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REMEDIAL INVESTIGATION REPORT

374 WALLABOUT STREET REDEVELOPMENT
374 WALLABOUT STREET
BROOKLYN, NEW YORK 11211
NYSDEC SITE NO. C224383

PREPARED FOR
JOEL FRIED
694 MYRTLE AVENUE, #184
BROOKLYN, NEW YORK 11206

PREPARED BY
H & A OF NEW YORK ENGINEERING AND GEOLOGY, LLP
NEW YORK, NEW YORK

File No. 0205892
July 2026



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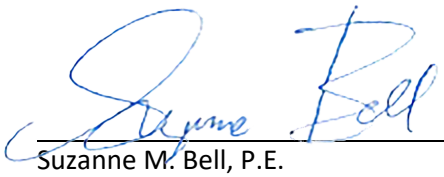


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Certification

This report documents remedial investigation activities conducted at the 374 Wallabout Street Redevelopment Brownfield Site located at 374 Wallabout Street, Brooklyn, New York.

I, Mari Cate Conlon, P.G., certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report[1] was prepared in accordance with all statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan(s) and any DER-approved modifications.



July 29, 2026

Mari Cate Conlon, P.G.
Senior Associate

Date

[1] Certification applies to remedial investigation activities conducted after the execution of the Brownfield Cleanup Agreement dated July 29, 2024.

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List of Acronyms and Abbreviations

A	
Alpha	Alpha Analytical Laboratories, Inc.
AOC	Area of Concern
ASP	Analytical Services Protocol
AWQS	Ambient Water Quality Standards
B	
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
bgs	below grade surface
bsg	below sidewalk grade
BTEX	benzene, toluene, ethylbenzene, and xylenes
btoc	below top of casing
C	
CAMP	Community Air Monitoring Program
cis-1,2-DCE	cis-1,2-dichloroethene
COC	contaminant of concern
CVOC	chlorinated volatile organic compound
D	
DER	Division of Environmental Remediation
DER-10	Division of Environmental Remediation-10 *(specifically "May 2010 NYSDEC Technical Guidance for Site Investigation and Remediation")*
DOT	Department of Transportation
DPK	DPK Consulting LLC
DUSR	Data Usability Summary Report
E	
EC	Engineering Control
ELAP	Environmental Laboratory Approval Program
ESA	Environmental Site Assessment
ESI	Environmental Site Investigation
F	
FSP	Field Sampling Plan
FWRIA	Fish and Wildlife Resource Impact Analysis
G	
GPR	ground-penetrating radar
GPRS	ground-penetrating radar survey
GV	Guidance Value

List of Acronyms and Abbreviations (continued)

H	
Haley & Aldrich of New York	H & A of New York Engineering and Geology, LLP
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
I	
IC	Institutional Control
in.	inches
L	
L/min	liters per minute
M	
MDL	method detection limit
MHz	mega-Hertz
MS	matrix spike
MSD	matrix spike duplicate
N	
NTU	nephelometric turbidity unit
NYCOER	New York City Office of Environmental Remediation
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
O	
OSHA	Occupational Safety and Health Administration
P	
Pace	Pace Analytical Services, LLC
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
PCE	perchloroethylene/tetrachloroethene
PFAS	per- and polyfluoroalkyl substances
PFOA	perfluorooctanoic acid
PFOS	perfluorooctanesulfonic acid
PGWSCO	Protection of Groundwater Soil Cleanup Objective
PID	photoionization detector
ppb	parts per billion
PPE	personal protective equipment
ppm	parts per million
ppt	parts per thousand
PQL	practical quantitation limit
PVC	polyvinyl chloride

List of Acronyms and Abbreviations (continued)

Q	
QA/QC	quality assurance/quality control
QAPP	Quality Assurance Project Plan
QHHEA	Qualitative Human Health Exposure Assessment
R	
RAWP	Remedial Action Work Plan
REC	Recognized Environmental Condition
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
RRSCO	Restricted-Residential Soil Cleanup Objective
S	
SCO	Soil Cleanup Objective
Site	the property located at 374 Wallabout Street
SMP	Site Management Plan
SVOC	semi-volatile organic compound
T	
TAL	Total Analyte List
TCE	trichloroethene
TCL	Target Compound List
TOGS 1.1.1	Technical and Operational Guidance Series 1.1.1 *(Specifically "June 1998 NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values, Class GA for the protection of a source of drinking water modified per the April 2000 addendum")*
U	
µg/m^3	micrograms per cubic meter
USEPA	United States Environmental Protection Agency
UUSCO	Unrestricted Use Soil Cleanup Objective
V	
VCP	Voluntary Cleanup Program
VOC	volatile organic compound
Volunteer	Joel Fried

1. Introduction

This Remedial Investigation Report (RIR) was developed by H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) on behalf of Joel Fried (the "Volunteer") for the proposed development of the property located at 374 Wallabout Street, Brooklyn, New York (the "Site"). The Volunteer applied to and was accepted into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) as a Volunteer. A Brownfield Cleanup Agreement (BCA) was executed by the NYSDEC and Joel Fried on July 29, 2024 (BCP Site No. C224383).

The Site, identified as Block 2266 Lot 13 on the New York City tax map, is approximately 2,500-square feet (sq ft) and is bound to the north by Wallabout Street followed by an industrial-use garage and multi-story residential building, to the east by a multi-story residential building and community facility, to the south by a multi-story residential building and community facility, and to the west by a multi-story residential building.

The Site is located within a residential zoning district (R7A) in an urban area characterized by multi-story residential and commercial buildings. The Volunteer plans to redevelop the Site for residential purposes, which is consistent with current zoning. The Site is located in an Environmental "En-Zone" identified as Census Tract 507. A Project Locus showing the Site location is provided as Figure 1 and a Site Plan showing the property boundaries and adjacent properties is provided as Figure 2.

The activities of this Remedial Investigation (RI) were conducted from February 5 through 14, 2025 in accordance with the Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10) and the NYSDEC-approved July 2024 Remedial Investigation Work Plan (RIWP).

1.1 PURPOSE AND OBJECTIVES

Previous subsurface investigations conducted at the Site identified the presence of urban fill with elevated concentrations of semi-volatile organic compounds (SVOCs); specifically, polycyclic aromatic hydrocarbons [PAHs]) and metals in soil, and chlorinated volatile organic compounds (CVOCs) in groundwater and soil vapor. A summary of the soil, groundwater, and soil vapor analytical data collected previously is discussed herein and is included in the RIWP.

The Remedial Investigation (RI) activities described in this report were designed to further delineate the extent of contamination on the Site through additional investigation and sampling. A Sample Location Map is provided as Figure 3. The results of this RI will be used to confirm the results of the previous Site characterization activities, delineate any on-Site source(s), and determine a course for Remedial Action (RA).

2. Site Background

2.1 SITE LOCATION AND DESCRIPTION

The Site, identified as Block 2266, Lot 13 on the New York City tax map, is approximately 2,500 sq ft in size. The Site is located in a mixed-use commercial and residential area and is bounded to the north by Wallabout Street followed by an industrial-use garage and multi-story residential building, to the east by a multi-story residential building and community facility, to the south by a multi-story residential building and community facility, and to the west by a multi-story residential building. The Site is improved with a vacant three-story structure including a cellar, with a rear yard.

The Site is located within a residential zoning district (R7A). The Site is located in an urban area surrounded by commercial and residential properties served by municipal water. The Volunteer plans to redevelop the Site for residential purposes, which is consistent with current zoning. The Site is located in an Environmental "En-Zone" identified as Census Tract 507.

A Project Locus showing the Site location is provided as Figure 1 and a Site Plan showing the property boundaries and adjacent properties is provided as Figure 2.

2.2 GEOLOGY AND HYDROGEOLOGY

Based on field observations, the Site is underlain by a layer of urban fill material generally consisting of brown fine sand with varying amounts of silt, clay, brick, gravel, asphalt, ceramic pieces, organic matter and wood observed from the surface down to approximately 7.5 to 10 feet (ft) below sidewalk grade (bsg). The fill interval was observed to be underlain by a potential native layer consisting of gray to orange/brown medium to coarse sand with varying amounts of silt and rounded gravel extending down to the terminus depth of each boring, approximately 15 to 16 ft bsg. The uppermost geologic formation underlying the soils at the Site is the Upper Cretaceous Magothy Formation. Bedrock was not encountered during this RI; however, depth to bedrock in this region of Brooklyn is estimated to be about 150 to 200 ft bsg.

Groundwater was encountered at depths ranging from approximately 8.31 to 10.20 ft bsg during this RI. Based on Site groundwater elevation measurements, groundwater beneath the Site generally flows from southwest to the northeast portion of the Site with depth to water measurements ranging from elevation (El.) 3.05 at MW-01 to El. 3.93 at MW-04 (North American Vertical Datum of 1988 [NAVD88]). Due to the linear orientation and limited lateral extent of the Site boundaries, the ability to precisely define groundwater flow direction beneath the Site is limited. Therefore, groundwater elevation data and hydrogeologic interpretations from adjacent properties located north of the Site, including 291 Wallabout Street and 297 Wallabout Street, were also considered in the evaluation. Groundwater flow directions interpreted at these nearby sites vary, indicating localized variability in groundwater flow conditions within the surrounding area. A groundwater contour map is provided in Figure 4.

2.3 SITE HISTORY

The Site was developed in the late 1880s with two residential structures: a three-story building on the northern region of the property and a two-story building on the southern region of the property. By the mid-1940s, the two-story dwelling was razed. The three-story residential structure on the northern portion of the property remains unchanged and is present on the Site today.

2.4 REDEVELOPMENT PLANS

The proposed redevelopment plan consists of the construction of a new four-story residential building with a full cellar (15 ft bsg) that spans the footprint of the proposed building. Based on the approved New York City Department of Buildings (NYCDOB) architectural plans, the building footprint will span approximately 70% of the parcel with the remaining 30% of the parcel to be used as a rear yard. The second floor contains a dining area and a family room, and the third/fourth floor contains bedrooms, a laundry room, closets and bathrooms. A bulkhead will extend above the roof level to 68 ft above ground level (amsl). The proposed development plans are included in Appendix A.

3. Summary of Previous Investigations

To date the following environmental reports have been completed for the Site:

- August 2022 Phase I Environmental Site Assessment (ESA), prepared by Haley & Aldrich of New York; and
- August 2022 Limited Phase II Environmental Site Investigation (ESI) , prepared by Haley & Aldrich of New York.

Previous reports are included in Appendix B. A summary of the environmental findings is provided below.

August 2022 Phase I ESA, prepared by Haley & Aldrich of New York

Haley & Aldrich of New York prepared a Phase I ESA for the Site for the purpose of identifying Recognized Environmental Condition (RECs) in connection with the Site.

The Phase I identified the following REC at the Site:

The property located adjacently south of the Site shown in Figure 5, known as Pfizer Sites B & D, was formerly subject to investigation and remediation within the Voluntary Cleanup Program (VCP)[2]. The primary contaminants of concern at Pfizer Sites B & D included CVOCs in soil, groundwater, and soil vapor. During an April 2021 groundwater monitoring event conducted as part of Site Management for Pfizer Sites B & D, CVOCs were detected above regulatory criteria in samples collected from wells on Gerry Street (south and upgradient to the Site) and Wallabout Street (north and downgradient to the Site). Although the Pfizer Sites B & D have been remediated under the NYSDEC oversight, have implemented engineering controls (ECs), and are being monitored under a Site Management Plan (SMP) to address the residual contamination, the physical proximity of the Pfizer Sites B & D to the Site, and the fact they are located hydraulically upgradient to the Site, impacted soil vapor and/or groundwater may have migrated and be present at the Site. Based on this possibility, the former VCP Site (Pfizer Sites B & D) was identified as a REC.

August 2022 Limited Phase II Environmental Site Investigation, prepared by Haley & Aldrich of New York

Haley & Aldrich of New York completed a limited sampling event at the Site to investigate soil, groundwater, and soil vapor quality at the Site.

Urban fill generally consisting of brown to gray, coarse to medium sand with silt and varying amounts of asphalt, brick, and plastic was observed from surface grade to approximately 6 ft bsg in each soil boring. The urban fill layer was underlain by a potential native layer consisting of light brown to orange-brown coarse to medium sand with varying amounts of silt, gravel and clay. Soil cores were collected

[2] The VCP was a NYSDEC initiative that allowed property owners to voluntarily investigate and remediate contaminated sites under agency oversight. It was replaced by the BCP in 2003.

continuously, characterized, and screened for visual and olfactory evidence of contamination such as staining and odors. Instrumental screening for the presence of organic vapors was performed using a photoionization detector (PID). Petroleum-like odors and staining were observed in three soil borings: B-1 and B-2 between 7-8 ft bsg; and B-4 between 5-8 ft bsg. PID readings of non-detect at 0.0 parts per million (ppm) to 0.1 ppm were recorded in Site-wide soils. During the investigation, groundwater was encountered at a depth of approximately 11.15 ft bsg at TW-1 and 12.10 ft bsg at TW-2.

Field observations and analytical results identified urban fill contaminated with heavy metals and SVOCs (specifically PAHs) at concentrations consistent with characteristics of urban fill found throughout the New York City area. SVOCs and total metals exceeding Restricted-Residential Use Soil Cleanup Objectives (RRSCOs) were observed widely distributed throughout the Site in urban fill at the surface to depths of about 6 ft bsg. Additionally, CVOC contamination was identified in groundwater in the southern/eastern region of Site, specifically, cis-1,2-dichloroethene (cis-1,2-DCE) and vinyl chloride at concentrations exceeding Ambient Water Quality Standards (AWQS). CVOCs are also present at the Site in soil and soil vapor located above the groundwater table. Tetrachloroethene (PCE) and 1,1,1-trichloroethane were identified in sub-slab soil vapor, with PCE detected above the Air Guidance Value (AGV) in the northern region of the Site. Cis-1,2-DCE was detected above the laboratory detection limit in soil between 4 to 8 ft bsg in the southern region of the Site. The presence of CVOC contamination at the Site likely migrated from an off-Site source, specifically, the property located adjacently south of the Site, known as Pfizer Sites B & D, which was formerly subject to investigation and remediation within the VCP. The primary contaminants of concern at the Pfizer Sites B & D site included CVOCs in soil, groundwater, and soil vapor.

Haley & Aldrich of New York concluded that further delineation may be required to determine the extent of CVOCs in soil, groundwater, and soil vapor, as well as hazardous lead in soils in the north-central region of the Site.

4. Remedial Investigation Approach

4.1 PROJECT TEAM

A project team for the Site was created based on the qualifications and experience with personnel suited for the successful completion of the project.

The NYSDEC Case Manager/Project Manager was Sadique Ahmed. The Case Manager/Project Manager was responsible for overseeing the successful completion of the project work and adherence to the approved RIWP on behalf of NYSDEC.

The New York State Department of Health (NYSDOH) Case Manager/Project Manager was Megan Rivera. The Case Manager/Project Manager was responsible for overseeing the successful completion of the project work and adherence to the work plan on behalf of NYSDOH.

Mari Cate Conlon was the Qualified Environmental Professional and Principal-in-Charge for this work. In this role, Ms. Conlon was responsible for the overall completion of each task as per the requirements outlined in this work plan and in accordance with the DER-10 guidance.

Elizabeth Fitzgerald was the Haley & Aldrich of New York Project Manager for this work. In this role, Ms. Fitzgerald managed the day-to-day tasks, including coordination and supervision of field engineers and scientists, adherence to the work plan, and oversight of the project schedule. As the Project Manager, Ms. Fitzgerald was responsible for communications with the NYSDEC Case Manager regarding project status, schedule, issues, and updates for project work.

Nicholas Manzione was the field engineer responsible for implementing the field effort for this work. Mr. Manzione's responsibilities included implementing the workplan activities and directing the subcontractors to ensure successful completion of field activities.

The drilling subcontractor utilized for this investigation was Lakewood Environmental Services Corp. (Lakewood). Lakewood provided Geoprobe® operators to implement the approved RIWP scope of work.

Samples were collected in laboratory-prepared sample bottles (pre-preserved when appropriate), placed in ice-packed coolers maintained at approximately 4 degrees Celsius under standard chain of custody procedures, and transported to Pace Analytical Services, LLC/Alpha Analytical Laboratories, Inc. (Pace/Alpha) of Westborough, Massachusetts (Certification No. 07010T). Pace/Alpha were responsible for analyzing the samples as per the analyses and methods identified in the approved RIWP.

4.2 GROUND-PENETRATING RADAR SURVEY

Haley & Aldrich of New York oversaw a ground-penetrating radar (GPR) survey performed at the Site by Nova Geophysical Services (Nova) on February 5, 2025. The survey was conducted to identify the presence of any utilities, underground storage tanks (USTs), or any other anomalies that may be present in the subsurface, as well as to clear soil boring locations. Accessible areas of the Site were scanned

using a 400-megaHertz (MHz) cart-mounted GPR system, a high-range precision utility detector, and an electromagnetic pipe and cable locator. Soil conditions allowed for a maximum GPR penetration depth of 3 ft bgs in most areas. Metallic anomalies/USTs were not detected throughout accessible areas of the Site. Several utilities were marked on the Site in designated colors. Full results of the GPR survey are provided in Appendix C.

4.3 SOIL BORING INSTALLATION AND SOIL SAMPLING

Additional soil samples were collected to meet NYSDEC DER-10 requirements for remedial investigations, as well as to further characterize soil conditions at the Site.

Six soil borings were advanced throughout the Site to a maximum depth of 16 ft bsg, using a Geoprobe® model 420M drill rig operated by a licensed operator provided by Lakewood, the drilling subcontractor.

Three borings (SB-01, SB-02, and SB-06) were advanced in the cellar, where the floor slab was approximately 6 ft bsg. Urban fill was observed immediately below the cellar slab down to approximately 1.5 to 3 ft bgs (or 7.5 to 9 ft bsg) and groundwater was encountered approximately 3 to 4 ft bgs (or 9 to 10 ft bsg) in the boring installed in the cellar. The remaining three boings (SB-03, SB-04 and SB05) were advanced in the rear yard of the Site, where the slab was at sidewalk grade. Urban fill was observed immediately below the slab down to approximately 9 to 10 ft bsg in the borings installed in the rear yard.

Samples were collected from the urban fill layer and the underlying layer of potentially native material. Specifically, samples were collected from intervals including shallow urban fill encountered below the existing slab/surface (0 to 5 ft bgs), at the bottom of the urban fill layer which typically corresponded with the two-foot interval above the groundwater interface (ranged between 7 and 12 ft bsg) and the proposed development depth (13 to 15 ft bsg). Sample-specific depths are provided in the NYSDEC-approved RIWP and in Table 1.

Soil samples were collected from acetate liners using a stainless-steel trowel. Samples were collected using laboratory-provided clean bottle ware. Volatile organic compound (VOC) grab samples were collected using terra cores. Sampling locations are displayed in Figure 3.

Soils were logged continuously by the field engineer using the Modified Burmister Soil Classification System. The presence of staining, odors, and PID response was noted. Soil boring logs are provided as Appendix D. Sampling methods are described in the RIWP provided as Appendix B. A Quality Assurance Project Plan (QAPP) is provided as an attachment to the NYSDEC-approved RIWP included in Appendix B.

Haley & Aldrich of New York collected 24 soil samples (plus quality assurance/quality control [QA/QC] samples) for laboratory analysis. Soil samples were collected in laboratory-supplied containers, which were relinquished under standard chain of custody protocol and delivered via courier to Pace/Alpha for analysis.

Pace/Alpha is a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory. As detailed in Table 1, soil samples were analyzed for the following:

- Target Compound List (TCL) VOCs using the USEPA Method 8260B;
- TCL SVOCs using USEPA Method 8270C;
- Total Analyte List (TAL) Metals using USEPA Method 6010;
- Polychlorinated biphenyls (PCBs) using USEPA Method 8082;
- TCL Pesticides using USEPA Method 8081B;
- Total Cyanide using USEPA Method 9010C/9012B;
- Hexavalent Chromium using USEPA Method 7196A;
- Mercury using USEPA Method 7471;
- 1,4-dioxane by USEPA Method 8270-SIM; and,
- Per- and polyfluoroalkyl substances (PFAS) using USEPA Method 1633.

Samples to be analyzed for PFAS and 1,4-dioxane will be collected and analyzed in accordance with the "NYSDEC Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs" dated April 2023 and the June 2019 Sampling for "1,4-dioxane and PFAS Under DECs Part 375 Remedial Programs," respectively.

Table 1 provides a summary of all RI samples collected and analyzed, including sample IDs/locations, and sample depths, QA/QC samples, and analyses performed. A Sample Location Map is provided as Figure 3.

4.4 PERMANENT MONITORING WELL INSTALLATION AND GROUNDWATER SAMPLING

The purpose of groundwater sampling was to obtain current groundwater data and analyze for additional parameters (i.e., PFAS and 1,4-dioxane) to meet NYSDEC DER-10 requirements for RIs.

Four permanent monitoring wells, MW-01 through MW-04, were installed to assess groundwater conditions at the Site. MW-01 and MW-02 were installed in the cellar at depths of 9.0 and 8.5 ft bgs (or 15 and 14.5 ft bsg), respectively. MW-03 and MW-04 were installed in the rear yard at a depth of 20 ft bsg (or 20 ft bgs). Groundwater was encountered at approximately 4 ft below the cellar slab (approximately 10 ft bsg). As such, MW-01 and MW-02, were constructed with 5 ft of slotted PVC screen extending across the water table, and 3.5 to 4 ft of PVC riser. In the rear yard, groundwater was encountered at approximately 8.5 ft bsg, therefore, MW-03 and MW-04 were constructed with 10 ft of slotted PVC screen extending across the water table and 10 ft of PVC riser.

The four monitoring wells were screened across the groundwater interface backfilled with #0 certified clean sand, sealed with bentonite, and completed at grade with steel flush-mount covers.

Following installation, monitoring wells were developed by surging a pump in each well several times to pull fine-grained material from the well. Development was completed once turbidity was 50 nephelometric turbidity units (NTUs) or less, or 10 well volumes were purged.

During a monitoring well gauging event conducted concurrently with the well survey on February 14, 2025, groundwater was encountered at depths ranging from approximately 8.31 to 10.20 ft bsg, consistent with gauging results recorded at the time of installation. Well construction diagrams are provided in Appendix E.

Haley & Aldrich of New York collected four groundwater samples from the four installed wells (MW01 , MW02, MW03 and MW04). A total of five samples (including one duplicate sample for QA/QC) were sent to the laboratory for the following analysis:

- TCL VOCs using USEPA Method 8260B;
- TCL SVOCs using USEPA Method 8270C;
- Total Metals using USEPA Methods 6010/7471;
- Dissolved Metals using USEPA Methods 6020/7471;
- TCL Pesticides using USEPA Method 8081B;
- PCBs using USEPA Method 8082;
- Hexavalent Chromium using USEPA Method 7196A
- 1,4-dioxane by USEPA Method 8270E-SIM; and,
- PFAS by USEPA Method 1633.

Groundwater samples analyzed for PFAS and 1,4-dioxane were collected and analyzed in accordance with the NYSDEC-issued November 2022 “Guidelines for Sampling and Analysis of PFAS” and the November 2022 Sampling for “1,4-dioxane and PFAS Under DECs Part 375 Remedial Programs,” respectively.

Table 1 provides a summary of all RI samples collected and analyzed, including sample IDs/locations, and sample depths, QA/QC samples, and analyses performed. A Sample Location Map is provided as Figure 3.

Groundwater monitoring wells were sampled utilizing low-flow sampling procedures for groundwater sampling. Prior to sampling, the water level was measured from each monitoring well using an electronic water level meter. Groundwater from each well was purged using low pumping rates (less than 500 milliliters per minute) to limit drawdown of the water level. Dedicated disposable field equipment used at each well included high-density polyethylene and silicon tubing. Wells were purged until turbidity, pH, temperature, dissolved oxygen, and specific conductivity stabilized. Field measurements collected from the flow cell were logged and are included in Appendix F.

DPK Consulting LLC (DPK), a New York State-licensed surveyor, completed a monitoring well survey on February 14, 2025. A survey map summarizing the monitoring well survey data collected by the licensed surveyor is provided as Appendix G. A groundwater contour map is provided in Figure 4, and a summary of the synoptic monitoring well gauging results is provided in Table 2.

4.5 SOIL VAPOR PROBE INSTALLATION AND SOIL VAPOR SAMPLING

Soil vapor samples were collected in accordance with the "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (NYSDOH, 2006). Five soil vapor probes were installed in the 2-ft interval above the groundwater surface (between 7 and 8 ft bsg). Soil vapor implants were installed with a Geoprobe® drill rig to advance a stainless-steel probe to the desired sample depth.

To ensure the stainless-steel soil vapor probe was sealed completely to the surface using bentonite, a tracer gas was used in accordance with NYSDOH protocols to serve as a QA/QC device to verify the integrity of the soil vapor probe seal. In addition, one to three implant volumes were purged prior to the collection of the soil vapor samples. Sampling occurred for the duration of two hours. At the conclusion of the sampling round, tracer monitoring was performed a second time to confirm the continued integrity of the probe seals.

Samples were collected in appropriately sized Summa canisters that were certified clean by the laboratory. Samples were analyzed for VOCs using USEPA Method TO-15. The flow rate for both purging and sampling did not exceed 0.2 liters per minute (L/min). Additional details regarding the sampling methods are described in the Field Sampling Plan (FSP) provided in the NYSDEC-approved RIWP. Soil vapor sampling logs are provided in Appendix H.

Table 1 provides a summary of all RI samples collected and analyzed, including sample IDs/locations, and sample depths, QA/QC samples, and analyses performed. A Sample Location Map is provided as Figure 3.

4.6 DEVIATIONS FROM THE RIWP

The RI was performed in substantial conformance with the RIWP approved by NYSDEC in January 2025.

4.7 QUALITY ASSURANCE/QUALITY CONTROL

The RI was conducted in accordance with Haley & Aldrich of New York's QAPP, provided as an Appendix in the RIWP. Haley & Aldrich of New York's sampling program included several types of QA/QC samples and measures to ensure the usability of the data. QA/QC samples included equipment rinsate/field blanks, trip blanks, sample duplicates, and matrix spike/matrix spike duplicates (MS/MSDs).

When applicable, the sample result summary tables list the laboratory method detection limit (MDL) at which a compound was non-detectable. The laboratory results were reported to the sample-specific practical quantitation limit (PQL), equal to the sample-specific MDL, supported by the instrument calibrations.

The reliability of laboratory data is supported by compliance with sample holding times and laboratory MDLs below cleanup criteria. The accuracy and precision of the laboratory analytical methods were maintained by using calibration and calibration verification procedures, laboratory control samples, and surrogate, matrix, and analytical spikes. A review of the laboratory data packages indicates that holding times were met and no significant non-conformance issues were reported. Category B laboratory reports are provided in Appendix I. Data will be validated as detailed in Section 6.4 and summarized in

Data Usability Summary Reports (DUSRs) which will be included in the final report submission as Appendix J.

4.8 FIELD EQUIPMENT DECONTAMINATION

Downhole drilling equipment was decontaminated between each boring by washing with an Alconox-based solution. Decontamination wastewater was contained in a wash pan and containerized in 55-gallon drums for disposal. Handheld sampling equipment was decontaminated by hand in an Alconox-based solution and triple-rinsed with deionized water. Decontamination liquids were temporarily contained in 5-gallon buckets and then added to labeled drums at the end of each workday.

4.9 INVESTIGATION-DERIVED WASTE

Following sample collection, boreholes that were not converted to monitoring wells were backfilled with soil cuttings and an upper bentonite plug. Boreholes were restored to grade with the surrounding area. Groundwater purged from the monitoring wells during development and sample collection was placed into temporary storage containers pending off-Site disposal. Less than 55-gallons of purge water were produced during the investigation. The container was properly labeled and temporarily staged on-Site in a manner that prevented leakage, deterioration, and release of waste. On March 4, 2025, one 55-gallon drum of purge water was transferred to Clean Water NY located at 3249 Richmond Terrace in Staten Island, New York for disposal. Drum disposal documentation provided in Appendix K.

4.10 REPORTING

During the implementation of the NYSDEC-approved RIWP, daily reports were provided to the NYSDEC. Daily field reports included a summary of sampling and field activities, investigation progress updates, and photographs of field work. The daily reports are included in Appendix L.

5. Health and Safety

The work outlined above was completed under a Site-specific Health and Safety Plan (HASP) in accordance with Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response (HAZWOPER) regulations. Work was completed in Modified Level D personal protective equipment (PPE). A copy of the HASP is included in Appendix B of the NYSDEC-approved RIWP.

The RI activities were conducted in accordance with a Site-specific Community Air Monitoring Plan (CAMP). CAMP data was provided to NYSDEC in the daily reports included in Appendix L.

6. Contaminants of Concern and Nature and Extent of Contamination

6.1 APPLICABLE STANDARDS

Soil analytical results were compared to NYSDEC's Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted-Residential Soil Cleanup Objectives (RRSCOs) set forth in 6 New York Codes, Rules, and Regulations (NYCRR) Part 375. When compounds were identified in groundwater above applicable standards, described below, soil analytical results were also compared to Protection of Groundwater Soil Cleanup Objectives (PGWSCOs). Refer to Section 6.5 for applicable soil results compared to PGWSCOs. Note that no standards for PFAS in soil currently exist in New York State; however, NYSDEC published soil guidance values (GVs) for perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) in October 2020 (latest revision April 2023). PFOA and PFOS soil sample results are compared to the unrestricted use and restricted residential use and protection of groundwater GVs outlined in the April 2023 PFAS Guidance.

Groundwater analytical results were compared to 6 NYCRR Part 703.5 NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 AWQS and GVs for Class GA Water. Emerging contaminants PFOA and PFOS were compared to the GVs for PFOA and PFOS outlined in the NYSDEC April 2023 PFAS Guidance. Emerging contaminant 1,4-dioxane was compared to the GV as set by NYSDEC in March 2023.

No standard currently exists for soil vapor samples in New York State.

6.2 FIELD OBSERVATIONS

Based on field observations, the Site is underlain by a layer of urban fill material generally consisting of brown fine sand with varying amounts of silt, clay, brick, gravel, asphalt, ceramic pieces, organic matter, and wood observed from the surface down to approximately 7.5 to 10 ft bsg. The fill interval was observed to be underlain by a potential native layer consisting of gray to orange/brown medium to coarse sand with varying amounts of silt and rounded gravel extending down to the terminus depth of each boring, approximately 15 to 16 ft bsg. The uppermost geologic formation underlying the soils at the Site is the Upper Cretaceous Magothy Formation. Bedrock was not encountered during this RI; however, depth to bedrock in this region of Brooklyn is estimated to be about 150 to 200 ft bsg.

Groundwater was encountered at depths ranging from 8.31 to 10.20 ft bsg during this RI, and groundwater beneath the Site generally flows from southwest to the northeast portion of the Site with depth to water measurements ranging from elevation (El.) 3.05 at MW-01 to El. 3.93 at MW-04 (NAVD88). A groundwater contour map is provided in Figure 4.

6.3 SOIL SAMPLING RESULTS

Table 3 summarizes the analytical results from the soil sampling event. Figure 5 shows the soil boring locations, as well as a summary of soil data that exceeded the applicable standards during the RI sampling event. Soil boring logs are provided in Appendix D.

6.3.1 Volatile Organic Compounds

One VOC, acetone, was detected above UUSCOs in three soil samples, SB-05_0-2 at a concentration of 0.13 parts per million (ppm), SB-05_10-12 at a concentration of 0.036 ppm, and SB-02_6-8 at a concentration of 0.064 ppm. No other VOCs were detected above UUSCOs or RRSCOs in soil samples analyzed.

6.3.2 Semi-Volatile Organic Compounds

Six SVOCs, specifically PAHs, were detected at concentrations above the UUSCOs and/or RRSCOs, in one soil sample, SB-05_0-2, collected from 0 to 2 ft bsg, specifically: benzo(a)anthracene at a concentration of 1.2 ppm; benzo(a)pyrene at a concentration of 1.1 ppm; benzo(b)fluoranthene at a concentration of 1.3 ppm; benzo(g,h,i)perylene at a concentration of 0.65 ppm; chrysene at a concentration of 1.1 ppm; and, indeno(1,2,3-cd)pyrene at a concentration of 0.66 ppm.

One SVOC, identified as phenanthrene, in soil sample SB-04_0-2 was detected at a concentration of 1.5 ppm.

No other SVOCs were detected above UUSCOs or RRSCOs in soil samples analyzed.

6.3.3 Pesticides

Three pesticides were detected at concentrations above the UUSCOs in one or more samples collected from the rear yard from depths between 0 and 15 ft bsg, specifically: 4,4'-DDD in one soil sample at a concentration of 0.00402 ppm in SB-05_10-12; 4,4'-DDE in five soil samples (maximum concentration of 0.0485 ppm in SB-03_3-5); and, 4,4'-DDT in five soil samples (maximum concentration of 0.108 ppm in SB-03_3-5).

No other pesticides were detected above UUSCOs or RRSCOs in soil samples analyzed.

6.3.4 Metals

Six metals were detected above the UUSCOs and/or RRSCOs in one or more soil samples collected. Lead exceeded all three standards in four soil samples, and exceeded the UUSCO in six other soil samples (maximum concentration of 656 ppm in SB-03_0-2); mercury exceeded the RRSCO in nine soil samples (maximum concentration of 3.06 ppm in SB-04_0-2); copper exceeded the UUSCO in three soil samples (maximum concentration of 79.8 ppm in SB-05_0-2); zinc exceeded the UUSCO in six soil samples (maximum concentration of 366 ppm in SB-03_3-5); chromium exceeded the UUSCO in one soil sample at a concentration of 32 ppm in SB-05_0-2; and hexavalent chromium exceeded the RRSCO in one soil sample at a concentration of 1.09 ppm in SB-04_3-5.

Cyanide exceeded UUSCO standard in soil sample SB-04_3-5 at a concentration of 11 milligrams per kilograms (mg/kg).

No other metals were detected above UUSCOs or RRSCOs in soil samples analyzed.

6.3.5 Polychlorinated Biphenyls

No PCBs were detected above UUSCOs or RRSCOs in soil samples analyzed.

6.3.6 Emerging Contaminants

The compound 1,4-dioxane was not detected above laboratory detection limits in soil samples analyzed.

PFOA was detected above the GV for unrestricted use and/or the GV protection of groundwater in two soil samples collected from soil boring SB-04, located in the rear yard of the property. The maximum concentration of PFOA was detected in SB-04_3-5 at a concentration of 1.87 parts per billion (ppb), exceeding the GV of 0.8 ppb for protection of groundwater and the GV of 0.66 ppb for unrestricted use. PFOS was not detected above the GVs in soil samples analyzed.

Total PFOS and PFOA ranged from non-detect to a maximum [estimated] concentration of 2.304 ppb in SB-04_3-5.

6.4 GROUNDWATER SAMPLING RESULTS

Table 4 summarizes the analytical results from the groundwater sampling event. Figure 6 provides groundwater monitoring well locations as well as a summary of the groundwater data from the sampling event. Figure 7 provides a summary of the emerging contaminants detected in groundwater data from the sampling event. Groundwater sampling logs are provided in Appendix F.

6.4.1 Volatile Organic Compounds

Three VOCs were detected above the AWQS in groundwater samples collected in the rear yard. One petroleum-related VOC, benzene, exceeded the AWQS in one well, MW-04, at a concentration of 1.2 ppb; and two CVOCs, cis-1,2-DCE and vinyl chloride, exceeded the AWQS in both wells in the rear yard, MW-03 and MW-04. The highest CVOC concentrations were detected in MW-04: cis-1,2-DCE at a maximum concentration of 200 ppb; and vinyl chloride at a maximum concentration of 48 ppb.

No other VOCs were detected above the AWQS in the groundwater samples analyzed.

6.4.2 Semi-Volatile Organic Compounds

No SVOCs were detected above the AWQS in the groundwater samples analyzed.

6.4.3 Organochlorine Pesticides

One pesticide, dieldrin, was detected above the AWQS in one groundwater sample collected from the cellar, MW-01, at an estimated concentration of 0.06 ppb. No other pesticides were detected above the AWQS in the groundwater samples analyzed.

6.4.4 Polychlorinated Biphenyls

No PCBs were detected above the AWQS in the groundwater samples analyzed.

6.4.5 Total Metals and Cyanide

Total concentrations of four metals exceeded the AWQS in one or more of the wells sampled: iron in three groundwater samples (maximum total concentration of 4,100 ppb in MW-04); manganese in three groundwater samples (maximum total concentration of 844.8 ppb in MW-04); selenium in both groundwater samples collected from MW-01 (maximum total concentration of 34.3 ppb in MW-01 duplicate DUP-01_20250214); and sodium in all five groundwater samples (maximum total concentration of 78,000 ppb in MW-03).

Cyanide was detected above the AWQS in one groundwater sample collected from the cellar, MW-01 duplicate DUP-01_20250214, at a concentration of 239 ppb.

No other total metals were detected above the AWQS in the groundwater samples analyzed.

6.4.6 Dissolved Metals

Dissolved concentrations of four metals exceeded the AWQS in one or more groundwater samples analyzed: iron in two groundwater samples (maximum dissolved concentration of 1,900 ppb in MW-04); manganese in three groundwater samples (maximum dissolved concentration of 887.2 ppb in MW-04); selenium in two groundwater samples (maximum concentration of 30.3 ppb in MW-01 duplicate DUP-01_20250214); and sodium in all five groundwater samples (maximum dissolved concentration of 70,800 ppb in MW-03).

No other dissolved metals were detected above the AWQS in the groundwater samples analyzed.

6.4.7 Emerging Contaminants

Concentrations of 1,4-dioxane were compared to the GV of 0.35 ppb issued on March 15, 2023 by the NYSDEC. Emerging contaminants, PFOA/PFOS compounds in groundwater, are compared to the NYSDEC March 2023 guidance value of 6.7 parts per trillion (ppt) and 2.7 ppt, respectively. Figure 7 provides a summary of emerging contaminants in groundwater.

The compound 1,4-dioxane was detected above the GV in two groundwater samples, at a maximum concentration of 0.867 ppb MW-04.

PFOS was detected above the GV of 2.7 ppt in each of the four groundwater wells sampled, including one duplicate, at a maximum concentration of 66.5 ppt in the duplicate collected from MW-01, DUP-01_20250214. PFOA was detected above the GV of 6.7 ppt in each of the four groundwater wells sampled, including one duplicate, at a maximum concentration of 102 ppt in the duplicate collected from MW-01, DUP-01_20250214.

Figure 7 provides a summary of emerging contaminant data in groundwater.

6.5 PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES COMPARISON

As discussed in Section 6.4, groundwater samples collected during the RI identified several compounds at concentrations exceeding AWQS, including benzene, cis-1,2-DCE, vinyl chloride, dieldrin, iron, manganese, selenium, sodium, cyanide, 1,4-dioxane, and PFOA/PFOS. These compounds were subsequently evaluated in soil and compared to the PGWSCOs.

Soil analytical results did not indicate exceedances of the PGWSCOs for any of these compounds, with the exception of PFOA, which exceeded the PGWSCO in one soil sample, SB-04_3-5, at a maximum concentration of 1.87 ppb. All other compounds from the targeted list were below their respective PGWSCOs in soil samples analyzed.

6.6 SOIL VAPOR SAMPLING RESULTS

Table 5 provides a summary of the analytical results from the soil vapor sampling event. Figures 8 and 9 provide the soil vapor sampling locations, as well as a summary of all soil vapor data that was considered in the findings of this report. The soil vapor purge log is provided in Appendix H and includes details on each soil vapor sample collected.

Total VOC concentrations in soil vapor samples ranged from 30.08 micrograms per cubic meter (µg/m^3) in sample SV-02 to 1,467.35 µg/m^3 in sample SV-03. Total BTEX concentrations ranged from 6.01 µg/m^3 in sample SV-02 to 1,439.48 µg/m^3 in sample SV-03. Total CVOC concentrations in soil vapor samples ranged from 2.17 µg/m^3 in sample SV-05 to 9.63 µg/m^3 in sample SV-01.

