0.69 U	0.69 U
Acenaphthene	20	100	98		0.35 U	0.013 J	0.025 J	0.18 J	0.028 J
Acenaphthylene	100	100	107		0.35 U	0.026 J	0.068 J	0.1 J	0.04 J
Acetophenone	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Anthracene	100	100	1,000		0.35 U	0.041 J	0.096 J	0.48	0.085 J
Atrazine	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Benzaldehyde	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Benzo(a)Anthracene	**1**	1	1		0.035 U	0.17	0.4	**1.7**	0.35
Benzo(a)Pyrene	**1**	1	22		0.035 U	0.2	0.43	**1.6**	0.36
Benzo(b)Fluoranthene	**1**	1	1.7		0.035 U	0.23	0.53	**2**	0.45
Benzo(g,h,i)Perylene	100	100	1,000		0.35 U	0.11 J	0.23 J	0.71	0.18 J
Benzo(k)Fluoranthene	**0.8**	3.9	1.7		0.035 U	0.085	0.19	0.67	0.15
Benzyl Butyl Phthalate	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.02 J	0.34 U
Biphenyl (Diphenyl)	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.012 J	0.34 U
Bis(2-Chloroethoxy) Methane	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	NS		0.035 U	0.034 U	0.034 U	0.034 U	0.034 U
Bis(2-Chloroisopropyl) Ether	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.32 J	0.4
Caprolactam	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Carbazole	NS	NS	NS		0.35 U	0.016 J	0.036 J	0.14 J	0.027 J
Chrysene	**1**	3.9	1		0.35 U	0.19 J	0.4	**1.7**	0.37
Dibenz(a,h)Anthracene	**0.33**	0.33	1,000		0.035 U	0.03 J	0.057	0.19	0.051
Dibenzofuran	7	59	210		0.35 U	0.34 U	0.02 J	0.097 J	0.012 J
Diethyl Phthalate	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Dimethyl Phthalate	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Di-N-Butyl Phthalate	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.048 J	0.014 J
Di-N-Octylphthalate	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Fluoranthene	100	100	1,000		0.35 U	0.3 J	0.71	3	0.56
Fluorene	30	100	386		0.35 U	0.34 U	0.025 J	0.16 J	0.026 J
Hexachlorobenzene	0.33	1.2	3.2		0.035 U	0.034 U	0.034 U	0.034 U	0.034 U
Hexachlorobutadiene	NS	NS	NS		0.071 U	0.068 U	0.069 U	0.069 U	0.069 U
Hexachlorocyclopentadiene	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Hexachloroethane	NS	NS	NS		0.035 U	0.034 U	0.034 U	0.034 U	0.034 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	8.2		0.035 U	0.14	0.26	**0.89**	0.21
Isophorone	NS	NS	NS		0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Naphthalene	12	100	12		0.35 U	0.01 J	0.028 J	0.037 J	0.013 J
Nitrobenzene	NS	NS	NS		0.035 U	0.034 U	0.034 U	0.034 U	0.034 U
N-Nitrosodi-N-Propylamine	NS	NS	NS		0.035 U	0.034 U	0.034 U	0.034 U	0.034 U
N-Nitrosodiphenylamine	NS	NS	NS		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Pentachlorophenol	0.8	6.7	0.8		0.28 UT	0.27 U	0.27 U	0.27 U	0.27 U
Phenanthrene	100	100	1,000		0.35 U	0.18 J	0.4	2.3	0.44
Phenol	**0.33**	100	0.33		0.35 U	0.34 U	0.34 U	0.34 U	0.34 U
Pyrene	100	100	1,000		0.0093 J	0.33 J	0.76	3	0.67

Table 2
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

				AKRF Sample ID	RI-SB-10_0-2_20230801	RI-SB-10_4-6_20230801
				Laboratory Sample ID	460-285294-9	460-285294-10
				Date Sampled	8/01/2023	8/01/2023
				Dilution Factor	1	1
				Unit	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	NS		0.35 U	0.35 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.1		0.035 U	0.035 U
2,3,4,6-Tetrachlorophenol	NS	NS	NS		0.35 U	0.35 U
2,4,5-Trichlorophenol	NS	NS	NS		0.35 U	0.35 U
2,4,6-Trichlorophenol	NS	NS	NS		0.14 U	0.14 U
2,4-Dichlorophenol	NS	NS	NS		0.14 U	0.14 U
2,4-Dimethylphenol	NS	NS	NS		0.35 U	0.35 U
2,4-Dinitrophenol	NS	NS	NS		0.28 U	0.28 U
2,4-Dinitrotoluene	NS	NS	NS		0.071 U	0.071 U
2,6-Dinitrotoluene	NS	NS	NS		0.071 U	0.071 U
2-Chloronaphthalene	NS	NS	NS		0.35 U	0.35 U
2-Chlorophenol	NS	NS	NS		0.35 U	0.35 U
2-Methylnaphthalene	NS	NS	NS		0.35 U	0.35 U
2-Methylphenol (O-Cresol)	**0.33**	100	0.33		0.35 U	0.35 U
2-Nitroaniline	NS	NS	NS		0.35 U	0.35 U
2-Nitrophenol	NS	NS	NS		0.35 U	0.35 U
3- And 4- Methylphenol (Total)	NS	NS	NS		0.35 U	0.35 U
3,3'-Dichlorobenzidine	NS	NS	NS		0.14 U	0.14 U
3-Nitroaniline	NS	NS	NS		0.35 U	0.35 U
4,6-Dinitro-2-Methylphenol	NS	NS	NS		0.28 U	0.28 U
4-Bromophenyl Phenyl Ether	NS	NS	NS		0.35 U	0.35 U
4-Chloro-3-Methylphenol	NS	NS	NS		0.35 U	0.35 U
4-Chloroaniline	NS	NS	NS		0.35 U	0.35 U
4-Chlorophenyl Phenyl Ether	NS	NS	NS		0.35 U	0.35 U
4-Methylphenol (P-Cresol)	**0.33**	100	0.33		0.35 U	0.35 U
4-Nitroaniline	NS	NS	NS		0.35 U	0.35 U
4-Nitrophenol	NS	NS	NS		0.71 U	0.71 U
Acenaphthene	20	100	98		0.01 J	0.042 J
Acenaphthylene	100	100	107		0.052 J	0.052 J
Acetophenone	NS	NS	NS		0.35 U	0.037 J
Anthracene	100	100	1,000		0.055 J	0.11 J
Atrazine	NS	NS	NS		0.14 U	0.14 U
Benzaldehyde	NS	NS	NS		0.35 U	0.35 U
Benzo(a)Anthracene	**1**	1	1		0.28	0.59
Benzo(a)Pyrene	**1**	1	22		0.31	0.61
Benzo(b)Fluoranthene	**1**	1	1.7		0.4	0.8
Benzo(g,h,i)Perylene	100	100	1,000		0.16 J	0.28 J
Benzo(k)Fluoranthene	**0.8**	3.9	1.7		0.15	0.3
Benzyl Butyl Phthalate	NS	NS	NS		0.042 J	0.35 U
Biphenyl (Diphenyl)	NS	NS	NS		0.35 U	0.35 U
Bis(2-Chloroethoxy) Methane	NS	NS	NS		0.35 U	0.35 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	NS		0.035 U	0.035 U
Bis(2-Chloroisopropyl) Ether	NS	NS	NS		0.35 U	0.35 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	NS		0.35 U	0.35 U
Caprolactam	NS	NS	NS		0.35 U	0.35 U
Carbazole	NS	NS	NS		0.024 J	0.063 J
Chrysene	**1**	3.9	1		0.3 J	0.6
Dibenz(a,h)Anthracene	**0.33**	0.33	1,000		0.045	0.072
Dibenzofuran	7	59	210		0.35 U	0.021 J
Diethyl Phthalate	NS	NS	NS		0.35 U	0.35 U
Dimethyl Phthalate	NS	NS	NS		0.35 U	0.35 U
Di-N-Butyl Phthalate	NS	NS	NS		0.35 U	0.35 U
Di-N-Octylphthalate	NS	NS	NS		0.35 U	0.35 U
Fluoranthene	100	100	1,000		0.49	0.96
Fluorene	30	100	386		0.35 U	0.028 J
Hexachlorobenzene	0.33	1.2	3.2		0.035 U	0.035 U
Hexachlorobutadiene	NS	NS	NS		0.071 U	0.071 U
Hexachlorocyclopentadiene	NS	NS	NS		0.35 U	0.35 U
Hexachloroethane	NS	NS	NS		0.035 U	0.035 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	8.2		0.18	0.35
Isophorone	NS	NS	NS		0.14 U	0.14 U
Naphthalene	12	100	12		0.014 J	0.015 J
Nitrobenzene	NS	NS	NS		0.035 U	0.035 U
N-Nitrosodi-N-Propylamine	NS	NS	NS		0.035 U	0.035 U
N-Nitrosodiphenylamine	NS	NS	NS		0.35 U	0.35 U
Pentachlorophenol	0.8	6.7	0.8		0.28 U	0.28 U
Phenanthrene	100	100	1,000		0.23 J	0.6
Phenol	**0.33**	100	0.33		0.35 U	0.35 U
Pyrene	100	100	1,000		0.49	1

Table 3
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

			AKRF Sample ID	RI-SB-01_0-2_20230801	RI-SB-01_10-12_20230801	RI-SB-02_0-2_20230801	RI-SB-02_10-12_20230801
			Laboratory Sample ID	460-285294-1	460-285294-2	460-285294-3	460-285294-4
			Date Sampled	8/01/2023	8/01/2023	8/01/2023	8/01/2023
			Dilution Factor	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NS	5,890	5,160	5,840	8,190
Antimony	NS	NS	NS	1.4	0.47 J	0.34 J	0.46 J
Arsenic	**13**	16	16	4	3	3.3	4.7
Barium	**350**	400	820	74.8	61	103	131
Beryllium	7.2	72	47	0.31 J	0.29 J	0.31 J	0.37
Cadmium	**2.5**	4.3	7.5	0.33 J	0.21 J	0.21 J	0.37 J
Calcium	NS	NS	NS	30,000	19,600	12,000	12,900
Chromium, Hexavalent	1	110	19	2 U	2 U	2 U	2 U
Chromium, Total	NS	NS	NS	13.3	14.3	17	17.3
Cobalt	NS	NS	NS	3.9	4	4	4.4
Copper	**50**	270	1,720	33.8	19.3	28	28.1
Iron	NS	NS	NS	10,800	10,200	10,700	12,100
Lead	**63**	400	450	**131**	**91.8**	**94**	**138**
Magnesium	NS	NS	NS	3,360	3,600	2,650	3,020
Manganese	1,600	2,000	2,000	202	211	220	214
Mercury	**0.18**	0.81	0.73	**0.19**	0.11	0.089	**0.44**
Nickel	**30**	310	130	13.7	23.5	18.5	19.3
Potassium	NS	NS	NS	821	822	941	942
Selenium	3.9	180	4	0.19 J	1.2 U	0.16 J	0.23 J
Silver	2	180	8.3	0.093 J	0.37 U	0.34 J	0.83
Sodium	NS	NS	NS	315	298	214	225
Thallium	NS	NS	NS	0.38 U	0.37 U	0.39 U	0.36 U
Vanadium	NS	NS	NS	24.6	17.5	20.4	22.4
Zinc	**109**	10,000	2,480	**147**	102	**117**	**170**

Table 3
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

			AKRF Sample ID	RI-SB-03_0-2_20230802	RI-SB-03_9-11_20230802	RI-SB-04_2-4_20230802	RI-SB-04_6-8_20230802
			Laboratory Sample ID	460-285367-1	460-285367-2	460-285367-3	460-285367-4
			Date Sampled	8/02/2023	8/02/2023	8/02/2023	8/02/2023
			Dilution Factor	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NS	4,870	4,820	7,910	6,240
Antimony	NS	NS	NS	0.37 J	0.23 J	1.8	0.79 U
Arsenic	**13**	16	16	2.4	2.4	7	1.6
Barium	**350**	400	820	43.8	32.9	**804**	53.7
Beryllium	7.2	72	47	0.31 J	0.31 J	0.34	0.36
Cadmium	**2.5**	4.3	7.5	0.17 J	0.79 U	**3.2**	0.79 U
Calcium	NS	NS	NS	5,710	2,080	22,900	2,010
Chromium, Hexavalent	1	110	19	2 U	2 U	2 U	2.1 U
Chromium, Total	NS	NS	NS	15.1	15.1	15.6	20.4
Cobalt	NS	NS	NS	4.8	5.2	4.1	5.7
Copper	**50**	270	1,720	14.7	10.5	25	13.5
Iron	NS	NS	NS	11,500	10,700	16,800	12,000
Lead	**63**	400	450	19.6	8.6	**718**	18
Magnesium	NS	NS	NS	2,890	2,630	2,840	3,300
Manganese	1,600	2,000	2,000	289	195	228	154
Mercury	**0.18**	0.81	0.73	**0.3**	0.017 U	**0.26**	NR
Nickel	**30**	310	130	26.3	21.1	12.1	**40.2**
Potassium	NS	NS	NS	967	954	587	1,300
Selenium	3.9	180	4	0.99 U	0.99 U	0.39 J	0.99 U
Silver	2	180	8.3	0.09 J	0.32 U	0.5	0.32 U
Sodium	NS	NS	NS	125	132	499	128
Thallium	NS	NS	NS	0.065 J	0.062 J	0.071 J	0.085 J
Vanadium	NS	NS	NS	19.8	17.8	24.5	20.8
Zinc	**109**	10,000	2,480	57.2	25.5	**1,030**	36.5

Table 3
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

			AKRF Sample ID	RI-SB-04_6-8_20230802	RI-SB-05_2-4_20230801	RI-SB-05_7-9_20230801	RI-SB-05_7-9_20230801
			Laboratory Sample ID	460-285367-4	460-285294-11	460-285294-12	460-285294-12
			Date Sampled	8/02/2023	8/01/2023	8/01/2023	8/01/2023
			Dilution Factor	5	1	1	40
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NS	NR	6,400	5,900	NR
Antimony	NS	NS	NS	NR	0.59 J	0.29 J	NR
Arsenic	**13**	16	16	NR	6.3	5	NR
Barium	**350**	400	820	NR	**516**	240	NR
Beryllium	7.2	72	47	NR	0.29 J	0.29 J	NR
Cadmium	**2.5**	4.3	7.5	NR	0.87 J	0.36 J	NR
Calcium	NS	NS	NS	NR	27,000	41,200	NR
Chromium, Hexavalent	1	110	19	NR	2.1 U	2.2 U	NR
Chromium, Total	NS	NS	NS	NR	16.5	13.6	NR
Cobalt	NS	NS	NS	NR	3.4	3.8	NR
Copper	**50**	270	1,720	NR	29.9	23.9	NR
Iron	NS	NS	NS	NR	10,300	6,860	NR
Lead	**63**	400	450	NR	**620**	**435**	NR
Magnesium	NS	NS	NS	NR	3,370	1,590	NR
Manganese	1,600	2,000	2,000	NR	209	210	NR
Mercury	**0.18**	0.81	0.73	**1.5**	0.094	NR	**13.5**
Nickel	**30**	310	130	NR	16.8	11.5	NR
Potassium	NS	NS	NS	NR	908	741	NR
Selenium	3.9	180	4	NR	0.42 J	0.59 J	NR
Silver	2	180	8.3	NR	0.31 J	0.11 J	NR
Sodium	NS	NS	NS	NR	598	143	NR
Thallium	NS	NS	NS	NR	0.36 U	0.18 J	NR
Vanadium	NS	NS	NS	NR	53.2	12.9	NR
Zinc	**109**	10,000	2,480	NR	**460**	**257**	NR

Table 3
41 First Street
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Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

			AKRF Sample ID	RI-SB-06_2-4_20230802	RI-SB-06_6-8_20230802	RI-SB-06_6-8_20230802	RI-SB-07_0-2_20230802
			Laboratory Sample ID	460-285367-5	460-285367-6	460-285367-6	460-285367-7
			Date Sampled	8/02/2023	8/02/2023	8/02/2023	8/02/2023
			Dilution Factor	1	1	3	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NS	7,260	4,320	NR	8,960
Antimony	NS	NS	NS	1.4	1.1	NR	22.9
Arsenic	**13**	16	16	7.3	3.1	NR	**13.1**
Barium	**350**	400	820	242	**871**	NR	**1,000**
Beryllium	7.2	72	47	0.4	0.22 J	NR	0.59
Cadmium	**2.5**	4.3	7.5	0.6 J	0.42 J	NR	2.5
Calcium	NS	NS	NS	14,100	28,500	NR	35,600
Chromium, Hexavalent	1	110	19	2.1 U	2.1 U	NR	2.3 U
Chromium, Total	NS	NS	NS	17.6	20.9	NR	31.6
Cobalt	NS	NS	NS	5	4.5	NR	8.2
Copper	**50**	270	1,720	39.8	11.9	NR	**177**
Iron	NS	NS	NS	14,800	NR	59,500	20,400
Lead	**63**	400	450	**269**	**695**	NR	NR
Magnesium	NS	NS	NS	2,730	3,070	NR	4,220
Manganese	1,600	2,000	2,000	226	215	NR	245
Mercury	**0.18**	0.81	0.73	**0.58**	**0.57**	NR	NR
Nickel	**30**	310	130	20.9	14.2	NR	**39.3**
Potassium	NS	NS	NS	973	679	NR	1,680
Selenium	3.9	180	4	0.38 J	0.34 J	NR	1.7
Silver	2	180	8.3	0.27 J	0.084 J	NR	0.99
Sodium	NS	NS	NS	233	120	NR	216
Thallium	NS	NS	NS	0.11 J	0.044 J	NR	0.25 J
Vanadium	NS	NS	NS	42.8	13.5	NR	42.5
Zinc	**109**	10,000	2,480	**241**	**395**	NR	**781**

Table 3
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

			AKRF Sample ID	RI-SB-07_0-2_20230802	RI-SB-07_0-2_20230802	RI-SB-07_4-6_20230802	RI-SB-08_0-2_20230801
			Laboratory Sample ID	460-285367-7	460-285367-7	460-285367-8	460-285294-5
			Date Sampled	8/02/2023	8/02/2023	8/02/2023	8/01/2023
			Dilution Factor	4	15	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NS	NR	NR	6,390	10,100
Antimony	NS	NS	NS	NR	NR	0.26 J	0.62 J
Arsenic	**13**	16	16	NR	NR	3.1	6.3
Barium	**350**	400	820	NR	NR	37.4	81.3
Beryllium	7.2	72	47	NR	NR	0.38	0.37 J
Cadmium	**2.5**	4.3	7.5	NR	NR	0.84 U	0.33 J
Calcium	NS	NS	NS	NR	NR	1,320	4,680
Chromium, Hexavalent	1	110	19	NR	NR	2.1 U	2 U
Chromium, Total	NS	NS	NS	NR	NR	15.2	20.4
Cobalt	NS	NS	NS	NR	NR	5.7	4.5
Copper	**50**	270	1,720	NR	NR	12.5	44.7
Iron	NS	NS	NS	NR	NR	12,400	17,700
Lead	**63**	400	450	**2,480**	NR	33.4	**91.3**
Magnesium	NS	NS	NS	NR	NR	2,790	2,400
Manganese	1,600	2,000	2,000	NR	NR	259	210
Mercury	**0.18**	0.81	0.73	NR	**3.2**	0.026	**0.55**
Nickel	**30**	310	130	NR	NR	23.7	20.6
Potassium	NS	NS	NS	NR	NR	1,340	814
Selenium	3.9	180	4	NR	NR	1.1 U	0.42 J
Silver	2	180	8.3	NR	NR	0.34 U	1
Sodium	NS	NS	NS	NR	NR	109	155
Thallium	NS	NS	NS	NR	NR	0.077 J	0.077 J
Vanadium	NS	NS	NS	NR	NR	23.2	27
Zinc	**109**	10,000	2,480	NR	NR	30.7	**113**

Table 3
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Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

				AKRF Sample ID	RI-SB-08_4-6_20230801	RI-SB-09_0-2_20230801	RI-SB-09_4-6_20230801
				Laboratory Sample ID	460-285294-6	460-285294-7	460-285294-8
				Date Sampled	8/01/2023	8/01/2023	8/01/2023
				Dilution Factor	1	1	1
				Unit	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NS		10,300	7,110	5,630
Antimony	NS	NS	NS		0.74 J	1.4	2.1
Arsenic	**13**	16	16		6.6	6.4	8.6
Barium	**350**	400	820		108	264	170
Beryllium	7.2	72	47		0.36	0.4	0.31 J
Cadmium	**2.5**	4.3	7.5		0.4 J	1	0.49 J
Calcium	NS	NS	NS		12,000	30,000	17,600
Chromium, Hexavalent	1	110	19		2 U	2 U	2.1 U
Chromium, Total	NS	NS	NS		19.3	17.7	14.5
Cobalt	NS	NS	NS		4	4.7	5.1
Copper	**50**	270	1,720		32.7	**65.1**	40.5
Iron	NS	NS	NS		16,800	14,500	14,000
Lead	**63**	400	450		**123**	**317**	**1,170**
Magnesium	NS	NS	NS		2,530	3,840	3,670
Manganese	1,600	2,000	2,000		209	271	241
Mercury	**0.18**	0.81	0.73		**0.65**	**0.58**	**0.55**
Nickel	**30**	310	130		15.2	17.3	22.8
Potassium	NS	NS	NS		775	1,020	878
Selenium	3.9	180	4		0.39 J	0.23 J	0.32 J
Silver	2	180	8.3		0.77	0.31 J	0.21 J
Sodium	NS	NS	NS		301	515	325
Thallium	NS	NS	NS		0.036 J	0.38 U	0.39 U
Vanadium	NS	NS	NS		23.1	23.9	23.4
Zinc	**109**	10,000	2,480		**142**	**341**	**202**

Table 3
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

				AKRF Sample ID	RI-SB-10_0-2_20230801	RI-SB-10_4-6_20230801
				Laboratory Sample ID	460-285294-9	460-285294-10
				Date Sampled	8/01/2023	8/01/2023
				Dilution Factor	1	1
				Unit	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q
Aluminum	NS	NS	NS		9,150	8,790
Antimony	NS	NS	NS		0.48 J	1.3
Arsenic	**13**	16	16		7.5	6.8
Barium	**350**	400	820		89.3	183
Beryllium	7.2	72	47		0.35 J	0.43
Cadmium	**2.5**	4.3	7.5		0.36 J	1.7
Calcium	NS	NS	NS		6,750	34,800
Chromium, Hexavalent	1	110	19		2.1 U	2.1 U
Chromium, Total	NS	NS	NS		19.9	18.8
Cobalt	NS	NS	NS		4.4	8.2
Copper	**50**	270	1,720		35.6	**59**
Iron	NS	NS	NS		13,000	22,400
Lead	**63**	400	450		**95.4**	**239**
Magnesium	NS	NS	NS		2,750	4,020
Manganese	1,600	2,000	2,000		203	263
Mercury	**0.18**	0.81	0.73		**0.64**	**0.27**
Nickel	**30**	310	130		20	23.1
Potassium	NS	NS	NS		1,040	918
Selenium	3.9	180	4		0.29 J	0.15 J
Silver	2	180	8.3		1.1	0.16 J
Sodium	NS	NS	NS		140	875
Thallium	NS	NS	NS		0.38 U	0.38 U
Vanadium	NS	NS	NS		25.4	22.6
Zinc	**109**	10,000	2,480		**130**	**902**

Table 4
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Toxicity Characteristic Leaching Procedure (TCLP) Lead

	AKRF Sample ID	RI-SB-07_0-2_20230802
	Laboratory Sample ID	460-285367-7
	Date Sampled	8/02/2023
	Dilution Factor	10
	Unit	mg/L
Compound	**EPA Hazardous Waste Criteria by TCLP**	CONC Q
Lead	5	0.627

Table 5
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

			AKRF Sample ID	RI-SB-01_0-2_20230801	RI-SB-01_10-12_20230801	RI-SB-02_0-2_20230801	RI-SB-02_10-12_20230801
			Laboratory Sample ID	460-285294-1	460-285294-2	460-285294-3	460-285294-4
			Date Sampled	8/01/2023	8/01/2023	8/01/2023	8/01/2023
			Dilution Factor	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U
PCB-1221 (Aroclor 1221)	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U
PCB-1232 (Aroclor 1232)	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U
PCB-1242 (Aroclor 1242)	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U
PCB-1248 (Aroclor 1248)	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U
PCB-1254 (Aroclor 1254)	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U
PCB-1260 (Aroclor 1260)	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U
PCB-1262 (Aroclor 1262)	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U
PCB-1268 (Aroclor 1268)	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U
Total PCBs	**0.1**	1	3.2	0.069 U	0.069 U	0.068 U	0.068 U

Table 5
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

			AKRF Sample ID	RI-SB-03_0-2_20230802	RI-SB-03_9-11_20230802	RI-SB-04_2-4_20230802	RI-SB-04_6-8_20230802
			Laboratory Sample ID	460-285367-1	460-285367-2	460-285367-3	460-285367-4
			Date Sampled	8/02/2023	8/02/2023	8/02/2023	8/02/2023
			Dilution Factor	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	NS	0.068 U	0.068 U	0.068 U	0.07 U
PCB-1221 (Aroclor 1221)	NS	NS	NS	0.068 U	0.068 U	0.068 U	0.07 U
PCB-1232 (Aroclor 1232)	NS	NS	NS	0.068 U	0.068 U	0.068 U	0.07 U
PCB-1242 (Aroclor 1242)	NS	NS	NS	0.068 U	0.068 U	0.068 U	0.07 U
PCB-1248 (Aroclor 1248)	NS	NS	NS	0.068 U	0.068 U	0.068 U	0.07 U
PCB-1254 (Aroclor 1254)	NS	NS	NS	0.068 U	0.068 U	0.068 U	0.07 U
PCB-1260 (Aroclor 1260)	NS	NS	NS	0.068 U	0.068 U	0.068 U	0.07 U
PCB-1262 (Aroclor 1262)	NS	NS	NS	0.068 U	0.068 U	0.068 U	0.07 U
PCB-1268 (Aroclor 1268)	NS	NS	NS	0.068 U	0.068 U	0.068 U	0.07 U
Total PCBs	**0.1**	1	3.2	0.068 U	0.068 U	0.068 U	0.07 U

Table 5
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

			AKRF Sample ID	RI-SB-05_2-4_20230801	RI-SB-05_7-9_20230801	RI-SB-06_2-4_20230802	RI-SB-06_6-8_20230802
			Laboratory Sample ID	460-285294-11	460-285294-12	460-285367-5	460-285367-6
			Date Sampled	8/01/2023	8/01/2023	8/02/2023	8/02/2023
			Dilution Factor	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	NS	0.069 U	0.073 U	0.07 U	0.071 U
PCB-1221 (Aroclor 1221)	NS	NS	NS	0.069 U	0.073 U	0.07 U	0.071 U
PCB-1232 (Aroclor 1232)	NS	NS	NS	0.069 U	0.073 U	0.07 U	0.071 U
PCB-1242 (Aroclor 1242)	NS	NS	NS	0.069 U	0.073 U	0.07 U	0.071 U
PCB-1248 (Aroclor 1248)	NS	NS	NS	0.069 U	0.073 U	0.07 U	0.071 U
PCB-1254 (Aroclor 1254)	NS	NS	NS	0.069 U	0.073 U	0.07 U	0.071 U
PCB-1260 (Aroclor 1260)	NS	NS	NS	0.069 U	0.073 U	0.07 U	0.071 U
PCB-1262 (Aroclor 1262)	NS	NS	NS	0.069 U	0.073 U	0.07 U	0.071 U
PCB-1268 (Aroclor 1268)	NS	NS	NS	0.069 U	0.073 U	0.07 U	0.071 U
Total PCBs	**0.1**	1	3.2	0.069 U	0.073 U	0.07 U	0.071 U

Table 5
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

			AKRF Sample ID	RI-SB-07_0-2_20230802	RI-SB-07_4-6_20230802	RI-SB-08_0-2_20230801	RI-SB-08_4-6_20230801
			Laboratory Sample ID	460-285367-7	460-285367-8	460-285294-5	460-285294-6
			Date Sampled	8/02/2023	8/02/2023	8/01/2023	8/01/2023
			Dilution Factor	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	NS	0.076 U	0.071 U	0.069 U	0.069 U
PCB-1221 (Aroclor 1221)	NS	NS	NS	0.076 U	0.071 U	0.069 U	0.069 U
PCB-1232 (Aroclor 1232)	NS	NS	NS	0.076 U	0.071 U	0.069 U	0.069 U
PCB-1242 (Aroclor 1242)	NS	NS	NS	0.076 U	0.071 U	0.069 U	0.069 U
PCB-1248 (Aroclor 1248)	NS	NS	NS	0.076 U	0.071 U	0.069 U	0.069 U
PCB-1254 (Aroclor 1254)	NS	NS	NS	0.076 U	0.071 U	0.069 U	0.069 U
PCB-1260 (Aroclor 1260)	NS	NS	NS	0.076 U	0.071 U	0.069 U	0.069 U
PCB-1262 (Aroclor 1262)	NS	NS	NS	0.076 U	0.071 U	0.069 U	0.069 U
PCB-1268 (Aroclor 1268)	NS	NS	NS	0.076 U	0.071 U	0.069 U	0.069 U
Total PCBs	**0.1**	1	3.2	0.076 U	0.071 U	0.069 U	0.069 U