One CVOC, PCE was detected in all five soil vapor samples at a maximum concentration of 9.63 µg/m^3 in SV-01.

In addition, the following compounds were detected in all five soil vapor samples collected, each with maximum concentrations detected in SV-05: acetone (maximum concentration of 95 µg/m^3), dichlorodifluoromethane (CFC-12) (maximum concentration of 2.55 µg/m^3), and isopropyl alcohol (2-propanol) (maximum concentration of 12.5 µg/m^3).

6.7 DATA VALIDATION

DUSRs are created to confirm the compliance of methods with the protocols described in the NYSDEC Analytical Services Protocol (ASP). DUSRs will be included in the final submittal of this report as Appendix J.

6.8 DATA USE

Validated analytical data, supplied in ASP Category B Data Packages in Appendix J, will be submitted to the NYSDEC EQuIS database in an Electronic Data Deliverable package prior to the final submission of this report. Correspondence from the submittal will be included in the final submittal of this report.

6.9 SIGNIFICANT THREAT

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

7. Conceptual Site Model

7.1 AREAS OF CONCERN

The following areas of concern (AOCs) were identified at the Site:

7.1.1 AOC 1 – Contaminated Fill in Subsurface Soils

Subsurface soils at the Site are impacted with elevated concentrations of metals, particularly lead and mercury, with the highest concentrations in the rear yard. SVOCs (specifically PAHs) as well as pesticides were detected at elevated concentrations in the rear yard only. PFAS, specifically PFOA, was detected in shallow soils to 5 ft bsg at one location on the east side of the rear yard only. Additionally, one VOC, acetone, was observed at a concentration exceeding regulatory criteria in one sample collected near the western Site boundary. These findings are consistent with characteristics of contaminated fill found throughout the New York City area. Contaminated fill material varies in depth throughout the Site, generally extending from surface grade down to about 7.5 to 10 ft bsg.

7.1.2 AOC 2 – Metal and Pesticide Impacts to Groundwater

Metals were detected above the AWQS in each of the four groundwater wells sampled, with the highest concentrations identified in the southern region, specifically in wells MW-03 and MW-04. Cyanide and dieldrin were each detected above the AWQS in the northern region of the Site: cyanide in MW-02 and dieldrin in MW-01. The elevated presence of metals, including cyanide, and one pesticide, dieldrin, in groundwater is consistent with regional groundwater quality throughout this region of Brooklyn and/or may be attributed to entrained sediment in the groundwater samples collected.

7.1.3 AOC 3 – CVOC and Benzene Impacts to Groundwater in Southern Region

One petroleum-related VOC, benzene, was identified above the AWQS in one well in the southern region of the Site, MW-04, and CVOCs, specifically cis-1,2-DCE and vinyl chloride, were identified above the AWQS in both wells in the southern region of the Site, with the highest concentrations observed in MW-04. Groundwater contamination in the southern region of the Site likely resulted from a migrating off-Site source; specifically, the property located south and hydraulically upgradient of the Site, known as Pfizer Sites B & D, which was formerly subject to investigation and remediation within the VCP (NYSDEC Site Code V00350). Historical groundwater sampling events at the Pfizer Sites B & D Sites reported groundwater contamination throughout that property, including concentrations of CVOCs and benzene above the AWQS across multiple sampling events from the late 1990s through the mid-2010s.

Given the lack of on-Site historical operations indicative of this contamination, and the lack of these compounds identified in soils above the PGWSCOs, the CVOC and benzene contamination in groundwater in the southern region of the Site likely migrated from an off-Site source, a conclusion supported by various facts, including the historical groundwater contamination identified at the

adjacent and hydraulically upgradient Pfizer Sites B & D, the residual contamination at the Pfizer Sites B & D, and the known cis-1,2-DCE groundwater plume in the area.

7.1.4 AOC 4 – Emerging Contaminants in Groundwater

PFOA and PFOS were detected above their respective NYSDEC March 2023 GVs in each of the four groundwater wells sampled across the Site, with the greatest impacts identified in the northeast region, particularly at MW-01. Additionally, 1,4-dioxane was detected above the NYSDEC March 2023 GV in two of the four groundwater wells, specifically the two wells in the southern region of the Site. In soil, PFOA concentrations exceeded the UUSCOs in two samples collected from different depths within the urban fill layer at SB-04. No on-site source of PFAS was identified.

7.1.5 AOC 5 – Soil Vapor Impacts

VOCs, including petroleum-related VOCs (benzene, toluene, ethylbenzene, and xylenes [BTEX]) and CVOCs, are present in the vapor phase at the Site and are likely the result of contaminated soil vapor migrating from an off-Site source; specifically, the property located adjacently south to the Site, known as Pfizer Sites B & D, which was formerly subject to investigation and remediation under NYSDEC oversight. The primary contaminants of concern at Pfizer Sites B & D included CVOCs in soil, groundwater, and soil vapor.

Given the lack of on-Site historical operations indicative of this contamination, and the lack of these compounds identified in soils above the PGWSCOs, the presence of CVOCs in soil vapor at the Site is likely attributable to off-site migration, a conclusion supported by various facts, including the detection of PCE in all five Site soil vapor samples and elevated CVOCs (including cis-1,2-DCE and vinyl chloride) in Site groundwater, which are known degradation products of PCE. Additionally, historical and recent data from Pfizer Sites B & D such as CVOC detections in off-site monitoring wells during the April 2021 sampling event, and the known cis-1,2-DCE groundwater plume in the area further support off-Site vapor intrusion as a source. The Pfizer Sites B & D have been remediated under NYSDEC oversight, have implemented ECs, and are being monitored under a SMP to address the residual contamination.

7.2 POTENTIAL ON-SITE AND OFF-SITE SOURCES

Contamination at the Site originates from both on-site historical activities and off-site migration of contaminants from adjacent properties and, likely, the know cis-1,2,-DCE groundwater plume in the area.

Elevated concentrations of metals, SVOCs, and pesticides are present throughout the contaminated fill layer, which extends from surface grade down to about 7.5 to 10 ft bsg. These contaminants are characteristic of historical fill material commonly found throughout the New York City area.

Metals including iron, manganese, sodium, magnesium, and selenium are typical of groundwater quality in the New York City Region. One pesticide, dieldrin, was detected in exceedance of the AWQS in MW01. The metals and pesticide identified in groundwater are likely indicative of the historical urban fill quality (i.e., entrained sediment from historical fill in groundwater samples) identified throughout the Site.

Analytical results indicate groundwater contaminated with elevated concentrations of CVOCs, specifically cis-1,2-DCE and vinyl chloride (CVOCs produced as PCE degrades over time), and a petroleum-related VOC, benzene, in the southern region of the Site. PCE was not identified in groundwater samples in excess of NYSDEC AWQS values, however PCE was identified at detectable concentrations in each of the six soil vapor samples collected at the Site. The property located adjacently south to the Site, known as Pfizer Sites B & D, was historically investigated and remediated to address the elevated levels of VOCs, including CVOCs and benzene, in site media. CVOCs and a petroleum-related VOC, benzene, identified in groundwater and soil vapor at the Site may be due to migration from an off-Site source, which is supported by the known cis-1,2,-DCE groundwater plume in the area, the lack of on-Site historical operations indicative of this contamination, and the lack of these compounds identified in soils above the PGWSCOs. A site plan showing nearby sites identified as possible contamination sources is provided as Figure 10.

Analytical results also identified the presence of emerging contaminants such as PFOA, PFOS, and 1,4-dioxane in groundwater. These compounds were detected above NYSDEC March 2023 GVs across the Site, with the highest concentrations in the northeast and southern portions. Although PFOA was detected above the unrestricted use GV and protection of groundwater GV in urban fill soils at SB-04, no on-Site source has been identified, and this is likely a reflection of regional impacts.

8. Human Health and Environmental Risk Evaluation

8.1 HUMAN HEALTH RISK EVALUATION

A qualitative human health exposure assessment (QHHEA) consists of characterizing the exposure setting (including the physical environment and potentially exposed human populations), identifying exposure pathways, and evaluating chemical fate and transport. An exposure pathway describes the means by which an individual may be exposed to contaminants originating from a site. An exposure pathway has the following five elements:

1. Receptor population;
2. Contaminant source;
3. Contaminant release and transport mechanism;
4. Point of exposure; and
5. Route of exposure.

An exposure pathway is complete when all five elements of an exposure pathway are documented; a potential exposure pathway exists when any one or more of the five elements comprising an exposure pathway is not documented but could reasonably occur. An exposure pathway may be eliminated from further evaluation when any one of the five elements comprising an exposure pathway does not exist in the present and will not exist in the future.

8.1.1 Receptor Population

The receptor population includes the people who are or may be exposed to contaminants at a point of exposure. The identification of potential human receptors is based on the characteristics of the Site, the surrounding land uses, and the probable future land uses. The Site is currently vacant; therefore, receptors would only include construction/maintenance workers that may be employed to perform work on the property, and exposure routes would include direct contact activities and/or inhalation of soil vapor during ground-intrusive activities (i.e., construction of the building's foundation and sub-grade cellar).

Site development plans will consist of the development of a four-story residential building encompassing approximately 70% of the Site footprint with a one-level cellar, which is consistent/compatible with surrounding property use and zoning. Exposed receptors under the future use scenario may comprise residents of the future building and construction workers who may be employed at or perform work on the property. Site visitors may also be considered receptors; however, their exposure would be at a lesser frequency and duration compared to future residents. In addition, residents or employees in off-Site adjoining buildings have the potential to be exposed to vapors.

8.1.2 Contaminant Sources

The source of contamination is defined as either the source of contaminant release to the environment (such as a waste disposal area or point of discharge) or the impacted environmental medium (soil, air, and/or water) at the point of exposure. Sections 6.0 and 7.0 discuss the COCs present in the Site media at elevated concentrations. In general, Site COCs include: one VOC (acetone), metals, SVOCs (specifically PAHs), pesticides and PFOA in soil; VOCs (specifically CVOCs and petroleum-related VOC, benzene), metals, one pesticide (dieldrin), PFOA/PFOS, 1,4-dioxane and cyanide in groundwater; and petroleum-related VOCs and CVOCs in soil vapor.

8.1.3 Contaminant Release and Transport Mechanism

Contaminant release and transport mechanisms carry contaminants from the source to points where people may be exposed and are specific to the type of contaminant and Site use. For CVOCs and petroleum-related VOCs present in groundwater and soil vapor, the potential exists for exposure through pathways associated with soil vapor intrusion. This would include the indoor vapor intrusion pathway (also referred to as “soil vapor intrusion”).

8.1.4 Exposure Points

The point of exposure is a location where actual or potential human contact with a contaminated medium may occur. Based on the exceedances of RRSCOs for metals and SVOCs and exceedances of UUSCOs for pesticides, one VOC (acetone) and one PFOA in soil; the exceedance of AWQS for metals, one pesticide (dieldrin), VOCs (petroleum-related VOC [benzene] and CVOCs), cyanide, 1,4-dioxane, and PFOA/PFOS in groundwater; and petroleum-related VOCs and CVOCs above laboratory detection limits in soil vapor, the point of exposure is defined as the entire Site.

Concerning the indoor air pathway, under the current and future use scenario, soil vapor intrusion is a relevant transport mechanism. Soil vapor intrusion would entail soil vapor migrating from under the building slab and potentially impacting the indoor air above the slab. Concerning skin contact, inhalation, and incidental ingestion of volatile organics present in soil and groundwater, the potential exists for exposure to VOCs for construction workers involved in subsurface activities where volatiles are present at elevated concentrations.

8.1.5 Exposure Routes

The route of exposure is the manner in which a contaminant actually enters or contacts the body (e.g., ingestion, inhalation, and dermal absorption). Based on the types of receptors and points of exposure identified above, potential routes of exposure are listed below:

Current Use Scenario: The Site is currently vacant and covered with a concrete slab across the Site. Exposure to contaminated surface soil in other areas of the Site (i.e., areas covered with a concrete slab and/or contaminated groundwater) are possible only during subsurface investigations and other activities that breach the concrete slab. Release and transport mechanisms include contaminated

surface soil transported as dust, contaminated groundwater flow, and volatilization of contaminants from soil and/or groundwater into the vapor phase:

- Occupant/Employee/Visitor – skin contact, inhalation, and incidental ingestion
- Construction/Utility Worker – skin contact, inhalation, and incidental ingestion

Construction/Remediation Scenario: As part of the implementation of the remedial action, the existing ECs for the Site (concrete slab) will be removed. In the absence of ECs, there will be continued exposure pathways during construction/remediation specifically related to surface soil. Construction/remedial activities include excavation and off-Site disposal of soil. Release and transport mechanisms include disturbed and exposed soil during excavation, contaminated soil transported as dust, inhalation of dust from contaminated soil, and volatilization of contaminants from soil and/or groundwater into the vapor phase.

- Construction/Utility Worker – skin contact, inhalation, and incidental ingestion

Future Use Scenario: The anticipated future use of the Site includes a four-story residential building will a one-level full cellar. The remedial approach will include excavation of contaminated soil and the installation of a composite cover system, which may serve as an EC. Should residual contamination remain post implementation of the implementation of the remedial action, the composite cover would mitigate an exposure route. However, future routes of exposure may be due to cracks in the foundation or emergency repairs to the foundation walls or slab. People at risk of exposure, via the indicated exposure routes, are noted below:

- Construction/Utility Worker (during composite cover disturbance) – skin contact, inhalation, and incidental ingestion.
- Occupant/Employee/Visitor – inhalation.
- Public Adjacent to Site – inhalation.

Contaminant release and transport mechanisms carry contaminants from the source to points where people may be exposed and are specific to the type of contaminant and Site use. For CVOCs and petroleum-related VOCs present in groundwater and soil vapor, the potential exists for exposure through pathways associated with soil vapor intrusion. This would include the indoor vapor intrusion pathway (also referred to as “soil vapor intrusion”).

8.1.6 Exposure Assessment

Based on the above assessment, the potential exposure pathways for the current and future use conditions are listed below.

Current Use Scenario: Site contamination includes one VOC (acetone), metals, SVOCs (specifically PAHs), pesticides and one PFOA in soil; VOCs (specifically CVOCs and petroleum-related VOC, benzene), metals, one pesticide (dieldrin), PFOA/PFOS, 1,4-dioxane and cyanide in groundwater; and petroleum-related VOCs and CVOCs in soil vapor. Under current conditions, the likelihood of exposure to soil or groundwater is limited, as the Site is secured and affixed with a perimeter fence secured with a lock. Site access is only granted to personnel associated with the planned development. Potable water for Kings

County will continue to be sourced from reservoirs in the Catskill and Delaware watersheds. All intrusive work on the Site is done in accordance with a Site-Specific HASP), CAMP, and donning of appropriate personal protective equipment (PPE).

Construction/Remediation Scenario: The exposure element exists for all elements during this phase. The overall risk will be minimized by the implementation of a Site-Specific Construction Health and Safety Plan (CHASP), localized monitoring of organic vapors, community air monitoring on the Site perimeter for particulates and VOCs, vapor and dust suppression techniques, installation of a stabilized entrance, cleaning truck tires and undercarriages, and donning of appropriate PPE. Additionally, the Site will be remediated pursuant to a NYSDEC-approved Remedial Action Work Plan (RAWP) that will include a Soil Materials Management Plan (SMMP) that will highlight measures for PPE, covering of stockpiles, housekeeping, suppression techniques (particulates and vapor), and measures to prevent off-Site migration of contaminants. In addition, the Site will be secured and inaccessible to the public during remedial construction.

Future Use Scenario: Under the proposed future condition (after construction/remediation), residual contaminants may remain on-Site depending on the remedy achieved. The residual contaminants would include those listed in the current conditions. If contaminants remain on-Site after construction/remediation, the route of exposure will be mitigated by proper installation of ECs including, but not limited to, Site composite cover system (foundation and foundation elements), potentially in-situ treatment, soil vapor mitigation systems, vapor barriers, implementation of Institutional Controls (ICs) and adherence to a SMP.

8.2 FISH AND WILDLIFE IMPACT ANALYSIS

NYSDEC DER-10 requires an on-Site and off-Site Fish and Wildlife Resource Impact Analysis (FWRIA) if certain criteria are met. The Site was developed in the late 1880's with two residential structures: a three-story building on the northern region of the property; and a two-story building on the southern region of the property. By the mid-1940s, the two-story dwelling was razed. The three-story dwelling on the northern portion of the property remains unchanged and is present on the Site today. The Site is located in the Williamsburg neighborhood of Brooklyn, New York. The Site provides little or no wildlife habitat or food value and/or access to the detected subsurface contamination. No natural waterways are present on or adjacent to the Site. The proposed future use of the Site is for residential purposes. As such, no unacceptable ecological risks are expected under the current and future use scenarios.

9. Conclusions and Recommendations

9.1 CONCLUSIONS

Based on the results of Site investigations, the following conclusions have been identified:

- In general, contaminants of concern for the Site include metals, PAHs and pesticides in historical urban fill, and CVOCs and petroleum-related VOCs in groundwater and soil vapor. Emerging contaminants, PFOA/PFOS and 1,4-dioxane, were also detected in groundwater and soil throughout the Site, however an on-Site source was not identified.
- The origin of the CVOC and petroleum-related VOC, benzene, contamination is likely attributable to migration from an off-Site source; specifically, the adjacent and hydraulically upgradient property to the south, known as Pfizer Sites B & D, which was previously investigated and remediated under the NYSDEC oversight (VCP Site Code V00350). Historical groundwater sampling events at the Pfizer Sites B & D Sites reported contamination throughout the property, including concentrations of CVOCs and benzene above the AWQS. Further, there is a known cis-1,2-DCE groundwater plume in the area with potential to impact conditions on the Site.
- The contamination identified in groundwater – metals, including cyanide; emerging contaminants, PFOA, PFOS and 1,4-dioxane; and pesticide, dieldrin – are consistent with regional groundwater quality throughout this region of Brooklyn and/or may be attributed to entrained sediment in the groundwater samples collected. No on-Site source of PFAS was identified.
- The Site-wide impacts to historical urban fill encountered up to 10 ft bsg are consistent with characteristics of urban fill found throughout the New York City region. Impacted urban fill will be excavated and removed as part of the remedial action.

9.2 RECOMMENDATIONS

Based on the results of the RI, remedial action will be necessary to proceed with the anticipated redevelopment plan.

To address the AOCs, Haley & Aldrich of New York is evaluating utilization of a combination of remedial techniques. Applicable strategies and technologies may include, but are not limited to, source removal, in-situ treatment, and installation of ECs and/or ICs, which will be detailed in a RAWP.

10. References

1. Brownfield Cleanup Program Application, 2022. 374 Wallabout Street, Brooklyn, New York. Prepared Haley & Aldrich of New York on behalf of Joel Fried for submission to the New York State Department of Environmental Conservation. September.

2. Limited Phase II Environmental Site Investigation Report, 2022. 374 Wallabout Street, Brooklyn, New York. Prepared by Haley & Aldrich of New York. August.

3. New York State Department of Environmental Conservation, 2006. Part 375 of Title 6 of the New York Compilation of Codes, Rules, and Regulations, Effective December 14.

4. New York State Department of Environmental Conservation, 2022. Sampling for 1,4-dioxane and Per- and Polyfluoroalkyl Substances (PFAS) under NYSDECs Part 375 Remedial Programs. November.

5. New York State Department of Environmental Conservation, 2023. Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) under NYSDECs Part 375 Remedial Programs. April.

6. New York State Department of Environmental Conservation, Division of Environmental Remediation, 2023. Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs. April.

7. New York State Department of Health, 2006. Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October.

8. New York State Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) dated June 1998.

9. Phase I Environmental Site Assessment, 2022. 374 Wallabout Street, Brooklyn, New York. Prepared by Haley & Aldrich of New York. August.

10. Program Policy DER-10, "Technical Guidance for Site Investigation and Remediation," New York State Department of Environmental Conservation. May 2010.

11. Remedial Investigation Work Plan Report, 2024. 374 Wallabout Street, Brooklyn, New York. Prepared by Haley & Aldrich of New York. December.

12. United States Environmental Protection Agency, 2017. "Low Flow Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells," EQASOP-GW 001. September 19.

TABLES

TABLE 1
SAMPLING AND ANALYSIS SUMMARY
374 WALLABOUT STREET
BROOKLYN, NEW YORK
FILE NO. 0205892

Sample Location	Sample Depth (feet below grade surface)	Sample ID	Date Sampled	Target Compound List VOCs (8260B)	Target Compound List SVOCs (8270C)	Total Analyte List Metals (6010)	PCBs (8082)	Pesticides (8081B)	Mercury (7471/7470A)	Total Cyanide (9010C/9012B)	Hexavalent Chromium (7196A)	PFAS (1633)	1,4-Dioxane (8270 SIM)	VOCs (TO-15)
SOIL														
SB-01	0-2'	SB-01_6-8	2/6/2025	X	X	X	X	X	X	X	X	X		
	2-4'	SB-01_8-10	2/6/2025	X	X	X	X	X	X	X	X	X		
	7-9	SB-01_13-15	2/6/2025	X	X	X	X	X	X	X	X	X		
SB-02	0-2'	SB-02_6-8	2/6/2025	X	X	X	X	X	X	X	X	X		
	2-4'	SB-02_8-10	2/6/2025	X	X	X	X	X	X	X	X	X		
	7-9	SB-02_13-15	2/6/2025	X	X	X	X	X	X	X	X	X		
SB-03	0-2'	SB-03_0-2	2/5/2025	X	X	X	X	X	X	X	X	X		
	3-5'	SB-03_3-5	2/5/2025	X	X	X	X	X	X	X	X	X		
	7-9'	SB-03_7-9	2/5/2025	X	X	X	X	X	X	X	X	X		
	10-12'	SB-03_10-12	2/5/2025	X	X	X	X	X	X	X	X	X		
	13-15'	SB-03_13-15	2/5/2025	X	X	X	X	X	X	X	X	X		
SB-04	0-2'	SB-04_0-2	2/5/2025	X	X	X	X	X	X	X	X	X		
	3-5'	SB-04_3-5	2/5/2025	X	X	X	X	X	X	X	X	X		
	7-9'	SB-04_7-9	2/5/2025	X	X	X	X	X	X	X	X	X		
	10-12'	SB-04_10-12	2/5/2025	X	X	X	X	X	X	X	X	X		
	13-15'	SB-04_13-15	2/5/2025	X	X	X	X	X	X	X	X	X		
SB-05	0-2'	SB-05_0-2	2/5/2025	X	X	X	X	X	X	X	X	X		
	3-5'	SB-05_3-5	2/5/2025	X	X	X	X	X	X	X	X	X		
	7-9'	SB-05_7-9	2/5/2025	X	X	X	X	X	X	X	X	X		
	10-12'	SB-05_10-12	2/5/2025	X	X	X	X	X	X	X	X	X		
	13-15'	SB-05_13-15	2/5/2025	X	X	X	X	X	X	X	X	X		
SB-06	0-1'	SB-06_6-7	2/6/2025	X	X	X	X	X	X	X	X	X		
	1-2'	SB-06_7-9	2/6/2025	X	X	X	X	X	X	X	X	X		
	7-9'	SB-06_13-15	2/6/2025	X	X	X	X	X	X	X	X	X		
GROUNDWATER														
MW-01	groundwater interface	MW-01	2/14/2025	X	X	X	X	X	X	X	X	X	X	
MW-02		MW-02	2/14/2025	X	X	X	X	X	X	X	X	X	X	
MW-03		MW-03	2/14/2025	X	X	X	X	X	X	X	X	X	X	
MW-04		MW-04	2/14/2025	X	X	X	X	X	X	X	X	X	X	
SOIL VAPOR														
SV-01	7-8'	SV-01	2/6/2025											X
SV-02		SV-02	2/7/2025											X
SV-03		SV-03	2/6/2025											X
SV-04		SV-04	2/7/2025											X
SV-05		SV-05	2/7/2025											X
QA/QC SAMPLES														
SB-03_10-12	-	DUP-01_20250205	2/5/2025	X	X	X	X	X	X	X	X	X	X	
SB-04_10-12	-	DUP-02_20250207	2/7/2025	X	X	X	X	X	X	X	X	X	X	
MW-01	-	DUP-01_20250214	2/14/2025	X	X	X	X	X	X	X	X	X	X	
SB-01_6-8	-	MS/MSD soil	2/6/2025	X	X	X	X	X	X	X	X	X		
SB-06_6-7	-	MS/MSD soil	2/6/2025	X	X	X	X	X	X	X	X	X		
MW-03	-	MS/MSD gw	2/14/2025	X	X	X	X	X	X	X	X	X		
FB_20250206	-	Field Blank_20250206	2/6/2025	X	X	X	X	X	X	X	X	X		
FB_20250214	-	FB-01_20250214	2/14/2025	X	X	X	X	X	X	X	X	X		

Notes:

Sample Locations: SB01, SB-02, SB-05, MW-01, MW-02, SV-01 and SV-05, were in cellar of the building. The cellar slab is 6 feet (ft) below existing sidewalk grade (bsg).

VOCs - Volatile Organic Compounds

SVOCs - Semi-volatile Organic Compounds

PCBs - Polychlorinated biphenyls

PFAS - Per- and Polyfluoroalkyl Substances

QA/QC samples include:

MS/MSD - 1 for every 20 samples

Trip Blanks - 1 per cooler of samples to be analyzed for VOCs

Field Blanks - 1 for every 20 samples

Duplicates - 1 for every 20 samples

TABLE 2
SYNOPTIC MONITORING WELL GAUGING RESULTS
374 WALLABOUT STREET
BROOKLYN, NEW YORK
FILE NO. 0205892

Synoptic Water Level Measurement Log

PROJECT	374 Wallabout Street Redevelopment
LOCATION	374 Wallabout Street, Brooklyn, New York, 11211
CLIENT	Joel Fried
H&A FILE NO.	205892
PROJECT MANAGER	Elizabeth Fitzgerald
FIELD REP.	OH/DF
GAUGING DATE	2/14/2025
WEATHER	Clear, 20-40 °F, Wind NE @ 12 mph RH: 69%

MONITORING WELL ID	TIME	DEPTH TO WATER (FEET BELOW TOC)	TOP OF CASING ELEVATION (NAVD88)	GROUNDWATER ELEVATION (NAVD88)
MW-01	8:42	4.2	7.06	2.86
MW-02	10:42	3.79	7.48	3.69
MW-03	13:40	8.36	12.13	3.77
MW-04	14:46	8.31	12.09	3.78

Comments:

1. MW-01 and MW-02 were installed in the cellar of the on-SIte building; the cellar slab is 6 feet (ft) below existing sidewalk grade (bsg). MW-03 and MW-04 were installed in the rear yard of the Site; the rear yard slab is 0 ft bsg.

2. Monitoring wells MW-01 through MW-04 were surveyed by DPK Consulting LLC (DPK), on 14 February 2025.

3. Wells were gauged on 14 February 2025.

4. Elevation refers to the North American Vertical Datum of 1988 (NAVD88).

5. All dimensions are in US survey feet.

6. TOC - top of casing

TABLE 3
SUMMARY OF SOIL QUALITY DATA
374 WALLABOUT STREET
BROOKLYN, NEW YORK
FILE NO. 0205892

	Criteria																							
Location Name				SB-01	SB-01	SB-01	SB-02	SB-02	SB-02	SB-03	SB-03	SB-03	SB-03	SB-03	SB-03	SB-04	SB-04	SB-04	SB-04	SB-04	SB-04	SB-05	SB-05	SB-05	SB-05
Sample Name				SB-01_6-8	SB-01_8-10	SB-01_13-15	SB-02_6-8	SB-02_8-10	SB-02_13-15	SB-03_0-2	SB-03_3-5	SB-03_7-9	SB-03_10-12	DUP-01_20250205	SB-03_13-15	SB-04_0-2	SB-04_3-5	SB-04_7-9	SB-04_13-15	SB-04_10-12	DUP-02_20250207	SB-05_0-2	SB-05_3-5	SB-05_7-9	SB-05_10-12
Sample Date	Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	Restricted Use Soil Cleanup Objectives - Residential 2025	Unrestricted Use Soil Cleanup Objectives 2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/07/2025	02/07/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025
Lab Sample ID				L2506753-07 L2506754-07 L2510605-01	L2506753-08 L2506754-08	L2506753-09 L2506754-09	L2506753-01 L2506754-01	L2506753-02 L2506754-02	L2506753-03 L2506754-03	L2506454-01 L2506455-01 L2510605-02	L2506454-02 L2506455-02 L2510605-03	L2506454-03 L2506455-03 L2510605-04	L2506454-04 L2506455-04	L2506454-16 L2506455-16	L2506454-05 L2506455-05	L2506454-06 L2506455-06 L2510605-05	L2506454-07 L2506455-07 L2510605-06	L2506454-08 L2506455-08	L2506454-10 L2506455-10	L2507071-01 L2507087-01	L2507071-02 L2507087-02	L2506454-11 L2506455-11 L2510605-07	L2506454-12 L2506455-12 L2510605-08	L2506454-13 L2506455-13 L2510605-09	L2506454-14 L2506455-14 L2510605-10
Sample Depth (bgs)				6 - 8 (ft)	8 - 10 (ft)	13 - 15 (ft)	6 - 8 (ft)	8 - 10 (ft)	13 - 15 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	10 - 12 (ft)	10 - 12 (ft)	13 - 15 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	13 - 15 (ft)	10 - 12 (ft)	10 - 12 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	10 - 12 (ft)
Volatile Organic Compounds (mg/kg)																									
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.00048)	ND (0.00051)	ND (0.00052)	ND (0.00055)	ND (0.00048)	ND (0.00047)	ND (0.00076)	ND (0.00063)	ND (0.0006)	ND (0.00056)	ND (0.0006)	ND (0.00051)	ND (0.00062)	ND (0.00073)	ND (0.00048)	ND (0.00051)	ND (0.00054)	ND (0.00059)	ND (0.00051)	ND (0.00057)	ND (0.00048)	ND (0.00089)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.00048)	ND (0.00051)	ND (0.00052)	ND (0.00055)	ND (0.00048)	ND (0.00047)	ND (0.00076)	ND (0.00063)	ND (0.0006)	ND (0.00056)	ND (0.0006)	ND (0.00051)	ND (0.00062)	ND (0.00073)	ND (0.00048)	ND (0.00051)	ND (0.00054)	ND (0.00059)	ND (0.00051)	ND (0.00057)	ND (0.00048)	ND (0.00089)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.00048)	ND (0.00051)	ND (0.00052)	ND (0.00055)	ND (0.00048)	ND (0.00047)	ND (0.00076)	ND (0.00063)	ND (0.0006)	ND (0.00056)	ND (0.0006)	ND (0.00051)	ND (0.00062)	ND (0.00073)	ND (0.00048)	ND (0.00051)	ND (0.00054)	ND (0.00059)	ND (0.00051)	ND (0.00057)	ND (0.00048)	ND (0.00089)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00095)	ND (0.00093)	ND (0.0015)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0012)	ND (0.0015)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0018)
1,1-Dichloroethane	0.27	47	0.27	ND (0.00096)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00095)	ND (0.00093)	ND (0.0015)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0012)	ND (0.0015)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0018)
1,1-Dichloroethene	0.33	0.98	0.24	ND (0.00096)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00095)	ND (0.00093)	ND (0.0015)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0012)	ND (0.0015)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0018)
1,1-Dichloropropene	NA	NA	NA	ND (0.00048)	ND (0.00051)	ND (0.00052)	ND (0.00055)	ND (0.00048)	ND (0.00047)	ND (0.00076)	ND (0.00063)	ND (0.0006)	ND (0.00056)	ND (0.0006)	ND (0.00051)	ND (0.00062)	ND (0.00073)	ND (0.00048)	ND (0.00051)	ND (0.00054)	ND (0.00059)	ND (0.00051)	ND (0.00057)	ND (0.00048)	ND (0.00089)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
1,2,4-Trimethylbenzene	5.9	100	5.9	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0029)	ND (0.003)	ND (0.0031)	ND (0.0033)	ND (0.0029)	ND (0.0028)	ND (0.0045)	ND (0.0038)	ND (0.0036)	ND (0.0033)	ND (0.0036)	ND (0.0031)	ND (0.0037)	ND (0.0044)	ND (0.0029)	ND (0.003)	ND (0.0033)	ND (0.0035)	ND (0.0031)	ND (0.0034)	ND (0.0029)	ND (0.0053)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00095)	ND (0.00093)	ND (0.0015)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0012)	ND (0.0015)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0018)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
1,2-Dichloroethane	0.02	5.8	0.02	ND (0.00096)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00095)	ND (0.00093)	ND (0.0015)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0012)	ND (0.0015)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0018)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.001)	0.00049 J	0.00024 J	0.00099	ND (0.0015)	ND (0.0013)	ND (0.0012)	ND (0.0011)	0.00017 J	ND (0.001)	ND (0.0012)	ND (0.0015)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0011)	0.00031 J	ND (0.0018)
1,2-Dichloropropane	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00095)	ND (0.00093)	ND (0.0015)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0012)	ND (0.0015)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0018)
1,3,5-Trimethylbenzene	3.1	100	3.1	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
1,3-Dichlorobenzene	2.6	38	2.6	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
1,3-Dichloropropane	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
1,3-Dichloropropene	NA	NA	NA	ND (0.00048)	ND (0.00051)	ND (0.00052)	ND (0.00055)	ND (0.00048)	ND (0.00047)	ND (0.00076)	ND (0.00063)	ND (0.0006)	ND (0.00056)	ND (0.0006)	ND (0.00051)	ND (0.00062)	ND (0.00073)	ND (0.00048)	ND (0.00051)	ND (0.00054)	ND (0.00059)	ND (0.00051)	ND (0.00057)	ND (0.00048)	ND (0.00089)
1,4-Dichlorobenzene	1.8	24	1.8	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
1,4-Diethylbenzene	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
1,4-Dioxane	0.1	5.7	0.1	ND (0.076)	ND (0.081)	ND (0.084)	ND (0.088)	ND (0.076)	ND (0.075)	ND (0.12)	ND (0.1)	ND (0.096)	ND (0.089)	ND (0.096)	ND (0.082)	ND (0.1)	ND (0.12)	ND (0.077)	ND (0.081)	ND (0.087)	ND (0.094)	ND (0.082)	ND (0.091)	ND (0.078)	ND (0.14)
2,2-Dichloropropane	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
2-Butanone (Methyl Ethyl Ketone)	0.1	100	0.1	ND (0.0096)	ND (0.01)	ND (0.01)	0.015	ND (0.0095)	ND (0.0093)	ND (0.015)	ND (0.013)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.01)	ND (0.012)	ND (0.015)	ND (0.0096)	ND (0.01)	ND (0.011)	ND (0.012)	0.0074 J	ND (0.011)	ND (0.0097)	ND (0.018)
2-Chlorotoluene	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.0096)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.0095)	ND (0.0093)	ND (0.015)	ND (0.013)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.01)	ND (0.012)	ND (0.015)	ND (0.0096)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.01)	ND (0.011)	ND (0.0097)	ND (0.018)
2-Phenylbutane (sec-Butylbenzene)	25	100	25	ND (0.00096)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00095)	ND (0.00093)	ND (0.0015)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0012)	ND (0.0015)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0018)
4-Chlorotoluene	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.0096)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.0095)	ND (0.0093)	ND (0.015)	ND (0.013)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.01)	ND (0.012)	ND (0.015)	ND (0.0096)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.01)	ND (0.011)	ND (0.0097)	ND (0.018)
Acetone	0.03	100	0.03	ND (0.0096)	ND (0.01)	ND (0.01)	***0.064***	0.026	ND (0.0093)	0.015	ND (0.013)	0.011 J	ND (0.011)	0.0061 J	ND (0.01)	ND (0.012)	0.012 J	0.014	ND (0.01)	0.011	ND (0.012)	***0.13***	0.0055 J	0.0078 J	***0.036***
Acrylonitrile	NA	NA	NA	ND (0.0038)	ND (0.004)	ND (0.0042)	ND (0.0044)	ND (0.0038)	ND (0.0037)	ND (0.006)	ND (0.005)	ND (0.0048)	ND (0.0044)	ND (0.0048)	ND (0.0041)	ND (0.005)	ND (0.0058)	ND (0.0039)	ND (0.0041)	ND (0.0044)	ND (0.0047)	ND (0.0041)	ND (0.0045)	ND (0.0039)	ND (0.0071)
Benzene	0.06	3.7	0.06	ND (0.00048)	ND (0.00051)	ND (0.00052)	ND (0.00055)	ND (0.00048)	ND (0.00047)	ND (0.00076)	ND (0.00063)	ND (0.0006)	ND (0.00056)	ND (0.0006)	ND (0.00051)	ND (0.00062)	ND (0.00073)	ND (0.00048)	ND (0.00051)	ND (0.00054)	ND (0.00059)	ND (0.00051)	ND (0.00057)	ND (0.00048)	ND (0.00089)
Bromobenzene	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
Bromodichloromethane	NA	NA	NA	ND (0.00048)	ND (0.00051)	ND (0.00052)	ND (0.00055)	ND (0.00048)	ND (0.00047)	ND (0.00076)	ND (0.00063)	ND (0.0006)	ND (0.00056)	ND (0.0006)	ND (0.00051)	ND (0.00062)	ND (0.00073)	ND (0.00048)	ND (0.00051)	ND (0.00054)	ND (0.00059)	ND (0.00051)	ND (0.00057)	ND (0.00048)	ND (0.00089)
Bromoform	NA	NA	NA	ND (0.0038)	ND (0.004)	ND (0.0042)	ND (0.0044)	ND (0.0038)	ND (0.0037)	ND (0.006)	ND (0.005)	ND (0.0048)	ND (0.0044)	ND (0.0048)	ND (0.0041)	ND (0.005)	ND (0.0058)	ND (0.0039)	ND (0.0041)	ND (0.0044)	ND (0.0047)	ND (0.0041)	ND (0.0045)	ND (0.0039)	ND (0.0071)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
Carbon disulfide	NA	NA	NA	ND (0.0096)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.0095)	ND (0.0093)	ND (0.015)	ND (0.013)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.01)	ND (0.012)	ND (0.015)	ND (0.0096)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.01)	ND (0.011)	ND (0.0097)	ND (0.018)
Carbon tetrachloride	0.76	7.1	0.76	ND (0.00096)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00095)	ND (0.00093)	ND (0.0015)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0012)	ND (0.0015)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0018)
Chlorobenzene	4.5	100	4.5	ND (0.00048)	ND (0.00051)	ND (0.00052)	ND (0.00055)	ND (0.00048)	ND (0.00047)	ND (0.00076)	ND (0.00063)	ND (0.0006)	ND (0.00056)	ND (0.0006)	ND (0.00051)	ND (0.00062)	ND (0.00073)	ND (0.00048)	ND (0.00051)	ND (0.00054)	ND (0.00059)	ND (0.00051)	ND (0.00057)	ND (0.00048)	ND (0.00089)
Chlorobromomethane	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
Chloroethane	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
Chloroform (Trichloromethane)	0.37	24	0.37	ND (0.0014)	ND (0.0015)	ND (0.0016)	ND (0.0016)	ND (0.0014)	ND (0.0014)	ND (0.0023)	ND (0.0019)	ND (0.0018)	ND (0.0017)	ND (0.0018)	ND (0.0015)	ND (0.0019)	ND (0.0022)	ND (0.0014)	ND (0.0015)	ND (0.0016)	ND (0.0018)	ND (0.0015)	ND (0.0017)	ND (0.0014)	ND (0.0027)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0038)	ND (0.004)	ND (0.0042)	ND (0.0044)	ND (0.0038)	ND (0.0037)	ND (0.006)	ND (0.005)	ND (0.0048)	ND (0.0044)	ND (0.0048)	ND (0.0041)	ND (0.005)	ND (0.0058)	ND (0.0039)	ND (0.0041)	ND (0.0044)	ND (0.0047)	ND (0.0041)	ND (0.0045)	ND (0.0039)	ND (0.0071)
cis-1,2-Dichloroethene	0.19	41	0.19	ND (0.00096)	ND (0.001)	ND (0.001)	0.00049 J	0.00024 J	0.00099	ND (0.0015)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0012)	ND (0.0015)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0011)	0.00031 J	ND (0.0018)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.00048)	ND (0.00051)	ND (0.00052)	ND (0.00055)	ND (0.00048)	ND (0.00047)	ND (0.00076)	ND (0.00063)	ND (0.0006)	ND (0.00056)	ND (0.0006)	ND (0.00051)	ND (0.00062)	ND (0.00073)	ND (0.00048)	ND (0.00051)	ND (0.00054)	ND (0.00059)	ND (0.00051)	ND (0.00057)	ND (0.00048)	ND (0.00089)
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00095)	ND (0.00093)	ND (0.0015)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0012)	ND (0.0015)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.0012)	0.0026	ND (0.0011)	ND (0.00097)	ND (0.0018)
Dibromochloromethane	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00095)	ND (0.00093)	ND (0.0015)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0012)	ND (0.0015)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0018)
Dibromomethane	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.0096)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.0095)	ND (0.0093)	ND (0.015)	ND (0.013)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.01)	ND (0.012)	ND (0.015)	ND (0.0096)	ND (0.01)	ND (0.011)	ND (0.012)	ND (0.01)	ND (0.011)	ND (0.0097)	ND (0.018)
Ethyl Ether	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
Ethylbenzene	1	76	1	ND (0.00096)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00095)	0.00055 J	ND (0.0015)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0012)	0.00055 J	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0018)
Hexachlorobutadiene	NA	NA	NA	ND (0.0038)	ND (0.004)	ND (0.0042)	ND (0.0044)	ND (0.0038)	ND (0.0037)	ND (0.006)	ND (0.005)	ND (0.0048)	ND (0.0044)	ND (0.0048)	ND (0.0041)	ND (0.005)	ND (0.0058)	ND (0.0039)	ND (0.0041)	ND (0.0044)	ND (0.0047)	ND (0.0041)	ND (0.0045)	ND (0.0039)	ND (0.0071)
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00095)	ND (0.00093)	ND (0.0015)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0012)	ND (0.0015)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0018)
m,p-Xylenes	NA	NA	NA	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	0.0033	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	0.0028 J	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
Methyl Tert Butyl Ether (MTBE)	0.1	100	0.1	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0019)	ND (0.0019)	ND (0.003)	ND (0.0025)	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.002)	ND (0.0025)	ND (0.0029)	ND (0.0019)	ND (0.002)	ND (0.0022)	ND (0.0023)	ND (0.002)	ND (0.0023)	ND (0.0019)	ND (0.0035)
Methylene chloride (Dichloromethane)	0.05	81	0.05	ND (0.0048)	ND (0.0051)	ND (0.0052)	ND (0.0055)	ND (0.0048)	ND (0.0047)	ND (0.0076)	ND (0.0063)	ND (0.006)	ND (0.0056)	ND (0.006)	ND (0.0051)	ND (0.0062)	ND (0.0073)	ND (0.0048)	0.0076	ND (0.0054)	ND (0.0059)	ND (0.0051)	ND (0.0057)	ND (0.0048)	ND (0.0089)
Naphthalene	12	100	12	ND (0.0038)	ND (0.004)	ND (0.0042)	ND (0.0044)	ND (0.0038)	ND (0.0037)	ND (0.006)	ND (0.005)	ND (0.0048)	ND (0.0044)	ND (0.0048)	ND (0.0041)	ND (0.005)	ND (0.0058)	ND (0.0039)	ND (0.0041)	ND (0.0044)	ND (0.0047)	ND (0.0041)	ND (0.0045)	ND (0.0039)	ND (0.0071)
n-Butylbenzene	18	100	18	ND (0.00096)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00095)	ND (0.00093)	ND (0.0015)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0012)	ND (0.0015)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0018)
n-Propylbenzene	5	100	5	ND (0.00096)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00095)	ND (0.00093)	ND (0.0015)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0012)	ND (0.0015)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0018)
o-Xylene	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00095)	0.0027	ND (0.0015)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0012)	0.0014 J	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0018)
Styrene	NA	NA	NA	ND (0.00096)	ND (0.001)	ND (0.001)	ND (0.0011)	ND (0.00095)	ND (0.00093)	ND (0.0015)	ND (0.0013)	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0012)	ND (0.0015)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0018)
tert-Butylbenzene	11	100	11	ND (0.0019)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND

TABLE 3
SUMMARY OF SOIL QUALITY DATA
374 WALLABOUT STREET
BROOKLYN, NEW YORK
FILE NO. 0205892

Location Name	Criteria			SB-01	SB-01	SB-01	SB-02	SB-02	SB-02	SB-03	SB-03	SB-03	SB-03	SB-03	SB-03	SB-04	SB-04	SB-04	SB-04	SB-04	SB-04	SB-05	SB-05	SB-05	SB-05
Sample Name				SB-01_6-8	SB-01_8-10	SB-01_13-15	SB-02_6-8	SB-02_8-10	SB-02_13-15	SB-03_0-2	SB-03_3-5	SB-03_7-9	SB-03_10-12	DUP-01_20250205	SB-03_13-15	SB-04_0-2	SB-04_3-5	SB-04_7-9	SB-04_13-15	SB-04_10-12	DUP-02_20250207	SB-05_0-2	SB-05_3-5	SB-05_7-9	SB-05_10-12
Sample Date	Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	Restricted Use Soil Cleanup Objectives - Residential 2025	Unrestricted Use Soil Cleanup Objectives 2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/07/2025	02/07/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025
Lab Sample ID				L2506753-07 L2506754-07 L2510605-01	L2506753-08 L2506754-08	L2506753-09 L2506754-09	L2506753-01 L2506754-01	L2506753-02 L2506754-02	L2506753-03 L2506754-03	L2506454-01 L2506455-01 L2510605-02	L2506454-02 L2506455-02 L2510605-03	L2506454-03 L2506455-03 L2510605-04	L2506454-04 L2506455-04	L2506454-16 L2506455-16	L2506454-05 L2506455-05	L2506454-06 L2506455-06 L2510605-05	L2506454-07 L2506455-07 L2510605-06	L2506454-08 L2506455-08	L2506454-10 L2506455-10	L2507071-01 L2507087-01	L2507071-02 L2507087-02	L2506454-11 L2506455-11 L2510605-07	L2506454-12 L2506455-12 L2510605-08	L2506454-13 L2506455-13 L2510605-09	L2506454-14 L2506455-14 L2510605-10
Sample Depth (bgs)				6 - 8 (ft)	8 - 10 (ft)	13 - 15 (ft)	6 - 8 (ft)	8 - 10 (ft)	13 - 15 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	10 - 12 (ft)	10 - 12 (ft)	13 - 15 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	13 - 15 (ft)	10 - 12 (ft)	10 - 12 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	10 - 12 (ft)
Semi-Volatile Organic Compounds (mg/kg)																									
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
1,3-Dichlorobenzene	2.6	38	2.6	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
1,4-Dichlorobenzene	1.8	24	1.8	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
1,4-Dioxane	0.1	5.7	0.1	ND (0.028)	ND (0.028)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.031)	ND (0.029)	ND (0.03)	ND (0.03)	ND (0.031)	ND (0.029)	ND (0.028)	ND (0.029)	ND (0.031)	ND (0.029)	ND (0.028)	ND (0.031)	ND (0.029)	ND (0.028)	ND (0.028)	ND (0.029)	ND (0.03)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.23)	ND (0.22)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.25)	ND (0.23)	ND (0.24)	ND (0.24)	ND (0.25)	ND (0.24)	ND (0.22)	ND (0.24)	ND (0.25)	ND (0.23)	ND (0.22)	ND (0.24)	ND (0.23)	ND (0.22)	ND (0.23)	ND (0.23)	ND (0.24)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)
2,4-Dichlorophenol	NA	NA	NA	ND (0.17)	ND (0.16)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.18)
2,4-Dimethylphenol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
2,4-Dinitrophenol	NA	NA	NA	ND (0.91)	ND (0.88)	ND (0.95)	ND (0.96)	ND (0.94)	ND (0.98)	ND (0.93)	ND (0.97)	ND (0.96)	ND (0.99)	ND (0.94)	ND (0.89)	ND (0.94)	ND (0.99)	ND (0.92)	ND (0.9)	ND (0.98)	ND (0.92)	ND (0.89)	ND (0.91)	ND (0.93)	ND (0.95)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
2-Chloronaphthalene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
2-Chlorophenol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
2-Methylnaphthalene	NA	NA	NA	ND (0.23)	ND (0.22)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.25)	ND (0.23)	0.026 J	ND (0.24)	ND (0.25)	ND (0.24)	ND (0.22)	0.051 J	ND (0.25)	ND (0.23)	ND (0.22)	ND (0.24)	ND (0.23)	0.025 J	ND (0.23)	ND (0.23)	ND (0.24)
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
2-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
2-Nitrophenol	NA	NA	NA	ND (0.41)	ND (0.4)	ND (0.43)	ND (0.43)	ND (0.42)	ND (0.44)	ND (0.42)	ND (0.43)	ND (0.43)	ND (0.44)	ND (0.42)	ND (0.4)	ND (0.42)	ND (0.44)	ND (0.41)	ND (0.4)	ND (0.44)	ND (0.42)	ND (0.4)	ND (0.41)	ND (0.42)	ND (0.43)
3&4-Methylphenol	NA	NA	NA	ND (0.27)	ND (0.26)	ND (0.28)	ND (0.29)	ND (0.28)	ND (0.3)	ND (0.28)	ND (0.29)	ND (0.29)	ND (0.3)	ND (0.28)	ND (0.26)	ND (0.28)	ND (0.3)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.27)	ND (0.27)	ND (0.28)	ND (0.28)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
3-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.5)	ND (0.48)	ND (0.51)	ND (0.52)	ND (0.51)	ND (0.53)	ND (0.5)	ND (0.52)	ND (0.52)	ND (0.53)	ND (0.51)	ND (0.48)	ND (0.51)	ND (0.54)	ND (0.5)	ND (0.49)	ND (0.53)	ND (0.5)	ND (0.48)	ND (0.5)	ND (0.5)	ND (0.51)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
4-Chloroaniline	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
4-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
4-Nitrophenol	NA	NA	NA	ND (0.27)	ND (0.26)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.29)	ND (0.27)	ND (0.28)	ND (0.28)	ND (0.29)	ND (0.28)	ND (0.26)	ND (0.27)	ND (0.29)	ND (0.27)	ND (0.26)	ND (0.29)	ND (0.27)	ND (0.26)	ND (0.27)	ND (0.27)	ND (0.28)
Acenaphthene	98	100	20	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	0.042 J	0.045 J	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	0.17	0.053 J	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	0.061 J	ND (0.15)	ND (0.15)	ND (0.16)
Acenaphthylene	365	100	100	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	0.05 J	0.13 J	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	0.077 J	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	0.08 J	0.038 J	ND (0.15)	ND (0.16)
Acetophenone	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
Anthracene	1000	100	100	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	0.15	0.21	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	0.42	0.16	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	0.32	0.055 J	ND (0.12)	ND (0.12)
Benzo(a)anthracene	1	1.4	1	ND (0.11)	ND (0.11)	ND (0.12)	0.033 J	ND (0.12)	ND (0.12)	0.47	0.8	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	0.82	0.3	ND (0.12)	0.021 J	ND (0.12)	ND (0.12)	***1.2 J+***	0.31	0.12	0.14
Benzo(a)pyrene	22	1	1	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	0.45	0.8	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	0.75	0.28	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	1.1	0.31	0.11 J	0.12 J
Benzo(b)fluoranthene	2.1	1.4	1	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	0.55	1	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	0.89	0.32	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	1.3	0.38	0.14	0.17
Benzo(g,h,i)perylene	1000	4.9	0.64	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	0.26	0.48	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	0.41	0.15 J	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	0.65	0.17	0.063 J	0.079 J
Benzo(k)fluoranthene	2	4.9	0.8	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	0.19	0.31	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	0.34	0.11 J	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	0.53	0.13	0.053 J	0.053 J
Benzoic acid	NA	NA	NA	ND (0.62)	ND (0.6)	ND (0.64)	ND (0.65)	ND (0.64)	ND (0.66)	ND (0.62)	ND (0.65)	ND (0.65)	ND (0.67)	ND (0.64)	ND (0.6)	ND (0.64)	ND (0.67)	ND (0.62)	ND (0.61)	ND (0.66)	ND (0.62)	ND (0.6)	ND (0.62)	ND (0.63)	ND (0.64)
Benzyl Alcohol	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
Biphenyl	NA	NA	NA	ND (0.43)	ND (0.42)	ND (0.45)	ND (0.46)	ND (0.45)	ND (0.47)	ND (0.44)	ND (0.46)	ND (0.45)	ND (0.47)	ND (0.45)	ND (0.42)	ND (0.45)	ND (0.47)	ND (0.44)	ND (0.43)	ND (0.46)	ND (0.44)	ND (0.42)	ND (0.43)	ND (0.44)	ND (0.45)
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.21)	ND (0.22)	ND (0.21)	ND (0.22)	ND (0.21)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.21)	ND (0.2)	ND (0.21)	ND (0.22)	ND (0.21)	ND (0.2)	ND (0.22)	ND (0.21)	ND (0.2)	ND (0.2)	ND (0.21)	ND (0.21)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.17)	ND (0.16)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.18)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.19)	ND (0.18)	0.07 J	0.082 J	ND (0.2)	ND (0.2)	0.19	0.77	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	0.099 J	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	0.071 J+	ND (0.19)	ND (0.19)	ND (0.2)
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	0.3	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
Carbazole	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	0.06 J	0.093 J	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	0.15 J	0.046 J	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	0.071 J	0.02 J	ND (0.19)	ND (0.2)
Chrysene	1	4.9	1	ND (0.11)	ND (0.11)	ND (0.12)	0.029 J	ND (0.12)	ND (0.12)	0.48	0.86	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	0.84	0.3	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	***1.1 J+***	0.3	0.12	0.13
Dibenz(a,h)anthracene	1000	0.33	0.33	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	0.071 J	0.13	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	0.11 J	0.042 J	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	0.17	0.047 J	ND (0.12)	ND (0.12)
Dibenzofuran	110	18	2.1	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	0.039 J	0.037 J	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	0.12 J	0.031 J	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	0.047 J	ND (0.19)	ND (0.19)	ND (0.2)
Diethyl phthalate	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
Dimethyl phthalate	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	0.083 J	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	0.05 J	0.047 J	0.039 J	ND (0.19)	ND (0.19)	ND (0.2)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
Fluoranthene	1000	100	85	ND (0.11)	ND (0.11)	ND (0.12)	0.042 J	ND (0.12)	ND (0.12)	0.91	1.5	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	1.7	0.65	ND (0.12)	0.046 J	ND (0.12)	ND (0.12)	2.3	0.51	0.21	0.27
Fluorene	386	100	30	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	0.049 J	0.047 J	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	0.2	0.048 J	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	0.076 J	ND (0.19)	ND (0.19)	ND (0.2)
Hexachlorobenzene	3.2	0.33	0.33	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.12)
Hexachlorobutadiene	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.54)	ND (0.52)	ND (0.56)	ND (0.57)	ND (0.56)	ND (0.59)	ND (0.55)	ND (0.58)	ND (0.57)	ND (0.59)	ND (0.56)	ND (0.53)	ND (0.56)	ND (0.59)	ND (0.55)	ND (0.54)	ND (0.58)	ND (0.55)	ND (0.53)	ND (0.54)	ND (0.55)	ND (0.56)
Hexachloroethane	NA	NA	NA	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.16)
Indeno(1,2,3-cd)pyrene	6.6	1.4	0.5	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	0.25	0.48	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	0.41	0.15 J	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	0.66	0.18	0.06 J	0.079 J
Isophorone	NA	NA	NA	ND (0.17)	ND (0.16)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.18)
Naphthalene	12	100	12	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	0.048 J	0.06 J	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	0.064 J	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	0.046 J	ND (0.19)	ND (0.19)	ND (0.2)
Nitrobenzene	0.08	1.8	0.08	ND (0.17)	ND (0.16)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.18)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.16)
Pentachlorophenol	0.8	1.3	0.8	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.16)
Phenanthrene	1000	4.9	1.1	ND (0.11)	ND (0.11)	ND (0.12)	0.025 J	ND (0.12)	ND (0.12)	0.59	0.81	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	1.5	0.6	ND (0.12)	0.06 J	ND (0.12)	ND (0.12)	1	0.19	0.1 J	0.11 J
Phenol	0.33	100	0.33	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.18)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.19)	ND (0.2)
Pyrene	1000	100	64	ND (0.11)	ND (0.11)	ND (0.12)	0.038 J	ND (0.12)	ND (0.12)	0.81	1.4	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.11)	1.5	0.58	ND (0.12)	0.037 J	ND (0.12)	ND (0.12)	2 J+	0.46	0.2	0.24

TABLE 3
SUMMARY OF SOIL QUALITY DATA
374 WALLABOUT STREET
BROOKLYN, NEW YORK
FILE NO. 0205892

	Criteria																						
Location Name				SB-01	SB-01	SB-01	SB-02	SB-02	SB-02	SB-03	SB-03	SB-03	SB-03	SB-03	SB-03	SB-04	SB-04	SB-04	SB-04	SB-04	SB-04	SB-05	SB-05	SB-05	SB-05
Sample Name				SB-01_6-8	SB-01_8-10	SB-01_13-15	SB-02_6-8	SB-02_8-10	SB-02_13-15	SB-03_0-2	SB-03_3-5	SB-03_7-9	SB-03_10-12	DUP-01_20250205	SB-03_13-15	SB-04_0-2	SB-04_3-5	SB-04_7-9	SB-04_13-15	SB-04_10-12	DUP-02_20250207	SB-05_0-2	SB-05_3-5	SB-05_7-9	SB-05_10-12
Sample Date	Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	Restricted Use Soil Cleanup Objectives - Residential 2025	Unrestricted Use Soil Cleanup Objectives 2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/07/2025	02/07/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025
Lab Sample ID				L2506753-07 L2506754-07 L2510605-01	L2506753-08 L2506754-08	L2506753-09 L2506754-09	L2506753-01 L2506754-01	L2506753-02 L2506754-02	L2506753-03 L2506754-03	L2506454-01 L2506455-01 L2510605-02	L2506454-02 L2506455-02 L2510605-03	L2506454-03 L2506455-03 L2510605-04	L2506454-04 L2506455-04	L2506454-16 L2506455-16	L2506454-05 L2506455-05	L2506454-06 L2506455-06 L2510605-05	L2506454-07 L2506455-07 L2510605-06	L2506454-08 L2506455-08	L2506454-10 L2506455-10	L2507071-01 L2507087-01	L2507071-02 L2507087-02	L2506454-11 L2506455-11 L2510605-07	L2506454-12 L2506455-12 L2510605-08	L2506454-13 L2506455-13 L2510605-09	L2506454-14 L2506455-14 L2510605-10
Sample Depth (bgs)				6 - 8 (ft)	8 - 10 (ft)	13 - 15 (ft)	6 - 8 (ft)	8 - 10 (ft)	13 - 15 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	10 - 12 (ft)	10 - 12 (ft)	13 - 15 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	13 - 15 (ft)	10 - 12 (ft)	10 - 12 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	10 - 12 (ft)
PFAS (ng/g)																									
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	NA	NA	ND (0.8)	ND (0.797)	ND (0.798)	ND (0.797)	ND (0.8)	ND (0.801)	ND (0.795)	ND (0.798)	ND (0.796)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.798)	ND (5.36)	ND (0.794)	ND (0.799)	ND (0.798)	ND (0.798)	ND (0.796)	ND (0.8)	ND (0.797)	ND (0.798)
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	NA	NA	ND (5)	ND (4.98)	ND (4.99)	ND (4.98)	ND (5)	ND (5.01)	ND (4.97)	ND (4.98)	ND (4.98)	ND (5)	ND (5)	ND (5)	ND (4.99)	ND (33.5)	ND (4.96)	ND (4.99)	ND (4.99)	ND (4.98)	ND (4.98)	ND (5)	ND (4.98)	ND (4.99)
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	NA	NA	ND (5)	ND (4.98)	ND (4.99)	ND (4.98)	ND (5)	ND (5.01)	ND (4.97)	ND (4.98)	ND (4.98)	ND (5)	ND (5)	ND (5)	ND (4.99)	ND (33.5)	ND (4.96)	ND (4.99)	ND (4.99)	ND (4.98)	ND (4.98)	ND (5)	ND (4.98)	ND (4.99)
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	NA	NA	ND (1)	ND (0.996)	ND (0.997)	ND (0.996)	ND (1)	ND (1)	ND (0.994)	ND (0.997)	ND (0.995)	ND (1)	ND (1)	ND (1)	ND (0.998)	ND (6.7)	ND (0.993)	ND (0.998)	ND (0.998)	ND (0.997)	ND (0.995)	ND (1)	ND (0.996)	ND (0.998)
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	NA	NA	ND (0.8)	ND (0.797)	ND (0.798)	ND (0.797)	ND (0.8)	ND (0.801)	ND (0.795)	ND (0.798)	ND (0.796)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.798)	ND (5.36)	ND (0.794)	ND (0.799)	ND (0.798)	ND (0.798)	ND (0.796)	ND (0.8)	ND (0.797)	ND (0.798)
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	NA	ND (0.8)	ND (0.797)	ND (0.798)	ND (0.797)	ND (0.8)	ND (0.801)	ND (0.795)	ND (0.798)	ND (0.796)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.798)	ND (5.36)	ND (0.794)	ND (0.799)	ND (0.798)	ND (0.798)	ND (0.796)	ND (0.8)	ND (0.797)	ND (0.798)
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.8)	ND (0.797)	ND (0.798)	ND (0.797)	ND (0.8)	ND (0.801)	ND (0.795)	ND (0.798)	ND (0.796)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.798)	ND (5.36)	ND (0.794)	ND (0.799)	ND (0.798)	ND (0.798)	ND (0.796)	ND (0.8)	ND (0.797)	ND (0.798)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.8)	ND (0.797)	ND (0.798)	ND (0.797)	ND (0.8)	ND (0.801)	ND (0.795)	ND (0.798)	ND (0.796)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.798)	ND (5.36)	ND (0.794)	ND (0.799)	ND (0.798)	ND (0.798)	ND (0.796)	ND (0.8)	ND (0.797)	ND (0.798)
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	NA	NA	ND (0.8)	ND (0.797)	ND (0.798)	ND (0.797)	ND (0.8)	ND (0.801)	ND (0.795)	ND (0.798)	ND (0.796)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.798)	ND (5.36)	ND (0.794)	ND (0.799)	ND (0.798)	ND (0.798)	ND (0.796)	ND (0.8)	ND (0.797)	ND (0.798)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (1.34)	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.199)	ND (0.2)
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	NA	NA	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (1.34)	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.199)	ND (0.2)
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	NA	NA	ND (2)	ND (1.99)	ND (1.99)	ND (1.99)	ND (2)	ND (2)	ND (1.99)	ND (1.99)	ND (1.99)	ND (2)	ND (2)	ND (2)	ND (2)	ND (13.4)	ND (1.98)	ND (2)	ND (2)	ND (1.99)	ND (1.99)	ND (2)	ND (1.99)	ND (2)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NA	NA	NA	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199) J	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199) J	ND (0.199)	ND (0.2)	ND (0.2) J	ND (0.2)	ND (0.2)	ND (1.34) J	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.199) J	ND (0.2)
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	NA	NA	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (1.34)	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.199)	ND (0.2)
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	NA	NA	ND (2)	ND (1.99)	ND (1.99)	ND (1.99)	ND (2)	ND (2)	ND (1.99)	ND (1.99)	ND (1.99)	ND (2)	ND (2)	ND (2)	ND (2)	ND (13.4)	ND (1.98)	ND (2)	ND (2)	ND (1.99)	ND (1.99)	ND (2)	ND (1.99)	ND (2)
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	NA	ND (0.4)	ND (0.398)	ND (0.399)	ND (0.398)	ND (0.4)	ND (0.4)	ND (0.398)	ND (0.399)	ND (0.398)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.399)	ND (2.68)	ND (0.397)	ND (0.399)	ND (0.399)	ND (0.399)	ND (0.398)	ND (0.4)	ND (0.398)	ND (0.399)
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	NA	NA	ND (0.4)	ND (0.398)	ND (0.399)	ND (0.398)	ND (0.4)	ND (0.4)	ND (0.398)	ND (0.399)	ND (0.398)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.399)	ND (2.68)	ND (0.397)	ND (0.399)	ND (0.399)	ND (0.399)	ND (0.398)	ND (0.4)	ND (0.398)	ND (0.399)
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	NA	NA	ND (0.4)	ND (0.398)	ND (0.399)	ND (0.398)	ND (0.4)	ND (0.4)	ND (0.398)	ND (0.399)	ND (0.398)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.399)	ND (2.68)	ND (0.397)	ND (0.399)	ND (0.399)	ND (0.399)	ND (0.398)	ND (0.4)	ND (0.398)	ND (0.399)
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	NA	NA	ND (0.8)	ND (0.797)	ND (0.798)	ND (0.797)	ND (0.8)	ND (0.801)	ND (0.795)	ND (0.798)	ND (0.796)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.798)	ND (5.36)	ND (0.794)	ND (0.799)	ND (0.798)	ND (0.798)	ND (0.796)	ND (0.8)	ND (0.797)	ND (0.798)
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	NA	ND (0.4)	ND (0.398)	ND (0.399)	ND (0.398)	ND (0.4)	ND (0.4)	ND (0.398)	ND (0.399)	ND (0.398)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.399)	ND (2.68)	ND (0.397)	ND (0.399)	ND (0.399)	ND (0.399)	ND (0.398)	ND (0.4)	ND (0.398)	ND (0.399)
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	0.03 J	ND (1.34)	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.199)	ND (0.2)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.8)	ND (0.797)	ND (0.798)	ND (0.797)	ND (0.8)	ND (0.801)	ND (0.795)	ND (0.798)	ND (0.796)	ND (0.8)	ND (0.8)	ND (0.8)	0.055 J	ND (5.36)	ND (0.794)	0.03 J	ND (0.798)	0.04 J	ND (0.796)	ND (0.8)	ND (0.797)	ND (0.798)
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (1.34)	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	0.032 J	ND (0.2)	ND (0.199)	ND (0.2)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	0.125 J	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (1.34)	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	0.115 J	ND (0.2)	ND (0.199)	ND (0.2)
Perfluorododecane sulfonic acid (PFDoDS)	NA	NA	NA	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (1.34)	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.199)	ND (0.2)
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (1.34)	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	0.059 J	ND (0.2)	ND (0.199)	ND (0.2)
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (1.34)	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.199)	ND (0.2)
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	0.025 J	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	0.083 J	0.107 J	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	0.021 J	0.035 J	ND (0.199)	ND (0.2)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	0.022 J	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	0.032 J	ND (1.34)	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.199)	ND (0.2)
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	0.023 J	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	0.036 J	0.022 J	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	0.084 J	0.155 J	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	0.033 J	0.049 J	ND (0.199)	ND (0.2)
Perfluorononane sulfonic acid (PFNS)	NA	NA	NA	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (1.34)	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.199)	ND (0.2)
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.2)	0.016 J	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	0.101 J	0.022 J	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	0.052 J	0.107 J	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	0.092 J	0.039 J	ND (0.199)	0.017 J
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (1.34)	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.199)	ND (0.2)
Perfluorooctanesulfonic acid (PFOS)	1	44	0.88	0.254	0.16 J	0.085 J	0.073 J	0.078 J	0.051 J	0.562	0.14 J	0.031 J	ND (0.2)	0.032 J	0.074 J	0.451	0.434 J	ND (0.198)	0.038 J	ND (0.2)	0.051 J	0.479	0.338	0.038 J	0.14 J
Perfluorooctanoic acid (PFOA)	0.8	33	0.66	0.067 J	0.07 J	0.042 J	0.073 J	0.046 J	ND (0.2)	0.318	0.05 J	0.08 J	0.056 J	0.052 J	0.049 J	0.795	***1.87***	ND (0.198)	0.059 J	0.031 J	0.093 J	0.204	0.252	0.07 J	0.101 J
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	NA	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (1.34)	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.199)	ND (0.2)
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	0.046 J	ND (0.398)	ND (0.399)	ND (0.398)	ND (0.4)	ND (0.4)	ND (0.398)	ND (0.399)	ND (0.398)	ND (0.4)	ND (0.4)	ND (0.4)	0.077 J	ND (2.68)	ND (0.397)	ND (0.399)	ND (0.399)	ND (0.399)	0.041 J	0.065 J	ND (0.398)	ND (0.399)
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199) J	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (1.34)	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.199)	ND (0.2)
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (1.34)	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.199)	ND (0.2)
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.2)	ND (0.199)	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	0.021 J	ND (0.199)	ND (0.199)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (1.34)	ND (0.198)	ND (0.2)	ND (0.2)	ND (0.199)	0.042 J	ND (0.2)	ND (0.199)	ND (0.2)
Pesticides (mg/kg)																									
4,4'-DDD	14	5	0.0033	ND (0.00182)	ND (0.00171) J	ND (0.00186)	ND (0.0019)	ND (0.00184)	ND (0.0019)	ND (0.00178)	0.00287	0.00187 R	ND (0.00189)	ND (0.00184)	ND (0.00176)	ND (0.00178)	ND (0.00195)	ND (0.00181) J	ND (0.00179)	0.00196 R	ND (0.00179)	0.000988 J	ND (0.0018)	0.00209	0.00402
4,4'-DDE	9.3	3.4	0.0033	ND (0.00182)	ND (0.00171)	ND (0.00186)	ND (0.0019)	ND (0.00184)	ND (0.0019)	0.0119	0.0485	0.00187 R	ND (0.00189)	ND (0.00184)	ND (0.00176)	0.0037	0.00141 J	ND (0.00181) J	ND (0.00179)	0.00196 R	ND (0.00179)	0.00675	0.00371	0.00137 J	0.00236
4,4'-DDT	135	3.8	0.0033	ND (0.00182)	ND (0.00171) J	ND (0.00186)	ND (0.0019)	ND (0.00184)	ND (0.0019)	0.0659	0.108	0.00187 R	ND (0.00189)	ND (0.00184)	ND (0.00176)	0.0183	0.00218	ND (0.00181) J	ND (0.00179)	0.00196 R	ND (0.00179)	0.0268	0.0114	ND (0.00183) J	0.00212
Aldrin	0.19	0.044	0.0048	ND (0.00182)	ND (0.00171)	ND (0.00186)	ND (0.0019)	ND (0.00184)	ND (0.0019)	ND (0.00178)	ND (0.0019)	0.00187 R	ND (0.00189)	ND (0.00184)	ND (0.00176)	ND (0.00178)	ND (0.00195)	ND (0.00181) J	ND (0.00179)	0.00196 R	ND (0.00179)	ND (0.00182)	ND (0.0018)	ND (0.00183)	ND (0.00189)
alpha-BHC	0.02	0.18	0.02	ND (0.000757)	ND (0.000711)	ND (0.000776)	ND (0.00079)	ND (0.000766)	ND (0.000791)	ND (0.000744)	ND (0.000792)	0.000779 R	ND (0.000786)	ND (0.000765)	ND (0.000732)	ND (0.000744)	ND (0.000811)	ND (0.000753) J	ND (0.000746)	0.000815 R	ND (0.000746)	ND (0.000759)	ND (0.000748)	ND (0.000764)	ND (0.000788)
alpha-Chlordane (cis)	4.5	0.65	0.014	ND (0.00227)	ND (0.00213)	ND (0.00233)	ND (0.00237)	ND (0.0023)	ND (0.00237)	0.00256 J	0.0024 J	0.00234 R	ND (0.00236)	ND (0.0023)	ND (0.00219)	0.00394	ND (0.00243)	ND (0.00226) J	ND (0.00224)	0.00244 R	ND (0.00224)	ND (0.00228)	ND (0.00224) J	ND (0.00229)	ND (0.00236)
beta-BHC	0.09	0.18	0.021	ND (0.00182)	ND (0.00171)	ND (0.00186)	ND (0.0019)	ND (0.00184)	ND (0.0019)	ND (0.00178)	ND (0.0019)	0.00187 R	ND (0.00189)	ND (0.00184)	ND (0.00176)	ND (0.00178)	ND (0.00195)	ND (0.00181) J	ND (0.00179)	0.00196 R	ND (0.00179)	ND (0.00182)	ND (0.0018)	ND (0.00183)	ND (0.00189)
Chlordane	NA	NA	NA	ND (0.0151)	ND (0.0142)	ND (0.0155)	ND (0.0158)	ND (0.0153)	ND (0.0158)	0.0299	0.0204 J	0.0156 R	ND (0.0157)	ND (0.0153)	ND (0.0146)	0.0294 J	ND (0.0162)	ND (0.015) J	ND (0.0149)	0.0163 R	ND (0.0149)	ND (0.0152)	ND (0.015)	ND (0.0153)	ND (0.0158)
delta-BHC	0.1	100	0.04	ND (0.00182)	ND (0.00171)	ND (0.00186)	ND (0.0019)	ND (0.00184)	ND (0.0019)	ND (0.00178)	ND (0.0019)	0.00187 R	ND (0.00189)	ND (0.00184)	ND (0.00176)	ND (0.00178)	ND (0.00195)	ND (0.00181) J	ND (0.00179)	0.00196 R	ND (0.00179)	ND (0.00182)	ND (0.0018)	ND (0.00183)	ND (0.00189)
Dieldrin	0.1	0.075	0.005	ND (0.00114)	ND (0.00107)	ND (0.00116)	ND (0.00118)	ND (0.00115)	ND (0.00119)	0.00064 J	0.0038	0.00117 R	ND (0.00118)	ND (0.00115)	ND (0.0011)	0.000791 J	ND (0.00122)	ND (0.00113) J	ND (0.00112)	0.00122 R	ND (0.00112)	ND (0.00114)	ND (0.00112)	ND (0.00115)	ND (0.00118)
Endosulfan I	65	35	4.3	ND (0.00182)	ND (0.00171)	ND (0.00186)	ND (0.0019)	ND (0.00184)	ND (0.0019)	ND (0.00178)	ND (0.0019)	0.00187 R	ND (0.00189)	ND (0.00184)	ND (0.00176)	ND (0.00178)	ND (0.00195)	ND (0.00181) J	ND (0.00179)	0.00196 R	ND (0.00179)	ND (0.00182)	ND (0.0018)	ND (0.00183)	ND (0.00189)
Endosulfan II	44	35	4.3	ND (0.00182)	ND (0.00171)	ND (0.00186)	ND (0.0019)	ND (0.00184)	ND (0.0019)	ND (0.00178)	ND (0.0019)	0.00187 R	ND (0.00189)	ND (0.00184)	ND (0.00176)	ND (0.00178)	ND (0.00195)	ND (0.00181) J	ND (0.00179)	0.00196 R	ND (0.00179)	ND (0.00182)	ND (0.0018)	ND (0.00183)	ND (0.00189)
Endosulfan sulfate	47	35	4.3	ND (0.000757)	ND (0.000711)	ND (0.000776)	ND (0.00079)	ND (0.000766)	ND (0.000791)	ND (0.000744)	ND (0.000792)	0.000779 R	ND (0.000786)	ND (0.000765)	ND (0.000732)	ND (0.000744)	ND (0.000811)	ND (0.000753) J	ND (0.000746)	0.000815 R	ND (0.000746)	ND (0.000759)	ND (0.000748)	ND (0.000764)	ND (0.000788)
Endrin	0.06	5.3	0.014	ND (0.000757)	ND (0.000711)	ND (0.000776)	ND (0.00079)	ND (0.000766)	ND (0.000791)	ND (0.000744)	ND (0.000792)	0.000779 R	ND (0.000786)	ND (0.000765)	ND (0.000732)	ND (0.000744)	ND (0.000811)	ND (0.000753) J	ND (0.000746)	0.000815 R	ND (0.000746)	ND (0.000759)	ND (0.000748)	ND (0.000764)	ND (0.000788)
Endrin aldehyde	NA	NA	NA	ND (0.00227)	ND (0.00213)	ND (0.00233)	ND (0.00237)	ND (0.0023)	ND (0.00237)	ND (0.00223)	ND (0.00237)	0.00234 R	ND (0.00236)	ND (0.0023)	ND (0.00219)	ND (0.00223)	ND (0.00243)	ND (0.00226) J	ND (0.00224)	0.00244 R	ND (0.00224)	ND (0.00228)	ND (0.00224)	ND (0.00229)	ND (0.00236)
Endrin ketone	NA	NA	NA	ND (0.00182)	ND (0.00171)	ND (0.00186)	ND (0.0019)	ND (0.00184)	ND (0.0019)	ND (0.00178)	ND (0.0019)	0.00187 R	ND (0.00189)	ND (0.00184)	ND (0.00176)	ND (0.00178)	ND (0.00195)	ND (0.00181) J	ND (0.00179)	0.00196 R	ND (0.00179)	ND (0.00182)	ND (0.0018)	ND (0.00183)	ND (0.00189)
gamma-BHC (Lindane)	0.05	0.21	0.025	ND (0.000757)	ND (0.000711)	ND (0.000776)	ND (0.00079)	ND (0.000766)	ND (0.000791)	ND (0.000744)	ND (0.000792)	0.000779 R	ND (0.000786)	ND (0.000765)	ND (0.000732)	ND (0.000744)	ND (0.000811)	ND (0.000753) J	ND (0.000746)	0.000815 R	ND (0.000746)	ND (0.000759)	ND (0.000748)	ND (0.000764)	ND (0.000788)
gamma-Chlordane (trans)	NA	NA	NA	ND (0.00227)	ND (0.00213)	ND (0.00233)	ND (0.00237)	ND (0.0023)	ND (0.00237)	0.0052	0.00339 J	0.00156 J-	ND (0.00236)	ND (0.0023)	ND (0.00219)	0.00352 J	ND (0.00243)	ND (0.00226) J	ND (0.00224)	0.00244 R	ND (0.00224)	ND (0.00228)	ND (0.00224) J	ND (0.00229)	ND (0.00236)
Heptachlor	0.38	0.53	0.013	ND (0.000908)	ND (0.000853)	ND (0.000932)	ND (0.000948)	ND (0.00092)	ND (0.000949)	ND (0.000893)	ND (0.00095)	0.000935 R	ND (0.000944)	ND (0.000918)	ND (0.000878)	ND (0.000893)	ND (0.000973)	ND (0.000903) J	ND (0.000895)	0.000978 R	ND (0.000895)	ND (0.000911)	ND (0.000898)	ND (0.000917)	ND (0.000946)
Heptachlor epoxide	NA	NA	NA	ND (0.0034)	ND (0.0032)	ND (0.00349)	ND (0.00356)	ND (0.00345)	ND (0.00356)	ND (0.00335)	ND (0.00356)	0.0035 R	ND (0.00354)	ND (0.00344)	ND (0.00329)	ND (0.00335)	ND (0.00365)	ND (0.00339) J	ND (0.00336)	0.00367 R	ND (0.00336)	ND (0.00342)	ND (0.00337)	ND (0.00344)	ND (0.00354)
Methoxychlor	NA	NA	NA	ND (0.0034)	ND (0.0032)	ND (0.00349)	ND (0.00356)	ND (0.00345)	ND (0.00356)	ND (0.00335)	ND (0.00356)	0.0035 R	ND (0.00354)	ND (0.00344)	ND (0.00329)	ND (0.00335)	ND (0.00365)	ND (0.00339) J	ND (0.00336)	0.00367 R	ND (0.00336)	ND (0.00342)	ND (0.00337)	ND (0.00344)	ND (0.00354)
Toxaphene	NA	NA	NA	ND (0.034)	ND (0.032)	ND (0.0349)	ND (0.0356)	ND (0.0345)	ND (0.0356)	ND (0.0335)	ND (0.0356)	0.035 R	ND (0.0354)	ND (0.0344)	ND (0.0329)	ND (0.0335)	ND (0.0365)	ND (0.0339) J	ND (0.0336)	0.0367 R	ND (0.0336)	ND (0.0342)	ND (0.0337)	ND (0.0344)	ND (0.0354)
Polychlorinated Biphenyls (mg/kg)																									
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0548)	ND (0.0552)	ND (0.0573)	ND (0.058)	ND (0.0587)	ND (0.058)	ND (0.0546)	ND (0.0558)	ND (0.06)	ND (0.0582)	ND (0.0588)	ND (0.0524)	ND (0.0582)	ND (0.059)	ND (0.0571)	ND (0.0538)	ND (0.0576)	ND (0.0541)	ND (0.0561)	ND (0.055)	ND (0.0558)	ND (0.0554)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0548)	ND (0.0552)	ND (0.0573)	ND (0.058)	ND (0.0587)	ND (0.058)	ND (0.0546)	ND (0.0558)	ND (0.06)	ND (0.0582)	ND (0.0588)	ND (0.0524)	ND (0.0582)	ND (0.059)	ND (0.0571)	ND (0.0538)	ND (0.0576)	ND (0.0541)	ND (0.0561)	ND (0.055)	ND (0.0558)	ND (0.0554)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0548)	ND (0.0552)	ND (0.0573)	ND (0.058)	ND (0.0587)	ND (0.058)	ND (0.0546)	ND (0.0558)	ND (0.06)	ND (0.0582)	ND (0.0588)	ND (0.0524)	ND (0.0582)	ND (0.059)	ND (0.0571)	ND (0.0538)	ND (0.0576)	ND (0.0541)	ND (0.0561)	ND (0.055)	ND (0.0558)	ND (0.0554)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0548)	ND (0.0552)	ND (0.0573)	ND (0.058)	ND (0.0587)	ND (0.058)	ND (0.0546)	ND (0.0558)	ND (0.06)	ND (0.0582)	ND (0.0588)	ND (0.0524)	ND (0.0582)	ND (0.059)	ND (0.0571)	ND (0.0538)	ND (0.0576)	ND (0.0541)	ND (0.0561)	ND (0.055)	ND (0.0558)	ND (0.0554)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0548)	ND (0.0552)	ND (0.0573)	ND (0.058)	ND (0.0587)	ND (0.058)	ND (0.0546)	ND (0.0558)	ND (0.06)	ND (0.0582)	ND (0.0588)	ND (0.0524)	ND (0.0582)	ND (0