Table 5
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

			AKRF Sample ID	RI-SB-09_0-2_20230801	RI-SB-09_4-6_20230801	RI-SB-10_0-2_20230801	RI-SB-10_4-6_20230801
			Laboratory Sample ID	460-285294-7	460-285294-8	460-285294-9	460-285294-10
			Date Sampled	8/01/2023	8/01/2023	8/01/2023	8/01/2023
			Dilution Factor	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	NS	0.069 U	0.069 U	0.071 U	0.071 U
PCB-1221 (Aroclor 1221)	NS	NS	NS	0.069 U	0.069 U	0.071 U	0.071 U
PCB-1232 (Aroclor 1232)	NS	NS	NS	0.069 U	0.069 U	0.071 U	0.071 U
PCB-1242 (Aroclor 1242)	NS	NS	NS	0.069 U	0.069 U	0.071 U	0.071 U
PCB-1248 (Aroclor 1248)	NS	NS	NS	0.069 U	0.069 U	0.071 U	0.071 U
PCB-1254 (Aroclor 1254)	NS	NS	NS	0.069 U	0.069 U	0.071 U	0.071 U
PCB-1260 (Aroclor 1260)	NS	NS	NS	0.13	0.069 U	0.071 U	0.071 U
PCB-1262 (Aroclor 1262)	NS	NS	NS	0.069 U	0.069 U	0.071 U	0.071 U
PCB-1268 (Aroclor 1268)	NS	NS	NS	0.069 U	0.069 U	0.071 U	0.071 U
Total PCBs	**0.1**	1	3.2	**0.13**	0.069 U	0.071 U	0.071 U

Table 6
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Pesticides

			AKRF Sample ID	RI-SB-01_0-2_20230801	RI-SB-01_10-12_20230801	RI-SB-02_0-2_20230801	RI-SB-02_10-12_20230801
			Laboratory Sample ID	460-285294-1	460-285294-2	460-285294-3	460-285294-4
			Date Sampled	8/01/2023	8/01/2023	8/01/2023	8/01/2023
			Dilution Factor	1	1	1	1
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.19	0.0069 U	0.0069 U	0.0068 U	0.0068 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	0.0021 U	0.0021 U	0.002 U	0.002 U
Alpha Endosulfan	NS	NS	102	0.0069 U	0.0069 U	0.0068 U	0.0068 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	0.0021 U	0.0021 U	0.002 U	0.002 U
Beta Endosulfan	NS	NS	102	0.0069 U	0.0069 U	0.0068 U	0.0068 U
cis-Chlordane	0.094	4.2	2.9	0.0069 U	0.0069 U	0.0068 U	0.0068 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	0.0021 U	0.0021 U	0.002 U	0.002 U
Dieldrin	0.005	0.2	0.1	0.0021 U	0.0021 U	0.002 U	0.002 U
Endosulfan Sulfate	NS	NS	1,000	0.0069 U	0.0069 U	0.0068 U	0.0068 U
Endosulfans ABS	2.4	24	NS	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.06	0.0069 U	0.0069 U	0.0068 U	0.0068 U
Endrin Aldehyde	NS	NS	NS	0.0069 U	0.0069 U	0.0068 U	0.0068 U
Endrin Ketone	NS	NS	NS	0.0069 U	0.0069 U	0.0068 U	0.0068 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	0.0021 U	0.0021 U	0.002 U	0.002 U
Heptachlor	0.042	2.1	0.38	0.0069 U	0.0069 U	0.0068 U	0.0068 U
Heptachlor Epoxide	NS	NS	NS	0.0069 U	0.0069 U	0.0068 U	0.0068 U
Methoxychlor	NS	NS	NS	0.0069 U	0.0069 U	0.0068 U	0.0068 U
P,P'-DDD	**0.0033**	13	14	0.0069 U	0.0069 U	0.0068 U	**0.005 J**
P,P'-DDE	**0.0033**	8.9	17	0.0069 U	0.0025 J	0.0068 U	**0.0036 J**
P,P'-DDT	**0.0033**	7.9	136	0.0022 J	**0.01**	**0.0062 J**	**0.029**
Toxaphene	NS	NS	NS	0.069 U	0.069 U	0.068 U	0.068 U

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Soil Analytical Results of Pesticides

				AKRF Sample ID	RI-SB-03_0-2_20230802	RI-SB-03_9-11_20230802	RI-SB-04_2-4_20230802	RI-SB-04_6-8_20230802
				Laboratory Sample ID	460-285367-1	460-285367-2	460-285367-3	460-285367-4
				Date Sampled	8/02/2023	8/02/2023	8/02/2023	8/02/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.19		0.0068 U	0.0068 U	0.0068 U	0.007 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02		0.002 U	0.002 U	0.002 U	0.0021 U
Alpha Endosulfan	NS	NS	102		0.0068 U	0.0068 U	0.0068 U	0.007 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09		0.002 U	0.002 U	0.002 U	0.0021 U
Beta Endosulfan	NS	NS	102		0.0068 U	0.0068 U	0.0068 U	0.007 U
cis-Chlordane	0.094	4.2	2.9		0.0068 U	0.0068 U	0.0068 U	0.033 P
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25		0.002 U	0.002 U	0.002 U	0.0021 U
Dieldrin	0.005	0.2	0.1		0.002 U	0.002 U	0.002 U	0.0021 U
Endosulfan Sulfate	NS	NS	1,000		0.0068 U	0.0068 U	0.0068 U	0.007 U
Endosulfans ABS	2.4	24	NS		0 U	0 U	0 U	0 U
Endrin	0.014	11	0.06		0.0068 U	0.0068 U	0.0068 U	0.007 U
Endrin Aldehyde	NS	NS	NS		0.0068 U	0.0068 U	0.0068 U	0.007 U
Endrin Ketone	NS	NS	NS		0.0068 U	0.0068 U	0.0068 U	0.007 U
Gamma Bhc (Lindane)	0.1	1.3	0.1		0.002 U	0.002 U	0.002 U	0.0021 U
Heptachlor	0.042	2.1	0.38		0.0068 U	0.0068 U	0.0068 U	0.007 U
Heptachlor Epoxide	NS	NS	NS		0.0068 U	0.0068 U	0.0068 U	0.007 U
Methoxychlor	NS	NS	NS		0.0068 U	0.0068 U	0.0068 U	0.007 U
P,P'-DDD	**0.0033**	13	14		0.0025 J	0.0068 U	0.0068 U	**0.011**
P,P'-DDE	**0.0033**	8.9	17		**0.0037 J**	0.0068 U	0.003 J	**0.034**
P,P'-DDT	**0.0033**	7.9	136		**0.015**	0.0068 U	**0.0093**	**0.021**
Toxaphene	NS	NS	NS		0.068 U	0.068 U	0.068 U	0.07 U

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Soil Analytical Results of Pesticides

				AKRF Sample ID	RI-SB-05_2-4_20230801	RI-SB-05_7-9_20230801	RI-SB-06_2-4_20230802	RI-SB-06_6-8_20230802
				Laboratory Sample ID	460-285294-11	460-285294-12	460-285367-5	460-285367-6
				Date Sampled	8/01/2023	8/01/2023	8/02/2023	8/02/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.19		0.0069 U	0.0073 U	0.007 U	0.0071 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02		0.0021 U	0.0022 U	0.0021 U	0.0021 U
Alpha Endosulfan	NS	NS	102		0.0069 U	0.0073 U	0.007 U	0.0071 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09		0.0021 U	0.0022 U	0.0021 U	0.0021 U
Beta Endosulfan	NS	NS	102		0.0069 U	0.0073 U	0.007 U	0.0071 U
cis-Chlordane	0.094	4.2	2.9		0.0069 U	0.0073 U	0.0076 P	0.012 P
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25		0.0021 U	0.0022 U	0.0021 U	0.0021 U
Dieldrin	0.005	0.2	0.1		0.0021 U	0.0022 U	0.0021 U	0.0021 U
Endosulfan Sulfate	NS	NS	1,000		0.0069 U	0.0073 U	0.007 U	0.0071 U
Endosulfans ABS	2.4	24	NS		0 U	0 U	0 U	0 U
Endrin	0.014	11	0.06		0.0069 U	0.0073 U	0.007 U	0.0071 U
Endrin Aldehyde	NS	NS	NS		0.0069 U	0.0073 U	0.007 U	0.0071 U
Endrin Ketone	NS	NS	NS		0.0069 U	0.0073 U	0.007 U	0.0071 U
Gamma Bhc (Lindane)	0.1	1.3	0.1		0.0021 U	0.0022 U	0.0021 U	0.0021 U
Heptachlor	0.042	2.1	0.38		0.0069 U	0.0073 U	0.007 U	0.0071 U
Heptachlor Epoxide	NS	NS	NS		0.0069 U	0.0073 U	0.007 U	0.0071 U
Methoxychlor	NS	NS	NS		0.0069 U	0.0073 U	0.007 U	0.0071 U
P,P'-DDD	**0.0033**	13	14		**0.01**	**0.016**	**0.0074**	**0.013**
P,P'-DDE	**0.0033**	8.9	17		**0.0056 J**	**0.027**	**0.0051 JP**	**0.027**
P,P'-DDT	**0.0033**	7.9	136		**0.01**	**0.1**	**0.056**	**0.15**
Toxaphene	NS	NS	NS		0.069 U	0.073 U	0.07 U	0.071 U

Table 6
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Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Pesticides

				AKRF Sample ID	RI-SB-07_0-2_20230802	RI-SB-07_4-6_20230802	RI-SB-08_0-2_20230801	RI-SB-08_4-6_20230801
				Laboratory Sample ID	460-285367-7	460-285367-8	460-285294-5	460-285294-6
				Date Sampled	8/02/2023	8/02/2023	8/01/2023	8/01/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.19		0.0076 U	0.0071 U	0.0069 U	0.0069 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02		0.0023 U	0.0021 U	0.002 U	0.0021 U
Alpha Endosulfan	NS	NS	102		0.0076 U	0.0071 U	0.0069 U	0.0069 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09		0.0023 U	0.0021 U	0.002 U	0.0021 U
Beta Endosulfan	NS	NS	102		0.0076 U	0.0071 U	0.0069 U	0.0069 U
cis-Chlordane	0.094	4.2	2.9		0.012 P	0.0071 U	0.0069 U	0.0069 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25		0.0023 U	0.0021 U	0.002 U	0.0021 U
Dieldrin	0.005	0.2	0.1		0.0023 U	0.0021 U	0.002 U	0.0021 U
Endosulfan Sulfate	NS	NS	1,000		0.0076 U	0.0071 U	0.0069 U	0.0069 U
Endosulfans ABS	2.4	24	NS		0 U	0 U	0 U	0 U
Endrin	0.014	11	0.06		0.0076 U	0.0071 U	0.0069 U	0.0069 U
Endrin Aldehyde	NS	NS	NS		0.0076 U	0.0071 U	0.0069 U	0.0069 U
Endrin Ketone	NS	NS	NS		0.0076 U	0.0071 U	0.0069 U	0.0069 U
Gamma Bhc (Lindane)	0.1	1.3	0.1		0.0023 U	0.0021 U	0.002 U	0.0021 U
Heptachlor	0.042	2.1	0.38		0.0076 U	0.0071 U	0.0069 U	0.0069 U
Heptachlor Epoxide	NS	NS	NS		0.0076 U	0.0071 U	0.0069 U	0.0069 U
Methoxychlor	NS	NS	NS		0.0076 U	0.0071 U	0.0069 U	0.0069 U
P,P'-DDD	**0.0033**	13	14		**0.069**	0.0071 U	0.0069 U	**0.0037 J**
P,P'-DDE	**0.0033**	8.9	17		**0.017**	0.0071 U	0.0024 J	0.0028 J
P,P'-DDT	**0.0033**	7.9	136		**0.019**	0.0071 U	0.0025 JP	**0.0048 JP**
Toxaphene	NS	NS	NS		0.076 U	0.071 U	0.069 U	0.069 U

Table 6
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Subsurface (Phase II) Investigation
Soil Analytical Results of Pesticides

				AKRF Sample ID	RI-SB-09_0-2_20230801	RI-SB-09_4-6_20230801	RI-SB-10_0-2_20230801	RI-SB-10_4-6_20230801
				Laboratory Sample ID	460-285294-7	460-285294-8	460-285294-9	460-285294-10
				Date Sampled	8/01/2023	8/01/2023	8/01/2023	8/01/2023
				Dilution Factor	1	1	1	1
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	**NYSDEC PGWSCO**		CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.19		0.0069 U	0.0069 U	0.0071 U	0.0071 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02		0.0021 U	0.0021 U	0.0021 U	0.0021 U
Alpha Endosulfan	NS	NS	102		0.0069 U	0.0069 U	0.0071 U	0.0071 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09		0.0021 U	0.0021 U	0.0021 U	0.0021 U
Beta Endosulfan	NS	NS	102		0.0069 U	0.0069 U	0.0071 U	0.0071 U
cis-Chlordane	0.094	4.2	2.9		0.0054 JP	0.005 JP	0.0071 U	0.0042 JP
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25		0.0021 U	0.0021 U	0.0021 U	0.0021 U
Dieldrin	0.005	0.2	0.1		0.0021 U	0.0021 U	0.0021 U	0.0021 U
Endosulfan Sulfate	NS	NS	1,000		0.0069 U	0.0069 U	0.0071 U	0.0071 U
Endosulfans ABS	2.4	24	NS		0 U	0 U	0 U	0 U
Endrin	0.014	11	0.06		0.0069 U	0.0069 U	0.0071 U	0.0071 U
Endrin Aldehyde	NS	NS	NS		0.0069 U	0.0069 U	0.0071 U	0.0071 U
Endrin Ketone	NS	NS	NS		0.0069 U	0.0069 U	0.0071 U	0.0071 U
Gamma Bhc (Lindane)	0.1	1.3	0.1		0.0021 U	0.0021 U	0.0021 U	0.0021 U
Heptachlor	0.042	2.1	0.38		0.0069 U	0.0069 U	0.0071 U	0.0071 U
Heptachlor Epoxide	NS	NS	NS		0.0069 U	0.0069 U	0.0071 U	0.0071 U
Methoxychlor	NS	NS	NS		0.0069 U	0.0069 U	0.0071 U	0.0071 U
P,P'-DDD	**0.0033**	13	14		**0.0045 J**	**0.0035 J**	0.0071 U	0.0071 U
P,P'-DDE	**0.0033**	8.9	17		**0.0051 JP**	**0.0055 J**	**0.0052 J**	0.0071 U
P,P'-DDT	**0.0033**	7.9	136		**0.093**	**0.02**	**0.0075**	**0.041**
Toxaphene	NS	NS	NS		0.069 U	0.069 U	0.071 U	0.071 U

Table 7
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

			AKRF Sample ID	RI-SB-01_0-2_20230801	RI-SB-06_6-8_20230802	RI-SB-07_4-6_20230802
			Laboratory Sample ID	460-285303-1	460-285401-2	460-285401-1
			Date Sampled	8/01/2023	8/02/2023	8/02/2023
			Dilution Factor	1	1	1
			Unit	ppb	ppb	ppb
Compound	**NYSDEC UUGV**	**NYSDEC RRGV**	**NYSDEC PGWGV**	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	NS	NS	0.89 U	0.87 U	0.83 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	NS	NS	0.89 U	0.87 U	0.83 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	NS	NS	5.54 U	5.43 U	5.22 U
3-Perfluoroheptyl propanoic acid	NS	NS	NS	5.54 U	5.43 U	5.22 U
3-Perfluoropropyl propanoic acid	NS	NS	NS	1.11 U	1.09 U	1.04 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	NS	NS	0.89 U	0.87 U	0.83 U
6:2 Fluorotelomer sulfonate	NS	NS	NS	0.89 U	0.87 U	0.83 U
8:2 Fluorotelomer sulfonate	NS	NS	NS	0.89 U	0.87 U	0.83 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	NS	NS	0.89 U	0.87 U	0.83 U
Hexafluoropropylene oxide dimer acid	NS	NS	NS	0.89 U	0.87 U	0.83 U
N-ethyl perfluorooctanesulfonamide	NS	NS	NS	0.22 U	0.22 U	0.21 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	0.22 U	0.22 U	0.21 U
N-ethyl perfluorooctanesulfonamidoethanol	NS	NS	NS	2.21 U	2.17 U	2.09 U
N-methyl perfluorooctanesulfonamide	NS	NS	NS	0.22 U	0.22 U	0.21 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	NS	0.22 U	0.064 J	0.21 U
N-methyl perfluorooctanesulfonamidoethanol	NS	NS	NS	2.21 U	2.17 U	2.09 U
Nonafluoro-3,6-dioxaheptanoic acid	NS	NS	NS	0.44 U	0.43 U	0.42 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	NS	NS	0.44 U	0.43 U	0.42 U
Perfluoro-3-methoxypropanoic acid	NS	NS	NS	0.44 U	0.43 U	0.42 U
Perfluoro-4-methoxybutanoic acid	NS	NS	NS	0.44 U	0.43 U	0.42 U
Perfluorobutanesulfonic acid	NS	NS	NS	0.22 U	0.22 U	0.21 U
Perfluorobutanoic acid	NS	NS	NS	0.89 U	0.87 U	0.83 U
Perfluorodecanesulfonic acid	NS	NS	NS	0.22 U	0.5	0.21 U
Perfluorodecanoic acid	NS	NS	NS	0.22 U	0.091 J	0.21 U
Perfluorododecanesulfonic acid	NS	NS	NS	0.22 U	0.22 U	0.21 U
Perfluorododecanoic acid	NS	NS	NS	0.22 U	0.086 J	0.21 U
Perfluoroheptanesulfonic acid	NS	NS	NS	0.22 U	0.22 U	0.21 U
Perfluoroheptanoic acid	NS	NS	NS	0.22 U	0.1 J	0.21 U
Perfluorohexanesulfonic acid	NS	NS	NS	0.22 U	0.039 J	0.027 J
Perfluorohexanoic acid	NS	NS	NS	0.22 U	0.11 J	0.21 U
Perfluorononanesulfonic acid	NS	NS	NS	0.22 U	0.22 U	0.21 U
Perfluorononanoic acid	NS	NS	NS	0.028 J	0.13 J	0.21 U
Perfluorooctanesulfonamide	NS	NS	NS	0.024 J	0.021 J	0.019 J
Perfluorooctanesulfonic acid (PFOS)	**0.88**	44	1	**1.36**	**2.23**	0.23
Perfluorooctanoic acid (PFOA)	**0.66**	33	0.8	0.31	0.55	**0.78**
Perfluoropentanoic acid	NS	NS	NS	0.088 J	0.18 J	0.42 U
Perfluoropentansulfonic acid	NS	NS	NS	0.22 U	0.22 U	0.21 U
Perfluorotetradecanoic acid	NS	NS	NS	0.22 U	0.22 U	0.21 U
Perfluorotridecanoic acid	NS	NS	NS	0.22 U	0.22 U	0.21 U
Perfluoroundecanoic acid	NS	NS	NS	0.22 U	0.052 J	0.21 U

Table 8
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Groundwater Analytical Results of VOCs

	AKRF Sample ID	RI-TW-01_20230801		RI-TW-02_20230803		RI-TW-03_20230802		RI-TW-04_20230803	
	Laboratory Sample ID	460-285302-1		460-285506-1		460-285399-2		460-285506-2	
	Date Sampled	8/01/2023		8/03/2023		8/02/2023		8/03/2023	
	Unit	µg/L		µg/L		µg/L		µg/L	
	Dilution Factor	1		1		1		1	
Compound	**AWQSGV**	CONC	Q	CONC	Q	CONC	Q	CONC	Q
1,1,1-Trichloroethane	5	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	5	1	U	1	U	1	U	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	5	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1	1	U	1	U	1	U	1	U
1,1-Dichloroethane	5	1	U	1	U	1	U	1	U
1,1-Dichloroethene	5	1	U	1	U	1	U	1	U
1,2,3-Trichlorobenzene	5	1	U	1	U	1	U	1	U
1,2,4-Trichlorobenzene	5	1	U	1	U	1	U	1	U
1,2,4-Trimethylbenzene	5	1	U	1	U	1	U	1	U
1,2-Dibromo-3-Chloropropane	0.04	1	U	1	U	1	U	1	U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	1	U	1	U	1	U	1	U
1,2-Dichloroethane	0.6	1	U	1	U	1	U	1	U
1,2-Dichloropropane	1	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene (Mesitylene)	5	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	3	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	1	U	1	U	1	U	1	U
2-Hexanone	50	5	U	5	U	5	U	5	U
Acetone	50	5	U	5	U	5	U	6.5	
Benzene	1	1	U	1	U	1	U	1	U
Bromochloromethane	5	1	U	1	U	1	U	1	U
Bromodichloromethane	50	1	U	1	U	1	U	1	U
Bromoform	50	1	U	1	U	1	U	1	U
Bromomethane	5	1	U	1	U	1	U	1	U
Carbon Disulfide	60	1	U	1	U	1	U	1	U
Carbon Tetrachloride	5	1	U	1	U	1	U	1	U
Chlorobenzene	5	1	U	1	U	1	U	1	U
Chloroethane	5	1	U	1	U	1	U	1	U
Chloroform	7	1	U	1	U	1	U	1	U
Chloromethane	5	1	U	1	U	1	U	1	U
Cis-1,2-Dichloroethylene	5	1	U	1	U	1	U	1	U
Cis-1,3-Dichloropropene	NS	1	U	1	U	1	U	1	U
Cyclohexane	NS	1	U	1	U	1	U	1	U
Dibromochloromethane	50	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	5	1	U	1	U	1	U	1	U
Ethylbenzene	5	1	U	1	U	1	U	1	U
Isopropylbenzene (Cumene)	5	1	U	1	U	1	U	1	U
M,P-Xylenes	5	1	U	1	U	1	U	1	U
Methyl Acetate	NS	5	U	5	U	5	U	5	U
Methyl Ethyl Ketone (2-Butanone)	50	5	U	5	U	5	U	5	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5	U	5	U	5	U	5	U
Methylcyclohexane	NS	1	U	1	U	1	U	1	U
Methylene Chloride	5	1	U	1	U	1	U	1	U
N-Butylbenzene	5	1	U	1	U	1	U	1	U
N-Propylbenzene	5	1	U	1	U	1	U	1	U
O-Xylene (1,2-Dimethylbenzene)	5	1	U	1	U	1	U	1	U
Sec-Butylbenzene	5	1	U	1	U	1	U	1	U
Styrene	5	1	U	1	U	1	U	1	U
T-Butylbenzene	5	1	U	1	U	1	U	1	U
Tert-Butyl Methyl Ether	10	1	U	1	U	1	U	1	U
Tetrachloroethylene (PCE)	5	0.33	J	0.85	J	1	U	0.37	J
Toluene	5	1	U	1	U	1	U	1	U
Trans-1,2-Dichloroethene	5	1	U	1	U	1	U	1	U
Trans-1,3-Dichloropropene	NS	1	U	1	U	1	U	1	U
Trichloroethylene (TCE)	5	1	U	1	U	1	U	1	U
Trichlorofluoromethane	5	1	U	1	U	1	U	1	U
Vinyl Chloride	2	1	U	1	U	1	U	1	U
Xylenes, Total	NS	2	U	2	U	2	U	2	U

Table 9
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Groundwater Analytical Results of SVOCs

	AKRF Sample ID	RI-TW-01_20230801	RI-TW-01_20230802	RI-TW-02_20230803
	Laboratory Sample ID	460-285302-1	460-285399-1	460-285506-1
	Date Sampled	8/01/2023	8/02/2023	8/03/2023
	Unit	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	5	10 U	NR	10 U
1,4-Dioxane (P-Dioxane)	0.35	NR	0.2 U	0.2 UT
2,3,4,6-Tetrachlorophenol	NS	10 U	NR	10 U
2,4,5-Trichlorophenol	NS	10 U	NR	10 U
2,4,6-Trichlorophenol	NS	10 U	NR	10 U
2,4-Dichlorophenol	5	10 U	NR	10 U
2,4-Dimethylphenol	50	10 U	NR	10 U
2,4-Dinitrophenol	10	40 U	NR	40 U
2,4-Dinitrotoluene	5	10 U	NR	10 U
2,6-Dinitrotoluene	5	2 U	NR	2 U
2-Chloronaphthalene	10	10 U	NR	10 U
2-Chlorophenol	NS	10 U	NR	10 U
2-Methylnaphthalene	NS	10 U	NR	10 U
2-Methylphenol (O-Cresol)	NS	10 U	NR	10 U
2-Nitroaniline	5	10 U	NR	10 U
2-Nitrophenol	NS	10 U	NR	10 U
3- And 4- Methylphenol (Total)	NS	10 U	NR	10 U
3,3'-Dichlorobenzidine	5	10 U	NR	10 U
3-Nitroaniline	5	10 U	NR	10 U
4,6-Dinitro-2-Methylphenol	NS	20 U	NR	20 U
4-Bromophenyl Phenyl Ether	NS	10 U	NR	10 U
4-Chloro-3-Methylphenol	NS	10 U	NR	10 U
4-Chloroaniline	5	10 U	NR	10 U
4-Chlorophenyl Phenyl Ether	NS	10 U	NR	10 U
4-Methylphenol (P-Cresol)	NS	10 U	NR	10 U
4-Nitroaniline	5	10 U	NR	10 U
4-Nitrophenol	NS	20 U	NR	20 U
Acenaphthene	20	10 U	NR	10 U
Acenaphthylene	NS	10 U	NR	10 U
Acetophenone	NS	10 U	NR	10 U
Anthracene	50	10 U	NR	10 U
Atrazine	7.5	2 UT	NR	2 UT
Benzaldehyde	NS	10 U	NR	10 UT
Benzo(a)Anthracene	**0.002**	1 U	NR	1 U
Benzo(a)Pyrene	**ND**	1 U	NR	1 U
Benzo(b)Fluoranthene	**0.002**	2 U	NR	2 U
Benzo(g,h,i)Perylene	NS	10 U	NR	10 U
Benzo(k)Fluoranthene	0.002	1 U	NR	1 U
Benzyl Butyl Phthalate	50	10 U	NR	10 U
Biphenyl (Diphenyl)	5	10 U	NR	10 U
Bis(2-Chloroethoxy) Methane	5	10 U	NR	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	1 U	NR	1 U
Bis(2-Chloroisopropyl) Ether	5	10 U	NR	10 U
Bis(2-Ethylhexyl) Phthalate	5	2 U	NR	2 U
Caprolactam	NS	10 U	NR	10 U
Carbazole	NS	10 U	NR	10 U
Chrysene	**0.002**	2 U	NR	2 U
Dibenz(a,h)Anthracene	NS	1 U	NR	1 U
Dibenzofuran	NS	10 U	NR	10 U
Diethyl Phthalate	50	10 U	NR	10 U
Dimethyl Phthalate	50	10 U	NR	10 U
Di-N-Butyl Phthalate	50	10 U	NR	10 U
Di-N-Octylphthalate	50	10 U	NR	10 U
Fluoranthene	50	10 U	NR	10 U
Fluorene	50	10 U	NR	10 U
Hexachlorobenzene	0.04	1 U	NR	1 U
Hexachlorobutadiene	0.5	1 U	NR	1 U
Hexachlorocyclopentadiene	5	10 U	NR	10 U
Hexachloroethane	5	2 U	NR	2 U
Indeno(1,2,3-c,d)Pyrene	0.002	2 U	NR	2 U
Isophorone	50	10 U	NR	10 U
Naphthalene	10	2 U	NR	2 U
Nitrobenzene	0.4	1 U	NR	1 U
N-Nitrosodi-N-Propylamine	NS	1 U	NR	1 U
N-Nitrosodiphenylamine	50	10 U	NR	10 U
Pentachlorophenol	NS	20 U	NR	20 U
Phenanthrene	50	10 U	NR	10 U
Phenol	1	10 U	NR	10 U
Pyrene	50	10 U	NR	10 U

Table 9
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Groundwater Analytical Results of SVOCs