TABLE 3
SUMMARY OF SOIL QUALITY DATA
374 WALLABOUT STREET
BROOKLYN, NEW YORK
FILE NO. 0205892

	Criteria																						
Location Name				SB-01	SB-01	SB-01	SB-02	SB-02	SB-02	SB-03	SB-03	SB-03	SB-03	SB-03	SB-03	SB-04	SB-04	SB-04	SB-04	SB-04	SB-04	SB-05	SB-05	SB-05	SB-05
Sample Name				SB-01_6-8	SB-01_8-10	SB-01_13-15	SB-02_6-8	SB-02_8-10	SB-02_13-15	SB-03_0-2	SB-03_3-5	SB-03_7-9	SB-03_10-12	DUP-01_20250205	SB-03_13-15	SB-04_0-2	SB-04_3-5	SB-04_7-9	SB-04_13-15	SB-04_10-12	DUP-02_20250207	SB-05_0-2	SB-05_3-5	SB-05_7-9	SB-05_10-12
Sample Date	Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	Restricted Use Soil Cleanup Objectives - Residential 2025	Unrestricted Use Soil Cleanup Objectives 2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/06/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025	02/07/2025	02/07/2025	02/05/2025	02/05/2025	02/05/2025	02/05/2025
Lab Sample ID				L2506753-07 L2506754-07 L2510605-01	L2506753-08 L2506754-08	L2506753-09 L2506754-09	L2506753-01 L2506754-01	L2506753-02 L2506754-02	L2506753-03 L2506754-03	L2506454-01 L2506455-01 L2510605-02	L2506454-02 L2506455-02 L2510605-03	L2506454-03 L2506455-03 L2510605-04	L2506454-04 L2506455-04	L2506454-16 L2506455-16	L2506454-05 L2506455-05	L2506454-06 L2506455-06 L2510605-05	L2506454-07 L2506455-07 L2510605-06	L2506454-08 L2506455-08	L2506454-10 L2506455-10	L2507071-01 L2507087-01	L2507071-02 L2507087-02	L2506454-11 L2506455-11 L2510605-07	L2506454-12 L2506455-12 L2510605-08	L2506454-13 L2506455-13 L2510605-09	L2506454-14 L2506455-14 L2510605-10
Sample Depth (bgs)				6 - 8 (ft)	8 - 10 (ft)	13 - 15 (ft)	6 - 8 (ft)	8 - 10 (ft)	13 - 15 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	10 - 12 (ft)	10 - 12 (ft)	13 - 15 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	13 - 15 (ft)	10 - 12 (ft)	10 - 12 (ft)	0 - 2 (ft)	3 - 5 (ft)	7 - 9 (ft)	10 - 12 (ft)
Inorganic Compounds (mg/kg)																									
Aluminum	NA	NA	NA	7090	4380	3100	4840	3520	2900	4760	5520	3870	3090	2430	1860	4040	3830	6500	3600	4590	3650	5200	4960	4490	4760
Antimony	NA	NA	NA	ND (4.48)	ND (4.48)	ND (4.62)	ND (4.6)	ND (4.66)	ND (4.87)	ND (4.62)	ND (4.78)	ND (4.84)	ND (4.75)	ND (4.66)	ND (4.37)	ND (4.56)	ND (4.96)	ND (4.49)	ND (4.34)	ND (4.89)	ND (4.57)	ND (4.46)	ND (4.57)	ND (4.6)	ND (4.62)
Arsenic	16	16	13	5.47	0.854 J	1.05	0.594 J	0.517 J	1.88	8.2 J	10.4 J	2.49 J	1.97 J	1.12 J	0.914 J	6.81 J	6.2 J	0.583 J	1.37 J	0.706 J	0.539 J	9.69 J	6.68 J	5.21 J	2.56 J
Barium	820	410	410	73	21.6	12.4	20.5	17.5	17.7	221 J	259 J	48.2 J	22 J	12.1 J	8.71 J	181 J	121 J	38.5 J	16.5 J	41 J	20.3 J	155 J	203 J	113 J	91.9 J
Beryllium	47	43	4.4	0.387 J	0.256 J	0.194 J	0.266 J	0.1 J	0.16 J	0.385 J	0.385 J	0.21 J	0.375 J	0.329 J	0.3 J	0.308 J	0.268 J	0.417 J	0.328 J	0.201 J	0.135 J	0.303 J	0.345 J	0.359 J	0.318 J
Cadmium	7.5	2.5	2.5	0.119 J	0.056 J	ND (0.925)	0.08 J	0.057 J	ND (0.974)	0.254 J	0.352 J	0.072 J	0.151 J	0.101 J	0.221 J	ND (0.912)	0.08 J	ND (0.898)	ND (0.869)	ND (0.978)	ND (0.913)	0.244 J	0.243 J	0.147 J	0.097 J
Calcium	NA	NA	NA	3020	1210	493	528	542	1510	10300	10600	1800	857	580	495	25800	4360	554	11700	1020 J	594 J	35100	16300	3930	3780
Chromium	NA	110	30	10.8	9.01	9.72	11.7	12.4	10.4	16	15.9	13.4	14.6	10.3	8.77	12.5	11.3	20.4	21.3	12.6	12.2	32	19.8	12.9	12.9
Chromium VI (Hexavalent)	19	1	1	ND (0.932)	ND (0.908)	0.239 J	ND (0.979)	ND (0.957)	ND (0.99)	ND (0.931)	ND (0.971)	ND (0.968)	ND (0.991)	ND (0.958)	0.228 J	ND (0.951)	1.09 J+	ND (0.936)	ND (0.913)	ND (1.01)	ND (0.932)	ND (0.917)	ND (0.917)	ND (0.95)	ND (0.973)
Cobalt	NA	NA	NA	3.38	4.17	2.4	3.36	1.67 J	4.49	4.37	5.72	2.39	1.59 J	1.3 J	1.14 J	3.98	2.71	2.14	2.51	2.34	1.68 J	4.16	3.85	4.09	4.4
Copper	1720	280	50	22.3	8.06	5.86	7.96	5.11	6.6	72.7	73	11.8	7.27	6.64	4.71	37	44.1	7.84	10.6	7.05	6.37	79.8	47	32.8	33.7
Iron	NA	NA	NA	8570	7840	8130	10700	7240	5780	13600 J	14000 J	18600 J	21500 J	18100 J	20600 J	6560 J	9020 J	4390 J	12600 J	4930	4230	12200 J	12100 J	12900 J	11900 J
Lead	450	400	63	178	3.95 J	2.48 J	4.21 J	3.44 J	7.51	***656 J***	***505 J***	***454 J***	3.34 J	2.28 J	1.73 J	301 J	204 J	6.58 J	10.1 J	8.56	4.01 J	***550 J***	365 J	139 J	124 J
Magnesium	NA	NA	NA	1030	1240	937	1070	1130	1370	1430	2100	1030	710	642	451	1930	735	1010	1540	1320	1070	3260	2240	1450	1560
Manganese	2000	2000	1600	96.8	82.7	78.8	43.6	33.5	49.6	164 J	218 J	74 J	54.2 J	48 J	37.6 J	123 J	81.7 J	19.9 J	102 J	31.5	29.2	213 J	157 J	112 J	130 J
Mercury	0.73	0.3	0.18	0.615	ND (0.079)	ND (0.077)	ND (0.086)	ND (0.096)	ND (0.078)	***1.88 J***	***1.36 J***	0.399 J	ND (0.08) J	ND (0.085) J	ND (0.074) J	***3.06 J***	***1.29 J***	ND (0.074) J	ND (0.08) J	0.086	ND (0.074)	***0.95 J***	***1.04 J***	0.06 J	0.315 J
Nickel	130	320	30	9.2	8.63	6.32	7.1	5.38	12.4	11.2 J	13.8 J	7.58 J	7.71 J	6.35 J	4.7 J	8.85 J	6.94 J	8.28 J	10.3 J	7.56	6.61	13.5 J	11.2 J	10.4 J	10.4 J
Potassium	NA	NA	NA	634	337	240	272	333	402	566	824	309	216 J	210 J	191 J	619	308	302	1390	262	302	708	624	487	469
Selenium	4	110	3.9	0.325 J	ND (1.79)	ND (1.85)	ND (1.84)	ND (1.87)	0.48 J	0.588 J	1.24 J	ND (1.94)	0.412 J	ND (1.86)	ND (1.75)	0.767 J	0.678 J	ND (1.8)	ND (1.74)	ND (1.96)	ND (1.83)	0.422 J	ND (1.83)	0.55 J	ND (1.85)
Silver	8.3	110	2	ND (0.448)	ND (0.448)	ND (0.462)	ND (0.46)	ND (0.466)	ND (0.487)	0.396 J	0.305 J	ND (0.484)	ND (0.475)	ND (0.466)	ND (0.437)	ND (0.456)	ND (0.496)	ND (0.449)	ND (0.434)	ND (0.489)	ND (0.457)	0.338 J	0.328 J	ND (0.46)	ND (0.462)
Sodium	NA	NA	NA	106 J	ND (179)	ND (185)	ND (184)	ND (187)	ND (195)	129 J	150 J	ND (194)	ND (190)	ND (186)	ND (175)	220	ND (198)	ND (180)	227	ND (196)	ND (183)	182	ND (183)	ND (184)	ND (185)
Thallium	NA	NA	NA	ND (1.79)	ND (1.79)	ND (1.85)	ND (1.84)	ND (1.87)	ND (1.95)	ND (1.85)	ND (1.91)	ND (1.94)	ND (1.9)	ND (1.86)	ND (1.75)	ND (1.82)	ND (1.98)	ND (1.8)	ND (1.74)	ND (1.96)	ND (1.83)	ND (1.79)	ND (1.83)	ND (1.84)	ND (1.85)
Vanadium	NA	NA	NA	14.9	13.9	16.5	16.8	8.21	13.8	22.8 J	25 J	12.5 J	16.7 J	14.6 J	11.3 J	18.1 J	14.9 J	20.2 J	22.3 J	13.2	10.2	21.1 J	19.4 J	19.4 J	18.1 J
Zinc	2480	6600	109	98	13.5	11.7	40.8	13.2	21.2	245	366	27.7	13.8	11.7	8.71	117	122	27.7	35	23.8 J	15.1 J	284	187	94.8	79.6
TCLP Inorganic Compounds (mg/L)																									
Lead	NA	NA	NA	0.0882 J	-	-	-	-	-	0.428 J	1.34	0.216 J	-	-	-	0.147 J	0.393 J	-	-	-	-	1.04	1.57	0.122 J	0.428 J
Other																									
Total Solids (%)	NA	NA	NA	85.8	88.1	83.8	81.7	83.6	80.8	85.9	82.4	82.6	80.7	83.5	87.9	84.1	80.5	85.5	87.6	79.5	85.8	87.2	87.2	84.2	82.2
Cyanide (mg/kg)	40	13	2.3	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.2)	0.28 J	0.71 J	0.68 J	ND (1.2)	ND (1.1)	ND (1.1)	0.54 J	11	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)	ND (1.1)	ND (1)	ND (1.2)	0.42 J

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram

-: Not Analyzed
bgs: below ground surface
ft: feet
J-: Value is estimated, low bias.
J+: Value is estimated, high bias.
J: Value is estimated.
R: Rejected
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted-Use Residential SCOs, and Protection of Groundwater SCO's.
- **Black bold** values indicate an exceedance of the Protection of Groundwater Criteria, only applied to compounds that exceeded in the NY- Ambient Water Quality Standards in groundwater data.
- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.
- Yellow shading indicates an exceedance of the Restricted Use Residential Soil Cleanup Objectives.
- Total chromium results are compared to the trivalent chromium SCOs.

TABLE 3
SUMMARY OF SOIL QUALITY DATA
374 WALLABOUT STREET
BROOKLYN, NEW YORK
FILE NO. 0205892

	Criteria					
Location Name				SB-06	SB-06	SB-06
Sample Name				SB-06_6-7	SB-06_7-9	SB-06_13-15
Sample Date	Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	Restricted Use Soil Cleanup Objectives - Residential 2025	Unrestricted Use Soil Cleanup Objectives 2025	02/06/2025	02/06/2025	02/06/2025
Lab Sample ID				L2506753-04 L2506754-04	L2506753-05 L2506754-05	L2506753-06 L2506754-06
Sample Depth (bgs)				6 - 7 (ft)	7 - 9 (ft)	13 - 15 (ft)
Volatile Organic Compounds (mg/kg)						
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND (0.00054)	ND (0.00054)	ND (0.00049)
1,1,1-Trichloroethane	0.68	100	0.68	ND (0.00054)	ND (0.00054)	ND (0.00049)
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND (0.00054)	ND (0.00054)	ND (0.00049)
1,1,2-Trichloroethane	NA	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00098)
1,1-Dichloroethane	0.27	47	0.27	ND (0.0011)	ND (0.0011)	ND (0.00098)
1,1-Dichloroethene	0.33	0.98	0.24	ND (0.0011)	ND (0.0011)	ND (0.00098)
1,1-Dichloropropene	NA	NA	NA	ND (0.00054)	ND (0.00054)	ND (0.00049)
1,2,3-Trichlorobenzene	NA	NA	NA	ND (0.0022)	ND (0.0022)	ND (0.002)
1,2,3-Trichloropropane	NA	NA	NA	ND (0.0022)	ND (0.0022)	ND (0.002)
1,2,4,5-Tetramethylbenzene	NA	NA	NA	ND (0.0022)	ND (0.0022)	ND (0.002)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.0022)	ND (0.0022)	ND (0.002)
1,2,4-Trimethylbenzene	5.9	100	5.9	ND (0.0022)	ND (0.0022)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND (0.0033)	ND (0.0033)	ND (0.0029)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00098)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.0022)	ND (0.0022)	ND (0.002)
1,2-Dichloroethane	0.02	5.8	0.02	ND (0.0011)	ND (0.0011)	ND (0.00098)
1,2-Dichloroethene (total)	NA	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00098)
1,2-Dichloropropane	NA	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00098)
1,3,5-Trimethylbenzene	3.1	100	3.1	ND (0.0022)	ND (0.0022)	ND (0.002)
1,3-Dichlorobenzene	2.6	38	2.6	ND (0.0022)	ND (0.0022)	ND (0.002)
1,3-Dichloropropane	NA	NA	NA	ND (0.0022)	ND (0.0022)	ND (0.002)
1,3-Dichloropropene	NA	NA	NA	ND (0.00054)	ND (0.00054)	ND (0.00049)
1,4-Dichlorobenzene	1.8	24	1.8	ND (0.0022)	ND (0.0022)	ND (0.002)
1,4-Diethylbenzene	NA	NA	NA	ND (0.0022)	ND (0.0022)	ND (0.002)
1,4-Dioxane	0.1	5.7	0.1	ND (0.087)	ND (0.087)	ND (0.078)
2,2-Dichloropropane	NA	NA	NA	ND (0.0022)	ND (0.0022)	ND (0.002)
2-Butanone (Methyl Ethyl Ketone)	0.1	100	0.1	ND (0.011)	ND (0.011)	ND (0.0098)
2-Chlorotoluene	NA	NA	NA	ND (0.0022)	ND (0.0022)	ND (0.002)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	ND (0.011)	ND (0.011)	ND (0.0098)
2-Phenylbutane (sec-Butylbenzene)	25	100	25	ND (0.0011)	ND (0.0011)	ND (0.00098)
4-Chlorotoluene	NA	NA	NA	ND (0.0022)	ND (0.0022)	ND (0.002)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	ND (0.0022)	ND (0.0022)	ND (0.002)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND (0.011)	ND (0.011)	ND (0.0098)
Acetone	0.03	100	0.03	ND (0.011)	ND (0.011)	ND (0.0098)
Acrylonitrile	NA	NA	NA	ND (0.0044)	ND (0.0044)	ND (0.0039)
Benzene	0.06	3.7	0.06	ND (0.00054)	ND (0.00054)	ND (0.00049)
Bromobenzene	NA	NA	NA	ND (0.0022)	ND (0.0022)	ND (0.002)
Bromodichloromethane	NA	NA	NA	ND (0.00054)	ND (0.00054)	ND (0.00049)
Bromoform	NA	NA	NA	ND (0.0044)	ND (0.0044)	ND (0.0039)
Bromomethane (Methyl Bromide)	NA	NA	NA	ND (0.0022)	ND (0.0022)	ND (0.002)
Carbon disulfide	NA	NA	NA	ND (0.011)	ND (0.011)	ND (0.0098)
Carbon tetrachloride	0.76	7.1	0.76	ND (0.0011)	ND (0.0011)	ND (0.00098)
Chlorobenzene	4.5	100	4.5	ND (0.00054)	ND (0.00054)	ND (0.00049)
Chlorobromomethane	NA	NA	NA	ND (0.0022)	ND (0.0022)	ND (0.002)
Chloroethane	NA	NA	NA	ND (0.0022)	ND (0.0022)	ND (0.002)
Chloroform (Trichloromethane)	0.37	24	0.37	ND (0.0016)	ND (0.0016)	ND (0.0015)
Chloromethane (Methyl Chloride)	NA	NA	NA	ND (0.0044)	ND (0.0044)	ND (0.0039)
cis-1,2-Dichloroethene	0.19	41	0.19	ND (0.0011)	ND (0.0011)	ND (0.00098)
cis-1,3-Dichloropropene	NA	NA	NA	ND (0.00054)	ND (0.00054)	ND (0.00049)
Cymene (p-Isopropyltoluene)	NA	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00098)
Dibromochloromethane	NA	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00098)
Dibromomethane	NA	NA	NA	ND (0.0022)	ND (0.0022)	ND (0.002)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND (0.011)	ND (0.011)	ND (0.0098)
Ethyl Ether	NA	NA	NA	ND (0.0022)	ND (0.0022)	ND (0.002)
Ethylbenzene	1	76	1	ND (0.0011)	ND (0.0011)	ND (0.00098)
Hexachlorobutadiene	NA	NA	NA	ND (0.0044)	ND (0.0044)	ND (0.0039)
Isopropylbenzene (Cumene)	NA	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00098)
m,p-Xylenes	NA	NA	NA	ND (0.0022)	ND (0.0022)	ND (0.002)
Methyl Tert Butyl Ether (MTBE)	0.1	100	0.1	ND (0.0022)	ND (0.0022)	ND (0.002)
Methylene chloride (Dichloromethane)	0.05	81	0.05	ND (0.0054)	ND (0.0054)	ND (0.0049)
Naphthalene	12	100	12	ND (0.0044)	ND (0.0044)	ND (0.0039)
n-Butylbenzene	18	100	18	ND (0.0011)	ND (0.0011)	ND (0.00098)
n-Propylbenzene	5	100	5	ND (0.0011)	ND (0.0011)	ND (0.00098)
o-Xylene	NA	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00098)
Styrene	NA	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00098)
tert-Butylbenzene	11	100	11	ND (0.0022)	ND (0.0022)	ND (0.002)
Tetrachloroethene	1.3	18	1.3	ND (0.00054)	ND (0.00054)	ND (0.00049)
Toluene	0.7	100	0.7	ND (0.0011)	ND (0.0011)	ND (0.00098)
trans-1,2-Dichloroethene	0.19	100	0.19	ND (0.0016)	ND (0.0016)	ND (0.0015)
trans-1,3-Dichloropropene	NA	NA	NA	ND (0.0011)	ND (0.0011)	ND (0.00098)
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND (0.0054)	ND (0.0054)	ND (0.0049)
Trichloroethene	0.47	6.4	0.47	ND (0.00054)	ND (0.00054)	ND (0.00049)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND (0.0044)	ND (0.0044)	ND (0.0039)
Vinyl acetate	NA	NA	NA	ND (0.011)	ND (0.011)	ND (0.0098)
Vinyl chloride	0.03	0.48	0.03	ND (0.0011)	ND (0.0011)	ND (0.00098)
Xylene (Total)	1.2	100	0.26	ND (0.0011)	ND (0.0011)	ND (0.00098)

TABLE 3
SUMMARY OF SOIL QUALITY DATA
374 WALLABOUT STREET
BROOKLYN, NEW YORK
FILE NO. 0205892

	Criteria					
Location Name				SB-06	SB-06	SB-06
Sample Name				SB-06_6-7	SB-06_7-9	SB-06_13-15
Sample Date	Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	Restricted Use Soil Cleanup Objectives - Residential 2025	Unrestricted Use Soil Cleanup Objectives 2025	02/06/2025	02/06/2025	02/06/2025
Lab Sample ID				L2506753-04 L2506754-04	L2506753-05 L2506754-05	L2506753-06 L2506754-06
Sample Depth (bgs)				6 - 7 (ft)	7 - 9 (ft)	13 - 15 (ft)
Semi-Volatile Organic Compounds (mg/kg)						
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
1,2,4-Trichlorobenzene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
1,2-Dichlorobenzene	1.1	100	1.1	ND (0.19)	ND (0.19)	ND (0.19)
1,3-Dichlorobenzene	2.6	38	2.6	ND (0.19)	ND (0.19)	ND (0.19)
1,4-Dichlorobenzene	1.8	24	1.8	ND (0.19)	ND (0.19)	ND (0.19)
1,4-Dioxane	0.1	5.7	0.1	ND (0.028)	ND (0.028)	ND (0.029)
2,2'-oxybis(1-Chloropropane)	NA	NA	NA	ND (0.22)	ND (0.23)	ND (0.23)
2,4,5-Trichlorophenol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
2,4,6-Trichlorophenol	NA	NA	NA	ND (0.11)	ND (0.11)	ND (0.12)
2,4-Dichlorophenol	NA	NA	NA	ND (0.17)	ND (0.17)	ND (0.17)
2,4-Dimethylphenol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
2,4-Dinitrophenol	NA	NA	NA	ND (0.9)	ND (0.91)	ND (0.92)
2,4-Dinitrotoluene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
2,6-Dinitrotoluene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
2-Chloronaphthalene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
2-Chlorophenol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
2-Methylnaphthalene	NA	NA	NA	ND (0.22)	ND (0.23)	ND (0.23)
2-Methylphenol (o-Cresol)	0.33	100	0.33	ND (0.19)	ND (0.19)	ND (0.19)
2-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
2-Nitrophenol	NA	NA	NA	ND (0.4)	ND (0.41)	ND (0.41)
3&4-Methylphenol	NA	NA	NA	ND (0.27)	ND (0.27)	ND (0.28)
3,3'-Dichlorobenzidine	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
3-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND (0.49)	ND (0.5)	ND (0.5)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
4-Chloro-3-methylphenol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
4-Chloroaniline	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
4-Nitroaniline	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
4-Nitrophenol	NA	NA	NA	ND (0.26)	ND (0.27)	ND (0.27)
Acenaphthene	98	100	20	ND (0.15)	ND (0.15)	ND (0.15)
Acenaphthylene	365	100	100	ND (0.15)	ND (0.15)	ND (0.15)
Acetophenone	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
Anthracene	1000	100	100	ND (0.11)	ND (0.11)	ND (0.12)
Benzo(a)anthracene	1	1.4	1	ND (0.11)	ND (0.11)	ND (0.12)
Benzo(a)pyrene	22	1	1	ND (0.15)	ND (0.15)	ND (0.15)
Benzo(b)fluoranthene	2.1	1.4	1	ND (0.11)	ND (0.11)	ND (0.12)
Benzo(g,h,i)perylene	1000	4.9	0.64	ND (0.15)	ND (0.15)	ND (0.15)
Benzo(k)fluoranthene	2	4.9	0.8	ND (0.11)	ND (0.11)	ND (0.12)
Benzoic acid	NA	NA	NA	ND (0.61)	ND (0.62)	ND (0.62)
Benzyl Alcohol	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
Biphenyl	NA	NA	NA	ND (0.43)	ND (0.43)	ND (0.44)
bis(2-Chloroethoxy)methane	NA	NA	NA	ND (0.2)	ND (0.2)	ND (0.21)
bis(2-Chloroethyl)ether	NA	NA	NA	ND (0.17)	ND (0.17)	ND (0.17)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
Butyl benzylphthalate (BBP)	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
Carbazole	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
Chrysene	1	4.9	1	ND (0.11)	ND (0.11)	ND (0.12)
Dibenz(a,h)anthracene	1000	0.33	0.33	ND (0.11)	ND (0.11)	ND (0.12)
Dibenzofuran	110	18	2.1	ND (0.19)	ND (0.19)	ND (0.19)
Diethyl phthalate	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
Dimethyl phthalate	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
Di-n-butylphthalate (DBP)	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
Di-n-octyl phthalate (DnOP)	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
Fluoranthene	1000	100	85	ND (0.11)	ND (0.11)	ND (0.12)
Fluorene	386	100	30	ND (0.19)	ND (0.19)	ND (0.19)
Hexachlorobenzene	3.2	0.33	0.33	ND (0.11)	ND (0.11)	ND (0.12)
Hexachlorobutadiene	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
Hexachlorocyclopentadiene	NA	NA	NA	ND (0.54)	ND (0.54)	ND (0.55)
Hexachloroethane	NA	NA	NA	ND (0.15)	ND (0.15)	ND (0.15)
Indeno(1,2,3-cd)pyrene	6.6	1.4	0.5	ND (0.15)	ND (0.15)	ND (0.15)
Isophorone	NA	NA	NA	ND (0.17)	ND (0.17)	ND (0.17)
Naphthalene	12	100	12	ND (0.19)	ND (0.19)	ND (0.19)
Nitrobenzene	0.08	1.8	0.08	ND (0.17)	ND (0.17)	ND (0.17)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND (0.19)	ND (0.19)	ND (0.19)
N-Nitrosodiphenylamine	NA	NA	NA	ND (0.15)	ND (0.15)	ND (0.15)
Pentachlorophenol	0.8	1.3	0.8	ND (0.15)	ND (0.15)	ND (0.15)
Phenanthrene	1000	4.9	1.1	ND (0.11)	ND (0.11)	ND (0.12)
Phenol	0.33	100	0.33	ND (0.19)	ND (0.19)	ND (0.19)
Pyrene	1000	100	64	ND (0.11)	ND (0.11)	ND (0.12)

TABLE 3
SUMMARY OF SOIL QUALITY DATA
374 WALLABOUT STREET
BROOKLYN, NEW YORK
FILE NO. 0205892

	Criteria					
Location Name				SB-06	SB-06	SB-06
Sample Name				SB-06_6-7	SB-06_7-9	SB-06_13-15
Sample Date	Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	Restricted Use Soil Cleanup Objectives - Residential 2025	Unrestricted Use Soil Cleanup Objectives 2025	02/06/2025	02/06/2025	02/06/2025
Lab Sample ID				L2506753-04 L2506754-04	L2506753-05 L2506754-05	L2506753-06 L2506754-06
Sample Depth (bgs)				6 - 7 (ft)	7 - 9 (ft)	13 - 15 (ft)
PFAS (ng/g)						
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	NA	NA	ND (0.796)	ND (0.799)	ND (0.8)
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	NA	NA	ND (4.98)	ND (4.99)	ND (5)
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	NA	NA	ND (4.98)	ND (4.99)	ND (5)
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	NA	NA	ND (0.996)	ND (0.999)	ND (1)
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	NA	NA	ND (0.796)	ND (0.799)	ND (0.8)
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	NA	ND (0.796)	ND (0.799)	ND (0.8)
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	NA	ND (0.796)	ND (0.799)	ND (0.8)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	NA	ND (0.796)	ND (0.799)	ND (0.8)
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	NA	NA	ND (0.796)	ND (0.799)	ND (0.8)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	NA	NA	ND (1.99)	ND (2)	ND (2)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	NA	NA	ND (1.99)	ND (2)	ND (2)
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	NA	ND (0.398)	ND (0.4)	ND (0.4)
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	NA	NA	ND (0.398)	ND (0.4)	ND (0.4)
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	NA	NA	ND (0.398)	ND (0.4)	ND (0.4)
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	NA	NA	ND (0.796)	ND (0.799)	ND (0.8)
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	NA	ND (0.398)	ND (0.4)	ND (0.4)
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
Perfluorobutanoic acid (PFBA)	NA	NA	NA	ND (0.796)	ND (0.799)	ND (0.8)
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
Perfluorodecanoic acid (PFDA)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
Perfluorododecane sulfonic acid (PFDoDS)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
Perfluorododecanoic acid (PFDoDA)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	0.019 J	ND (0.2)	ND (0.2)
Perfluorononane sulfonic acid (PFNS)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
Perfluorononanoic acid (PFNA)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
Perfluorooctane sulfonamide (PFOSA)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
Perfluorooctanesulfonic acid (PFOS)	1	44	0.88	0.134 J	0.067 J	0.048 J
Perfluorooctanoic acid (PFOA)	0.8	33	0.66	0.049 J	0.028 J	ND (0.2)
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	ND (0.398)	ND (0.4)	ND (0.4)
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
Perfluoroundecanoic acid (PFUnDA)	NA	NA	NA	ND (0.199)	ND (0.2)	ND (0.2)
Pesticides (mg/kg)						
4,4'-DDD	14	5	0.0033	ND (0.00179)	ND (0.00182)	ND (0.00178)
4,4'-DDE	9.3	3.4	0.0033	ND (0.00179)	ND (0.00182)	ND (0.00178)
4,4'-DDT	135	3.8	0.0033	ND (0.00179)	ND (0.00182)	ND (0.00178)
Aldrin	0.19	0.044	0.0048	ND (0.00179)	ND (0.00182)	ND (0.00178)
alpha-BHC	0.02	0.18	0.02	ND (0.000747)	ND (0.000759)	ND (0.000743)
alpha-Chlordane (cis)	4.5	0.65	0.014	ND (0.00224)	ND (0.00228)	ND (0.00223)
beta-BHC	0.09	0.18	0.021	ND (0.00179)	ND (0.00182)	ND (0.00178)
Chlordane	NA	NA	NA	ND (0.0149)	ND (0.0152)	ND (0.0149)
delta-BHC	0.1	100	0.04	ND (0.00179)	ND (0.00182)	ND (0.00178)
Dieldrin	0.1	0.075	0.005	ND (0.00112)	ND (0.00114)	ND (0.00111)
Endosulfan I	65	35	4.3	ND (0.00179)	ND (0.00182)	ND (0.00178)
Endosulfan II	44	35	4.3	ND (0.00179)	ND (0.00182)	ND (0.00178)
Endosulfan sulfate	47	35	4.3	ND (0.000747)	ND (0.000759)	ND (0.000743)
Endrin	0.06	5.3	0.014	ND (0.000747)	ND (0.000759)	ND (0.000743)
Endrin aldehyde	NA	NA	NA	ND (0.00224)	ND (0.00228)	ND (0.00223)
Endrin ketone	NA	NA	NA	ND (0.00179)	ND (0.00182)	ND (0.00178)
gamma-BHC (Lindane)	0.05	0.21	0.025	ND (0.000747)	ND (0.000759)	ND (0.000743)
gamma-Chlordane (trans)	NA	NA	NA	ND (0.00224)	ND (0.00228)	ND (0.00223)
Heptachlor	0.38	0.53	0.013	ND (0.000897)	ND (0.000911)	ND (0.000892)
Heptachlor epoxide	NA	NA	NA	ND (0.00336)	ND (0.00341)	ND (0.00334)
Methoxychlor	NA	NA	NA	ND (0.00336)	ND (0.00341)	ND (0.00334)
Toxaphene	NA	NA	NA	ND (0.0336)	ND (0.0341)	ND (0.0334)
Polychlorinated Biphenyls (mg/kg)						
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND (0.0556)	ND (0.0553)	ND (0.0567)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND (0.0556)	ND (0.0553)	ND (0.0567)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND (0.0556)	ND (0.0553)	ND (0.0567)
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND (0.0556)	ND (0.0553)	ND (0.0567)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND (0.0556)	ND (0.0553)	ND (0.0567)
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND (0.0556)	ND (0.0553)	ND (0.0567)
Aroclor-1260 (PCB-1260)	NA	NA	NA	ND (0.0556)	ND (0.0553)	ND (0.0567)
Aroclor-1262 (PCB-1262)	NA	NA	NA	ND (0.0556)	ND (0.0553)	ND (0.0567)
Aroclor-1268 (PCB-1268)	NA	NA	NA	ND (0.0556)	ND (0.0553)	ND (0.0567)
Polychlorinated biphenyls (PCBs)	3.2	1	0.1	ND (0.0556)	ND (0.0553)	ND (0.0567)

TABLE 3
SUMMARY OF SOIL QUALITY DATA
374 WALLABOUT STREET
BROOKLYN, NEW YORK
FILE NO. 0205892

	Criteria					
Location Name				SB-06	SB-06	SB-06
Sample Name				SB-06_6-7	SB-06_7-9	SB-06_13-15
Sample Date	Restricted Use Soil Cleanup Objectives - Protection of Groundwater 2025	Restricted Use Soil Cleanup Objectives - Residential 2025	Unrestricted Use Soil Cleanup Objectives 2025	02/06/2025	02/06/2025	02/06/2025
Lab Sample ID				L2506753-04 L2506754-04	L2506753-05 L2506754-05	L2506753-06 L2506754-06
Sample Depth (bgs)				6 - 7 (ft)	7 - 9 (ft)	13 - 15 (ft)
Inorganic Compounds (mg/kg)						
Aluminum	NA	NA	NA	7840	5080	1790
Antimony	NA	NA	NA	ND (4.47)	ND (4.56)	ND (4.61)
Arsenic	16	16	13	1.53	1.15	0.896 J
Barium	820	410	410	20.3	15.4	7.86
Beryllium	47	43	4.4	0.439 J	0.324 J	0.213 J
Cadmium	7.5	2.5	2.5	ND (0.894)	0.131 J	ND (0.921)
Calcium	NA	NA	NA	527	652	315
Chromium	NA	110	30	15.4	13.8	7.72
Chromium VI (Hexavalent)	19	1	1	ND (0.916)	ND (0.927)	ND (0.95)
Cobalt	NA	NA	NA	3.87	3.42	1.6 J
Copper	1720	280	50	7.87	8.82	2.81
Iron	NA	NA	NA	14600	15700	5530
Lead	450	400	63	4.38 J	4.33 J	1.91 J
Magnesium	NA	NA	NA	1560	1370	527
Manganese	2000	2000	1600	81.7	162	37.6
Mercury	0.73	0.3	0.18	ND (0.081)	ND (0.089)	ND (0.079)
Nickel	130	320	30	8.3	7.05	3.34
Potassium	NA	NA	NA	372	374	182 J
Selenium	4	110	3.9	ND (1.79)	ND (1.82)	ND (1.84)
Silver	8.3	110	2	ND (0.447)	ND (0.456)	ND (0.461)
Sodium	NA	NA	NA	ND (179)	ND (182)	ND (184)
Thallium	NA	NA	NA	ND (1.79)	ND (1.82)	ND (1.84)
Vanadium	NA	NA	NA	19.4	19.1	12.7
Zinc	2480	6600	109	19.5	15.8	7.31
TCLP Inorganic Compounds (mg/L)						
Lead	NA	NA	NA	-	-	-
Other						
Total Solids (%)	NA	NA	NA	87.3	86.3	84.2
Cyanide (mg/kg)	40	13	2.3	ND (1.1)	ND (1.1)	ND (1.2)

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram

-: Not Analyzed
bgs: below ground surface
ft: feet
J-: Value is estimated, low bias.
J+: Value is estimated, high bias.
J: Value is estimated.
R: Rejected
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), Restricted-Use Residential SCOs, and Protection of Groundwater SCO's.
- **Black bold** values indicate an exceedance of the Protection of Groundwater Criteria, only applied to compounds that exceeded in the NY- Ambient Water Quality Standards in groundwater data.
- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.
- Yellow shading indicates an exceedance of the Restricted Use Residential Soil Cleanup Objectives.
- Total chromium results are compared to the trivalent chromium SCOs.