	AKRF Sample ID	RI-TW-03_20230802	RI-TW-04_20230803
	Laboratory Sample ID	460-285399-2	460-285506-2
	Date Sampled	8/02/2023	8/03/2023
	Unit	µg/L	µg/L
	Dilution Factor	1	1
Compound	**AWQSGV**	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U
1,4-Dioxane (P-Dioxane)	0.35	0.2 U	NR
2,3,4,6-Tetrachlorophenol	NS	10 U	10 U
2,4,5-Trichlorophenol	NS	10 U	10 U
2,4,6-Trichlorophenol	NS	10 U	10 U
2,4-Dichlorophenol	5	10 U	10 U
2,4-Dimethylphenol	50	10 U	10 U
2,4-Dinitrophenol	10	40 U	40 U
2,4-Dinitrotoluene	5	10 U	10 U
2,6-Dinitrotoluene	5	2 U	2 U
2-Chloronaphthalene	10	10 U	10 U
2-Chlorophenol	NS	10 U	10 U
2-Methylnaphthalene	NS	10 U	10 U
2-Methylphenol (O-Cresol)	NS	10 U	10 U
2-Nitroaniline	5	10 U	10 U
2-Nitrophenol	NS	10 U	10 U
3- And 4- Methylphenol (Total)	NS	10 U	10 U
3,3'-Dichlorobenzidine	5	10 U	10 U
3-Nitroaniline	5	10 U	10 U
4,6-Dinitro-2-Methylphenol	NS	20 U	20 U
4-Bromophenyl Phenyl Ether	NS	10 U	10 U
4-Chloro-3-Methylphenol	NS	10 U	10 U
4-Chloroaniline	5	10 U	10 U
4-Chlorophenyl Phenyl Ether	NS	10 U	10 U
4-Methylphenol (P-Cresol)	NS	10 U	10 U
4-Nitroaniline	5	10 U	10 U
4-Nitrophenol	NS	20 U	20 U
Acenaphthene	20	10 U	10 U
Acenaphthylene	NS	10 U	10 U
Acetophenone	NS	10 U	10 U
Anthracene	50	10 U	10 U
Atrazine	7.5	2 U	2 UT
Benzaldehyde	NS	10 U	10 UT
Benzo(a)Anthracene	**0.002**	1 U	**1.1**
Benzo(a)Pyrene	**ND**	1 U	**1.1**
Benzo(b)Fluoranthene	**0.002**	2 U	**1.2 J**
Benzo(g,h,i)Perylene	NS	10 U	10 U
Benzo(k)Fluoranthene	0.002	1 U	1 U
Benzyl Butyl Phthalate	50	10 U	10 U
Biphenyl (Diphenyl)	5	10 U	10 U
Bis(2-Chloroethoxy) Methane	5	10 U	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	1 U	1 U
Bis(2-Chloroisopropyl) Ether	5	10 U	10 U
Bis(2-Ethylhexyl) Phthalate	5	2 U	2 U
Caprolactam	NS	10 U	10 U
Carbazole	NS	10 U	10 U
Chrysene	**0.002**	2 U	**1 J**
Dibenz(a,h)Anthracene	NS	1 UT	1 U
Dibenzofuran	NS	10 U	10 U
Diethyl Phthalate	50	3.7 J	10 U
Dimethyl Phthalate	50	10 U	10 U
Di-N-Butyl Phthalate	50	10 U	10 U
Di-N-Octylphthalate	50	10 U	10 U
Fluoranthene	50	10 U	2 J
Fluorene	50	10 U	10 U
Hexachlorobenzene	0.04	1 U	1 U
Hexachlorobutadiene	0.5	1 U	1 U
Hexachlorocyclopentadiene	5	10 U	10 U
Hexachloroethane	5	2 U	2 U
Indeno(1,2,3-c,d)Pyrene	0.002	2 U	2 U
Isophorone	50	10 U	10 U
Naphthalene	10	2 U	2 U
Nitrobenzene	0.4	1 U	1 U
N-Nitrosodi-N-Propylamine	NS	1 U	1 U
N-Nitrosodiphenylamine	50	10 U	10 U
Pentachlorophenol	NS	20 U	20 U
Phenanthrene	50	10 U	10 U
Phenol	1	10 U	10 U
Pyrene	50	10 U	1.9 J

Table 10
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Groundwater Analytical Results of Total Metals

AKRF Sample ID		RI-TW-01_20230801	RI-TW-02_20230803	RI-TW-03_20230802	RI-TW-04_20230803
Laboratory Sample ID		460-285302-1	460-285506-1	460-285399-2	460-285506-2
Date Sampled		8/01/2023	8/03/2023	8/02/2023	8/03/2023
Unit		µg/L	µg/L	µg/L	µg/L
Dilution Factor		1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	127,000	20,000	1,750	11,800
Antimony	3	2.3	0.67 J	2 U	1.4 J
Arsenic	**25**	**45.1**	7.7	2 U	7.2
Barium	**1,000**	**1,480**	261	92.6	986
Beryllium	**3**	**10.4**	1.2	0.15 J	0.67 J
Cadmium	5	2.7	2 U	2 U	0.8 J
Calcium	NS	192,000	77,300	110,000	99,600
Chromium, Total	**50**	**280**	38.9	3 J	30
Cobalt	NS	144	19.2	2 J	9.5
Copper	**200**	**406**	53.3	6.5	47.3
Iron	**300**	**223,000**	**33,300**	**2,840**	**15,900**
Lead	**25**	**549**	**39.7**	2.5	**1,440**
Magnesium	**35,000**	**88,900**	24,500	33,600	11,700
Manganese	**300**	**5,040**	**1,130**	160	**524**
Mercury	**0.7**	**0.84**	0.13 J	0.2 U	0.58
Nickel	**100**	**698**	99.7	13.1	42.8
Potassium	NS	28,000	9,440	13,900	6,980
Selenium	10	2.5	1.3 BJ	6.9 B	1.5 BJ
Silver	50	2 U	2 U	2 U	2 U
Sodium	**20,000**	**50,600**	**37,200**	17,800	13,600
Thallium	0.5	0.41 J	0.8 U	0.8 U	0.8 U
Vanadium	NS	346	51.7	4.2	41.6
Zinc	2,000	1,050	114	15.9 J	547

Table 11
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Groundwater Analytical Results of Dissolved Metals

AKRF Sample ID		RI-TW-01_20230801	RI-TW-02_20230803	RI-TW-03_20230802	RI-TW-04_20230803
Laboratory Sample ID		460-285302-1	460-285506-1	460-285399-2	460-285506-2
Date Sampled		8/01/2023	8/03/2023	8/02/2023	8/03/2023
Unit		µg/L	µg/L	µg/L	µg/L
Dilution Factor		1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	99.4 B	40 U	970	40 U
Antimony	3	0.74 J	2 U	2 U	0.6 J
Arsenic	25	2 U	2 U	2 U	1.4 J
Barium	1,000	85.4	84	90.6	107
Beryllium	3	0.8 U	0.8 U	0.14 J	0.8 U
Cadmium	5	2 U	2 U	2 U	2 U
Calcium	NS	99,200	79,800	106,000	89,800
Chromium, Total	50	4 U	4 U	4 U	4 U
Cobalt	NS	0.85 J	0.59 J	1.7 J	1.1 J
Copper	200	4 U	2.8 J	4.8	6.8
Iron	**300**	58.6 BJ	120 U	**1,360**	205
Lead	25	0.44 J	1.2 U	1.7	22.9
Magnesium	35,000	20,700	16,400	33,300	17,300
Manganese	**300**	**342 B**	146	145	**918**
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	3.3 J	3 J	11	2 J
Potassium	NS	7,690 B	5,470	14,100	8,500
Selenium	10	2.5 U	1.1 J	6.1	0.58 J
Silver	50	2 U	2 U	2 U	2 U
Sodium	**20,000**	**53,500**	**31,100**	17,500	**26,800**
Thallium	0.5	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	NS	4 U	4 U	2.2 J	2.8 J
Zinc	2,000	16 U	16 U	9.7 J	14.8 J

Table 12
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Groundwater Analytical Results of PCBs

AKRF Sample ID		RI-TW-01_20230802	RI-TW-02_20230803	RI-TW-03_20230802	RI-TW-04_20230803
Laboratory Sample ID		460-285399-1	460-285506-1	460-285399-2	460-285506-2
Date Sampled		8/02/2023	8/03/2023	8/02/2023	8/03/2023
Unit		µg/L	µg/L	µg/L	µg/L
Dilution Factor		1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1221 (Aroclor 1221)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1232 (Aroclor 1232)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1242 (Aroclor 1242)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1248 (Aroclor 1248)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1254 (Aroclor 1254)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1260 (Aroclor 1260)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1262 (Aroclor 1262)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1268 (Aroclor 1268)	NS	0.4 U	0.4 U	0.4 U	0.4 U
Total PCBs	0.09	0.4 U	0.4 U	0.4 U	0.4 U

Table 13
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Groundwater Analytical Results of Pesticides

AKRF Sample ID		RI-TW-01_20230802	RI-TW-02_20230803	RI-TW-03_20230802	RI-TW-04_20230803
Laboratory Sample ID		460-285399-1	460-285506-1	460-285399-2	460-285506-2
Date Sampled		8/02/2023	8/03/2023	8/02/2023	8/03/2023
Unit		µg/L	µg/L	µg/L	µg/L
Dilution Factor		1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	ND	0.02 UT	0.02 U	0.02 UT	0.02 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	0.02 UT	0.02 U	0.02 UT	0.02 U
Alpha Endosulfan	NS	0.02 UT	0.02 U	0.02 UT	0.02 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	0.02 U	0.02 U	0.02 U	0.02 U
Beta Endosulfan	NS	0.02 U	0.02 U	0.02 U	0.02 U
cis-Chlordane	NS	0.02 UT	0.02 U	0.02 UT	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	0.02 U	0.02 U	0.02 U	0.02 U
Dieldrin	0.004	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	NS	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfans ABS	NS	0 U	0 U	0 U	0 U
Endrin	ND	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Aldehyde	5	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Ketone	5	0.02 U	0.02 U	0.02 U	0.02 U
Gamma Bhc (Lindane)	0.05	0.02 UT	0.02 U	0.02 UT	0.02 U
Heptachlor	0.04	0.02 UT	0.02 U	0.02 UT	0.02 U
Heptachlor Epoxide	0.03	0.02 UT	0.02 U	0.02 UT	0.02 U
Methoxychlor	35	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDD	0.3	0.02 UT	0.02 U	0.02 UT	0.02 U
P,P'-DDE	0.2	0.02 UT	0.02 U	0.02 UT	0.02 U
P,P'-DDT	0.2	0.02 U	0.02 U	0.02 U	0.02 U
Toxaphene	0.06	0.5 U	0.5 U	0.5 U	0.5 U

Table 14
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Groundwater Analytical Results of PFAS

	AKRF Sample ID	RI-TW-02_20230803	RI-TW-03_20230802	RI-TW-04_20230803
	Laboratory Sample ID	460-285490-1	460-285400-1	460-285490-2
	Date Sampled	8/03/2023	8/02/2023	8/03/2023
	Unit	ppt	ppt	ppt
	Dilution Factor	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	10.4 U	16 UT	16 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	10.4 U	16 U	16 U
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	NS	26 U	39.9 U	40 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	NS	26 U	39.9 U	40 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	65.1 U	99.8 U	100 U
3-Perfluoroheptyl propanoic acid	NS	65.1 U	99.8 U	100 U
3-Perfluoropropyl propanoic acid	NS	13 U	20 U	20 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NS	10.4 U	16 U	16 U
6:2 Fluorotelomer sulfonate	NS	10.4 U	16 U	16 U
8:2 Fluorotelomer sulfonate	NS	10.4 U	16 U	16 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	10.4 U	16 UT	16 U
N-ethyl perfluorooctanesulfonamide	NS	2.6 U	3.99 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	2.6 U	3.99 U	4 U
N-methyl perfluorooctanesulfonamide	NS	2.6 U	3.99 U	4 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	5.2 U	7.99 U	8.01 U
Nonafluoro-3,6-dioxaheptanoic acid	NS	5.2 U	7.99 U	8.01 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	5.2 U	7.99 U	8.01 U
Perfluoro(2-Propoxypropanoic) Acid	NS	10.4 U	16 U	16 U
Perfluoro-3-methoxypropanoic acid	NS	5.2 U	7.99 U	8.01 U
Perfluoro-4-methoxybutanoic acid	NS	5.2 U	7.99 U	8.01 U
Perfluorobutanesulfonic acid	NS	3.33 T	7.76	3.2 JT
Perfluorobutanoic acid	NS	11.3	12.2 J	13.4 J
Perfluorodecanesulfonic acid	NS	2.6 U	3.99 U	4 U
Perfluorodecanoic acid	NS	1.36 J	3.99 U	2.38 J
Perfluorododecanesulfonic acid	NS	2.6 U	3.99 U	4 U
Perfluorododecanoic acid	NS	2.6 U	3.99 U	4 U
Perfluoroheptanesulfonic acid	NS	1.13 J	2.5 J	4 U
Perfluoroheptanoic acid	NS	8.9	15.5	9.83
Perfluorohexanesulfonic acid	NS	3.69	8.48	4.53
Perfluorohexanoic acid	NS	9.96	12	11.5
Perfluorononanesulfonic acid	NS	2.6 U	3.99 U	4 U
Perfluorononanoic acid	NS	5.12	4.76	8.38
Perfluorooctanesulfonamide	NS	2.05 J	3.99 U	4 U
Perfluorooctanesulfonic acid (PFOS)	**2.7**	**79.7**	**97.4**	**113**
Perfluorooctanoic acid (PFOA)	**6.7**	**108**	**169**	**60.7**
Perfluoropentanoic acid	NS	11.5	10.8	14.5
Perfluoropentansulfonic acid	NS	2.6 U	1.97 J	1.57 J
Perfluorotetradecanoic acid	NS	2.6 U	3.99 U	4 U
Perfluorotridecanoic acid	NS	2.6 U	3.99 U	4 U
Perfluoroundecanoic acid	NS	2.6 U	3.99 U	4 U

Table 15
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Vapor Analytical Results of VOCs

AKRF Sample ID	RI-AA-01_20230801	RI-SV-01_20230801	RI-SV-01_20230801	RI-SV-03_20230802	RI-SV-03_20230802	RI-SV-04_20230802	RI-SV-04_20230802
Laboratory Sample ID	200-69358-4	200-69358-1	200-69358-1	200-69389-1	200-69389-1	200-69389-2	200-69389-2
Date Sampled	8/01/2023	8/01/2023	8/01/2023	8/02/2023	8/02/2023	8/02/2023	8/02/2023
Unit	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3
Dilution Factor	1	1	4	8	40	2	10
Compound	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	1.1 U	32	NR	8.7 U	NR	0.49 J	NR
1,1,2,2-Tetrachloroethane	1.4 U	1.4 U	NR	11 U	NR	2.7 U	NR
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NR	1.5 U	NR	12 U	NR	3.1 U	NR
1,1,2-Trichloroethane	1.1 U	1.1 U	NR	8.7 U	NR	2.2 U	NR
1,1-Dichloroethane	0.81 U	0.81 U	NR	6.5 U	NR	1.6 U	NR
1,1-Dichloroethene	0.2 U	0.2 U	NR	1.6 U	NR	0.4 U	NR
1,2,4-Trichlorobenzene	3.7 U	3.7 U	NR	30 U	NR	7.4 U	NR
1,2,4-Trimethylbenzene	0.98 U	15	NR	4.5 J	NR	11	NR
1,2-Dibromoethane (Ethylene Dibromide)	1.5 U	1.5 U	NR	12 U	NR	3.1 U	NR
1,2-Dichlorobenzene	1.2 U	1.2 U	NR	9.6 U	NR	2.4 U	NR
1,2-Dichloroethane	0.81 U	0.81 U	NR	58	NR	1.6 U	NR
1,2-Dichloropropane	0.92 U	0.92 U	NR	940	NR	1.8 U	NR
1,2-Dichlorotetrafluoroethane	NR	1.4 U	NR	11 U	NR	2.8 U	NR
1,3,5-Trimethylbenzene (Mesitylene)	0.98 U	4.7	NR	1.9 J	NR	2.2	NR
1,3-Butadiene	0.44 U	18	NR	5.6	NR	0.88 U	NR
1,3-Dichlorobenzene	1.2 U	16	NR	8.8 J	NR	35	NR
1,4-Dichlorobenzene	1.2 U	1.2 U	NR	9.6 U	NR	2.4 U	NR
2,2,4-Trimethylpentane	0.93 U	3.7	NR	7.5 U	NR	0.43 J	NR
2-Chlorotoluene	1 U	1 U	NR	8.3 U	NR	2.1 U	NR
2-Hexanone	2 U	1.8 J	NR	16 U	NR	4.1 U	NR
4-Ethyltoluene	0.98 U	3.6	NR	7.9 U	NR	2	NR
Acetone	12 U	NR	220 D	37 J	NR	NR	500 D
Allyl Chloride (3-Chloropropene)	1.6 U	1.6 U	NR	13 U	NR	3.1 U	NR
Benzene	0.64 U	14	NR	11	NR	1.5	NR
Benzyl Chloride	1 U	1 U	NR	8.3 U	NR	2.1 U	NR
Bromodichloromethane	1.3 U	1.3 U	NR	11 U	NR	2.7 U	NR
Bromoform	2.1 U	2.1 U	NR	17 U	NR	4.1 U	NR
Bromomethane	0.78 U	0.78 U	NR	6.2 U	NR	1.6 U	NR
Butane	0.55 J	84	NR	34	NR	2.6	NR
Carbon Disulfide	1.6 U	36	NR	3.7 J	NR	3.2	NR
Carbon Tetrachloride	0.22 U	0.32	NR	NR	6,400 D	0.35 J	NR
Chlorobenzene	0.92 U	0.31 J	NR	7.4 U	NR	0.48 J	NR
Chlorodifluoromethane	1.6 BJ	1.3 BJ	NR	14 U	NR	0.96 J	NR
Chloroethane	1.3 U	0.67 J	NR	11 U	NR	2.6 U	NR
Chloroform	0.98 U	0.86 J	NR	78	NR	3.2	NR
Chloromethane	1.2	0.91 J	NR	8.3 U	NR	0.71 J	NR
Cis-1,2-Dichloroethylene	0.2 U	0.2 U	NR	1.6 U	NR	0.4 U	NR
Cis-1,3-Dichloropropene	0.91 U	0.91 U	NR	7.3 U	NR	1.8 U	NR
Cyclohexane	0.69 U	22	NR	1.9 J	NR	0.66 J	NR
Cymene	1.1 U	12	NR	6.1 J	NR	16	NR
Dibromochloromethane	1.7 U	1.7 U	NR	14 U	NR	3.4 U	NR
Dichlorodifluoromethane	2.1 J	84	NR	7.4 J	NR	2.2 J	NR
Ethylbenzene	0.87 U	6.5	NR	3.4 J	NR	2.8	NR
Hexachlorobutadiene	2.1 U	2.1 U	NR	17 U	NR	4.3 U	NR
Isopropanol	6.2 J	15	NR	98 U	NR	9.3 J	NR
Isopropylbenzene (Cumene)	0.98 U	3.2	NR	63	NR	0.76 J	NR
M,P-Xylenes	2.2 U	23	NR	6 J	NR	12	NR
Methyl Ethyl Ketone (2-Butanone)	1.5 U	37	NR	12 U	NR	13	NR
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2 U	17	NR	16 U	NR	4.1 U	NR
Methyl Methacrylate	2 U	2 U	NR	16 U	NR	4.1 U	NR
Methylene Chloride	1.1 BJ	2.3 B	NR	7.3 J	NR	3.5	NR
Naphthalene	2.6 U	2.6 U	NR	21 U	NR	5.2 U	NR
N-Butylbenzene	1.1 U	1.4	NR	8.8 U	NR	1.3 J	NR
N-Heptane	0.82 U	23	NR	4.7 J	NR	1.5 J	NR
N-Hexane	0.59 J	31	NR	14	NR	9	NR
N-Propylbenzene	0.98 U	2.9	NR	7.9 U	NR	1.4 J	NR
O-Xylene (1,2-Dimethylbenzene)	0.87 U	12	NR	2 J	NR	4.9	NR
Sec-Butylbenzene	1.1 U	1.1	NR	8.8 U	NR	2.2 U	NR
Styrene	0.85 U	0.85 U	NR	6.8 U	NR	0.61 J	NR
T-Butylbenzene	1.1 U	1.1 U	NR	8.8 U	NR	2.2 U	NR
Tert-Butyl Alcohol	15 U	7.6 J	NR	120 U	NR	9.3 J	NR
Tert-Butyl Methyl Ether	0.72 U	0.72 U	NR	5.8 U	NR	1.4 U	NR
Tetrachloroethylene (PCE)	0.28 J	160	NR	34	NR	32	NR
Tetrahydrofuran	15 U	15 U	NR	120 U	NR	29 U	NR
Toluene	0.75 U	23	NR	11	NR	7.7	NR
Trans-1,2-Dichloroethene	0.79 U	0.79 U	NR	6.3 U	NR	1.6 U	NR
Trans-1,3-Dichloropropene	0.91 U	0.91 U	NR	7.3 U	NR	1.8 U	NR
Trichloroethylene (TCE)	0.39	1.1	NR	1.6	NR	0.4 U	NR
Trichlorofluoromethane	0.43 J	86	NR	120	NR	1.2 J	NR
Vinyl Bromide	0.87 U	0.87 U	NR	7 U	NR	1.7 U	NR
Vinyl Chloride	0.2 U	0.2 U	NR	5.9	NR	0.4 U	NR

Table 15
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Soil Vapor Analytical Results of VOCs

AKRF Sample ID	RI-SV-05_20230801	RI-SV-05_20230801	RI-SV-06_20230802	RI-SV-06_20230802	RI-SV-08_20230801	RI-SV-08_20230801
Laboratory Sample ID	200-69358-3	200-69358-3	200-69389-3	200-69389-3	200-69358-2	200-69358-2
Date Sampled	8/01/2023	8/01/2023	8/02/2023	8/02/2023	8/01/2023	8/01/2023
Unit	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3
Dilution Factor	1	20	5	25	1	8
Compound	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.82 J	NR	2.2 J	NR	6.8	NR
1,1,2,2-Tetrachloroethane	1.4 U	NR	6.9 U	NR	1.4 U	NR
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.57 J	NR	7.7 U	NR	0.47 J	NR
1,1,2-Trichloroethane	1.1 U	NR	5.5 U	NR	1.1 U	NR
1,1-Dichloroethane	0.81 U	NR	4 U	NR	0.81 U	NR
1,1-Dichloroethene	0.2 U	NR	1 U	NR	0.2 U	NR
1,2,4-Trichlorobenzene	3.7 U	NR	19 U	NR	3.7 U	NR
1,2,4-Trimethylbenzene	24	NR	11	NR	18	NR
1,2-Dibromoethane (Ethylene Dibromide)	1.5 U	NR	7.7 U	NR	1.5 U	NR
1,2-Dichlorobenzene	1.2 U	NR	6 U	NR	1.2 U	NR
1,2-Dichloroethane	0.81 U	NR	4 U	NR	0.81 U	NR
1,2-Dichloropropane	0.92 U	NR	4.6 U	NR	0.92 U	NR
1,2-Dichlorotetrafluoroethane	1.4 U	NR	7 U	NR	1.4 U	NR
1,3,5-Trimethylbenzene (Mesitylene)	9.7	NR	2.8 J	NR	8.2	NR
1,3-Butadiene	1.3	NR	2.2 U	NR	0.16 J	NR
1,3-Dichlorobenzene	36	NR	29	NR	13	NR
1,4-Dichlorobenzene	1.2 U	NR	6 U	NR	1.2 U	NR
2,2,4-Trimethylpentane	11	NR	1.1 J	NR	1.1	NR
2-Chlorotoluene	1 U	NR	5.2 U	NR	1 U	NR
2-Hexanone	4.7	NR	10 U	NR	3.5	NR
4-Ethyltoluene	6.7	NR	1.9 J	NR	3.3	NR
Acetone	NR	1,100 D	NR	1,300 D	NR	320 D
Allyl Chloride (3-Chloropropene)	1.6 U	NR	7.8 U	NR	1.6 U	NR
Benzene	8.5	NR	4.2	NR	4.2	NR
Benzyl Chloride	1 U	NR	5.2 U	NR	1 U	NR
Bromodichloromethane	1.3 U	NR	6.7 U	NR	1.3 U	NR
Bromoform	2.1 U	NR	10 U	NR	2.1 U	NR
Bromomethane	0.78 U	NR	3.9 U	NR	0.78 U	NR
Butane	NR	460 D	4.7 J	NR	7.6	NR
Carbon Disulfide	6.7	NR	2.9 J	NR	3.4	NR
Carbon Tetrachloride	0.19 J	NR	1.1 U	NR	0.2 J	NR
Chlorobenzene	0.68 J	NR	4.6 U	NR	0.29 J	NR
Chlorodifluoromethane	1.8 U	NR	8.8 U	NR	0.84 BJ	NR
Chloroethane	0.48 J	NR	6.6 U	NR	1.3 U	NR
Chloroform	32	NR	9.4	NR	0.74 J	NR
Chloromethane	1 U	NR	5.2 U	NR	1 U	NR
Cis-1,2-Dichloroethylene	0.2 U	NR	1 U	NR	0.2 U	NR
Cis-1,3-Dichloropropene	0.91 U	NR	4.5 U	NR	0.91 U	NR
Cyclohexane	11	NR	1.2 J	NR	1	NR
Cymene	18	NR	18	NR	13	NR
Dibromochloromethane	1.7 U	NR	8.5 U	NR	1.7 U	NR
Dichlorodifluoromethane	2.6	NR	3.7 J	NR	NR	840 D
Ethylbenzene	19	NR	2.5 J	NR	10	NR
Hexachlorobutadiene	2.1 U	NR	11 U	NR	2.1 U	NR
Isopropanol	15	NR	61 U	NR	12	NR
Isopropylbenzene (Cumene)	6.8	NR	2.6 J	NR	2.1	NR
M,P-Xylenes	58	NR	9.7 J	NR	42	NR
Methyl Ethyl Ketone (2-Butanone)	28	NR	18	NR	13	NR
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	22	NR	3.8 J	NR	15	NR
Methyl Methacrylate	2 U	NR	10 U	NR	2 U	NR
Methylene Chloride	1.7 U	NR	3.7 J	NR	1.2 BJ	NR
Naphthalene	8.2	NR	13 U	NR	3.7	NR
N-Butylbenzene	2.6	NR	5.5 U	NR	2	NR
N-Heptane	120	NR	3.7 J	NR	5.4	NR
N-Hexane	NR	240 D	6.8 J	NR	3.8	NR
N-Propylbenzene	6.2	NR	1.6 J	NR	3	NR
O-Xylene (1,2-Dimethylbenzene)	30	NR	4.4	NR	16	NR
Sec-Butylbenzene	2.5	NR	5.5 U	NR	1.2	NR
Styrene	0.85 U	NR	4.3 U	NR	1.9	NR
T-Butylbenzene	1.1 U	NR	5.5 U	NR	1.1 U	NR
Tert-Butyl Alcohol	20	NR	76 U	NR	22	NR
Tert-Butyl Methyl Ether	0.72 U	NR	4.5	NR	0.72 U	NR
Tetrachloroethylene (PCE)	NR	330 D	63	NR	100	NR
Tetrahydrofuran	15 U	NR	74 U	NR	15 U	NR
Toluene	43	NR	13	NR	16	NR
Trans-1,2-Dichloroethene	0.79 U	NR	4 U	NR	0.79 U	NR
Trans-1,3-Dichloropropene	0.91 U	NR	4.5 U	NR	0.91 U	NR
Trichloroethylene (TCE)	5.2	NR	1.2	NR	1.4	NR
Trichlorofluoromethane	7.3	NR	42	NR	6.9	NR
Vinyl Bromide	0.87 U	NR	4.4 U	NR	0.87 U	NR
Vinyl Chloride	0.2 U	NR	1 U	NR	0.2 U	NR

Tables 1-15
41 First Street
Brooklyn, NY
Subsurface (Phase II) Investigation
Notes

DEFINITIONS

B : The analyte was found in an associated blank, as well as in the sample.

D : Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.

J : The concentration given is an estimated value.

ND : The standard is a non-detectable concentration by the approved analytical method.

NR : Not reported.

NS : No standard.

P : Indicates a pesticide/aroclor target analyte had a percent difference greater than 25% between the two gc columns. The lower of the two results is reported.

T : Indicates that a quality control parameter has exceeded laboratory limits.