TABLE 4
SUMMARY OF GROUNDWATER QUALITY DATA
374 WALLABOUT STREET
BROOKLYN, NEW YORK
FILE NO. 0205892

	Action Level					
Location Name	New York TOGS	MW-01	MW-01	MW-02	MW-03	MW-04
Sample Name	111 Ambient	MW-01_20250214	DUP-01_20250214	MW-02_20250214	MW-03_20250214	MW-04_20250214
Sample Date	Water Quality	02/14/2025	02/14/2025	02/14/2025	02/14/2025	02/14/2025
Lab Sample ID	Standards	L2508519-03	L2508519-04	L2508519-05	L2508519-06	L2508519-07
Volatile Organic Compounds (µg/L)						
1,1,1,2-Tetrachloroethane	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,1,1-Trichloroethane	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,1,2,2-Tetrachloroethane	5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,2-Trichloroethane	1	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)
1,1-Dichloroethane	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,1-Dichloroethene	5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.4 J
1,1-Dichloropropene	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2,3-Trichlorobenzene	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2,3-Trichloropropane	0.04	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2,4,5-Tetramethylbenzene	5	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
1,2,4-Trichlorobenzene	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2,4-Trimethylbenzene	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2-Dibromo-3-chloropropane (DBCP)	0.04	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
1,2-Dichlorobenzene	3	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,2-Dichloroethane	0.6	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethene (total)	NA	ND (2.5)	ND (2.5)	3.6	61 J	200
1,2-Dichloropropane	1	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,3,5-Trimethylbenzene	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,3-Dichlorobenzene	3	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,3-Dichloropropane	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,3-Dichloropropene	0.4	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,4-Dichlorobenzene	3	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,4-Diethylbenzene	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
1,4-Dioxane	0.35	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)
2,2-Dichloropropane	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
2-Butanone (Methyl Ethyl Ketone)	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Chlorotoluene	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
2-Hexanone (Methyl Butyl Ketone)	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Phenylbutane (sec-Butylbenzene)	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
4-Chlorotoluene	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acetone	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Acrylonitrile	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzene	1	ND (0.5)	ND (0.5)	ND (0.5)	0.47 J	**1.2**
Bromobenzene	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Bromodichloromethane	50	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Bromoform	50	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Bromomethane (Methyl Bromide)	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Carbon disulfide	60	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Carbon tetrachloride	5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chlorobenzene	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Chlorobromomethane	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Chloroethane	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Chloroform (Trichloromethane)	7	0.7 J	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Chloromethane (Methyl Chloride)	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
cis-1,2-Dichloroethene	5	ND (2.5)	ND (2.5)	3.6	**60**	**200**
cis-1,3-Dichloropropene	0.4	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Cymene (p-Isopropyltoluene)	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Dibromochloromethane	50	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Dibromomethane	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Dichlorodifluoromethane (CFC-12)	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Ethyl Ether	NA	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Ethylbenzene	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Hexachlorobutadiene	0.5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Isopropylbenzene (Cumene)	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
m,p-Xylenes	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Methyl Tert Butyl Ether (MTBE)	10	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Methylene chloride (Dichloromethane)	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Naphthalene	10	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
n-Butylbenzene	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
n-Propylbenzene	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
o-Xylene	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Styrene	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
tert-Butylbenzene	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Tetrachloroethene	5	0.43 J	0.39 J	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
trans-1,2-Dichloroethene	5	ND (2.5)	ND (2.5)	ND (2.5)	1.4 J	2.7
trans-1,3-Dichloropropene	0.4	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
trans-1,4-Dichloro-2-butene	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5) J	ND (2.5)
Trichloroethene	5	ND (0.5)	0.18 J	0.39 J	0.29 J	0.19 J
Trichlorofluoromethane (CFC-11)	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Vinyl acetate	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Vinyl chloride	2	ND (1)	ND (1)	0.12 J	**29**	**48**
Xylene (Total)	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Semi-Volatile Organic Compounds (µg/L)						
1,2,4,5-Tetrachlorobenzene	5	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2,4-Trichlorobenzene	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2-Dichlorobenzene	3	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
1,3-Dichlorobenzene	3	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
1,4-Dichlorobenzene	3	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
2,2'-oxybis(1-Chloropropane)	5	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
2,4,5-Trichlorophenol	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4,6-Trichlorophenol	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4-Dichlorophenol	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4-Dimethylphenol	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,4-Dinitrophenol	10	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2,4-Dinitrotoluene	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2,6-Dinitrotoluene	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Chlorophenol	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
2-Methylphenol (o-Cresol)	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Nitroaniline	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Nitrophenol	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
3&4-Methylphenol	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
3,3'-Dichlorobenzidine	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
3-Nitroaniline	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4,6-Dinitro-2-methylphenol	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
4-Chloro-3-methylphenol	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
4-Chloroaniline	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Chlorophenyl phenyl ether	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
4-Nitroaniline	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Nitrophenol	NA	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Acetophenone	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzoic acid	NA	50 R	50 R	50 R	50 R	50 R
Benzyl Alcohol	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Biphenyl	5	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
bis(2-Chloroethoxy)methane	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
bis(2-Chloroethyl)ether	1	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
bis(2-Ethylhexyl)phthalate	5	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)
Butyl benzylphthalate (BBP)	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Carbazole	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Dibenzofuran	NA	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)

TABLE 4
SUMMARY OF GROUNDWATER QUALITY DATA
374 WALLABOUT STREET
BROOKLYN, NEW YORK
FILE NO. 0205892

	Action Level					
Location Name	New York TOGS	MW-01	MW-01	MW-02	MW-03	MW-04
Sample Name	111 Ambient	MW-01_20250214	DUP-01_20250214	MW-02_20250214	MW-03_20250214	MW-04_20250214
Sample Date	Water Quality	02/14/2025	02/14/2025	02/14/2025	02/14/2025	02/14/2025
Lab Sample ID	Standards	L2508519-03	L2508519-04	L2508519-05	L2508519-06	L2508519-07
Diethyl phthalate	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Dimethyl phthalate	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Di-n-butylphthalate (DBP)	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Di-n-octyl phthalate (DnOP)	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Hexachlorocyclopentadiene	5	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Isophorone	50	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Nitrobenzene	0.4	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
N-Nitrosodi-n-propylamine	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
N-Nitrosodiphenylamine	50	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Phenol	1	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Inorganic Compounds (µg/L)						
Aluminum, Dissolved	NA	14.5 J	12.2 J	31	ND (10)	5.68 J
Antimony, Dissolved	3	0.48 J	0.48 J	ND (4)	ND (4)	ND (4)
Arsenic, Dissolved	25	0.17 J	0.18 J	0.83	1.56	1.36
Barium, Dissolved	1000	63.83	65.64	66.08	110.5	120.2
Beryllium, Dissolved	3	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Cadmium, Dissolved	5	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	0.07 J
Calcium, Dissolved	NA	112000	113000	98400	94500	98400
Chromium, Dissolved	50	0.21 J	0.26 J	ND (1)	ND (1)	0.22 J
Chromium VI (Hexavalent), Dissolved	50	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Cobalt, Dissolved	NA	0.2 J	0.22 J	3.69	0.35 J	2.09
Copper, Dissolved	200	1.34	1.04	0.88 J	ND (1)	ND (1)
Iron, Dissolved	300	43.2 J	ND (50)	136	**1320**	**1900**
Lead, Dissolved	25	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Magnesium, Dissolved	35000	8540	8480	8930	16200	20800
Manganese, Dissolved	300	23.8	22.5	**630.5**	**682.2**	**887.2**
Mercury, Dissolved	0.7	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Nickel, Dissolved	100	0.9 J	0.96 J	12.14	4.26	5.69
Potassium, Dissolved	NA	7770	7960	11300	17400	18200
Selenium, Dissolved	10	**29.5**	**30.3**	ND (5)	ND (5)	ND (5)
Silver, Dissolved	50	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
Sodium, Dissolved	20000	**33800**	**33500**	**40500**	**70800**	**48200**
Thallium, Dissolved	0.5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium, Dissolved	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Zinc, Dissolved	2000	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Aluminum, Total	NA	143	97.3	150	36.7	65.9
Antimony, Total	3	0.51 J	0.49 J	ND (4)	1.28 J	ND (4)
Arsenic, Total	25	0.24 J	0.16 J	1.06	1.97	2.13
Barium, Total	1000	66.23	66.7	68.22	112.4	118.8
Beryllium, Total	3	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Cadmium, Total	5	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	0.07 J
Calcium, Total	NA	117000	118000	96200	98800	92400
Chromium, Total	50	0.73 J	0.65 J	0.66 J	0.51 J	0.64 J
Cobalt, Total	NA	0.33 J	0.3 J	3.78	0.41 J	2.02
Copper, Total	200	1.34	1.37	1.51	0.58 J	0.87 J
Iron, Total	300	208 J	134 J	**517**	**2180**	**4100**
Lead, Total	25	ND (1)	ND (1)	1.93	ND (1)	0.55 J
Magnesium, Total	35000	8690	8600	8740	16300	18900
Manganese, Total	300	27.2	26.19	**591.7**	**717.9**	**844.8**
Mercury, Total	0.7	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Nickel, Total	100	1 J	1.03 J	12.78	4.66	5.67
Potassium, Total	NA	8200	8250	11200	17800	18000
Selenium, Total	10	**34.3**	**33.4**	ND (5)	ND (5)	ND (5)
Silver, Total	50	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
Sodium, Total	20000	**36900**	**37000**	**42800**	**78000**	**48000**
Thallium, Total	0.5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium, Total	NA	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Zinc, Total	2000	ND (16.34)	13.52	ND (23.68)	ND (15.06)	ND (17.34)
PCBs (µg/L)						
Aroclor-1016 (PCB-1016)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)
Aroclor-1221 (PCB-1221)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)
Aroclor-1232 (PCB-1232)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)
Aroclor-1242 (PCB-1242)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	0.035 J
Aroclor-1248 (PCB-1248)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)
Aroclor-1254 (PCB-1254)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	0.035 J
Aroclor-1260 (PCB-1260)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)
Aroclor-1262 (PCB-1262)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)
Aroclor-1268 (PCB-1268)	NA	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)
Polychlorinated biphenyls (PCBs)	0.09	ND (0.071)	ND (0.071)	ND (0.071)	ND (0.071)	0.07 J
Other						
Cyanide, Total (µg/L)	200	ND (5)	ND (5)	**239**	ND (5)	ND (5)
Pesticides (µg/L)						
4,4'-DDD	0.3	ND (0.029) J	ND (0.029) J	ND (0.029) J	ND (0.029) J	ND (0.029) J
4,4'-DDE	0.2	ND (0.029) J	ND (0.029) J	ND (0.029) J	ND (0.029) J	ND (0.029) J
4,4'-DDT	0.2	ND (0.029) J	ND (0.029) J	ND (0.029) J	ND (0.029) J	ND (0.029) J
Aldrin	0	ND (0.014) J	ND (0.014) J	ND (0.014) J	ND (0.014) J	ND (0.014) J
alpha-BHC	0.01	ND (0.014) J	ND (0.014) J	ND (0.014) J	ND (0.014) J	ND (0.014) J
alpha-Chlordane (cis)	NA	ND (0.02) J	ND (0.02) J	ND (0.02) J	ND (0.02) J	ND (0.02) J
beta-BHC	0.04	ND (0.02) J	ND (0.02) J	ND (0.02) J	ND (0.02) J	ND (0.02) J
Chlordane	0.05	ND (0.143) J	ND (0.143) J	ND (0.143) J	ND (0.143) J	ND (0.143) J
delta-BHC	0.04	ND (0.014) J	ND (0.014) J	ND (0.014) J	ND (0.014) J	ND (0.014) J
Dieldrin	0.004	**0.006 J-**	ND (0.029) J	ND (0.029) J	ND (0.029) J	ND (0.029) J
Endosulfan I	NA	ND (0.014) J	ND (0.014) J	ND (0.014) J	ND (0.014) J	ND (0.014) J
Endosulfan II	NA	ND (0.029) J	ND (0.029) J	ND (0.029) J	ND (0.029) J	ND (0.029) J
Endosulfan sulfate	NA	ND (0.029) J	ND (0.029) J	ND (0.029) J	ND (0.029) J	ND (0.029) J
Endrin	0	ND (0.029) J	ND (0.029) J	ND (0.029) J	ND (0.029) J	ND (0.029) J
Endrin aldehyde	5	ND (0.03) J	ND (0.03) J	ND (0.03) J	ND (0.03) J	ND (0.03) J
Endrin ketone	5	ND (0.029) J	ND (0.029) J	ND (0.029) J	ND (0.029) J	ND (0.029) J
gamma-BHC (Lindane)	0.05	ND (0.014) J	ND (0.014) J	ND (0.014) J	ND (0.014) J	ND (0.014) J
gamma-Chlordane (trans)	NA	ND (0.02) J	ND (0.02) J	ND (0.02) J	ND (0.02) J	ND (0.02) J
Heptachlor	0.04	ND (0.014) J	ND (0.014) J	ND (0.014) J	ND (0.014) J	ND (0.014) J
Heptachlor epoxide	0.03	ND (0.014) J	ND (0.014) J	ND (0.014) J	ND (0.014) J	ND (0.014) J
Methoxychlor	35	ND (0.143) J	ND (0.143) J	ND (0.143) J	ND (0.143) J	ND (0.143) J
Toxaphene	0.06	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2) J	ND (0.2) J
PFAS (µg/L)						
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00655)	ND (0.00631)	ND (0.00629)	ND (0.00643)	ND (0.00662)
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.041)	ND (0.0395)	ND (0.0393)	ND (0.0402)	ND (0.0413)
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.041)	ND (0.0395)	ND (0.0393)	ND (0.0402)	ND (0.0413)
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00819)	ND (0.00789)	ND (0.00787)	ND (0.00804)	ND (0.00827)
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00655)	ND (0.00631)	ND (0.00629)	ND (0.00643)	ND (0.00662)
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00655)	ND (0.00631)	ND (0.00629) J	ND (0.00643) J	ND (0.00662) J
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00655)	ND (0.00631)	ND (0.00629)	ND (0.00643) J	ND (0.00662) J
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.00655)	ND (0.00631)	ND (0.00629)	ND (0.00643)	ND (0.00662)
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00655)	ND (0.00631)	ND (0.00629)	ND (0.00643)	ND (0.00662)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00164)	ND (0.00158)	ND (0.00157)	ND (0.00161)	ND (0.00165)
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00164)	ND (0.00158)	ND (0.00157)	ND (0.00161)	ND (0.00165)
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.0164)	ND (0.0158)	ND (0.0157)	ND (0.0161)	ND (0.0165)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00164)	ND (0.00158)	ND (0.00157)	ND (0.00161)	ND (0.00165)
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00164)	ND (0.00158)	ND (0.00157)	ND (0.00161)	ND (0.00165)
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.0164)	ND (0.0158)	ND (0.0157)	ND (0.0161)	ND (0.0165)
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00328)	ND (0.00316)	ND (0.00315)	ND (0.00322)	ND (0.00331)
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00328)	ND (0.00316)	ND (0.00315)	ND (0.00322)	ND (0.00331)
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00328)	ND (0.00316)	ND (0.00315)	ND (0.00322)	ND (0.00331)

TABLE 4
SUMMARY OF GROUNDWATER QUALITY DATA
374 WALLABOUT STREET
BROOKLYN, NEW YORK
FILE NO. 0205892

	Action Level					
Location Name	New York TOGS	MW-01	MW-01	MW-02	MW-03	MW-04
Sample Name	111 Ambient	MW-01_20250214	DUP-01_20250214	MW-02_20250214	MW-03_20250214	MW-04_20250214
Sample Date	Water Quality	02/14/2025	02/14/2025	02/14/2025	02/14/2025	02/14/2025
Lab Sample ID	Standards	L2508519-03	L2508519-04	L2508519-05	L2508519-06	L2508519-07
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00655)	ND (0.00631)	ND (0.00629)	ND (0.00643)	ND (0.00662)
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00328)	ND (0.00316)	ND (0.00315)	ND (0.00322)	ND (0.00331)
Perfluorobutanesulfonic acid (PFBS)	NA	0.00957	0.0101	0.0116	0.0239	0.00767
Perfluorobutanoic acid (PFBA)	NA	0.0184	0.0182	0.0175	0.0185	0.013
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00164)	ND (0.00158)	ND (0.00157)	ND (0.00161)	ND (0.00165)
Perfluorodecanoic acid (PFDA)	NA	0.00169	0.00166	0.000244 J	0.000676 J	0.000289 J
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00164)	ND (0.00158)	ND (0.00157)	ND (0.00161)	ND (0.00165)
Perfluorododecanoic acid (PFDoDA)	NA	ND (0.00164)	ND (0.00158)	ND (0.00157)	ND (0.00161)	ND (0.00165)
Perfluoroheptanesulfonic acid (PFHpS)	NA	0.0013 J	0.00154 J	ND (0.00157)	ND (0.00161)	ND (0.00165)
Perfluoroheptanoic acid (PFHpA)	NA	0.014	0.0162	0.0112	0.00698	0.009
Perfluorohexanesulfonic acid (PFHxS)	NA	0.00332	0.00344	0.00252 J+	0.00271 J+	0.00222 J+
Perfluorohexanoic acid (PFHxA)	NA	0.0241	0.0246	0.0183	0.0153	0.0134
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00164)	ND (0.00158)	ND (0.00157)	ND (0.00161)	ND (0.00165)
Perfluorononanoic acid (PFNA)	NA	0.00717	0.00698	0.00155 J	0.00174	0.00143 J
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00164)	ND (0.00158)	ND (0.00157)	ND (0.00161)	ND (0.00165)
Perfluorooctanesulfonic acid (PFOS)	0.0027	**0.0598**	**0.0665**	**0.00637**	**0.00809**	**0.00579**
Perfluorooctanoic acid (PFOA)	0.0067	**0.101**	**0.102**	**0.0544**	**0.0315**	**0.0378**
Perfluoropentanesulfonic acid (PFPeS)	NA	0.000565 J	0.00075 J	0.000496 J	0.000474 J	0.000678 J
Perfluoropentanoic acid (PFPeA)	NA	0.0298	0.0287	0.02	0.0207	0.014
Perfluorotetradecanoic acid (PFTeDA)	NA	ND (0.00164)	ND (0.00158)	ND (0.00157)	ND (0.00161)	ND (0.00165)
Perfluorotridecanoic acid (PFTrDA)	NA	ND (0.00164)	ND (0.00158)	ND (0.00157)	ND (0.00161)	ND (0.00165)
Perfluoroundecanoic acid (PFUnDA)	NA	ND (0.00164)	ND (0.00158)	ND (0.00157)	ND (0.00161)	ND (0.00165)
Semi-Volatile Organic Compounds (SIM) (µg/L)						
1,4-Dioxane	0.35	0.0392 J	ND (0.144)	0.265	**0.811**	**0.867**
2-Chloronaphthalene	10	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
2-Methylnaphthalene	NA	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Acenaphthene	20	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Acenaphthylene	NA	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Anthracene	50	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(a)anthracene	0.002	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(a)pyrene	0	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(b)fluoranthene	0.002	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(g,h,i)perylene	NA	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Benzo(k)fluoranthene	0.002	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Chrysene	0.002	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Dibenz(a,h)anthracene	NA	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Fluoranthene	50	ND (0.1)	ND (0.1)	0.03 J	ND (0.1)	ND (0.1)
Fluorene	50	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Hexachlorobenzene	0.04	ND (0.8)	0.02 J	ND (0.8)	ND (0.8)	0.02 J
Hexachlorobutadiene	0.5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Hexachloroethane	5	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
Indeno(1,2,3-cd)pyrene	0.002	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Naphthalene	10	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	0.03 J
Pentachlorophenol	1	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
Phenanthrene	50	ND (0.1)	ND (0.1)	0.04 J	ND (0.1)	ND (0.1)
Pyrene	50	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)

Notes and Abbreviations:

µg/L: micrograms per liter

-: Not Analyzed
J: Value is estimated.
J-: Value is estimatedm low bias.
J+: Value is estimated, high bias.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
R: Rejected

- For test methods used, see the laboratory data sheets.
- Groundwater analytical results are compared to NY-AWQS: NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA Water.
*- **Bold** indicates an exceedance of the AWQS criteria.*

TABLE 5
SUMMARY OF SOIL GAS QUALITY DATA
374 WALLABOUT STREET
BROOKLYN, NEW YORK
FILE NO. 0205892

Location Name	SV-01	SV-02	SV-03	SV-04	SV-05
Sample Name	SV-01-20250206	SV-02-20250207	SV-03-20250206	SV-04-20250207	SV-05-20250207
Sample Date	02/06/2025	02/07/2025	02/06/2025	02/07/2025	02/07/2025
Lab Sample ID	L2506756-02	L2507043-01	L2506756-01	L2507043-03	L2507043-02
Volatile Organic Compounds (ug/m^3)					
1,1,1-Trichloroethane	ND (1.09)	ND (1.09)	ND (1.82)	ND (1.09)	ND (1.09)
1,1,2,2-Tetrachloroethane	ND (1.37)	ND (1.37)	ND (2.29)	ND (1.37)	ND (1.37)
1,1,2-Trichloroethane	ND (1.09)	ND (1.09)	ND (1.82)	ND (1.09)	ND (1.09)
1,1-Dichloroethane	ND (0.809)	ND (0.809)	ND (1.35)	ND (0.809)	ND (0.809)
1,1-Dichloroethene	ND (0.793)	ND (0.793)	ND (1.32)	ND (0.793)	ND (0.793)
1,2,4-Trichlorobenzene	ND (1.48)	ND (1.48)	ND (2.47)	ND (1.48)	ND (1.48)
1,2,4-Trimethylbenzene	2.86	1.92	ND (1.64)	0.993	4.22
1,2-Dibromoethane (Ethylene Dibromide)	ND (1.54)	ND (1.54)	ND (2.56)	ND (1.54)	ND (1.54)
1,2-Dichlorobenzene	ND (1.2)	ND (1.2)	ND (2)	ND (1.2)	ND (1.2)
1,2-Dichloroethane	ND (0.809)	ND (0.809)	ND (1.35)	ND (0.809)	ND (0.809)
1,2-Dichloropropane	ND (0.924)	ND (0.924)	ND (1.54)	ND (0.924)	ND (0.924)
1,2-Dichlorotetrafluoroethane (CFC 114)	ND (1.4)	3.1	ND (2.33)	3.15	3.6
1,3,5-Trimethylbenzene	0.998	ND (0.983)	ND (1.64)	ND (0.983)	1.36
1,3-Butadiene	ND (0.442)	ND (0.442)	ND (0.737)	2.11	0.566
1,3-Dichlorobenzene	ND (1.2)	ND (1.2)	ND (2)	ND (1.2)	ND (1.2)
1,4-Dichlorobenzene	ND (1.2)	ND (1.2)	ND (2)	ND (1.2)	ND (1.2)
1,4-Dioxane	ND (0.721)	ND (0.721)	ND (1.2)	ND (0.721)	ND (0.721)
2,2,4-Trimethylpentane	ND (0.934)	ND (0.934)	ND (1.56)	ND (0.934)	ND (0.934)
2-Butanone (Methyl Ethyl Ketone)	ND (1.47)	ND (1.47)	ND (2.46)	4.01	24.4
2-Hexanone (Methyl Butyl Ketone)	ND (0.82)	ND (0.82)	ND (1.36)	ND (0.82)	2.19
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	1.11	ND (0.983)	ND (1.64)	ND (0.983)	ND (0.983)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (2.05)	ND (2.05)	ND (3.42)	ND (2.05)	ND (2.05)
Acetone	4.49	3.14	7.27	38.2	95
Allyl chloride	ND (0.626)	ND (0.626)	ND (1.04)	ND (0.626)	ND (0.626)
Benzene	ND (0.639)	ND (0.639)	ND (1.06)	1.83	1.6
Benzyl Chloride (alpha-Chlorotoluene)	ND (1.04)	ND (1.04)	ND (1.72)	ND (1.04)	ND (1.04)
Bromodichloromethane	ND (1.34)	ND (1.34)	ND (2.23)	ND (1.34)	ND (1.34)
Bromoform	ND (2.07)	ND (2.07)	ND (3.44)	ND (2.07)	2.37
Bromomethane (Methyl Bromide)	ND (0.777)	ND (0.777)	ND (1.29)	ND (0.777)	ND (0.777)
Carbon disulfide	ND (0.623)	ND (0.623)	1.17	8.69	4.55
Carbon tetrachloride	ND (1.26)	ND (1.26)	ND (2.09)	ND (1.26)	ND (1.26)
Chlorobenzene	ND (0.921)	ND (0.921)	ND (1.53)	ND (0.921)	ND (0.921)
Chloroethane	ND (0.528)	ND (0.528)	ND (0.879)	ND (0.528)	ND (0.528)
Chloroform (Trichloromethane)	3.09	1.76	ND (1.63)	3.43	1.29
Chloromethane (Methyl Chloride)	ND (0.413)	ND (0.413)	ND (0.688)	ND (0.413)	1.58
cis-1,2-Dichloroethene	ND (0.793)	ND (0.793)	ND (1.32)	ND (0.793)	ND (0.793)
cis-1,3-Dichloropropene	ND (0.908)	ND (0.908)	ND (1.51)	ND (0.908)	ND (0.908)
Cyclohexane	0.96	ND (0.688)	ND (1.15)	2.3	2.18
Dibromochloromethane	ND (1.7)	ND (1.7)	ND (2.84)	ND (1.7)	ND (1.7)
Dichlorodifluoromethane (CFC-12)	1.87	2.2	1.84	2.23	2.55
Ethanol	ND (9.42)	ND (9.42)	ND (15.7)	ND (9.42)	29.6
Ethyl acetate	ND (1.8)	ND (1.8)	ND (3.01)	ND (1.8)	ND (1.8)
Ethylbenzene	1.65	ND (0.869)	443	1.15	3.02
Hexachlorobutadiene	ND (2.13)	ND (2.13)	ND (3.55)	ND (2.13)	ND (2.13)
Hexane	ND (0.705)	ND (0.705)	ND (1.17)	3.04	1.19
Isopropyl Alcohol (2-Propanol)	4.01	2.46	5.97	5.85	12.5
m,p-Xylenes	7.25	2.97	786	3.44	12.2
Methyl Tert Butyl Ether (MTBE)	ND (0.721)	ND (0.721)	ND (1.2)	ND (0.721)	ND (0.721)
Methylene chloride (Dichloromethane)	ND (1.74)	ND (1.74)	ND (2.9)	ND (1.74)	ND (1.74)
Naphthalene	ND (0.996)	ND (0.996)	ND (1.66)	ND (0.996)	1.41
N-Heptane	ND (0.82)	ND (0.82)	ND (1.36)	2.9	4.22
o-Xylene	2.72	ND (0.869)	204	1.13	4.08
Styrene	ND (0.852)	ND (0.852)	5.71	ND (0.852)	ND (0.852)
Tert-Butyl Alcohol (tert-Butanol)	2.96	ND (1.52)	2.57	6.55	5.43
Tetrachloroethene	9.63	9.49	3.34	2.84	2.17
Tetrahydrofuran	1.52	ND (1.47)	ND (2.46)	1.71	11.9
Toluene	7.84	3.04	6.48	12.4	11.9
trans-1,2-Dichloroethene	ND (0.793)	ND (0.793)	ND (1.32)	ND (0.793)	ND (0.793)
trans-1,3-Dichloropropene	ND (0.908)	ND (0.908)	ND (1.51)	ND (0.908)	ND (0.908)
Trichloroethene	ND (1.07)	ND (1.07)	ND (1.79)	ND (1.07)	ND (1.07)
Trichlorofluoromethane (CFC-11)	1.14	ND (1.12)	ND (1.87)	1.14	1.21
Trifluorotrichloroethane (Freon 113)	ND (1.53)	ND (1.53)	ND (2.55)	ND (1.53)	ND (1.53)
Vinyl Bromide (Bromoethene)	ND (0.874)	ND (0.874)	ND (1.46)	ND (0.874)	ND (0.874)
Vinyl chloride	ND (0.511)	ND (0.511)	ND (0.851)	ND (0.511)	ND (0.511)
SUM of VOCs	54.098	30.08	1467.35	109.093	248.286
SUM of BTEX	19.46	6.01	1439.48	19.95	32.8
SUM of CVOCs	9.63	9.49	3.34	2.84	2.17

Notes and Abbreviations:

µg/m^3 : micrograms per cubic meter

-: Not Analyzed
BTEX: Benzene, Toluene, Ethylbenzene, Xylenes
CVOCs: Chlorinated volatile organic compounds
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
VOCs: Volatile Organic Compounds

- For test methods used, see the laboratory data sheets.
- SUM of CVOCs includes the following compounds: carbon tetrachloride, 1,1-dichloroethene, cis-1,2-dichloroethene, trichloroethene, methylene chloride, tetrachloroethene, 1,1,1-trichloroethane, vinyl chloride

FIGURES


73°58'0"W
73°57'0"W
73°56'0"W
40°43'0"N
40°42'0"N
40°41'0"N
SITE
Greenpoint
Williamsburg
Bedford Stuyvesant
Fort Greene
Adelphi
Linden Hi
Brooklyn Navy Yards Industrial Park
Pratt Institute
Sternberg Park
Marcy Playground
Herbert Von King Park
Jesse Owens Playground
Fulton Park
Maria Hernandez Park
Green Central Knoll
Coopers Park
McCarren Park
Marsha P Johnson State Park
East River Park
Mcgr. McGolrick Park
Woodhull Intrd & Mental Hlth Center
P.S. 368
Meeker Ave
Grand St
Metropolitan Ave
Broadway
Flushing Ave
Myrtle Ave
Park Ave
Lee Ave
Marcy Ave
Bedford Ave
Nostrand Ave
Bushwick Ave
Graham Ave
Humboldt St
Lorimer St
Union Ave
Manhattan Ave
Driggs Ave
Rodney St
Wallabout St
Willoughby Ave
De Kalb Ave
Lafayette Ave
Greene Ave
Clifton Pl
Quincy St
Gates Ave
Monroe St
Madison St
Jefferson Ave
Putnam Ave
Hancock St
Atlantic Ave
Fulton St
Halsey St
Macon St
Decatur St
Chauncey St
Bainbridge St
Broadway
Myrtle Ave
Cedar St
Central Ave
Evergreen Ave
Wilson Ave
Knickerbocker Ave
Starr St
Thames St
Grattan St
Harrison Pl
Ingraham St
Johnson Ave
Flushing Ave
Randolph St
Vanck Ave
Morgan Ave
Meadow St
Stagg St
Waterbury St
Olive St
Sharon St
Onent Ave
Jackson St
Frost St
Withers St
Conselyea St
Skillman Ave
Devoe St
Ainsle St
Powers St
Grand St
Maujer St
Ten Eyck St
Scholes St
Meserole St
Montrose Ave
Boerum St
Varet St
Cook St
Seigel St
McKibbin St
Moore St
Bogart St
Starr St
Noll St
George St
Melrose St
Knickerbocker Ave
Willoughby Ave
Hart St
Vernon Ave
Pulaski St
Kosciuszko St
Van Buren St
Lexington Ave
Quincy St
Gates Ave
Monroe St
Madison St
Jefferson Ave
Putnam Ave
Hancock St
Macon St
Halsey St
Macdonough St
Decatur St
Bainbridge St
Chauncey St
Fulton St
Herkimer St
Fulton Park
Boys And Girls High
Dr Sandy F Ray Blvd
Malcolm X Blvd
Stuyvesant Ave
Throop Ave
Tompkins Ave
Marcus Garvey Blvd
Nostrand Ave
Bedford Ave
Franklin Ave
Classon Ave
Taaffe Pl
Emerson Pl
Steuben St
Ryerson St
Hall St
Adelphi St
Vanderbilt Ave
Clinton Ave
Washington Ave
Cumberland St
Carlton Ave
S Oxford St
S Portland Ave
St James Pl
Cambridge Pl
Grand Ave
Downing St
Irving Pl
Claver Pl
Lefferts Pl
Clermont Ave
Waverly Ave
Sandford St
Spencer St
Skillman St
Franklin Ave
Kent Ave
Wallworth St
Marcy Ave
Ellery St
Park Ave
Hopkins St
Flushing Ave
Wallabout St
Navy St
Gerry St
Bartlett St
Whipple St
Walton St
Lynch St
Middleton St
Harrison Ave
Heyward St
Rutledge St
Penn St
Hewes St
Keap St
Hooper St
Union Ave
Lorimer St
Bedford Ave
Driggs Ave
Roebling St
Havemeyer St
Marcy Ave
Rodney St
Broadway
Williamsburg Brg
S 4th St
Borinquen Pl
Grand St
Metropolitan Ave
Meeker Ave
Graham Ave
Humboldt St
Woodpoint Rd
Manhattan Ave
Lorimer St
Union Ave
Driggs Ave
Roebling St
Havemeyer St
Marcy Ave
Rodney St
Bedford Ave
Berry St
Wythe Ave
Kent Ave
Richardson St
Bayard St
Driggs Ave
Division Pl
Beadel St
Anthony St
Lombardy St
Porter Ave
Vandervoort Ave
Morgan Ave
Maspeth Ave
English Kills
Rewe St
Grand St
Scott Ave
Gardner Ave
Stewart Ave
Meserole St
Long Island
Randolph St
Flushing Ave
Wyckoff Ave
St Nicho
Willoughby A
Skydam A
Jefferson St
Troutman St
Starr St
Thames St
Grattan St
Harrison Pl
Ingraham St
Johnson Ave



LEGEND

SITE BOUNDARY

PARCEL BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING

3. AERIAL IMAGERY SOURCE: ESRI

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SCALE IN FEET

HALEY ALDRICH

374 WALLABOUT STREET
BROOKLYN, NEW YORK

SITE PLAN

MARCH 2025

FIGURE 2

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LEGEND

- SOIL BORING/MONITORING WELL
- SOIL BORING
- SOIL VAPOR POINT
- SITE BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING, INFORMATION TECHNOLOGY DIVISION
3. AERIAL IMAGERY SOURCE: NEARMAP, 11 OCTOBER 2024
4. LOCATIONS SAMPLED DURING THE AUGUST 2022 LIMITED PHASE II ARE NOT DEPICTED. REFER TO THE FULL REPORT PROVIDED IN APPENDIX B FOR SAMPLE LOCATIONS.

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SCALE IN FEET

HALEY ALDRICH

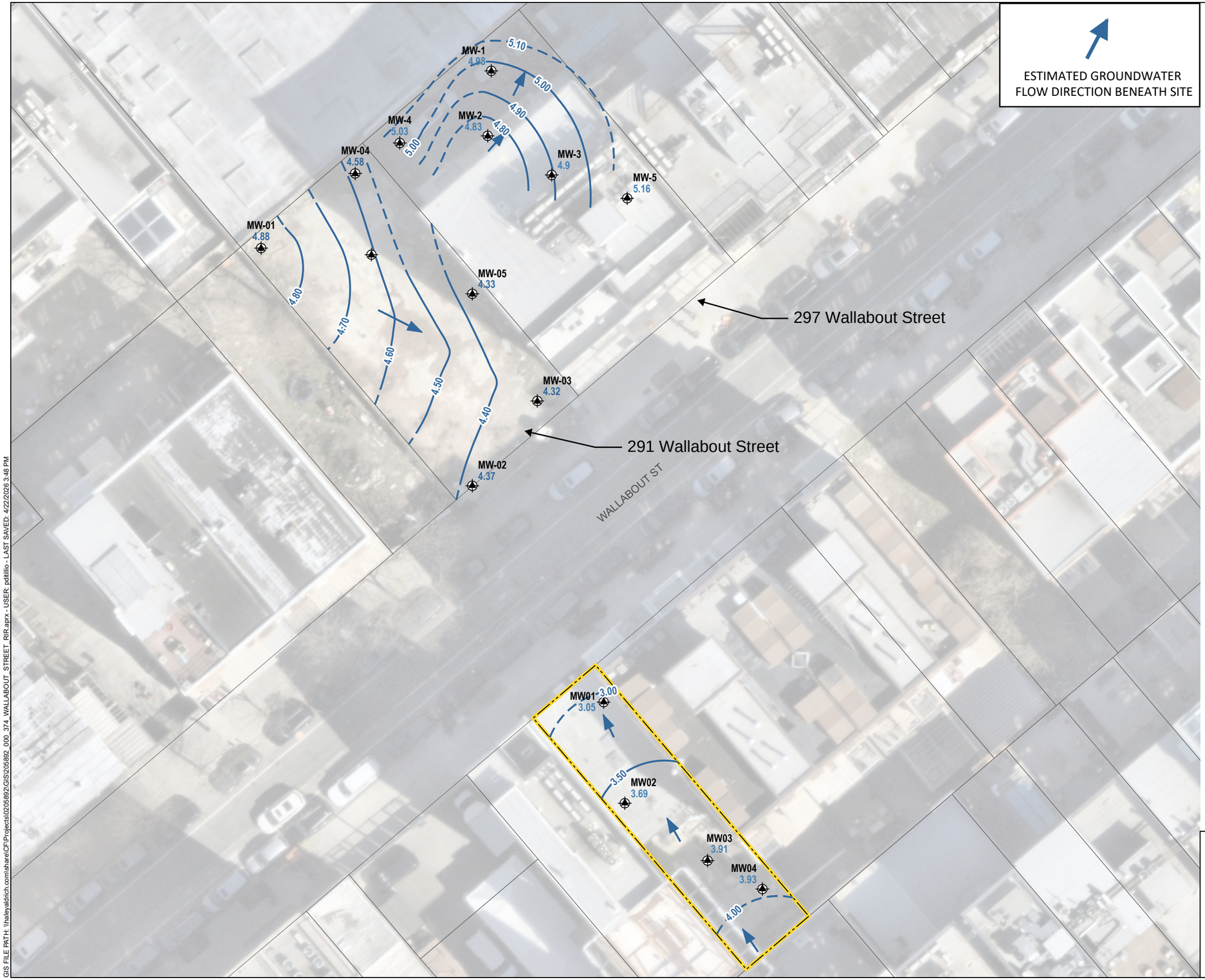
374 WALLABOUT STREET
BROOKLYN, NEW YORK

SAMPLE LOCATION MAP

APRIL 2025

FIGURE 3

GIS FILE PATH: \\haleyaldrich\share\CF\Projects\0205892\GIS\205892_000_374_WALLABOUT_STREET_RIR.aprx - USER: khensen - LAST SAVED: 2/18/2025 4:04 PM



LEGEND

- MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR, IN FEET. DASHED WHERE INFERRED
- GROUNDWATER FLOW DIRECTION
- SITE BOUNDARY
- PARCEL BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. MONITORING WELLS WERE SURVEYED BY DPK CONSULTING LLC. ON 14 FEBRUARY 2025 AT 347 WALLABOUT STREET.
3. MONITORING WELLS WERE SURVEYED BY DPK CONSULTING LLC. ON APRIL 2025 AT 291 WALLABOUT STREET.
4. MONITORING WELLS WERE SURVEYED BY DPK CONSULTING LLC. ON 12 AUGUST 2020 AT 297 WALLABOUT STREET.
5. ELEVATION REFERS TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
6. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
7. AERIAL IMAGERY SOURCE: NEARMAP, APRIL 7, 2026
8. DUE TO THE LINEAR ORIENTATION OF THE SITE, GROUNDWATER FLOW INTERPRETATION IS LIMITED.