U : The analyte was not detected at the indicated concentration.

mg/kg : milligrams per kilogram

ppb : parts per billion

ppt : parts per trillion

µg/kg : micrograms per kilogram

µg/L : micrograms per liter

ng/L : nanograms per liter

µg/m^3 : micrograms per cubic meter of air

STANDARDS

Part 375 Soil Cleanup Objectives : Soil Cleanup Objectives listed in New York State Department of Environmental Conservation (NYSDEC) "Part 375" Regulations [6 New York Codes, Rules and Regulations (NYCRR) Part 375].

Note: Endosulfans ABS represents the detected sum of Endosulfan I, Endosulfan II, and Endosulfan Sulfate.

Exceedances of Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) are highlighted in bold font.
Exceedances of Part 375 Restricted Residential Soil Cleanup Objectives (RRSCOs) are highlighted in gray shading.
Exceedances of Part 375 Protection of Groundwater Soil Cleanup Objectives (PGWSCOs) are highlighted with an underline.

EPA Hazardous Waste Criteria by TCLP : Protection of Environment. Chapter I - United States Environmental Protection Agency. Subchapter I - Solid Wastes. Part 261 - Identification And Listing Of Hazardous Waste.
Subpart C - Characteristics Of Hazardous Waste. § 261.24 (b)
Table 1—Maximum Concentration of Contaminants for the Toxicity Characteristic.

Exceedances of the EPA Hazardous Waste Criteria are highlighted in bold font.

NYSDEC Part 375 PFAS Guidance Values : New York State Department of Environmental Conservation (NYSDEC) Sampling, Analysis and Assessment Of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs Issued April 2023.

Exceedances of NYSDEC PFAS Unrestricted Use Guidance Values (UUGVs) are highlighted in bold font.
Exceedances of NYSDEC PFAS Restricted Residential Guidance Values (RRGVs) are highlighted in gray shading.
Exceedances of NYSDEC PFAS Protection of Groundwater Guidance Values (PGWGVs) are highlighted with an underline.

NYSDEC Class GA AWQSGVs : New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values (AWQSGVs).

Exceedances of NYSDEC Class GA AWQSGVs are highlighted in bold font.

SOIL BORING LOG

41 First Street, Brooklyn, NY

AKRF Project Number: 230346

Soil Boring ID: **RI-SB-01 / RI-TW-01**

Sheet 1 of 1

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe
Sampling Method:	Direct Push Probe
Driller:	Eastern Environmental
Weather:	70º Clear
Logged By:	Jessica Holm

Drilling

Start Time: 0827 **Finish Time: 0940**

Date: 08/01/23

Depth (feet)	Recovery (Inches)	Surface Condition: Asphalt	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1–5	42	Top 6": ASPHALT Next 26": Brown medium SAND with Silt and Brick, Concrete Bottom 10": BRICK	ND	Dry	ND	NA	RI-SB-01_0-2_20230801 *PFAs collected at 0-2'
6–10	44	Top 12": Reddish-brown medium SAND Next 32": Brown medium/ fine SAND and SILT, some Cobbles	ND	Dry Moist	ND	NA	
11–15	46	Top 16": Reddish-brown SAND with Brick, Cobbles Next 10": Brown medium to fine SAND and Cobbles Next 10": Greyish-brown SAND and Cobbles Bottom 10": Brown medium/ fine SAND	ND	Dry Wet	ND	NA	RI-SB-01_10-12_20230801
16–20		End of boring					

Notes: Soil samples analyzed for TCL Part 375 VOCs, TCL Part 375 SVOCs, PCBs, Pesticides, TAL Metals, Hex Chromium and PFAs (0-2')
End of soil boring at 15 feet below grade.
RI-TW-01 installed to 17' bg with 10' of screen and 7' of solid riser. Groundwater encountered at 11.91'

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

41 First Street, Brooklyn, NY

AKRF Project Number: 230346

Soil Boring ID: **RI-SB-02 / RI-TW-02**

Sheet 1 of 1

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe
Sampling Method:	Direct Push Probe
Driller:	Eastern Environmental
Weather:	70° Clear
Logged By:	Jessica Holm

Drilling

Start Time: 0950 **Finish Time: 1030**

Date: 08/01/23

Depth (feet)	Recovery (Inches)	Surface Condition: Soil	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1 2 3 4 5	14	Brown medium/fine SILT and SAND, with Brick	ND	Dry	ND	NA	RI-SB-02_0-2_20230801
6 7 8 9 10	18	Brown medium/ fine SILT and SAND with Brick	ND	Dry Moist	ND	NA	
11 12 13 14 15	28	Top 14": Brown medium/ fine SILT and SAND with Brick Next 14": Brown medium/ fine SAND with Brick, Cobbles	ND	Dry Moist	ND	NA	RI-SB-02_10-12_20230801
16 17 18 19 20	10	Brown medium/ fine SILT and SAND with Brick	ND	Moist	ND	NA	

Notes: Soil samples analyzed for TCL Part 375 VOCs, TCL Part 375 SVOCs, PCBs, Pesticides, TAL Metals, Hex Chromium.

End of soil boring at 20 feet below grade.
RI-TW-02 installed to 20' bg with 10' of screen and 10' of solid riser. Groundwater encountered at 11.59'

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

41 First Street, Brooklyn, NY

AKRF Project Number: 230346

Soil Boring ID: **RI-SB-03**

Sheet 1 of 1

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe
Sampling Method:	Direct Push Probe
Driller:	Eastern Environmental
Weather:	75º Clear
Logged By:	Jessica Holm

Drilling

Start Time: 0945 **Finish Time: 1015**

Date: 08/02/23

Depth (feet)	Recovery (Inches)	Surface Condition: Grass	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	45	Top 9": Light Brown fine SAND	None	Dry	ND	NA	RI-SB-03_0-2_20230802
2							
3		Bottom 36": Reddish-brown medium/fine SAND, Concrete, Brick, Cobbles					
4							
5							
6	48	Top 30:" Reddish-brown medium/fine SAND, Concrete, Brick, Cobbles	None	Dry	ND	NA	
7							
8							
9		Bottom 18": Reddish-brown to brown fine SAND		Moist			
10							RI-SB-03_9-11_20230802
11	48	Reddish-brown to brown fine SAND	None	Moist	ND	NA	
12							
13				Wet			
14							
15							
16		End of boring					
17							
18							
19							
20							

Notes: Soil samples analyzed for TCL Part 375 VOCs, TCL Part 375 SVOCs, PCBs, Pesticides, TAL Metals, Hex Chromium.

Groundwater was encountered at 11 approximately feet below grade
End of soil boring at 15 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

41 First Street, Brooklyn, NY

AKRF Project Number: 230346

Soil Boring ID: **RI-SB-04**

Sheet 1 of 1

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe
Sampling Method:	Direct Push Probe
Driller:	Eastern Environmental
Weather:	75º Clear
Logged By:	Jessica Holm

Drilling

Start Time: 0840 **Finish Time: 0920**

Date: 08/02/23

Depth (feet)	Recovery (Inches)	Surface Condition: Grass	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1 2 3 4 5	27	Top 9": Light Brown fine SAND, soft Bottom 18": Brown SAND, mostly BRICK, Cobbles	None	Dry	ND	NA	RI-SB-04_2-4_20230802
6 7 8 9 10	34	Top 2": BRICK Next 13": Brown medium/ coarse SAND, Metallic Debris, Concrete, Slag, Ceramic Bottom 19": Brown fine SAND	None	Dry Moist Wet	0.1	NA	RI-SB-04_6-8_20230802
11 12 13 14 15		End of boring					
16 17 18 19 20							

Notes: Soil samples analyzed for TCL Part 375 VOCs, TCL Part 375 SVOCs, PCBs, Pesticides, TAL Metals, Hex Chromium.

Groundwater was encountered at 8 approximately feet below grade
End of soil boring at 10 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

41 First Street, Brooklyn, NY

AKRF Project Number: 230346

Soil Boring ID: **RI-SB-05 / RI-TW-04**

Sheet 1 of 1

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe
Sampling Method:	Direct Push Probe
Driller:	Eastern Environmental
Weather:	70° Clear
Logged By:	Jessica Holm

Drilling

Start Time: 1245 **Finish Time: 1320**

Date: 08/01/23

Depth (feet)	Recovery (Inches)	Surface Condition: Asphalt	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1 2 3 4 5	42	Top 12": ASPHALT Next 10": Light brown SAND, some fine Gravel, Glass Next 6": Black SAND, Slag, Wood Bottom 14": Light brown-black SAND, some Silt, Rubber	None	Dry	ND	NA	RI-SB-05_2-4_20230801
6 7 8 9 10	46	Top 6": Light brown-black SAND, some Silt, Rubber, Clay, Brick Next 4": White GRAVEL Next 17":Black medium SAND/Gravel, Slag Next 5": Black fine SAND, fine Clay Bottom 14" Brown medium/ fine SAND	Petroleum-like	Moist Wet	36.7 15.4 1.8 23.5 4.1 1.5	NA	RI-SB-05_7-9_20230801
11 12 13 14 15	12	Brown SAND and SILT, Brick, Cobbles	None	Wet	0.1 ND	NA	
16 17 18 19 20		End of boring					

Notes: Soil samples analyzed for TCL Part 375 VOCs, TCL Part 375 SVOCs, PCBs, Pesticides, TAL Metals, Hex Chromium.

End of soil boring at 15 feet below grade.
RI-TW-04 installed to 15' bg with 10' of screen and 5' of solid riser. Groundwater encountered at 8.01'

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

41 First Street, Brooklyn, NY

AKRF Project Number: 230346

Soil Boring ID: **RI-SB-06**

Sheet 1 of 1

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe
Sampling Method:	Direct Push Probe
Driller:	Eastern Environmental
Weather:	75º Clear
Logged By:	Jessica Holm

Drilling

Start Time: 0800 **Finish Time: 0840**

Date: 08/02/23

Depth (feet)	Recovery (Inches)	Surface Condition: Grass	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	40	Top 5": Light brown fine SAND, soft Next 35": Brown SAND and SILT, Rock, Metal, Brick, Asphalt	None	Dry	ND	NA	RI-SB-06_2-4_20230802
6	48	Top 15": Brown SAND, Brick, Plastic, Concrete, Fabric Next 7": Red BRICK, Black/ Purple BRICK Next 8": Light Brown/Gray SAND, Rock Bottom 18": Reddish-brown coarse SAND, Cobbles	None Petroleum-like	Dry Moist Wet	ND 11.4 40.9 5 1.1	NA	RI-SB-06_6-8_20230802 *PFAs collected at 6-8'
11		End of boring					
16							

Notes: Soil sample analyzed for TCL Part 375 VOCs, TCL Part 375 VOCs, PCBs, Pesticides, TAL Metals, Hex Chromium and PFAs (6-8').
Groundwater was encountered at 8 approximately feet below grade
End of soil boring at 10 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

41 First Street, Brooklyn, NY

AKRF Project Number: 230346

Soil Boring ID: **RI-SB-07**

Sheet 1 of 1

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe
Sampling Method:	Direct Push Probe
Driller:	Eastern Environmental
Weather:	75º Clear
Logged By:	Jessica Holm

Drilling

Start Time: 1030 **Finish Time: 1115**

Date: 08/02/23

Depth (feet)	Recovery (Inches)	Surface Condition: Asphalt	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1 2 3 4 5	54	Top 2": ASPHALT Next 10": Brown SAND, Brick Next 6": Black SAND/ SILT, Wood, Glass Next 15": Brown medium SAND, Coal Bottom 21": Reddish brown medium SAND, Cobbles	None	Dry	0.3	NA	RI-SB-07_0-2_20230802
6 7 8 9 10	32	Top 6": SLOUGH Next 20": Reddish brown medium SAND, Cobbles, Rock Bottom 6": Grayish-brown medium/fine SAND	None	Moist Wet	ND	NA	RI-SB-07_4-6_20230802 *PFAs collected at 4-6'
11 12 13 14 15		End of boring					
16 17 18 19 20							

Notes: Soil samples analyzed for TCL Part 375 VOCs, TCL Part 375 SVOCs, PCBs, Pesticides, TAL Metals, Hex Chromium, and PFAs (4-6').
Groundwater was encountered at 8 approximately feet below grade
End of soil boring at 10 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

41 First Street, Brooklyn, NY

AKRF Project Number: 230346

Soil Boring ID: **RI-SB-08**

Sheet 1 of 1

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe
Sampling Method:	Direct Push Probe
Driller:	Eastern Environmental
Weather:	70° Clear
Logged By:	Jessica Holm

Drilling

Start Time: 1055 **Finish Time: 1115**

Date: 08/01/23

Depth (feet)	Recovery (Inches)	Surface Condition: Soil	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1 2 3 4 5	38	Brown medium SAND and SILT with Brick, Cobbles, Coal, Metallic Debris	None	Dry	ND	NA	RI-SB-08_0-2_20230801
6 7 8 9 10	48	Top 20": Brown medium SAND Next 10": BRICK Middle 5": ROCK Bottom 23": Light brown/ orange brown fine SAND, Rock	None	Dry	ND	NA	RI-SB-08_4-6_20230801
11 12 13 14 15		End of boring					
16 17 18 19 20							

Notes: Soil samples analyzed for TCL Part 375 VOCs, TCL Part 375 SVOCs, PCBs, Pesticides, TAL Metals, Hex Chromium.

Groundwater not encountered
End of soil boring at 10 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

41 First Street, Brooklyn, NY

AKRF Project Number: 230346

Soil Boring ID: **RI-SB-09**

Sheet 1 of 1

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe
Sampling Method:	Direct Push Probe
Driller:	Eastern Environmental
Weather:	70° Clear
Logged By:	Jessica Holm

Drilling

Start Time: 1200 **Finish Time: 1240**

Date: 08/01/23

Depth (feet)	Recovery (Inches)	Surface Condition: Grass	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	42	Top 4": Brown medium SAND	None	Dry	ND	NA	RI-SB-09_0-2_20230801
2		Next 3": White ROCK					
3		Next 7": Brown medium SAND, Brick					
4							
5		Bottom 28": Light brown medium SAND, Rock, Coal, Brick					RI-SB-09_4-6_20230801
6							
7		End of boring					
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes: Soil samples analyzed for TCL Part 375 VOCs, TCL Part 375 SVOCs, PCBs, Pesticides, TAL Metals, Hex Chromium.

Groundwater not encountered
End of soil boring at 6 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

41 First Street, Brooklyn, NY

AKRF Project Number: 230346

Soil Boring ID: **RI-SB-10**

Sheet 1 of 1

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe
Sampling Method:	Direct Push Probe
Driller:	Eastern Environmental
Weather:	70° Clear
Logged By:	Jessica Holm

Drilling

Start Time: 1030 **Finish Time: 1055**

Date: 08/01/23

Depth (feet)	Recovery (Inches)	Surface Condition: Soil	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	28	Top 15": Brown fine SAND with Cobbles Next 9": Brown fine SAND with Cobbles, Brick, Plastic, Metallic Debris Bottom 4": Brown SAND, small Asphalt-like Material	None	Dry	ND	NA	RI-SB-10_0-2_20230801 RI-SB-10_4-6_20230801
2							
3							
4							
5							
6							
7		End of boring					
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes: Soil samples analyzed for TCL Part 375 VOCs, TCL Part 375 SVOCs, PCBs, Pesticides, TAL Metals, Hex Chromium.
Groundwater not encountered.
End of soil boring at 6 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

SOIL BORING LOG

41 First Street, Brooklyn, NY

AKRF Project Number: 230346

Soil Boring ID: **RI-TW-03**

Sheet 1 of 1

AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016

Drilling Method:	Geoprobe
Sampling Method:	Direct Push Probe
Driller:	Eastern Environmental
Weather:	70° Clear
Logged By:	Jessica Holm

Drilling

Start Time: 1120 **Finish Time: 1200**

Date: 08/01/23

Depth (feet)	Recovery (Inches)	Surface Condition: Soil	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1		RI-TW-03 installed to 15' bg with 10' of screen and 5' of solid riser. Groundwater encountered at 9.78' bg. No soil cores collected.					
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes: No soil samples collected.
Groundwater encountered at 9.78' bg.
End of temporary well point boring at 15 feet below grade.

PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected

Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.

Well Sampling Log

Project Name / Number:	230346	**Client:**	CCPOP	**Well No:**	
Project Location:	41 First St, Brooklyn, NY	**Sampled By:**	Jessica Holm		
Date:	8/1/2023	**Sampling Time:**	1630 on 8/1		**RI-TW-01**
LEL at surface:	N/A		1530 on 8/2		
PID at surface:	0.5				
Total Depth:	17.00 ft. below top of casing	**Water Column (WC):**	5.09 feet		*= 0.041 * WC for 1" wells
Depth to Water:	11.91 ft. below top of casing	**Well Volume*:**	0.21 gallons		*= 0.163 * WC for 2" wells
Depth to Product:	NA ft. below top of casing	**Volume Purged:**	0.75 gallons		*= 0.653 * WC for 4" wells
Depth to top of screen:	7.00 ft. below top of casing	**Well Diam.:**	1 inches		Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	17.00 ft. below top of casing	**Purging Device (pump type):** geopump			
Approx. Pump Intake:	14.00 ft. below top of casing				

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
1515	11.91	-	28.54	0.000	7.32	5.14	244	224	
1615	11.91	-	24.14	0.701	3.47	7.92	48	1000	
1630	12.00	-	23.93	0.686	7.57	8.29	104	498	
8/2/2023									
1526	11.91	-	23.58	0.714	3.24	7.97	70	1000	
1625	12.02	-	25.42	0.791	1.58	7.93	93	112	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Due to slow recharge and high turbidity due to silt in the well, low-flow sampling was unable to be completed. Three well volumes were purged prior to sample collection on 8/1/23.

Groundwater Samples analyzed for VOCS, SVOCs, TAL Metals (Filter/ unfiltered) on 8/1.
Samples analyzed for PCBs, 1,4 Dioxane and Pesticides on 8/2.

Well Sampling Log

Project Name / Number:	230346	**Client:**	CCPOP	**Well No:**	
Project Location:	41 First St, Brooklyn, NY	**Sampled By:**	Jessica Holm		
Date:	8/3/2023	**Sampling Time:**	820		**RI-TW-02**
LEL at surface:	N/A				
PID at surface:	0.2				
Total Depth:	20.00 ft. below top of casing	**Water Column (WC):**	8.41 feet		*= 0.041 * WC for 1" wells
Depth to Water:	11.59 ft. below top of casing	**Well Volume*:**	0.34 gallons		*= 0.163 * WC for 2" wells
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	1.05 gallons		*= 0.653 * WC for 4" wells
Depth to top of screen:	10.00 ft. below top of casing	**Well Diam.:**	1 inches		Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	20.00 ft. below top of casing	**Purging Device (pump type):** geopump			
Approx. Pump Intake:	13.00 ft. below top of casing				

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
737	11.59	-	21.54	0.559	3.47	7.95	166	1000	
915	16.63	-	21.22	0.697	8.74	7.51	53	180	
									Due to slow recharge and high turbidity due to silt in the well, low-flow sampling was unable to be completed. Three well volumes were purged prior to sample collection.

Stabilization Criteria:	+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater Samples analyzed for VOCS, SVOCs, TAL Metals (Filter/ unfiltered), PCBs, Pesticides, 1,4 Dioxane, and PFAs.

Well Sampling Log

Project Name / Number:	230346	**Client:**	CCPOP	**Well No:**	**RI-TW-03**
Project Location:	41 First St, Brooklyn, NY	**Sampled By:**	Jessica Holm		
Date:	8/2/2023	**Sampling Time:**	1105		
LEL at surface:	N/A				
PID at surface:	1.5				
Total Depth:	15.00 ft. below top of casing	**Water Column (WC):**	5.22 feet	*= 0.041 * WC for 1" wells	
Depth to Water:	9.78 ft. below top of casing	**Well Volume*:**	0.21 gallons	*= 0.163 * WC for 2" wells	
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	0.7 gallons	*= 0.653 * WC for 4" wells	
Depth to top of screen:	5.00 ft. below top of casing	**Well Diam.:**	1 inches	Target maximum flow rate is 100 ml/min	
Depth to bottom of screen:	15.00 ft. below top of casing	**Purging Device (pump type):** geopump			
Approx. Pump Intake:	11.50 ft. below top of casing				

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
750	9.78								
900	9.78	-	20.99	0.75	5.560	7.42	129.00	286	
905	-	-	21.08	0.79	6.630	7.63	109.00	455	
923	10.54	-	-	-	-	-	-	-	
930	-	-	21.08	0.800	6.55	7.68	93	1000	Due to slow recharge and high turbidity due to silt in the well, low-flow sampling was unable to be completed. Three well volumes were purged prior to sample collection.
1055	-	-	21.76	0.767	4.09	7.61	90	142	
1515	12.28	-	22.66	0.807	6.11	7.94	172.0	405	

Stabilization Criteria:	+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater Samples analyzed for VOCS,SVOCs, TAL Metals (Filter/ unfiltered), PCBs, Pesticides, 1,4 Dioxane and PFAs.

Well Sampling Log

Project Name / Number:	230346	**Client:**	CCPOP	**Well No:**	
Project Location:	41 First St, Brooklyn, NY	**Sampled By:**	Jessica Holm		
Date:	8/3/2023	**Sampling Time:**	1100		**RI-TW-04**
LEL at surface:	N/A				
PID at surface:	30.6				
Total Depth:	15.00 ft. below top of casing	**Water Column (WC):**	6.99 feet		*= 0.041 * WC for 1" wells
Depth to Water:	8.01 ft. below top of casing	**Well Volume*:**	0.29 gallons		*= 0.163 * WC for 2" wells
Depth to Product:	ND ft. below top of casing	**Volume Purged:**	0.4 gallons		*= 0.653 * WC for 4" wells
Depth to top of screen:	5.00 ft. below top of casing	**Well Diam.:**	1 inches		Target maximum flow rate is 100 ml/min
Depth to bottom of screen:	15.00 ft. below top of casing	**Purging Device (pump type):** geopump			
Approx. Pump Intake:	10.00 ft. below top of casing				

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
930	8.01	No water quality readings - low volume of water and very silty							Due to slow recharge and high turbidity due to silt in the well, low-flow sampling was unable to be completed. Three well volumes were purged prior to sample collection.
955	8.07								
1230	11.41								
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater Samples analyzed for VOCS,SVOCs, TAL Metals (Filter/ unfiltered), PCBs, Pesticides, and PFAs.

Soil Vapor Sample Log

AKRF Project Name/Number:	230346		**Point Installed By:**	Eastern Environmental	
Project Location:	41 First St, Brooklyn, NY		**Installation Method:**	Geoprobe	
Client:	CCPOP		**Sampled By:**	Jessica Holm	
Date:	8/1/2023		**Weather:**	70°F Clear	
Sample Setup					
Vapor Point Depth:	10	Feet	**Total Time of Purge:**	10 min	
Purging Pump:	Gilair Plus (or equal)		**Purge Volume:**	2 L	
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	0.1	ppm
			Helium Concentration:	0	%
Sample Identification					
Soil Vapor Point ID:	RI-SV-01		**SUMMA® Canister ID:**	3733	
Flow Controller ID:	4505		**Soil Vapor Sample ID:**	RI-SV-01_20230801	

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	**1024**	**-30**	**ND**	
Time Stopped:	**1224**	**-3**	**ND**	

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample collected in a 6 Liter-SUMMA® canister using a 2-hour flow controller.

Soil Vapor Sample Log

AKRF Project Name/Number:	230346	**Point Installed By:**	Eastern Environmental
Project Location:	41 First St, Brooklyn, NY	**Installation Method:**	Geoprobe
Client:	CCPOP	**Sampled By:**	Jessica Holm
Date:	8/2/2023	**Weather:**	70°F Clear

Sample Setup

Vapor Point Depth:	8	Feet	**Total Time of Purge:**	10 min	
Purging Pump:	Gilair Plus (or equal)		**Purge Volume:**	2 L	
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	0.0	ppm
			Helium Concentration:	0.0	%

Sample Identification

Soil Vapor Point ID:	RI-SV-03	**SUMMA® Canister ID:**	3317
Flow Controller ID:	3932	**Soil Vapor Sample ID:**	RI-SV-03_20230802

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	**1135**	**-25**	**ND**	
Time Stopped:	**1230**	**-5**	**ND**	

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample collected in a 6 Liter-SUMMA® canister using a 2-hour flow controller.

Soil Vapor Sample Log

AKRF Project Name/Number:	230346		**Point Installed By:**	Eastern Environmental	
Project Location:	41 First St, Brooklyn, NY		**Installation Method:**	Geoprobe	
Client:	CCPOP		**Sampled By:**	Jessica Holm	
Date:	8/2/2023		**Weather:**	70°F Clear	
Sample Setup					
Vapor Point Depth:	5	Feet	**Total Time of Purge:**	10 min	
Purging Pump:	Gilair Plus (or equal)		**Purge Volume:**	2 L	
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	0.2	ppm
			Helium Concentration:	0.0	%
Sample Identification					
Soil Vapor Point ID:	RI-SV-04		**SUMMA® Canister ID:**	3259	
Flow Controller ID:	3741		**Soil Vapor Sample ID:**	RI-SV-03_20230802	

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	**1200**	**-30**	**ND**	
Time Stopped:	**1400**	**-6**	**ND**	

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample collected in a 6 Liter-SUMMA® canister using a 2-hour flow controller.

Soil Vapor Sample Log

AKRF Project Name/Number:	230346	**Point Installed By:**	Eastern Environmental
Project Location:	41 First St, Brooklyn, NY	**Installation Method:**	Geoprobe
Client:	CCPOP	**Sampled By:**	Jessica Holm
Date:	8/1/2023	**Weather:**	70°F Clear

Sample Setup

Vapor Point Depth:	6	Feet	**Total Time of Purge:**	10 min	
Purging Pump:	Gilair Plus (or equal)		**Purge Volume:**	2 L	
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	0.0	ppm
			Helium Concentration:	0.0	%

Sample Identification

Soil Vapor Point ID:	RI-SV-05	**SUMMA® Canister ID:**	34001321
Flow Controller ID:	6228	**Soil Vapor Sample ID:**	RI-SV-05_20230801

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	**1308**	**-30**	**ND**	
Time Stopped:	**1508**	**-7**	**ND**	

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample collected in a 6 Liter-SUMMA® canister using a 2-hour flow controller.

Soil Vapor Sample Log

AKRF Project Name/Number:	230346	**Point Installed By:**	Eastern Environmental
Project Location:	41 First St, Brooklyn, NY	**Installation Method:**	Geoprobe
Client:	CCPOP	**Sampled By:**	Jessica Holm
Date:	8/2/2023	**Weather:**	70°F Clear

Sample Setup

Vapor Point Depth:	5	Feet	**Total Time of Purge:**	10 min	
Purging Pump:	Gilair Plus (or equal)		**Purge Volume:**	2 L	
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	0.9	ppm
			Helium Concentration:	0.0	%

Sample Identification

Soil Vapor Point ID:	RI-SV-06	**SUMMA® Canister ID:**	34000509
Flow Controller ID:	2529	**Soil Vapor Sample ID:**	RI-SV-06_20230802

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	**1258**	**-30**	**ND**	
Time Stopped:	**1458**	**-10**	**ND**	

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample collected in a 6 Liter-SUMMA® canister using a 2-hour flow controller.

Soil Vapor Sample Log

AKRF Project Name/Number:	230346	**Point Installed By:**	Eastern Environmental
Project Location:	41 First St, Brooklyn, NY	**Installation Method:**	Geoprobe
Client:	CCPOP	**Sampled By:**	Jessica Holm
Date:	8/1/2023	**Weather:**	70°F Clear

Sample Setup

Vapor Point Depth:	5	Feet	**Total Time of Purge:**	10 min	
Purging Pump:	Gilair Plus (or equal)		**Purge Volume:**	2 L	
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	0.3	ppm
			Helium Concentration:	0.0	%

Sample Identification

Soil Vapor Point ID:	RI-SV-08	**SUMMA® Canister ID:**	5691
Flow Controller ID:	4734	**Soil Vapor Sample ID:**	RI-SV-08_20230802

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	**1211**	**-27**	**ND**	
Time Stopped:	**1411**	**-5**	**ND**	

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample collected in a 6 Liter-SUMMA® canister using a 2-hour flow controller.

Ambient Air Sample Log

AKRF Project Name / No:	230346	**Client:**	CCPOP
Project Location:	41 First St, Brooklyn NY	**Sampled By:**	Jessica Holm
Date:	8/1/2023	**Weather:**	70ºF Clear

Sample Setup

Sample Identification

On-Site Location:	Bench on Western Portion of Site	**SUMMA® Canister ID:**	5403
Flow Controller ID:	4933	**Ambient Air Sample ID:**	RI-AA-01_20230801

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Potential VOC Sources/Notes
Time Started:	**12:50**	**-30**	**ND**	
Time Stopped:	**14:50**	**-6**	**ND**	

Notes:

ND = non-detect ppm = parts per million L/min = Liters per minute