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SCALE IN FEET

HALEY ALDRICH

374 WALLABOUT STREET
BROOKLYN, NEW YORK

GROUNDWATER CONTOUR MAP

APRIL 2026

FIGURE 4

GIS FILE PATH: \\haleyaldrich.com\share\CP\Projects\0205892\GIS\205892_000_374_WALLABOUT_STREET_RIR.aprx - USER: pdilillo - LAST SAVED: 4/22/2026 3:48 PM



SB-01	02/06/2025 SB-01_6-8 6 - 8 (ft)	02/06/2025 SB-01_8-10 8 - 10 (ft)	02/06/2025 SB-01_13-15 13 - 15 (ft)
Total Metals (mg/kg)			
Lead	178	3.95 J	2.48 J
Mercury	0.615	ND (0.079)	ND (0.077)

SB-03	02/05/2025 SB-03_0-2 0 - 2 (ft)	02/05/2025 SB-03_3-5 3 - 5 (ft)	02/05/2025 SB-03_7-9 7 - 9 (ft)	02/05/2025 DUP-01_20250205 10 - 12 (ft)	02/05/2025 SB-03_10-12 10 - 12 (ft)	02/05/2025 SB-03_13-15 13 - 15 (ft)
Pesticides (mg/kg)						
4,4'-DDE	0.0119	0.0485	0.00187 R	ND (0.00184)	ND (0.00189)	ND (0.00176)
4,4'-DDT	0.0659	0.108	0.00187 R	ND (0.00184)	ND (0.00189)	ND (0.00176)
Total Metals (mg/kg)						
Copper	72.7	73	11.8	6.64	7.27	4.71
Lead	*656 J*	*505 J*	*454 J*	2.28 J	3.34 J	1.73 J
Mercury	*1.88 J*	*1.36 J*	0.399 J	ND (0.085) J	ND (0.08) J	ND (0.074) J
Zinc	245	366	27.7	11.7	13.8	8.71

SB-04	02/05/2025 SB-04_0-2 0 - 2 (ft)	02/05/2025 SB-04_3-5 3 - 5 (ft)	02/05/2025 SB-04_7-9 7 - 9 (ft)	02/07/2025 DUP-02_20250207 10 - 12 (ft)	02/07/2025 SB-04_10-12 10 - 12 (ft)	02/05/2025 SB-04_13-15 13 - 15 (ft)
Other (mg/kg)						
Cyanide	0.54 J	11	ND (1.1)	ND (1.1)	ND (1.2)	ND (1.1)
Pesticides (mg/kg)						
4,4'-DDE	0.0037	0.00141 J	ND (0.00181) J	ND (0.00179)	0.00196 R	ND (0.00179)
4,4'-DDT	0.0183	0.00218	ND (0.00181) J	ND (0.00179)	0.00196 R	ND (0.00179)
PFAS (ng/g)						
Perfluorooctanoic acid (PFOA)	0.795	*1.87*	ND (0.198)	0.093 J	0.031 J	0.059 J
Semi-Volatile Organic Compounds (mg/kg)						
Phenanthrene	1.5	0.6	ND (0.12)	ND (0.12)	ND (0.12)	0.06 J
Total Metals (mg/kg)						
Chromium VI (Hexavalent)	ND (0.951)	1.09 J+	ND (0.936)	ND (0.932)	ND (1.01)	ND (0.913)
Lead	301 J	204 J	6.58 J	4.01 J	8.56	10.1 J
Mercury	*3.06 J*	*1.29 J*	ND (0.074) J	ND (0.074)	0.086	ND (0.08) J
Zinc	117	122	27.7	15.1 J	23.8 J	35

SB-02	02/06/2025 SB-02_6-8 6 - 8 (ft)	02/06/2025 SB-02_8-10 8 - 10 (ft)	02/06/2025 SB-02_13-15 13 - 15 (ft)
Volatile Organic Compounds (mg/kg)			
Acetone	*0.064*	0.026	ND (0.0093)

SB-05	02/05/2025 SB-05_0-2 0 - 2 (ft)	02/05/2025 SB-05_3-5 3 - 5 (ft)	02/05/2025 SB-05_7-9 7 - 9 (ft)	02/05/2025 SB-05_10-12 10 - 12 (ft)
Pesticides (mg/kg)				
4,4'-DDD	0.000988 J	ND (0.0018)	0.00209	0.00402
4,4'-DDE	0.00675	0.00371	0.00137 J	0.00236
4,4'-DDT	0.0268	0.0114	ND (0.00183) J	0.00212
Semi-Volatile Organic Compounds (mg/kg)				
Benzo(a)anthracene	*1.2 J+*	0.31	0.12	0.14
Benzo(a)pyrene	1.1	0.31	0.11 J	0.12 J
Benzo(b)fluoranthene	1.3	0.38	0.14	0.17
Benzo(g,h,i)perylene	0.65	0.17	0.063 J	0.079 J
Chrysene	*1.1 J+*	0.3	0.12	0.13
Indeno(1,2,3-cd)pyrene	0.66	0.18	0.06 J	0.079 J
Total Metals (mg/kg)				
Chromium	32	19.8	12.9	12.9
Copper	79.8	47	32.8	33.7
Lead	*550 J*	365 J	139 J	124 J
Mercury	*0.95 J*	*1.04 J*	0.06 J	0.315 J
Zinc	284	187	94.8	79.6
Volatile Organic Compounds (mg/kg)				
Acetone	*0.13*	0.0055 J	0.0078 J	*0.036*

LEGEND

SOIL BORING

SITE BOUNDARY

Analyte	*NY-PGW*	NY-RESR	NY-UNRES
Pesticides (mg/kg)			
4,4'-DDD	14	5	0.0033
4,4'-DDE	9.3	3.4	0.0033
4,4'-DDT	135	3.8	0.0033
PFAS (ng/g)			
Benzo(a)anthracene	1	1.4	1
Benzo(a)pyrene	22	1	1
Benzo(b)fluoranthene	2.1	1.4	1
Benzo(g,h,i)perylene	1000	4.9	0.64
Chrysene	1	4.9	1
Indeno(1,2,3-cd)pyrene	6.6	1.4	0.5
Phenanthrene	1000	4.9	1.1
Total Metals (mg/kg)			
Chromium	NA	110	30
Chromium VI (Hexavalent)	19	1	1
Copper	1720	280	50
Lead	450	400	63
Mercury	0.73	0.3	0.18
Zinc	2480	6600	109
Volatile Organic Compounds (mg/kg)			
Acetone	0.03	100	0.03
Other (mg/kg)			
Cyanide	40	13	2.3
PFAS (ng/g)			
Perfluorooctanoic acid (PFOA)	0.8	33	0.66

NOTES
1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. DEFINITIONS:
   J = VALUE IS ESTIMATED
   J+ = VALUE IS ESTIMATED, HIGH BIAS
   mg/kg: MILLIGRAM PER KILOGRAM
   ND (2.5): NOT DETECTED, NUMBER IN PARENTHESES IS THE LABORATORY REPORTING LIMIT
   ng/g: NANOGRAMS PER GRAM
   R: REJECTED
   NY-PGW - NYSDEC PART 375 PROTECTION OF GROUNDWATER CRITERIA
   NY-RESR - NYSDEC PART 375 RESTRICTED-USE RESIDENTIAL SCOs
   NY-UNRES - NYSDEC PART 375 UNRESTRICTED USE SCOs
4. SB01, SB02, AND SB06 WERE COLLECTED IN A CELLAR LOCATED APPROXIMATELY 6 FEET BELOW SIDEWALK GRADE; SAMPLE DEPTHS ARE DISPLAYED IN FT BGS.
5. SOIL ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES (SCO), RESTRICTED-USE RESIDENTIAL SCOS, AND PROTECTION OF GROUNDWATER SCOS.
6. EXCEEDANCES OF THE PROTECTION OF GROUNDWATER CRITERIA ARE SHOWN IN ***ITALICS***.
7. EXCEEDANCES OF THE UNRESTRICTED SCOS ARE SHADED GRAY.
8. EXCEEDANCES OF THE RESTRICTED SCOS ARE SHADED YELLOW.
9. NY-PGW - NYSDEC PART 375 PROTECTION OF GROUNDWATER CRITERIA

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SCALE IN FEET

HALEY ALDRICH

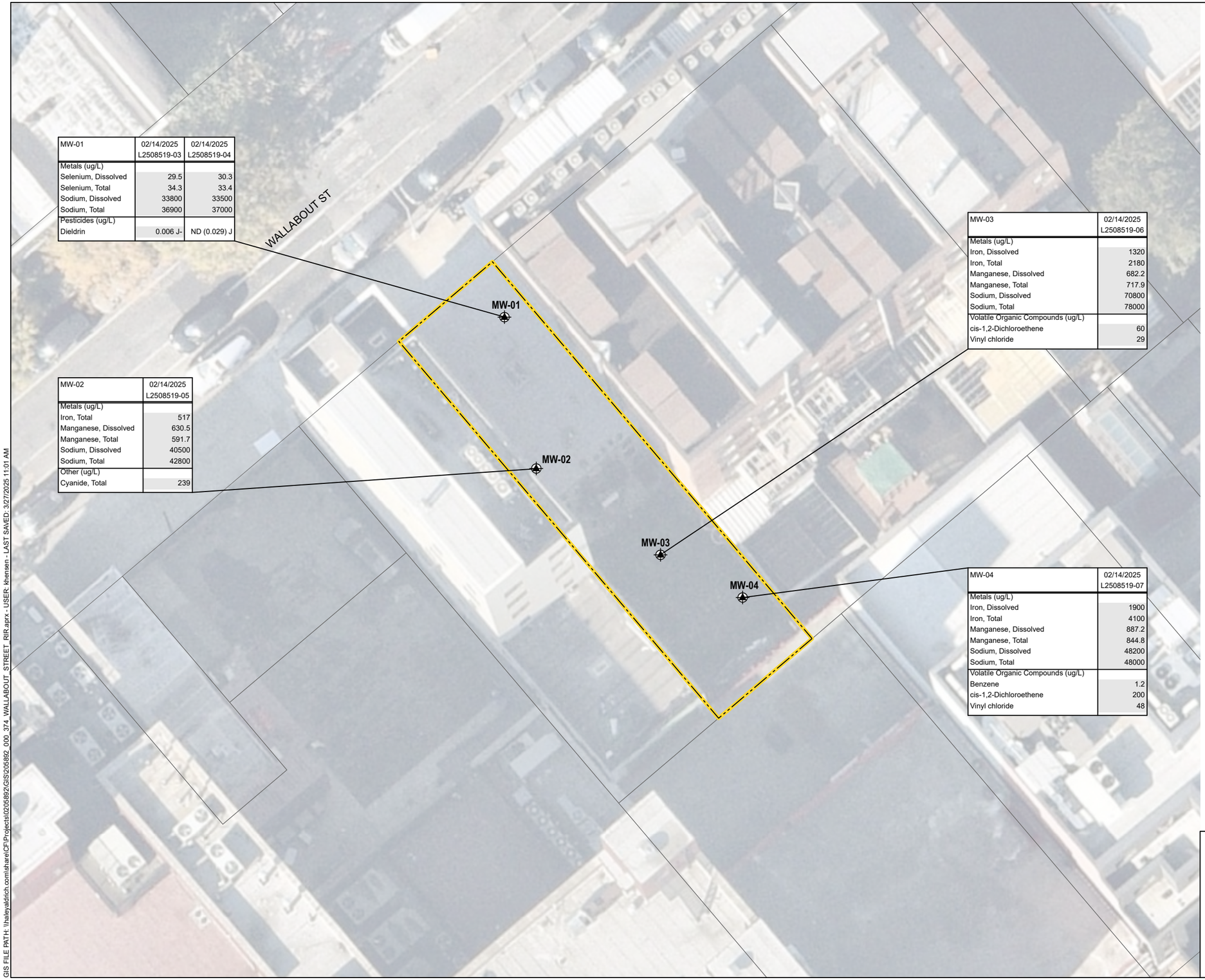
374 WALLABOUT STREET
BROOKLYN, NEW YORK

SOIL EXCEEDANCE MAP

JULY 2026

FIGURE 5

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0205892\GIS\205892_000_374_WALLABOUT_STREET_RIR.aprx - USER: pdilillo - LAST SAVED: 7/28/2026 3:26 PM



MW-01	02/14/2025 L2508519-03	02/14/2025 L2508519-04
Metals (ug/L)		
Selenium, Dissolved	29.5	30.3
Selenium, Total	34.3	33.4
Sodium, Dissolved	33800	33500
Sodium, Total	36900	37000
Pesticides (ug/L)		
Dieldrin	0.006 J-	ND (0.029) J

MW-02	02/14/2025 L2508519-05
Metals (ug/L)	
Iron, Total	517
Manganese, Dissolved	630.5
Manganese, Total	591.7
Sodium, Dissolved	40500
Sodium, Total	42800
Other (ug/L)	
Cyanide, Total	239

MW-03	02/14/2025 L2508519-06
Metals (ug/L)	
Iron, Dissolved	1320
Iron, Total	2180
Manganese, Dissolved	682.2
Manganese, Total	717.9
Sodium, Dissolved	70800
Sodium, Total	78000
Volatile Organic Compounds (ug/L)	
cis-1,2-Dichloroethene	60
Vinyl chloride	29

MW-04	02/14/2025 L2508519-07
Metals (ug/L)	
Iron, Dissolved	1900
Iron, Total	4100
Manganese, Dissolved	887.2
Manganese, Total	844.8
Sodium, Dissolved	48200
Sodium, Total	48000
Volatile Organic Compounds (ug/L)	
Benzene	1.2
cis-1,2-Dichloroethene	200
Vinyl chloride	48

LEGEND

MONITORING WELL

SITE BOUNDARY

	AWQS
Metals (ug/L)	
Iron, Dissolved & Total	300
Manganese, Dissolved & Total	300
Sodium, Dissolved & Total	20000
Selenium, Dissolved & Total	10
Other (ug/L)	
Cyanide, Total	200
Pesticides (ug/L)	
Dieldrin	0.004
Volatile Organic Compounds (ug/L)	
cis-1,2-Dichloroethene	5
Benzene	1
Vinyl chloride	2

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, 11 OCTOBER 2024.
3. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING.
4. DEFINITIONS:
J - VALUE IS ESTIMATED.
I - THE LOWER VALUE FOR THE TWO COLUMNS HAS BEEN REPORTED DUE TO OBVIOUS INTERFERENCE.
P - THE RPD BETWEEN THE RESULTS FOR THE TWO COLUMNS EXCEEDS THE METHOD-SPECIFIED CRITERIA.
ND (2.5) - NOT DETECTED, NUMBER IN PARENTHESES IS THE LABORATORY REPORTING LIMIT
5. GROUNDWATER ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS (AWQS).
6. NOT ALL RESULTS BELOW THE AWQS ARE DISPLAYED.
7. RESULTS ARE DISPLAYED IN MICROGRAMS PER LITER (µg/L).
8. GRAY SHADED RESULTS EXCEED THE AWQS.
9. MONITORING WELLS WERE SURVEYED BY DPK CONSULTING ON 14 FEBRUARY 2025.

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SCALE IN FEET

HALEY ALDRICH

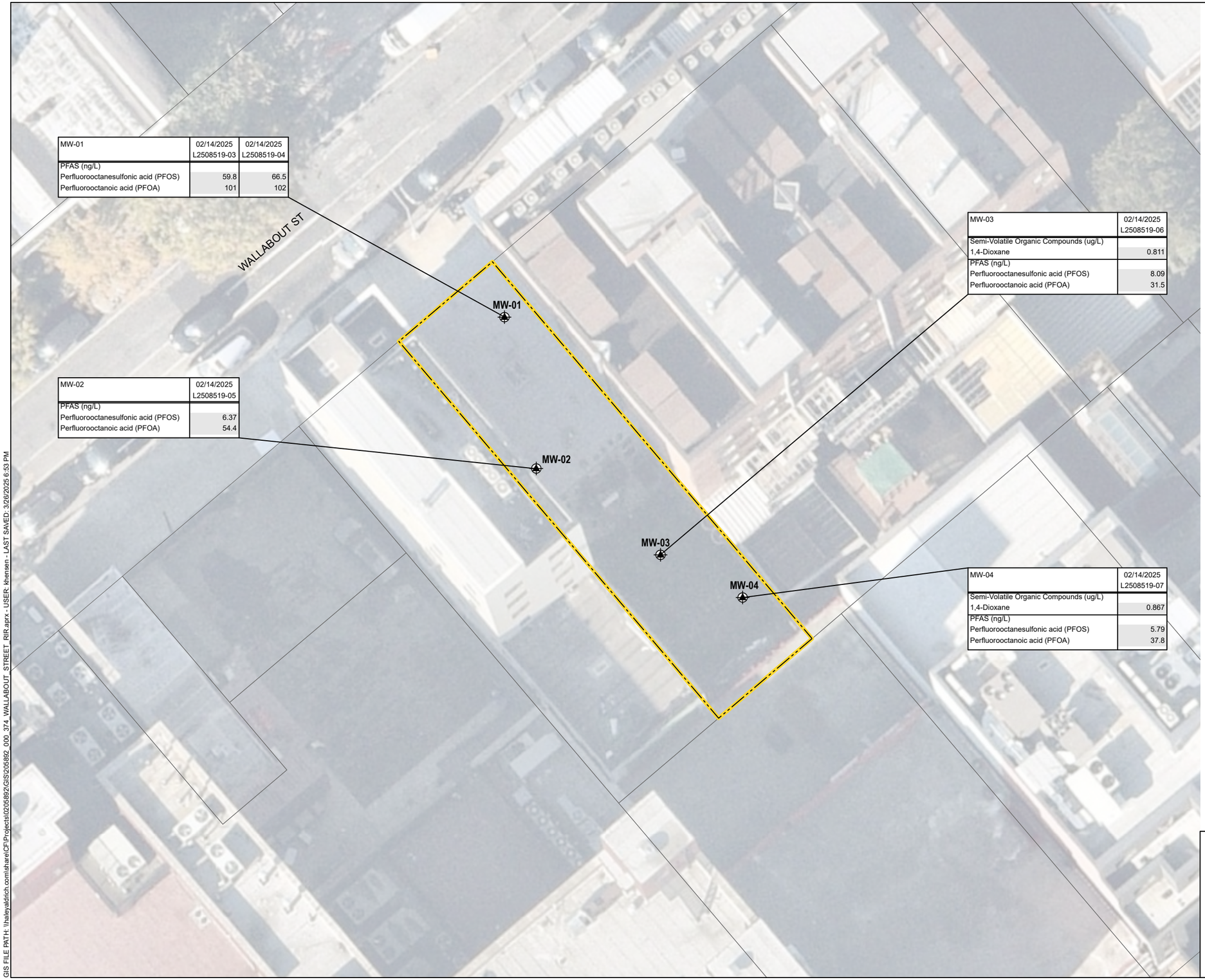
374 WALLABOUT STREET
BROOKLYN, NEW YORK

GROUNDWATER RESULTS EXCEEDANCE MAP

APRIL 2025

FIGURE 6

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0205892\GIS\205892_000_374_WALLABOUT_STREET_RIR.aprx - USER: khensen - LAST SAVED: 3/27/2025 11:01 AM



MW-01	02/14/2025 L2508519-03	02/14/2025 L2508519-04
PFAS (ng/L)		
Perfluorooctanesulfonic acid (PFOS)	59.8	66.5
Perfluorooctanoic acid (PFOA)	101	102

MW-02	02/14/2025 L2508519-05
PFAS (ng/L)	
Perfluorooctanesulfonic acid (PFOS)	6.37
Perfluorooctanoic acid (PFOA)	54.4

MW-03	02/14/2025 L2508519-06
Semi-Volatile Organic Compounds (ug/L)	
1,4-Dioxane	0.811
PFAS (ng/L)	
Perfluorooctanesulfonic acid (PFOS)	8.09
Perfluorooctanoic acid (PFOA)	31.5

MW-04	02/14/2025 L2508519-07
Semi-Volatile Organic Compounds (ug/L)	
1,4-Dioxane	0.867
PFAS (ng/L)	
Perfluorooctanesulfonic acid (PFOS)	5.79
Perfluorooctanoic acid (PFOA)	37.8

LEGEND

MONITORING WELL

SITE BOUNDARY

Guidance Value	NYSDEC GUIDANCE VALUES
Semi-Volatile Organic Compounds (ug/L)	
1,4-Dioxane	0.35
PFAS (ng/L)	
Perfluorooctanesulfonic acid (PFOS)	2.7
Perfluorooctanoic acid (PFOA)	6.7

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, 11 OCTOBER 2024.
3. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
4. DEFINITIONS:
J = VALUE IS ESTIMATED.
I = THE LOWER VALUE FOR THE TWO COLUMNS HAS BEEN REPORTED DUE TO OBVIOUS INTERFERENCE.
P = THE RPD BETWEEN THE RESULTS FOR THE TWO COLUMNS EXCEEDS THE METHOD-SPECIFIED CRITERIA.
ND (2.5) = NOT DETECTED, NUMBER IN PARENTHESES IS THE LABORATORY REPORTING LIMIT
1. GROUNDWATER ANALYTICAL RESULTS FOR EMERGING CONTAMINANTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF EMNVONRMENTAL CONSERVATION (NYSDEC) APRIL 2023 GUIDANCE VALUE (GV) FOR PFOA AND PFOS, AND THE MARCH 2023 NYSDEC GV FOR 1,4-DIOXANE.
2. ONLY RESULTS THAT EXCEED THE NYSDEC GVS ARE DISPLAYED.
3. RESULTS FOR PFOA AND PFOS ARE DISPLAYED IN NANOGRAMS PER LITER (ng/L).
4. RESULTS FOR 1,4-DIOXANE ARE DISPLAYED IN MICROGRAMS PER LITER (µg/L).
5. EXCEEDANCES OF THE NYSDEC GVs ARE SHADED GRAY.
6. MONITORING WELLS WERE SURVEYED BY DPK CONSULTING ON 14 FEBRUARY 2025.

N

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SCALE IN FEET

HALEY ALDRICH

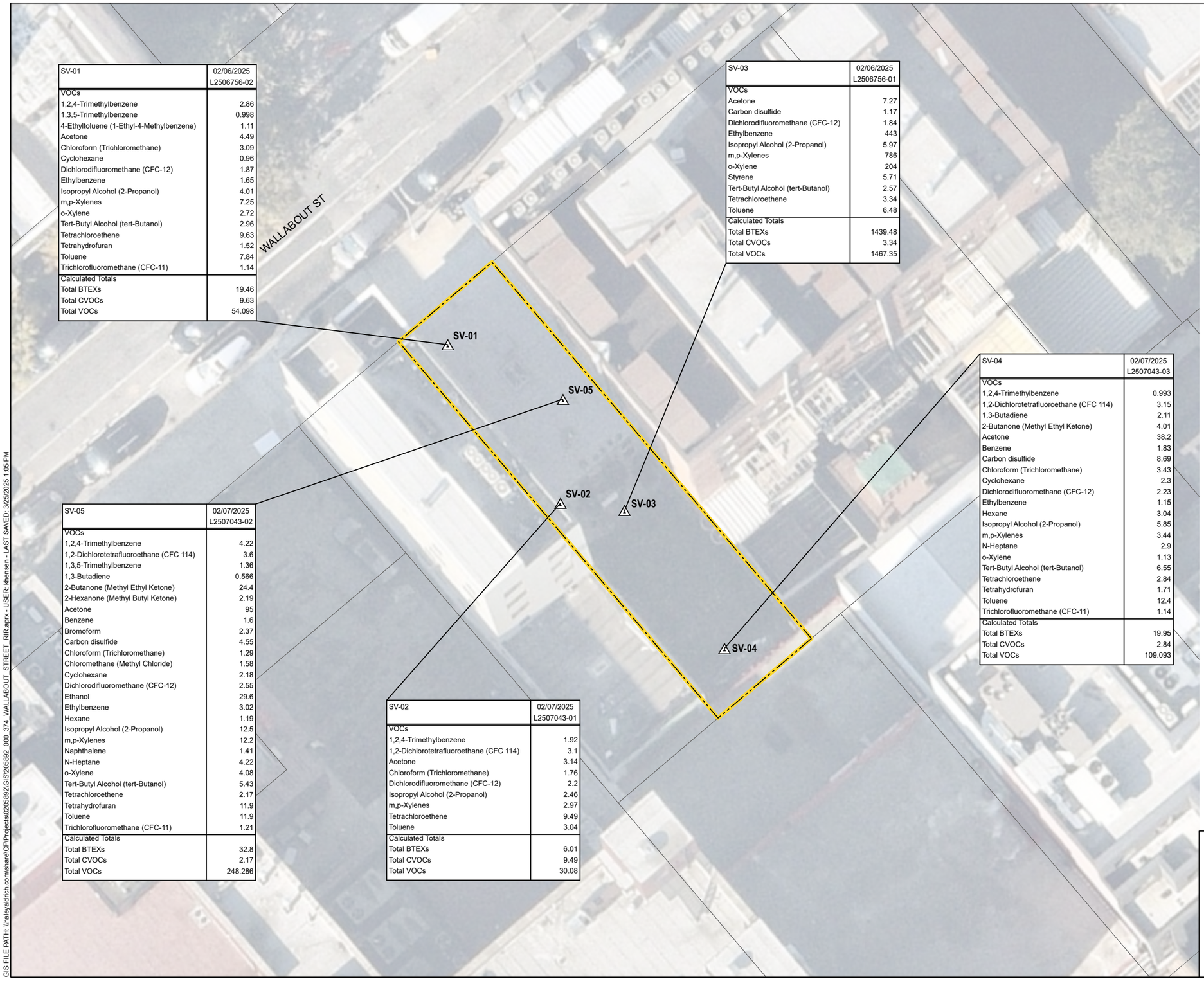
374 WALLABOUT STREET
BROOKLYN, NEW YORK

EMERGING CONTAMINANTS IN GROUNDWATER

APRIL 2025

FIGURE 7

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0205892\GIS\205892_000_374_WALLABOUT_STREET_RIR.aprx - USER: khensen - LAST SAVED: 3/26/2025 6:53 PM



SV-01	02/06/2025 L2506756-02
VOCs	
1,2,4-Trimethylbenzene	2.86
1,3,5-Trimethylbenzene	0.998
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	1.11
Acetone	4.49
Chloroform (Trichloromethane)	3.09
Cyclohexane	0.96
Dichlorodifluoromethane (CFC-12)	1.87
Ethylbenzene	1.65
Isopropyl Alcohol (2-Propanol)	4.01
m,p-Xylenes	7.25
o-Xylene	2.72
Tert-Butyl Alcohol (tert-Butanol)	2.96
Tetrachloroethene	9.63
Tetrahydrofuran	1.52
Toluene	7.84
Trichlorofluoromethane (CFC-11)	1.14
Calculated Totals	
Total BTEXs	19.46
Total CVOCs	9.63
Total VOCs	54.098

SV-03	02/06/2025 L2506756-01
VOCs	
Acetone	7.27
Carbon disulfide	1.17
Dichlorodifluoromethane (CFC-12)	1.84
Ethylbenzene	443
Isopropyl Alcohol (2-Propanol)	5.97
m,p-Xylenes	786
o-Xylene	204
Styrene	5.71
Tert-Butyl Alcohol (tert-Butanol)	2.57
Tetrachloroethene	3.34
Toluene	6.48
Calculated Totals	
Total BTEXs	1439.48
Total CVOCs	3.34
Total VOCs	1467.35

SV-04	02/07/2025 L2507043-03
VOCs	
1,2,4-Trimethylbenzene	0.993
1,2-Dichlorotetrafluoroethane (CFC 114)	3.15
1,3-Butadiene	2.11
2-Butanone (Methyl Ethyl Ketone)	4.01
Acetone	38.2
Benzene	1.83
Carbon disulfide	8.69
Chloroform (Trichloromethane)	3.43
Cyclohexane	2.3
Dichlorodifluoromethane (CFC-12)	2.23
Ethylbenzene	1.15
Hexane	3.04
Isopropyl Alcohol (2-Propanol)	5.85
m,p-Xylenes	3.44
N-Heptane	2.9
o-Xylene	1.13
Tert-Butyl Alcohol (tert-Butanol)	6.55
Tetrachloroethene	2.84
Tetrahydrofuran	1.71
Toluene	12.4
Trichlorofluoromethane (CFC-11)	1.14
Calculated Totals	
Total BTEXs	19.95
Total CVOCs	2.84
Total VOCs	109.093

SV-05	02/07/2025 L2507043-02
VOCs	
1,2,4-Trimethylbenzene	4.22
1,2-Dichlorotetrafluoroethane (CFC 114)	3.6
1,3,5-Trimethylbenzene	1.36
1,3-Butadiene	0.566
2-Butanone (Methyl Ethyl Ketone)	24.4
2-Hexanone (Methyl Butyl Ketone)	2.19
Acetone	95
Benzene	1.6
Bromoform	2.37
Carbon disulfide	4.55
Chloroform (Trichloromethane)	1.29
Chloromethane (Methyl Chloride)	1.58
Cyclohexane	2.18
Dichlorodifluoromethane (CFC-12)	2.55
Ethanol	29.6
Ethylbenzene	3.02
Hexane	1.19
Isopropyl Alcohol (2-Propanol)	12.5
m,p-Xylenes	12.2
Naphthalene	1.41
N-Heptane	4.22
o-Xylene	4.08
Tert-Butyl Alcohol (tert-Butanol)	5.43
Tetrachloroethene	2.17
Tetrahydrofuran	11.9
Toluene	11.9
Trichlorofluoromethane (CFC-11)	1.21
Calculated Totals	
Total BTEXs	32.8
Total CVOCs	2.17
Total VOCs	248.286

SV-02	02/07/2025 L2507043-01
VOCs	
1,2,4-Trimethylbenzene	1.92
1,2-Dichlorotetrafluoroethane (CFC 114)	3.1
Acetone	3.14
Chloroform (Trichloromethane)	1.76
Dichlorodifluoromethane (CFC-12)	2.2
Isopropyl Alcohol (2-Propanol)	2.46
m,p-Xylenes	2.97
Tetrachloroethene	9.49
Toluene	3.04
Calculated Totals	
Total BTEXs	6.01
Total CVOCs	9.49
Total VOCs	30.08

LEGEND

SOIL VAPOR POINT

SITE BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, 11 OCTOBER 2024.
3. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
4. DEFINITIONS:
VOCS – VOLATILE ORGANIC COMPOUNDS.
CVOCs – CHLORINATED VOCS.
BTEX – BENZENE, TOLUENE, ETHYLBENZENE AND XYLENES.
1. RESULTS THAT WERE NOT DETECTED ARE NOT SHOWN ON FIGURE.
2. RESULTS ARE DISPLAYED IN MICROGRAMS PER CUBIC METER (µg/m3).
3. SOIL VAPOR SAMPLES WERE ANALYZED FOR VOCs.
4. TOTAL BTEX = SUM OF DETECTED CONCENTRATIONS OF BTEX.
5. TOTAL CVOCs = SUM OF DETECTED CONCENTRATIONS OF CARBON TETRACHLORIDE, 1,1-DICHLOROETHENE, CIS-1,2-DICHLOROETHENE, TRICHLOROETHENE, METHYLENE CHLORIDE, TETRACHLOROETHENE, 1,1,1-TRICHLOROETHANE AND VINYL CHLORIDE CONCENTRATIONS.
6. TOTAL VOCs = SUM OF ALL DETECTED CONCENTRATIONS.

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SCALE IN FEET

HALEY ALDRICH

374 WALLABOUT STREET
BROOKLYN, NEW YORK

SOIL VAPOR RESULTS SUMMARY MAP

APRIL 2025

FIGURE 8

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LEGEND

- PFIZER SITES B&D - NYSDEC SITE CODE V00350
- SITE BOUNDARY
- PARCEL BOUNDARY
- POSSIBLE CONTAMINATION SOURCE

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING, INFORMATION TECHNOLOGY DIVISION
3. AERIAL IMAGERY SOURCE: NEARMAP, 11 OCTOBER 2024

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SCALE IN FEET

HALEY ALDRICH

374 WALLABOUT STREET
BROOKLYN, NEW YORK

SURROUNDING SITES IDENTIFIED AS POSSIBLE CONTAMINATION SOURCES

APRIL 2026

FIGURE 9

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0205892\GIS\205892_000_374_WALLABOUT_STREET_RIR.aprx - USER: jtdillio - LAST SAVED: 4/22/2026 3:52 PM

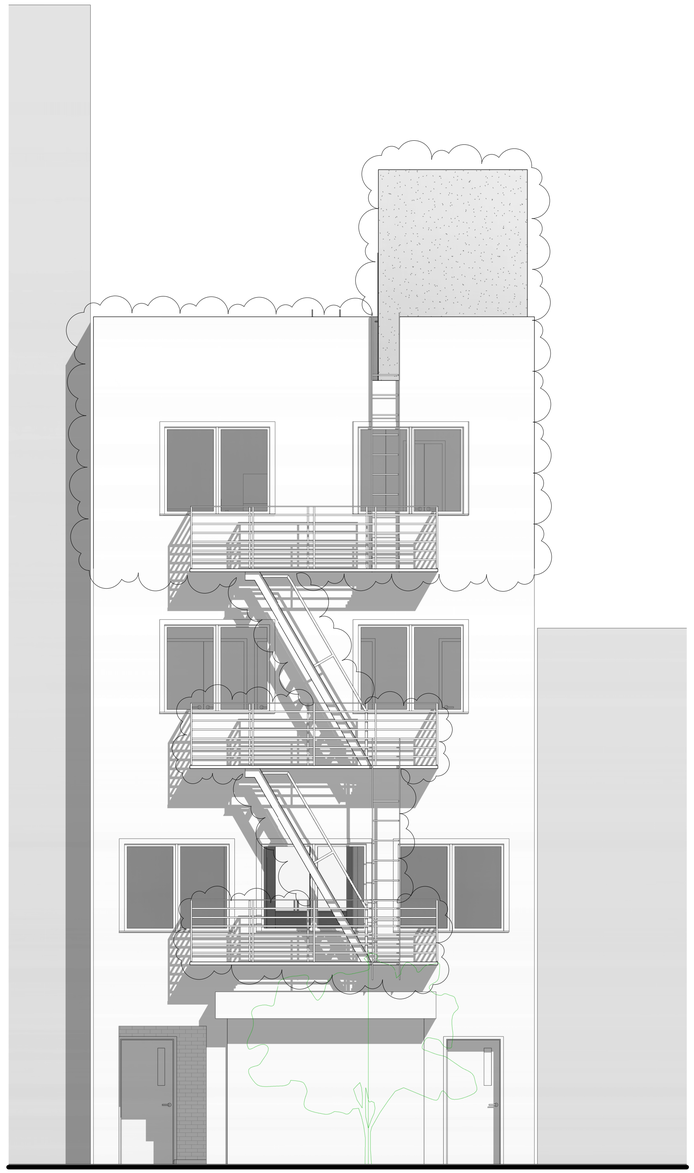
APPENDIX A
Proposed Development Plans

DEPT OF BLDGS 321471073 Job Number
ES370202495 Scan Code

374 WALLABOUT STREET

BROOKLYN NY 11206

EXISTING 3 STORY, PROPOSED 4 STORY RESIDENTIAL BUILDING
3 DWELLING UNITS
ALTERATION TYPE 1



SITE	
ADDRESS	374 WALLABOUT STREET, BROOKLYN NY 11206
BLOCK	2266
LOT	13
ZONING DISTRICT	R7A
ZONING MAP	13b
LOT AREA	2,500 SF
USE GROUP	2
CONSTRUCTION CLASS	1-B
OCCUPANCY GROUP	R-2

DRAWING LIST	
ARCHITECTURAL DOC 01	
T-100	TITLE SHEET
Z-100	ZONING ANALYSIS
Z-101	ZONING PLOT PLAN
Z-102	ZONING MAPS & SURVEY
Z-103	ZONING FLOOD MAP
Z-104	ZONING GROSS AREA PLANS
Z-105	CODE ANALYSIS (2014 CODE)
G-100	GENERAL NOTES
G-101	GENERAL NOTES
A-100	CELLAR & 1ST FLOOR PLAN
A-101	2ND FLOOR & 3RD FLOOR PLAN
A-102	4TH FLOOR & ROOF PLAN
A-103	BULKHEAD PLAN
A-200	FRONT & REAR ELEVATION
A-201	SOUTH ELEVATION
A-202	NORTH ELEVATION
A-300	BUILDING SECTIONS
A-301	BUILDING SECTIONS
A-302	WALL SECTIONS GENERAL TYPES
A-303	WALL DETAILS
A-400	STAIRS DETAILS
A-401	BUILDING DETAILS
A-402	BUILDING DETAILS
A-404	BUILDING ASSEMBLIES
A-403	DOOR AND WINDOW DETAILS
A-405	PARTITION DETAILS
A-406	ADA DETAILS
A-407	ADA DETAILS
A-500	REFLECTED CEILING PLAN
A-501	REFLECTED CEILING PLAN
A-600	DOOR SCHEDULE
A-601	WINDOW SCHEDULE
EN-100	ENERGY ANALYSIS
TOTAL: 33	

RELATED APPLICATIONS

SPRINKLERS	- TO BE FILED UNDER SEPARATE APPLICATION
STRUCTURAL	- TO BE FILED UNDER SEPARATE APPLICATION
FOUNDATION	- TO BE FILED UNDER SEPARATE APPLICATION
BOILER	- TO BE FILED UNDER SEPARATE APPLICATION
FIRE ALARM	- TO BE FILED UNDER SEPARATE APPLICATION
FENCE SHED	- TO BE FILED UNDER SEPARATE APPLICATION

DIEGO AGUILERA ARCHITECTS, DESIGN &

DIEGO AGUILERA ARCHITECTS P.C.
97-40 62ND DRIVE. SUITE # 4L
REGO PARK NY 11374
(718) 896 9432
DBAGUILERA@AOL.COM

DESIGN CONSULTANT:

SAMUEL WIEDER + ASSOCIATES
389 WILLOUGHBY AVENUE, SUITE #301
BROOKLYN NY, 11205
T. 718.484.3201

STRUCTURAL ENGINEER:

Krzysztof Bajda
APPROVED
Date: 03/30/2021

MEP ENGINEER:

MUNICIPAL CONSULTANT:

No.	Description	Date
2	PAA	04/26/2021
1	DOB FILING	12/20/2017

SITE MAP



LOCATION:

374 WALLABOUT STREET, BROOKLYN NY 11206

PROJECT:

EXISTING 3 STORY, PROPOSED 4 STORY RESIDENTIAL BUILDING

DRAWING TITLE:

TITLE SHEET

DOB APPLICATION # :

DOB BSCAN :

SEAL AND SIGNATURE

REGISTERED ARCHITECT DIEGO S. AGUILERA No. 032517 STATE OF NEW YORK

DATE: 6/8/2021 8:40:25 AM
SCALE:
DRAWING BY: SW
DRAWING No.:

T-100.01

SHEET 1 OF 33

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6/8/2021 8:40:25 AM

DEPT OF BLDGS 321471073 Job Number

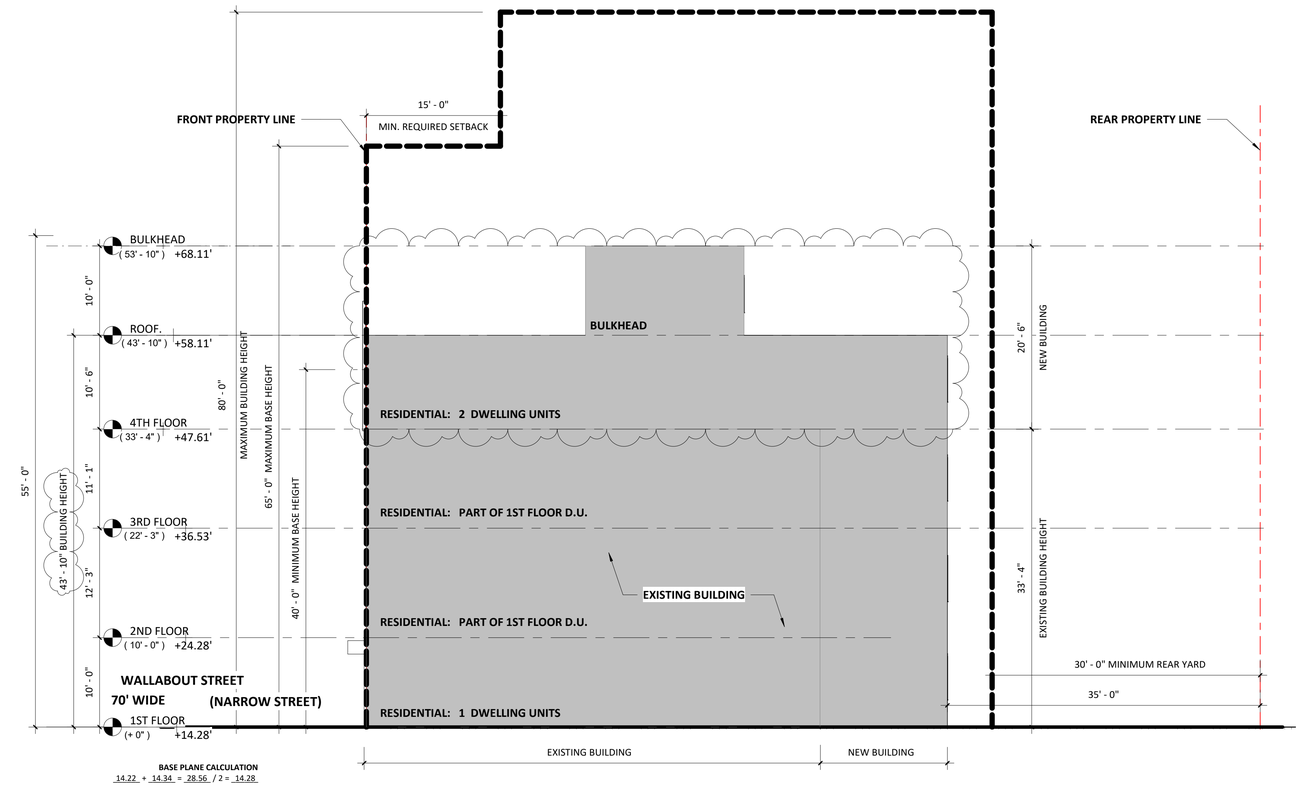
ES369089657 Scan Code

SITE

ADDRESS	374 WALLABOUT STREET, BROOKLYN NY 11206
BLOCK	2266
LOT	13
ZONING DISTRICT	R7A
ZONING MAP	13b
LOT AREA	2,500 SF
USE GROUP	2
CONSTRUCTION CLASS	1-B
OCCUPANCY GROUP	R-2

ZONING ANALYSIS

SECTION	DESCRIPTION	MAX. ALLOWED OR MIN. REQ'D	PROPOSED
ZR 22-12	USES PERMITTED AS-OF-RIGHT	USE GROUPS: (RESIDENTIAL)1-4	USE GROUP: 2
ZR 23-154(b)	MAX. FLOOR AREA RATIO	3.45	3.2
ZR 23-153	MAX. FLOOR AREA	8,625 SF = (2,500 X3.45) = 8,625 SF	6,570 SF
ZR 23-153	MAX. LOT COVERAGE	65% (2,500 SF X .65 = 1,625 SF)	1,603 SF
ZR 23-22	MAX. # DWELLING UNITS	680	
	MAX. # DWELLING UNITS	12 DWELLING UNITS (8,015 SF/ 680 = 12)	3
ZR 23-462(c)	MIN. SIDE YARD	N/A	0'-0"
ZR 23-47	MIN. REAR YARD	30' MINIMUM	35'-0"
ZR 23-661(a)	FRONT YARD / STREET WALL LOCATION	A BUILDING ON ZONING LOTS WITH LESS THAN 50 FEET OF FRONTAGE ALONG A STREET LINE, THE STREET WALL SHALL BE LOCATED NO CLOSER TO NOR FURTHER FROM THE STREET LINE THAN THE STREET WALL OF AN ADJACENT EXISTING	ON THE P.L.-BUILDING ALIGNS W/ ADJACENT BLDG
ZR 23-662(c)(1)	REQUIRED SETBACK	FRONT SETBACK 15'-0" @ NARROW STREET	0' SETBACK
ZR 23-662(a)	BASE HEIGHT	MIN. 40'-0'' MAX. 65'-0''	0' SETBACK
ZR 23-662(a)	MAX. BUILDING HEIGHT	80'-0"	43'-10"
ZR 25-241, ZR-25-261	MIN. PARKING SPACES	50% OF DWELLING UNITS IF MORE THAN 5 SPACES REQ.	(5 X.5 = 3 PER LOT) 3 OR LESS THEREFORE N/A
ZR 25-811	BICYCLE PARKING	1 PER 2 DWELLING UNITS IF MORE THAN 10 UNITS	3 UNITS PROPOSED, N/A
ZR 26-41	STREET TREE PLANTING	ONE TREE PER 25 FEET OF ZONING LOT STREET FRONTAGE.	1 NEW TREE



BASE PLANE CALCULATION
14.22 + 14.34 = 28.56 / 2 = 14.28

1 **HEIGHT & SETBACK DIAGRAM**
SCALE: 1/8" = 1'-0"

FLOOR LEVEL	EXISTING FLOOR AREA DIMENSION			AREA	NEW FLOOR AREA DIMENSION			AREA
CELLAR	24.66'	X	50.79'	1,252.48 SF	24.66'	X	14.2'	350.17 SF
1ST FLOOR	24.66'	X	50.79'	1,252.48 SF	24.66'	X	14.2'	350.17 SF
2ND FLOOR	24.66'	X	50.79'	1,252.48 SF	24.66'	X	14.2'	350.17 SF
3RD FLOOR	24.66'	X	50.79'	1,252.48 SF	24.66'	X	14.2'	350.17 SF
4TH FLOOR	-	-	-	-	24.66'	X	65'	1,602.9 SF
ROOF	-	-	-	-	17.75'	X	8.33'	155.85 SF
BULKHEAD	-	-	-	-	-	-	-	-
TOTAL				5,009.92 SF				3,159.43 SF
110% OF EXISTING FA				5,009.92 SF x 110% =				5,510.91 SF
NEW FLOOR AREA				3,159.43 SF OK<				5,510.91 SF

AREA ZFA FLOOR AREA SCHEDULE

LEVEL	GFA	DEDUCTIONS	ZFA
CELLAR	1,603 SF	1,603 SF	0 SF
1ST FLOOR	1,603 SF	0 SF	1,603 SF
2ND FLOOR	1,603 SF	0 SF	1,603 SF
3RD FLOOR	1,603 SF	0 SF	1,603 SF
4TH FLOOR	1,603 SF	0 SF	1,603 SF
ROOF.	156 SF	0 SF	156 SF
TOTAL	8,173 SF		6,570 SF < 8,625 SF THEREFORE OK

ZONING QUALITY HOUSING REGULATIONS

SECTION	DESCRIPTION	MAX. ALLOWED OR MIN. REQ'D	PROPOSED
ZR 23-011 (b)	QUALITY HOUSING PROGRAM	BULK REGULATIONS APPLICABLE TO QUALITY HOUSING BUILDINGS MAY BE APPLIED AS AN ALTERNATIVE.	COMPLIES
ZR 28-01	APPLICATION OF QUALITY HOUSING REGULATIONS	QUALITY HOUSING PROGRAM STANDARDS AND REQUIREMENTS IN CONJUNCTION WITH BULK PROVISIONS FOR QUALITY HOUSING BUILDINGS	COMPLIES
ZR 28-11	ELEVATED GROUND FLOOR UNITS	UP TO 100 SF OF ENTRYWAYS FOR EACH 1'-0" OF DIFFERENCE BETWEEN FLOOR LEVEL OF #DWELLING UNITS# AND #CURB LEVEL#. MAX 500 SF DEDUCTION ALLOWED	N/A,
ZR 28-13	LAUNDRY FACILITIES	1 PER 20 DWELLING UNITS	COMPLIES
ZR 28-21	RECREATION SPACE REQ. FOR 9 D.U. & OVER	3.3% OF FLOOR AREA	N/A,
ZR 28-23	PLANTING AREAS	AREA BETWEEN THE STREET LINE AND THE STREET WALL SHALL BE PLANTED	N/A,
ZR 28-31	DENSITY PER CORRIDOR	50% OF CORRIDOR AREA CAN BE EXCLUDED FROM F.A. IF LESS THAN 11 D.U.'S ARE SERVED BY THE CORRIDOR PER STORY.	N/A,
ZR 28-40	PARKING FOR QUALITY HOUSING	ACCESSORY OFF-STREET PARKING SHALL BE PROVIDED AS SET FORTH IN THE APPLICABLE DISTRICT REGULATIONS.	N/A,

DIEGO AGUILERA ARCHITECTS, DESIGN &

DIEGO AGUILERA ARCHITECTS P.C.
97-40 62ND DRIVE. SUITE # 4L
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DESIGN CONSULTANT:

SAMUEL WIEDER + ASSOCIATES
389 WILLOUGHBY AVENUE, SUITE #301
BROOKLYN NY, 11205
T. 718.484.3201

STRUCTURAL ENGINEER:

Krzysztof Bajda
APPROVED
DATE: 02/30/2021

MEP ENGINEER:

MUNICIPAL CONSULTANT:

No.	Description	Date
2	PAA	04/26/2021
1	DOB FILING	12/20/2017

SITE MAP



LOCATION:
374 WALLABOUT STREET, BROOKLYN NY 11206

PROJECT:
EXISTING 3 STORY, PROPOSED 4 STORY RESIDENTIAL BUILDING

DRAWING TITLE:
ZONING ANALYSIS

DOB APPLICATION # :

DOB BSCAN :

SEAL AND SIGNATURE

DATE: 6/8/2021 8:40:28 AM
SCALE: As indicated
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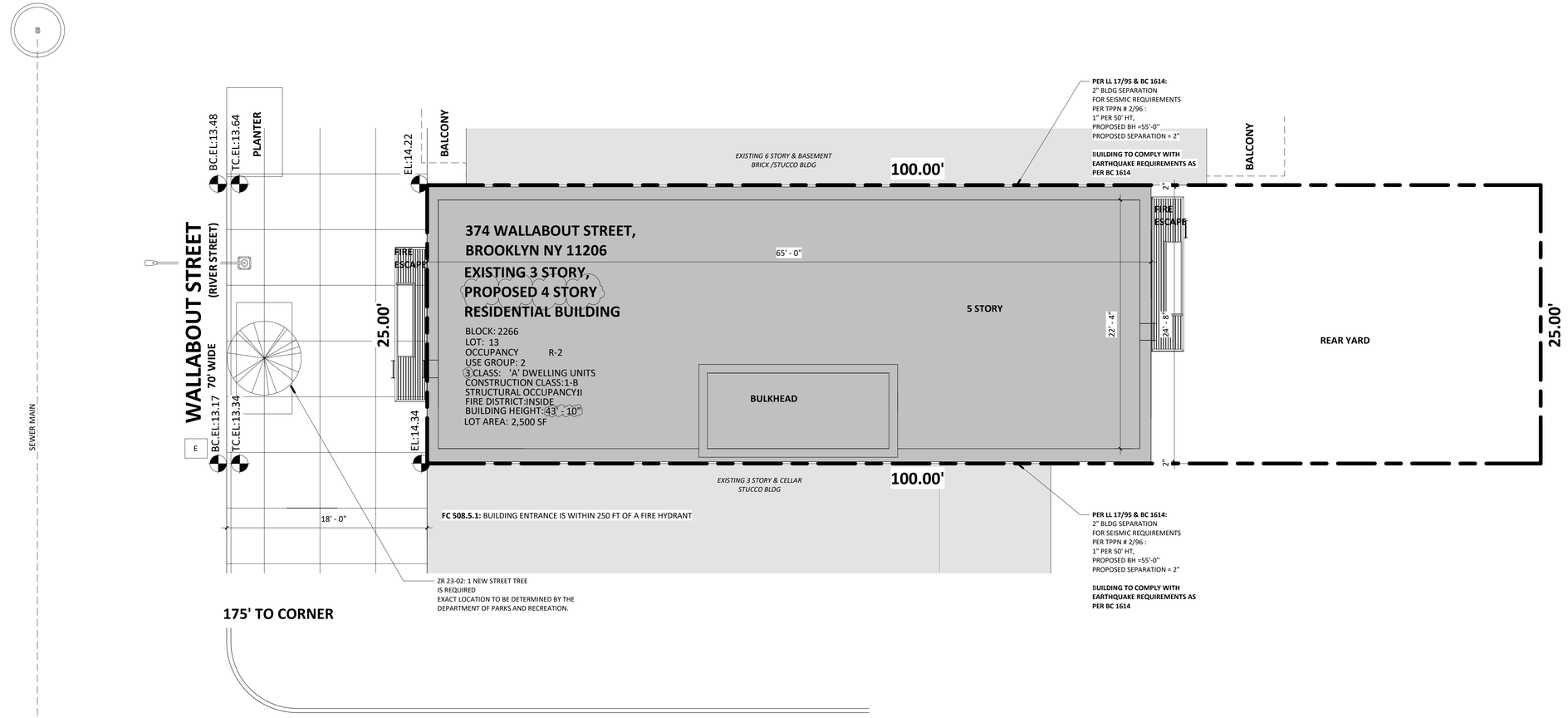
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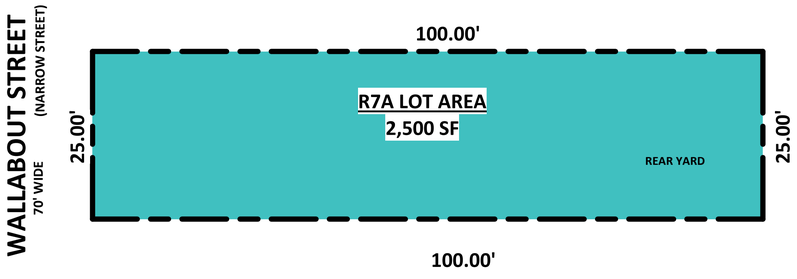
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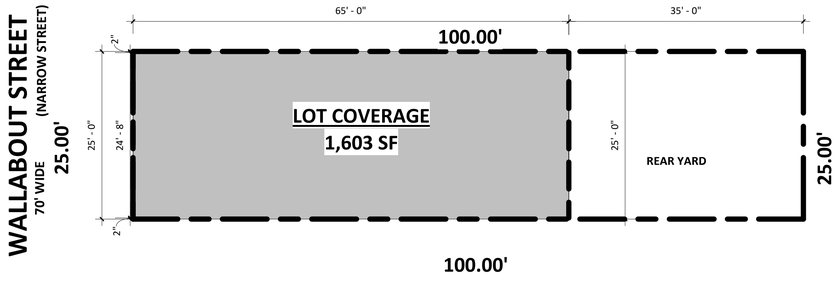
1 PLOT PLAN

SCALE: 3/16" = 1'-0"



2 LOT AREA DIAGRAM

SCALE: 3/32" = 1'-0"



R7A: 65% = (2,500 SF X 0.65) = 1,625 SF
TOTAL ALLOWABLE = 1,625 SF

3 SITE PLAN_LOT COVERAGE DIAGRAM

SCALE: 3/32" = 1'-0"

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DESIGN CONSULTANT:

SAMUEL WIEDER + ASSOCIATES
389 WILLOUGHBY AVENUE, SUITE #301
BROOKLYN NY, 11205
T. 718.484.3201

STRUCTURAL ENGINEER:

Krzysztof Bajda
APPROVED
DATE: 02/30/2021

MEP ENGINEER:

MUNICIPAL CONSULTANT:

No.	Description	Date
2	PAA	04/26/2021
1	DOB FILING	12/20/2017

SITE MAP



LOCATION:
374 WALLABOUT STREET, BROOKLYN NY 11206

PROJECT:
EXISTING 3 STORY, PROPOSED 4 STORY RESIDENTIAL BUILDING

DRAWING TITLE:
ZONING PLOT PLAN

DOB APPLICATION # :

DOB BSCAN :

SEAL AND SIGNATURE

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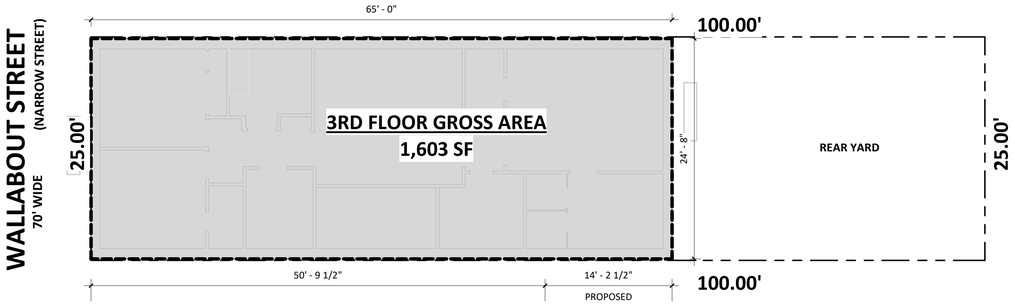
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SHEET 3 OF 33

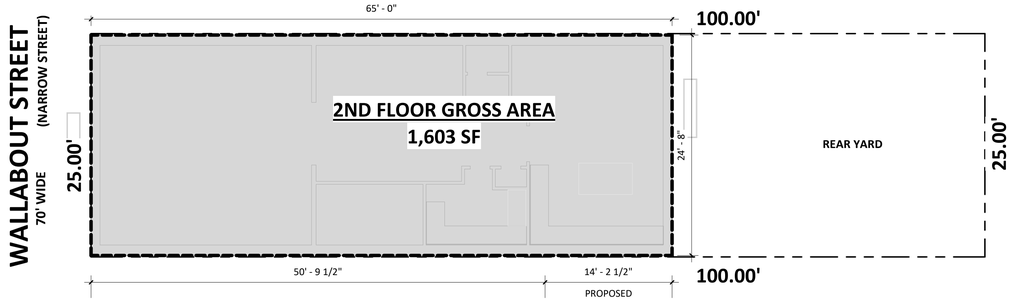
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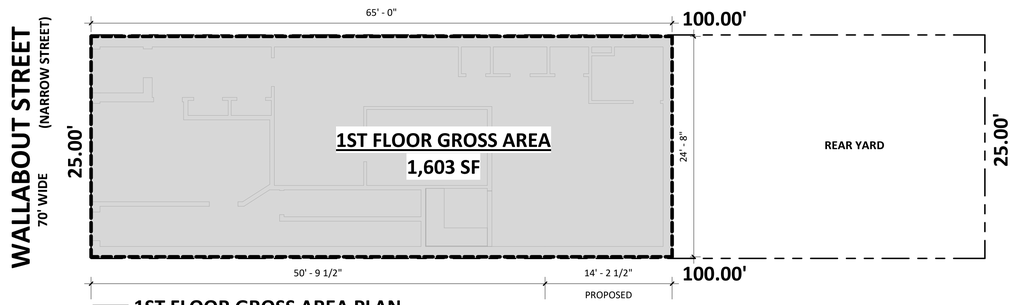
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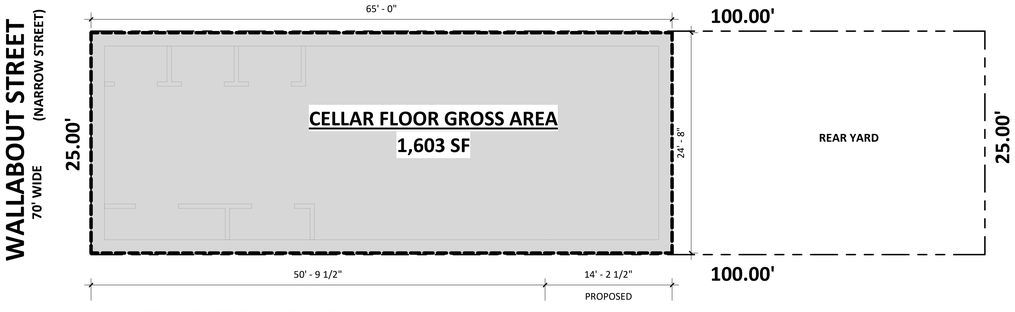
4 **3RD FLOOR GROSS AREA PLAN**
SCALE: 1/8" = 1'-0"



3 **2ND FLOOR GROSS AREA PLAN**
SCALE: 1/8" = 1'-0"



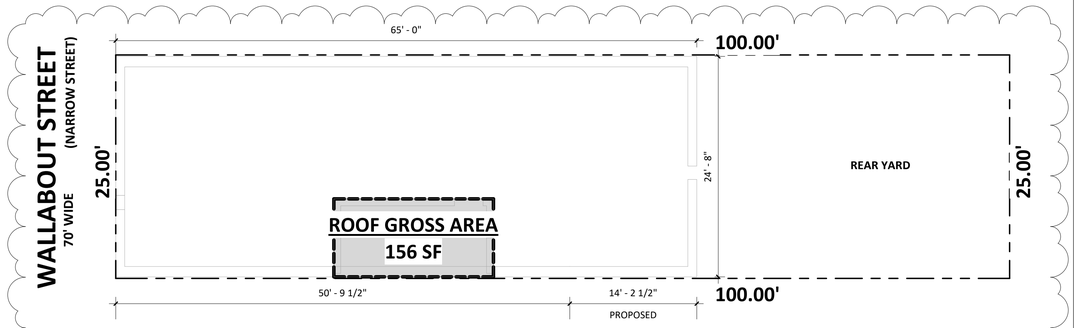
2 **1ST FLOOR GROSS AREA PLAN**
SCALE: 1/8" = 1'-0"



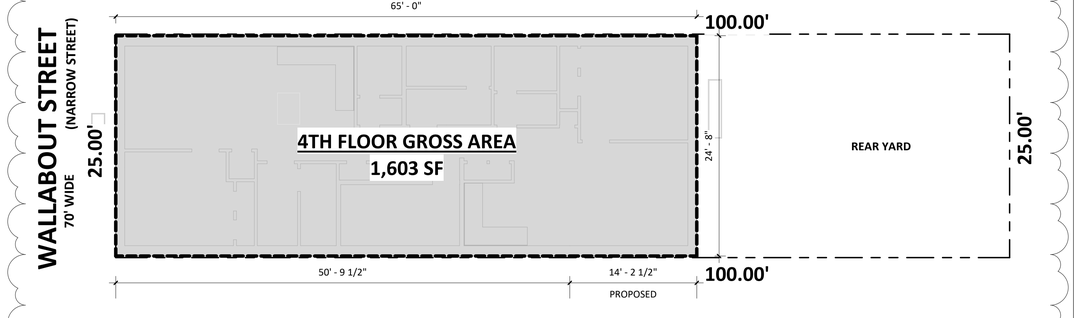
1 **CELLAR GROSS AREA PLAN**
SCALE: 1/8" = 1'-0"

AREA ZFA FLOOR AREA SCHEDULE

LEVEL	GFA	DEDUCTIONS	ZFA
CELLAR	1,603 SF	1,603 SF	0 SF
1ST FLOOR	1,603 SF	0 SF	1,603 SF
2ND FLOOR	1,603 SF	0 SF	1,603 SF
3RD FLOOR	1,603 SF	0 SF	1,603 SF
4TH FLOOR	1,603 SF	0 SF	1,603 SF
ROOF.	156 SF	0 SF	156 SF
TOTAL	8,173 SF	6,570 SF	< 8,625 SF THEREFORE OK



6 **ROOF GROSS AREA PLAN**
SCALE: 1/8" = 1'-0"



5 **4TH FLOOR GROSS AREA PLAN**
SCALE: 1/8" = 1'-0"

N

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BROOKLYN NY, 11205
T. 718.484.3201

STRUCTURAL ENGINEER:

Krzysztof Bajda
APPROVED
DOB NYC Buildings
Date: 12/30/2021

MEP ENGINEER:

MUNICIPAL CONSULTANT:

No.	Description	Date
2	PAA	04/26/2021
1	DOB FILING	12/20/2017

SITE MAP



LOCATION:

374 WALLABOUT STREET, BROOKLYN NY 11206

PROJECT:

EXISTING 3 STORY, PROPOSED 4 STORY RESIDENTIAL BUILDING

DRAWING TITLE:

ZONING GROSS AREA PLANS

DOB APPLICATION # :

DOB BSCAN :

SEAL AND SIGNATURE



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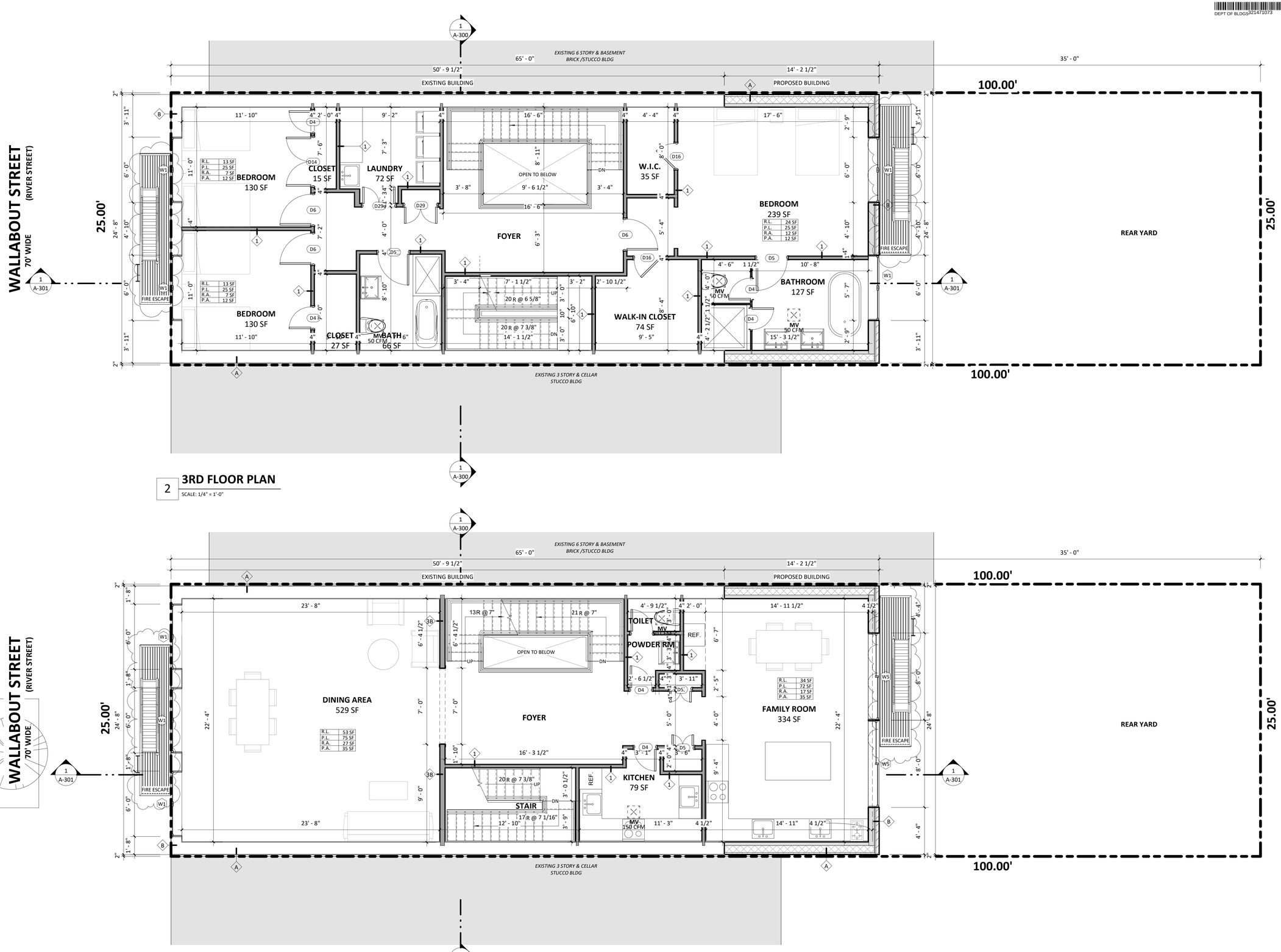
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SHEET 6 OF 33

6/8/2021 8:40:33 AM

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ES731939466 Scan Code



2 **3RD FLOOR PLAN**
SCALE: 1/4" = 1'-0"

1 **2ND FLOOR PLAN**
SCALE: 1/4" = 1'-0"

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DESIGN CONSULTANT:

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BROOKLYN NY, 11205
T. 718.484.3201

STRUCTURAL ENGINEER:

Krzysztof Bajda
APPROVED
DATE: 02/30/2021

MEP ENGINEER:

MUNICIPAL CONSULTANT:

No.	Description	Date
2	PAA	04/26/2021
1	DOB FILING	12/20/2017

SITE MAP



LOCATION:

374 WALLABOUT STREET, BROOKLYN NY 11206

PROJECT:

EXISTING 3 STORY, PROPOSED 4 STORY RESIDENTIAL BUILDING

DRAWING TITLE:

2ND FLOOR & 3RD FLOOR PLAN

DOB APPLICATION # :

DOB BSCAN :

SEAL AND SIGNATURE

REGISTERED ARCHITECT DIEGO S. AGUILERA NO. 032573 STATE OF NEW YORK

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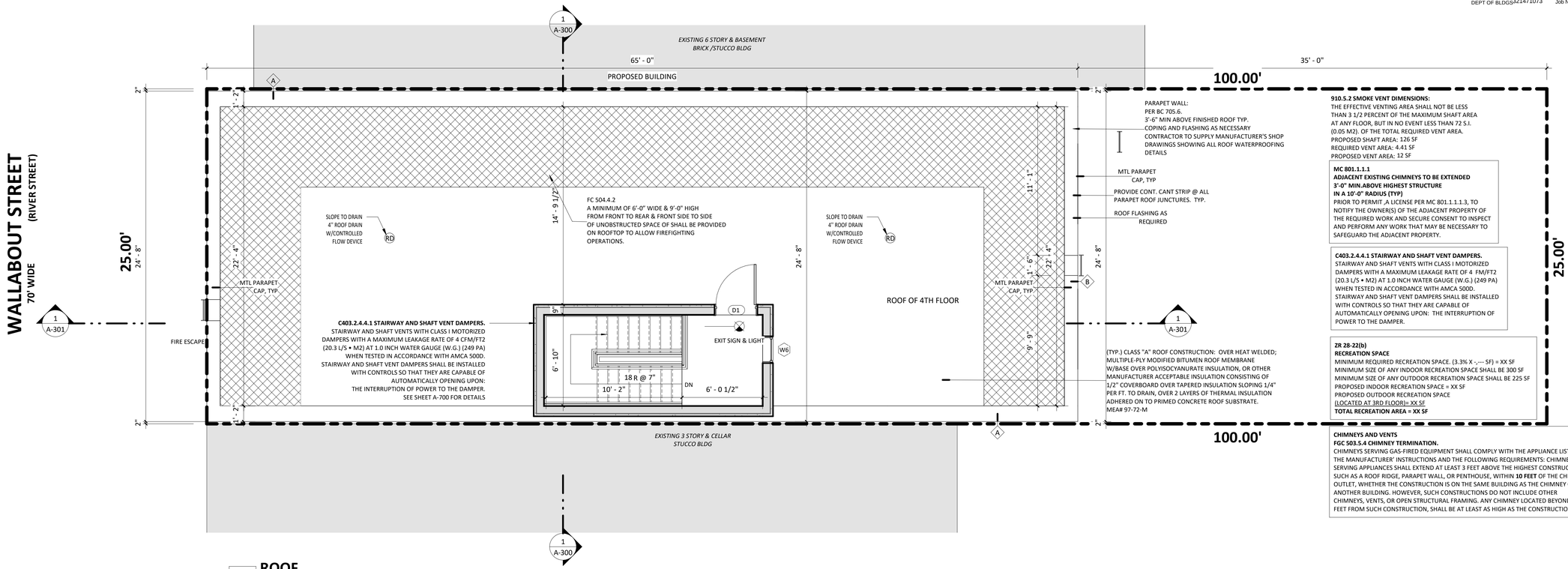
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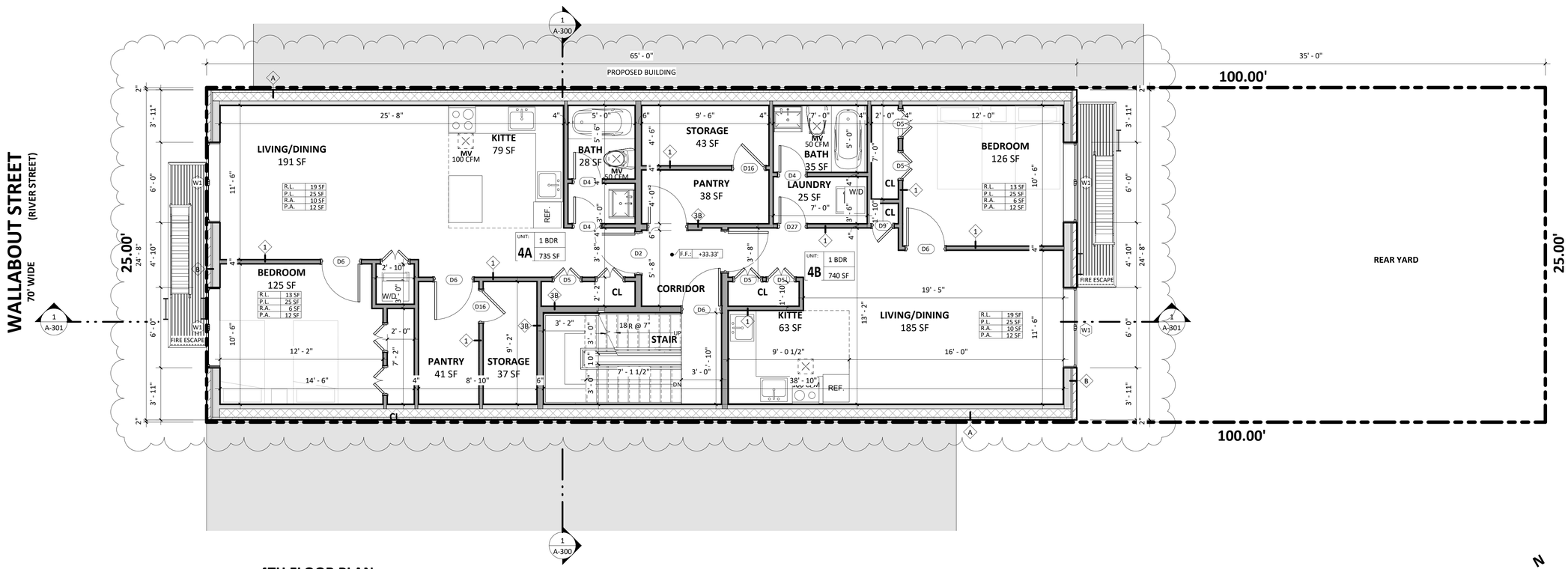
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ES245007104 Scan Code



2 ROOF.

SCALE: 1/4" = 1'-0"



1 4TH FLOOR PLAN

SCALE: 1/4" = 1'-0"

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DESIGN CONSULTANT:

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STRUCTURAL ENGINEER:

Krzysztof Bajda
APPROVED
DATE: 09/30/2021

MEP ENGINEER:

MUNICIPAL CONSULTANT:

No.	Description	Date
2	PAA	04/26/2021
1	DOB FILING	12/20/2017

SITE MAP



LOCATION:

374 WALLABOUT STREET, BROOKLYN NY 11206

PROJECT:

EXISTING 3 STORY, PROPOSED 4 STORY RESIDENTIAL BUILDING

DRAWING TITLE:

4TH FLOOR & ROOF PLAN

DOB APPLICATION # :

DOB BSCAN :

SEAL AND SIGNATURE

REGISTERED ARCHITECT DIEGO G. AGUILERA No. 032673 STATE OF NEW YORK

DATE: 6/8/2021 8:39:54 AM
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SHEET 12 OF 33

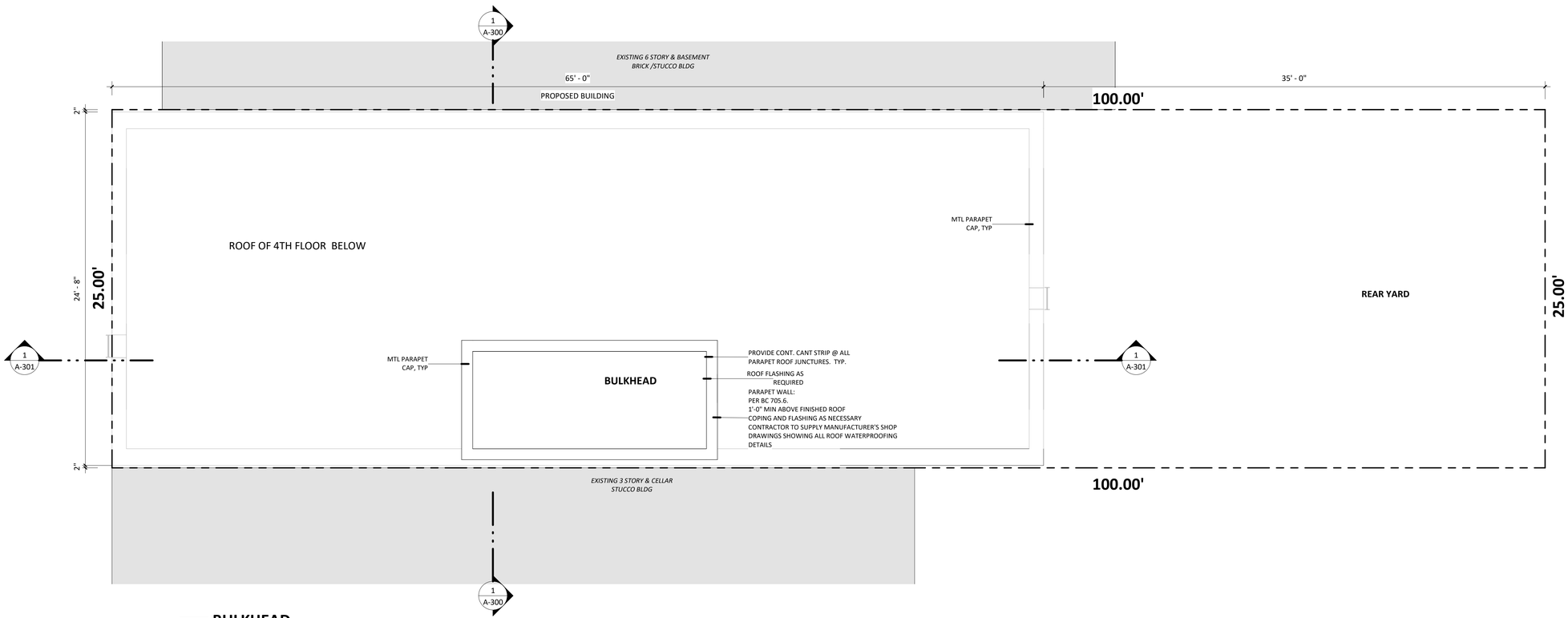
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ES812778967 Scan Code

WALLABOUT STREET
70' WIDE
(RIVER STREET)



1 **BULKHEAD**
SCALE: 1/4" = 1'-0"

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DESIGN CONSULTANT:

SAMUEL WIEDER + ASSOCIATES
389 WILLOUGHBY AVENUE, SUITE #301
BROOKLYN NY, 11205
T. 718.484.3201

STRUCTURAL ENGINEER:

Krzysztof Bajda
APPROVED
DATE: 02/30/2021

MEP ENGINEER:

MUNICIPAL CONSULTANT:

No.	Description	Date
1	DOB FILING	12/20/2017

SITE MAP



LOCATION:

374 WALLABOUT STREET, BROOKLYN NY 11206

PROJECT:

EXISTING 3 STORY, PROPOSED 4 STORY RESIDENTIAL BUILDING

DRAWING TITLE:

BULKHEAD PLAN

DOB APPLICATION # :

DOB BSCAN :

SEAL AND SIGNATURE

REGISTERED ARCHITECT DIEGO B. AGUILERA No. 032570 STATE OF NEW YORK

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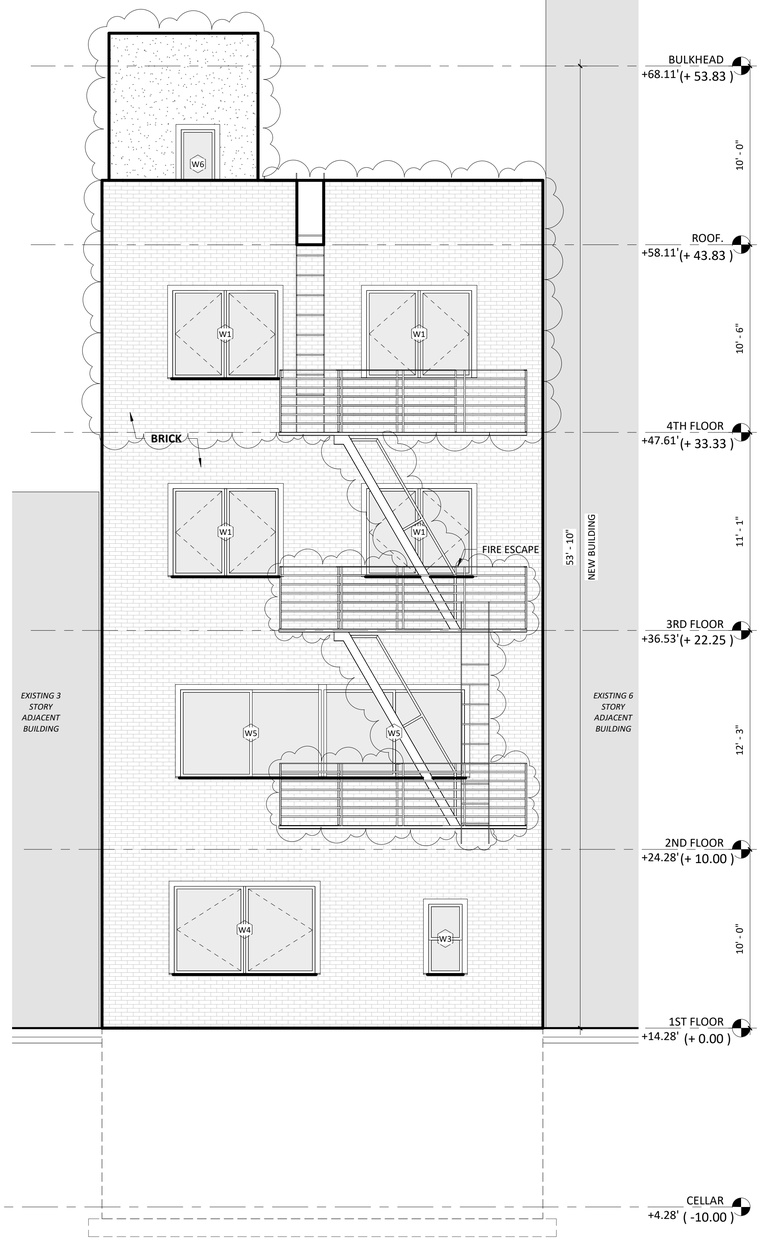
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SHEET 13 OF 33

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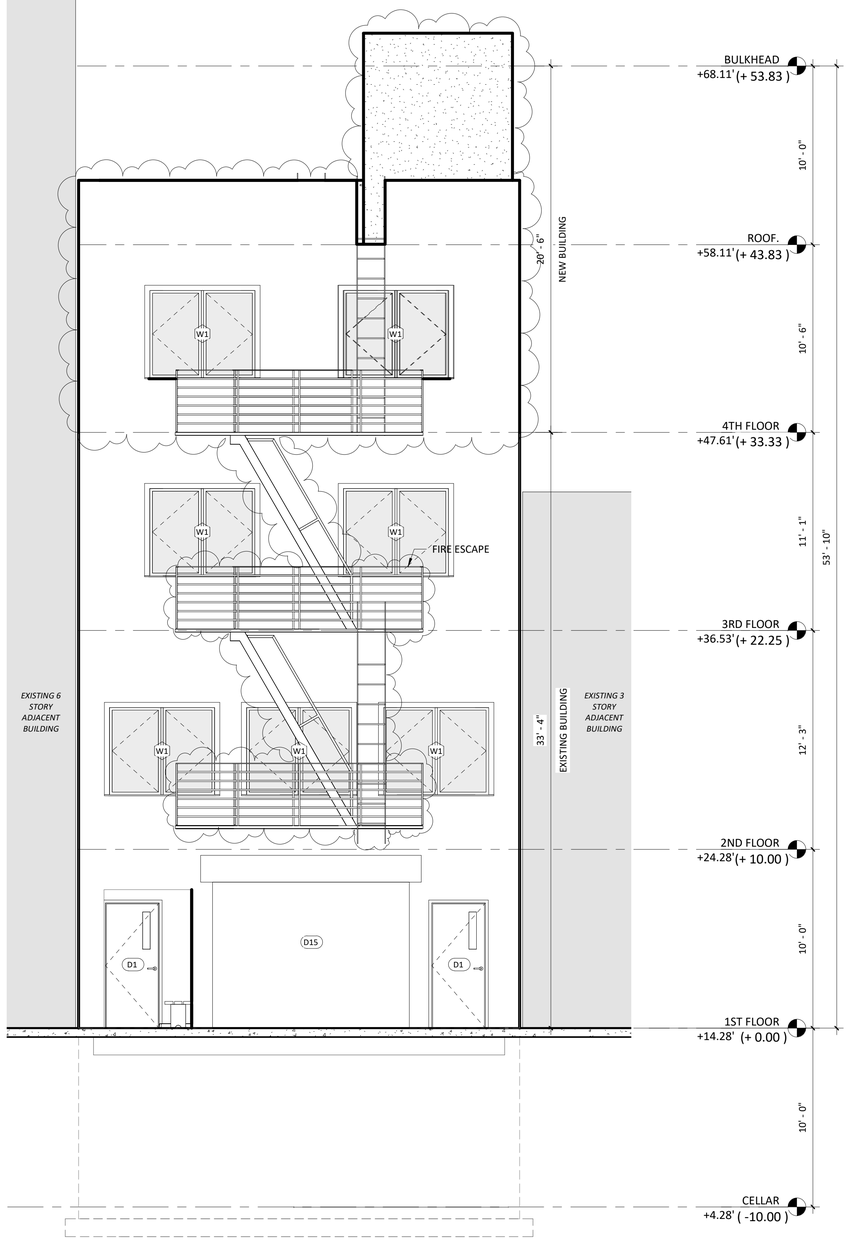
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DEPT OF BLDGS 321471073 Job Number
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1 **REAR (EAST) ELEVATION**

SCALE: 1/4" = 1'-0"



2 **WALLABOUT (WEST) ELEVATION**

SCALE: 1/4" = 1'-0"

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DESIGN CONSULTANT:

SAMUEL WIEDER + ASSOCIATES
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BROOKLYN NY, 11205
T. 718.484.3201

STRUCTURAL ENGINEER:

Krzysztof Bajda
APPROVED
Date: 09/30/2021

MEP ENGINEER:

MUNICIPAL CONSULTANT:

No.	Description	Date
2	PAA	04/26/2021
1	DOB FILING	12/20/2017

SITE MAP



LOCATION:

374 WALLABOUT STREET, BROOKLYN NY 11206

PROJECT:

EXISTING 3 STORY, PROPOSED 4 STORY RESIDENTIAL BUILDING

DRAWING TITLE:

FRONT & REAR ELEVATION

DOB APPLICATION # :

DOB BSCAN :

SEAL AND SIGNATURE

REGISTERED ARCHITECT DIEGO S. AGUILERA No. 030673 STATE OF NEW YORK

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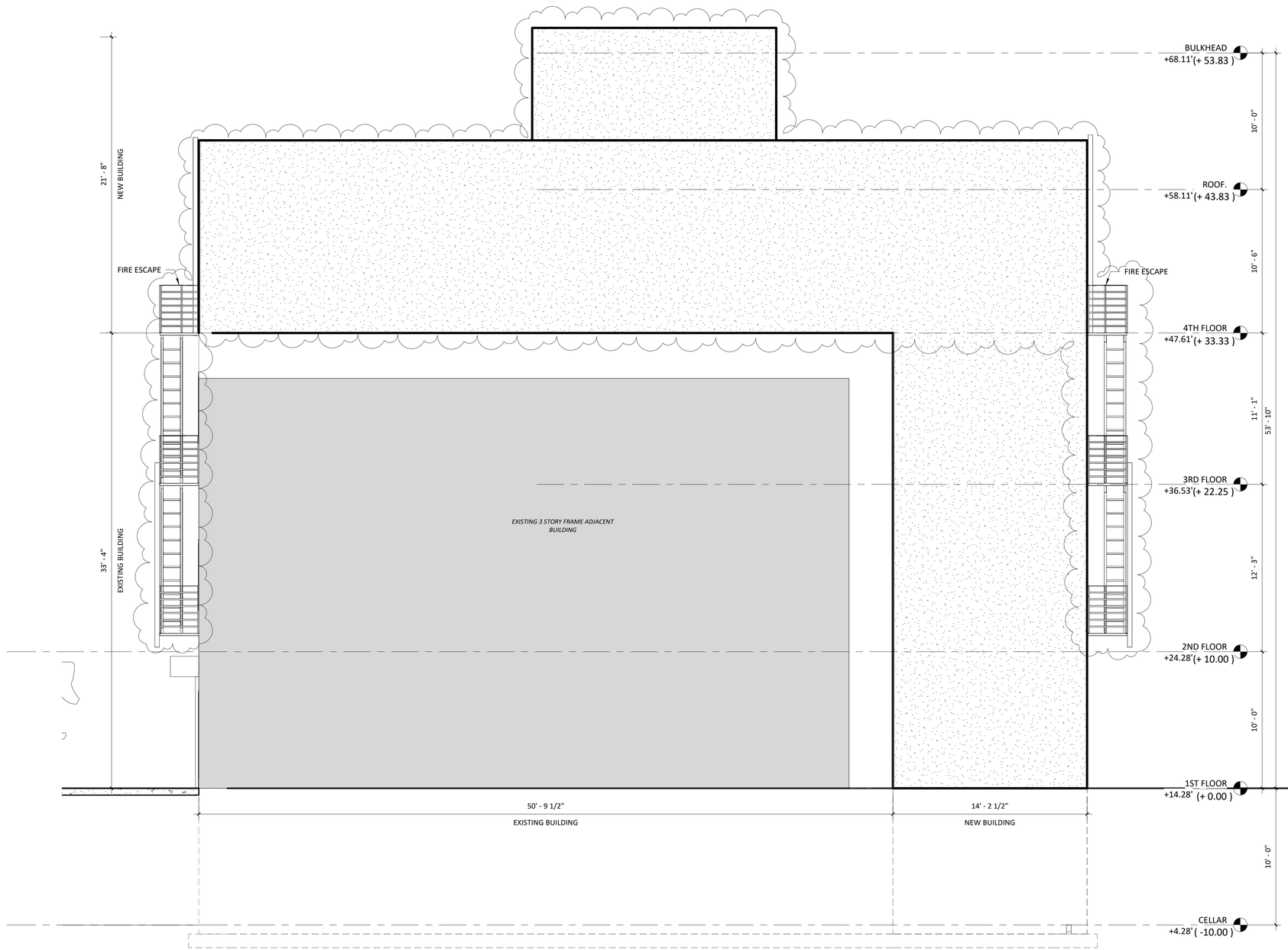
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DEPT OF BLDGS 321471073 Job Number

ES958679616 Scan Code



1 **SOUTH ELEVATION**

SCALE: 1/4" = 1'-0"

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97-40 62ND DRIVE. SUITE # 4L
REGO PARK NY 11374
(718) 896 9432
DBAGUILERA@AOL.COM

DESIGN CONSULTANT:

SAMUEL WIEDER + ASSOCIATES
389 WILLOUGHBY AVENUE, SUITE #301
BROOKLYN NY, 11205
T. 718.484.3201

STRUCTURAL ENGINEER:

Krzysztof Bajda
APPROVED
DATE: 12/30/2021

MEP ENGINEER:

MUNICIPAL CONSULTANT:

No.	Description	Date
2	PAA	04/26/2021
1	DOB FILING	12/20/2017

SITE MAP



LOCATION:

374 WALLABOUT STREET, BROOKLYN NY 11206

PROJECT:

EXISTING 3 STORY, PROPOSED 4 STORY RESIDENTIAL BUILDING

DRAWING TITLE:

SOUTH ELEVATION

DOB APPLICATION # :

DOB BSCAN :

SEAL AND SIGNATURE

REGISTERED ARCHITECT DIEGO B. AGUILERA No. 032617 STATE OF NEW YORK

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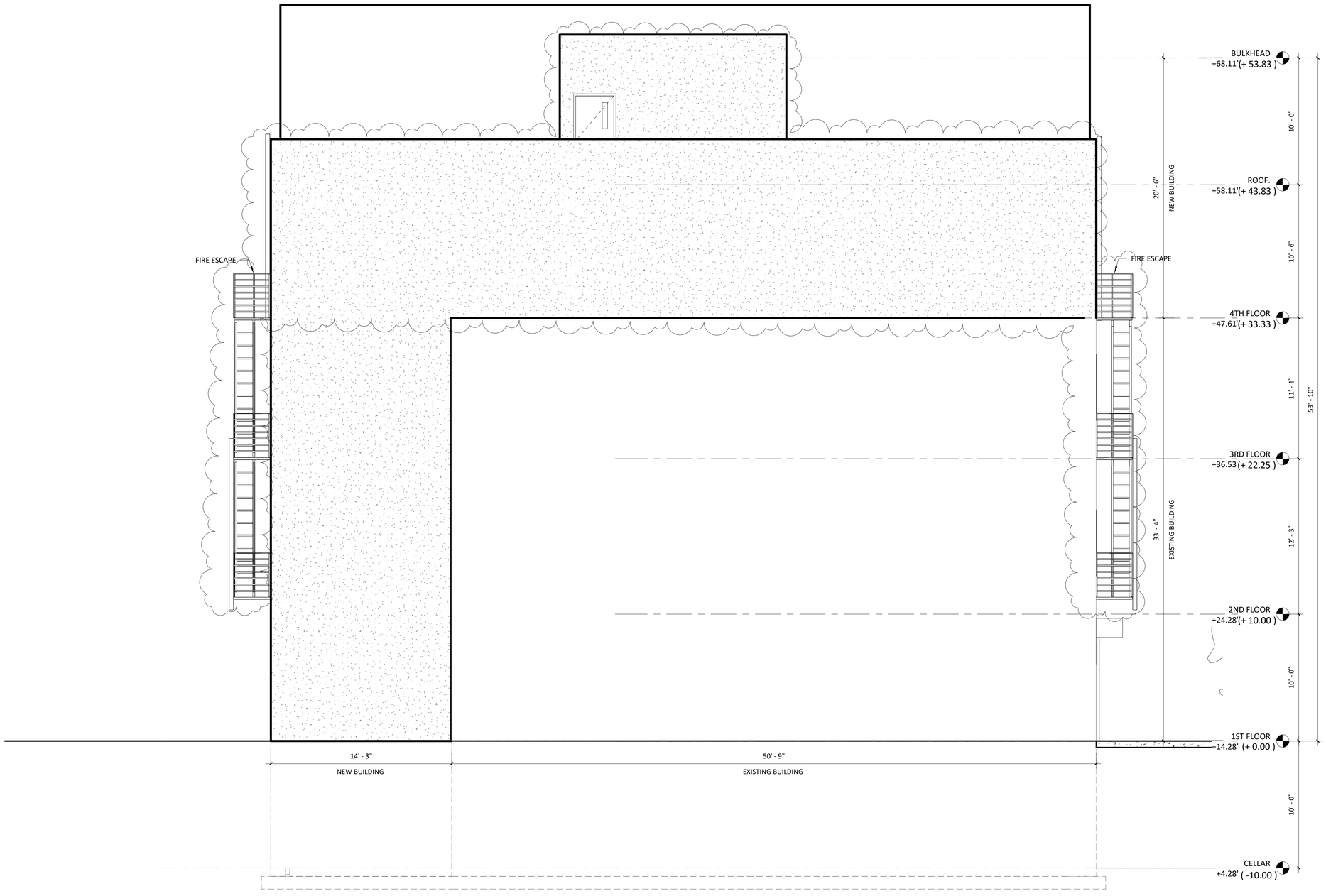
SHEET 15 OF 33

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ES863797584 Scan Code



1 **NORTH ELEVATION**

SCALE: 1/4" = 1'-0"

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DESIGN CONSULTANT:

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389 WILLOUGHBY AVENUE, SUITE #301
BROOKLYN NY, 11205
T. 718.484.3201

STRUCTURAL ENGINEER:

NYC Buildings
Krzysztof Bajda
APPROVED
Date: 12/30/2021

MEP ENGINEER:

MUNICIPAL CONSULTANT:

No.	Description	Date
2	PAA	04/26/2021
1	DOB FILING	12/20/2017

SITE MAP



LOCATION:

374 WALLABOUT STREET, BROOKLYN NY 11206

PROJECT:

EXISTING 3 STORY, PROPOSED 4 STORY RESIDENTIAL BUILDING

DRAWING TITLE:

NORTH ELEVATION

DOB APPLICATION # :

DOB BSCAN :

SEAL AND SIGNATURE

REGISTERED ARCHITECT DIEGO S. AGUILERA No. 032617 STATE OF NEW YORK

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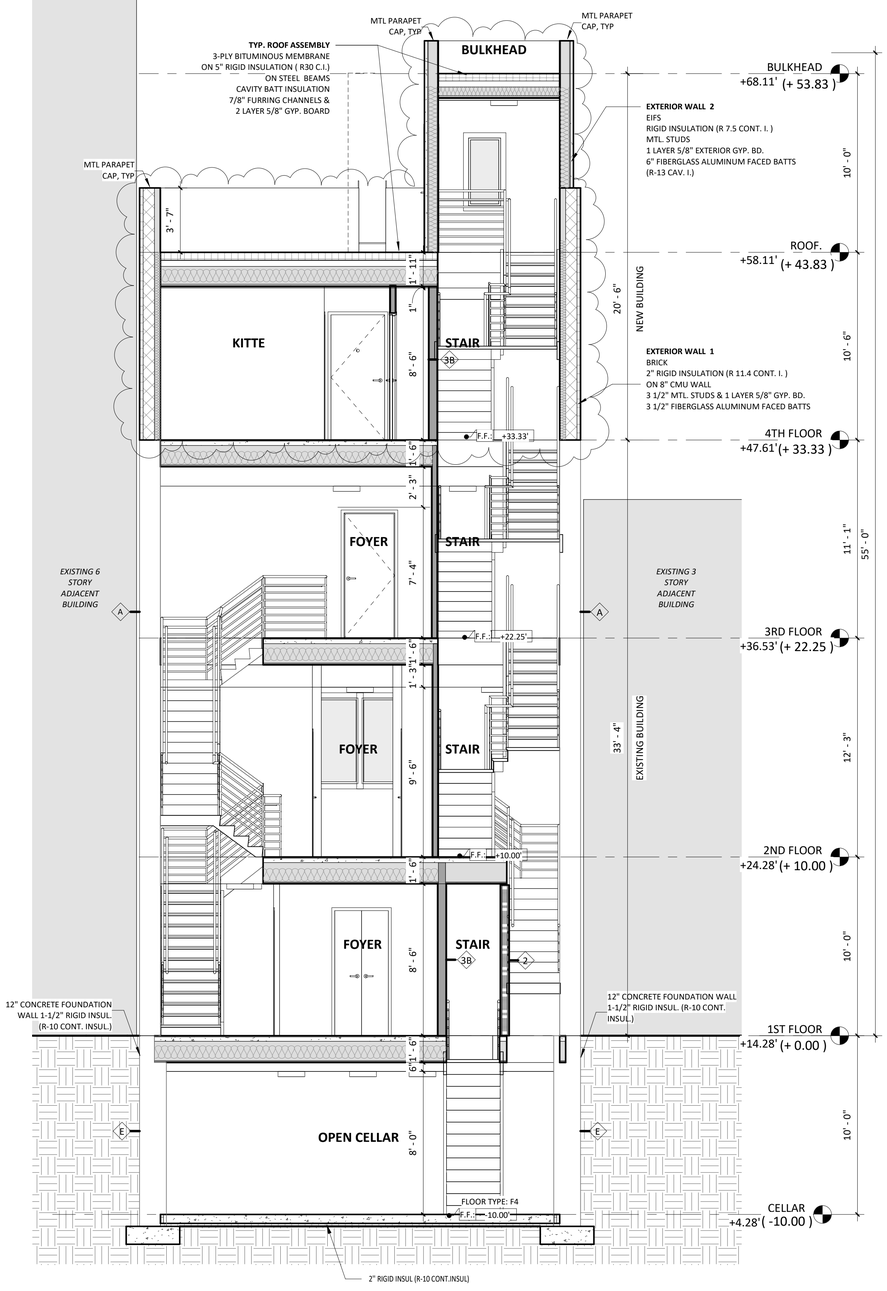
SHEET 16 OF 33

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ES989363889 Scan Code



1 BUILDING SECTION A

SCALE: 1/4" = 1'-0"

NOTE:
REFER TO STRUCTURAL DRAWINGS
FOR STRUCTURAL DESIGN

DIEGO AGUILERA ARCHITECTS, DESIGN &

DIEGO AGUILERA ARCHITECTS P.C.
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DESIGN CONSULTANT:

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389 WILLOUGHBY AVENUE, SUITE #301
BROOKLYN NY, 11205
T. 718.484.3201

STRUCTURAL ENGINEER:

Krzysztof Bajda
APPROVED
DATE: 02/30/2021

MEP ENGINEER:

MUNICIPAL CONSULTANT:

No.	Description	Date
2	PAA	04/26/2021
1	DOB FILING	12/20/2017

SITE MAP



LOCATION:

374 WALLABOUT STREET, BROOKLYN NY 11206

PROJECT:

EXISTING 3 STORY, PROPOSED 4 STORY RESIDENTIAL BUILDING

DRAWING TITLE:

BUILDING SECTIONS

DOB APPLICATION # :

DOB BSCAN :

SEAL AND SIGNATURE



DATE: 6/8/2021 8:40:01 AM
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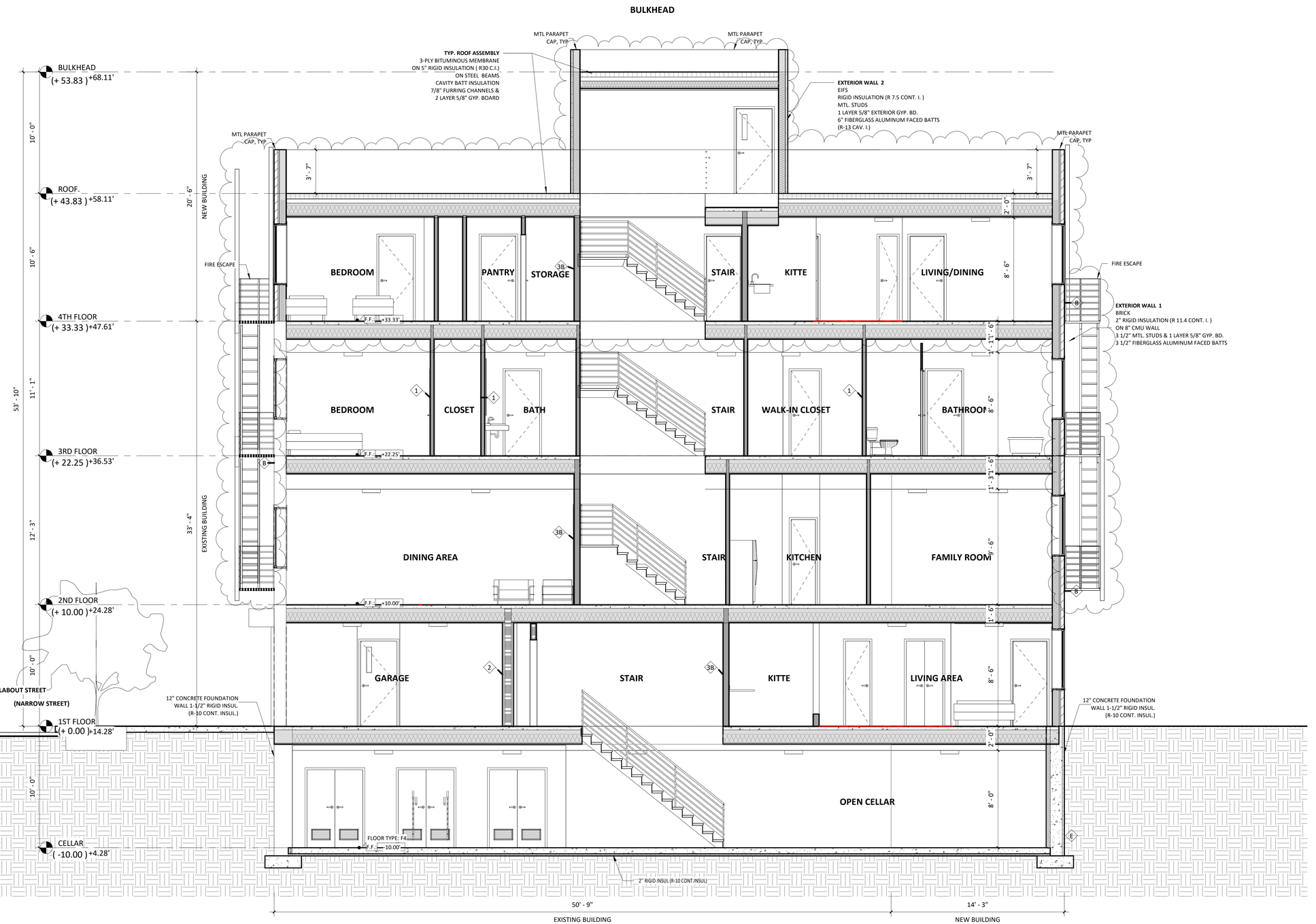
SHEET 17 OF 33

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BULKHEAD

1 **BUILDING SECTION B**

SCALE: 1/4" = 1'-0"

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REGO PARK NY 11374
(718) 896 9432
DBAGUILERA@AOL.COM

DESIGN CONSULTANT:

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389 WILLOUGHBY AVENUE, SUITE #301
BROOKLYN NY, 11205
T. 718.484.3201

STRUCTURAL ENGINEER:

Krzysztof Bajda
APPROVED
DATE: 02/30/2021

MEP ENGINEER:

MUNICIPAL CONSULTANT:

No.	Description	Date
2	PAA	04/26/2021
1	DOB FILING	12/20/2017

SITE MAP



LOCATION:

374 WALLABOUT STREET, BROOKLYN NY 11206

PROJECT:

EXISTING 3 STORY, PROPOSED 4 STORY RESIDENTIAL BUILDING

DRAWING TITLE:

BUILDING SECTIONS

DOB APPLICATION # :

DOB BSCAN :

SEAL AND SIGNATURE

REGISTERED ARCHITECT DIEGO B. AGUILERA No. 032617 STATE OF NEW YORK

DATE: 6/8/2021 8:40:03 AM
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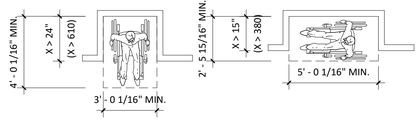
A-301.01

SHEET 18 OF 33

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6/8/2021 8:40:03 AM

CLEAR FLOOR SPACE

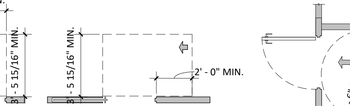


(A) FORWARD (B) PARALLEL APPROACH

FIG. 305.7

MANEUVERING CLEARANCE IN AN ALCOVE

SCALE: 1/4" = 1'-0"

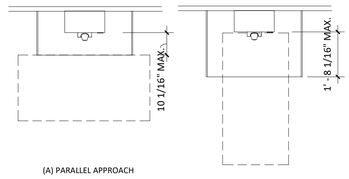


(A) FORWARD (B) PARALLEL

FIG. 405.5

POSITION OF CLEAR FLOOR OR GROUND SPACE

SCALE: 1/4" = 1'-0"



(A) PARALLEL APPROACH (B) FORWARD APPROACH

FIG. 704.2.1

CLEAR FLOOR GROUND SPACE FOR TELEPHONE

SCALE: 3/8" = 1'-0"

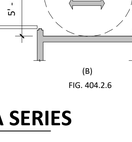


FIG. 306.3

KNEE CLEARANCE

SCALE: 1/4" = 1'-0"

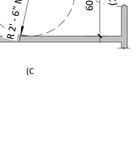


FIG. 306.2

TOE CLEARANCE

SCALE: 1/4" = 1'-0"

BUILDING BLOCKS

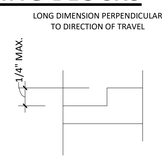


FIG. 303.2

VERTICAL CHANGES IN LEVEL

SCALE: 12" = 1'-0"

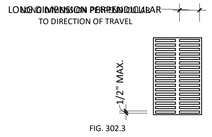


FIG. 302.3

OPENINGS IN FLOOR OR GROUND SURFACES

SCALE: 3/4" = 1'-0"

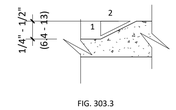
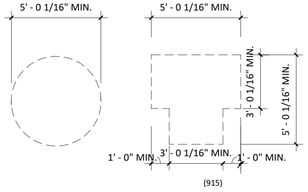


FIG. 303.3

BEVELED CHANGES IN LEVEL

SCALE: 12" = 1'-0"



(A) CIRCULAR (B) T-

FIG. 304.3

SIZE OF WHEELCHAIR TURNING SPACE

SCALE: 1/4" = 1'-0"

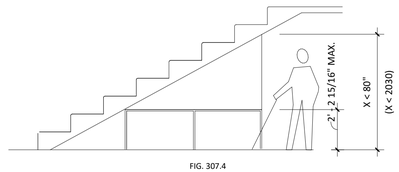


FIG. 307.4

REDUCED VERTICAL CLEARANCE

SCALE: 1/4" = 1'-0"

COMMUNICATION ELEMENTS AND FEATURES



H.C. SIGNAGE DETAIL

SCALE:N.T.S.

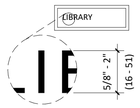


FIG. 703.2.4.4

CHARACTER HEIGHT

SCALE:N.T.S.

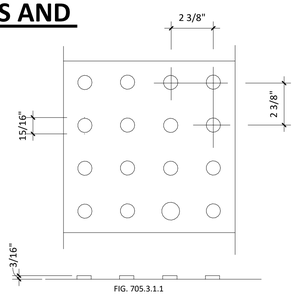


FIG. 705.3.1.1

TRUNCATED DOME SIZE

SCALE: 3" = 1'-0"

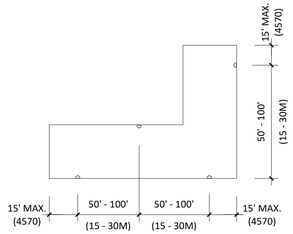
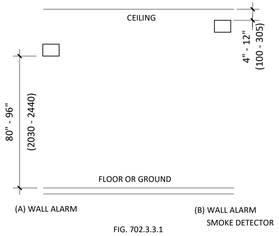


FIG. 702.3.5.1

APPLIANCE SPACING IN CORRIDORS

SCALE:N.T.S.



(A) WALL ALARM (B) WALL ALARM SMOKE DETECTOR

FIG. 702.3.3.1

LOCATION OF WALL-MOUNTED APPLIANCES

SCALE: 1/4" = 1'-0"

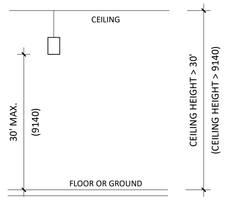
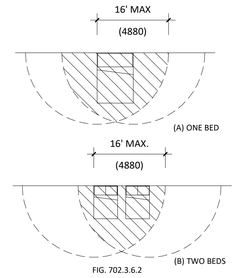


FIG. 702.3.3.2

LOCATION OF CEILING-MOUNTED APPLIANCES

SCALE:N.T.S.



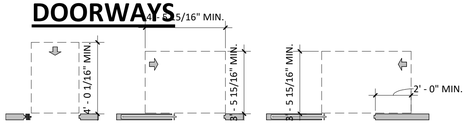
(A) ONE BED (B) TWO BEDS

FIG. 702.3.6.2

APPLIANCE LOCATION IN SLEEPING ROOMS

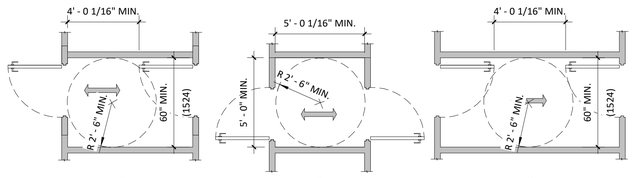
SCALE:N.T.S.

DOORS AND DOORWAYS



(A) FRONT APPROACH (B) POCKET OR HINGE APPROACH (C) STOP OR LATCH

FIG. 404.2.4.2



(A) (B) (C

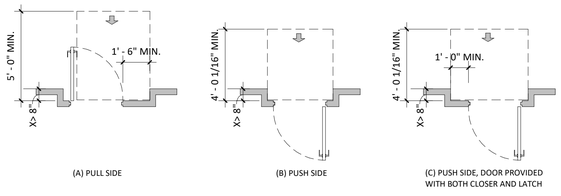
FIG. 404.2.6

MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS

SCALE: 1/4" = 1'-0"

TWO DOORS IN A SERIES

SCALE: 1/4" = 1'-0"

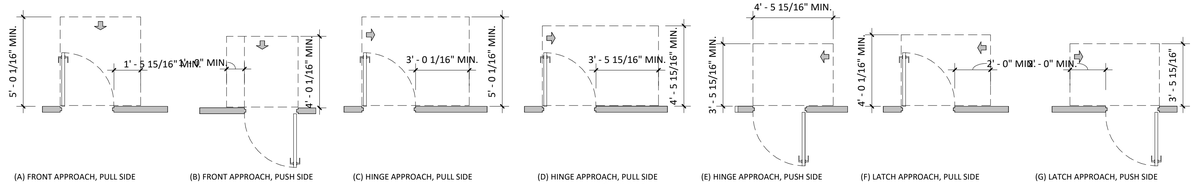


(A) PULL SIDE (B) PUSH SIDE (C) PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH

FIG. 404.2.3.4

MANEUVERING CLEARANCE AT RECESSED DOORS

SCALE: 1/4" = 1'-0"



(A) FRONT APPROACH, PULL SIDE (B) FRONT APPROACH, PUSH SIDE (C) HINGE APPROACH, PULL SIDE (D) HINGE APPROACH, PULL SIDE (E) HINGE APPROACH, PUSH SIDE (F) LATCH APPROACH, PULL SIDE (G) LATCH APPROACH, PUSH SIDE

FIG. 404.2.4.1

MANEUVERING CLEARANCE AT SWINGING DOORS

SCALE: 1/4" = 1'-0"

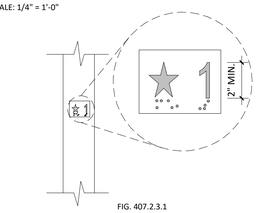


FIG. 407.2.3.1

FLOOR DESIGNATION SIGNAGE

SCALE: 3" = 1'-0"

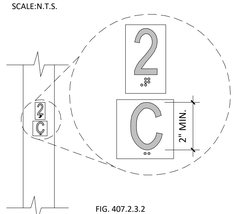


FIG. 407.2.3.2

ORIENTED ELEVATOR CAR IDENTIFICATION

SCALE: 3" = 1'-0"

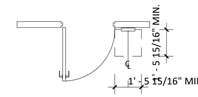


FIG. 703.2.8

MOUNTING LOCATION AT DOORS

SCALE: 1/4" = 1'-0"

6/8/2021 8:40:06 AM

DEPT OF BLDGS 321471073 Job Number
ES435284546 Scan Code

DIEGO AGUILERA ARCHITECTS, DESIGN &

DIEGO AGUILERA ARCHITECTS P.C.
97-40 62ND DRIVE. SUITE # 4L
REGO PARK NY 11374
(718) 896 9432
DBAGUILERA@AOL.COM

DESIGN CONSULTANT:

SAMUEL WIEDER + ASSOCIATES
389 WILLOUGHBY AVENUE, SUITE #301
BROOKLYN NY, 11205
T. 718.484.3201

STRUCTURAL ENGINEER:

Krzysztof Bajda
APPROVED
Date: 12/30/2021

MEP ENGINEER:

MUNICIPAL CONSULTANT:

No.	Description	Date
1	DOB FILING	12/20/2017

SITE MAP



LOCATION:

374 WALLABOUT STREET, BROOKLYN NY 11206

PROJECT:

EXISTING 3 STORY, PROPOSED 4 STORY RESIDENTIAL BUILDING

DRAWING TITLE:

ADA DETAILS

DOB APPLICATION # :

DOB BSCAN :

SEAL AND SIGNATURE



DATE: 6/8/2021 8:40:06 AM
SCALE: As indicated
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DRAWING No.:

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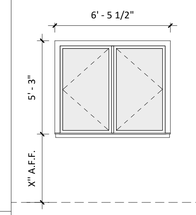
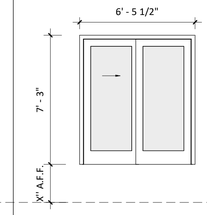
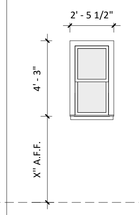
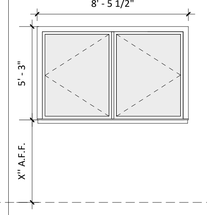
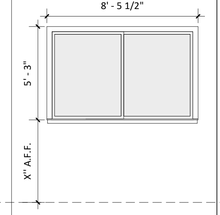
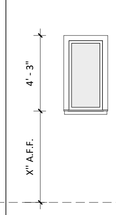
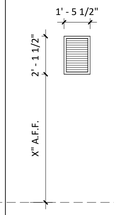
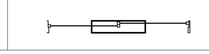
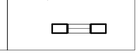
DEPT OF BLDGS 321471073 Job Number

ES510922872 Scan Code

WINDOW SCHEDULE TYPE

TYPE MARK	SIZE WIDTH	SIZE HEIGHT	Sill Height	MANUFACTURER	U FACTOR / SHGC	AIR LEAKAGE	QUANTITY	NOTES
1ST FLOOR								
W3	2' - 0"	4' - 0"	3' - 0"	PELLA	.23/.27	.1 CFM/FT	1	LOW-E & THERMAL BREAK
W4	8' - 0"	5' - 0"	3' - 0"	PELLA	.23/.27	.1 CFM/FT	1	LOW-E & THERMAL BREAK
W13	2' - 0"	6' - 0"	3' - 0"	PELLA	.23/.27		1	LOW-E & THERMAL BREAK
2ND FLOOR								
W1	6' - 0"	5' - 0"	3' - 0"	PELLA	.23/.27	.1 CFM/FT	3	LOW-E & THERMAL BREAK
W5	8' - 0"	5' - 0"	4' - 0"	PELLA	.23/.27	.1 CFM/FT	2	LOW-E & THERMAL BREAK
3RD FLOOR								
W1	6' - 0"	5' - 0"	3' - 0"	PELLA	.23/.27	.1 CFM/FT	4	LOW-E & THERMAL BREAK
4TH FLOOR								
W1	6' - 0"	5' - 0"	3' - 0"	PELLA	.23/.27	.1 CFM/FT	6	LOW-E & THERMAL BREAK
ROOF.								
W6	2' - 0"	4' - 0"	2' - 6"	PELLA	.23/.27	.1 CFM/FT	1	LOW-E & THERMAL BREAK

Grand total: 19

TYPE	W1	W2	W3	W4	W5	W6	W7
	TYPE1	72"x84"	TYPE 3	96"x60"	96"x60"	24"x48"	24" x 24"
ELEVATION VIEW							
PLAN VIEW							

WINDOW LEGEND

SCALE: 1/4" = 1'-0"

DIEGO AGUILERA ARCHITECTS, DESIGN &

DIEGO AGUILERA ARCHITECTS P.C.
97-40 62ND DRIVE. SUITE # 4L
REGO PARK NY 11374
(718) 896 9432
DBAGUILERA@AOL.COM

DESIGN CONSULTANT:

SAMUEL WIEDER + ASSOCIATES
389 WILLOUGHBY AVENUE, SUITE #301
BROOKLYN NY, 11205
T. 718.484.3201

STRUCTURAL ENGINEER:

Krzysztof Bajda
APPROVED
Date: 12/30/2021

MEP ENGINEER:

MUNICIPAL CONSULTANT:

No.	Description	Date
1	DOB FILING	12/20/2017

SITE MAP



LOCATION:

374 WALLABOUT STREET, BROOKLYN NY 11206

PROJECT:

EXISTING 3 STORY, PROPOSED 4 STORY RESIDENTIAL BUILDING

DRAWING TITLE:

WINDOW SCHEDULE

DOB APPLICATION # :

DOB BSCAN :

SEAL AND SIGNATURE



DATE: 6/8/2021 8:40:08 AM
SCALE: 1/4" = 1'-0"
DRAWING BY: SW
DRAWING No.:

A-601.00

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DEPT OF BLDGS 321471073 Job Number

ES886300696 Scan Code

COMcheck Software Version 4.1.5.1
Envelope Compliance Certificate

Project Information

Energy Code: 2016 New York City Energy Conservation Code
Project Title: 374 WALLABOUT STREET
Location: New York, New York
Climate Zone: 4a
Project Type: New Construction
Vertical Glazing / Wall Area: 6%

Construction Site:
374 WALLABOUT STREET
BROOKLYN, NY 11206

Owner/Agent:

Designer/Contractor:

Additional Efficiency Package(s)

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Building Area	Floor Area
1-Multifamily : Nonresidential	1717
2-Multifamily : Residential	8017

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Roof 1: Insulation Entirely Above Deck, [Bldg. Use 1 - Multifamily]	114	---	30.0	0.032	0.032
Roof 2: Insulation Entirely Above Deck, [Bldg. Use 2 - Multifamily]	1489	---	30.0	0.032	0.032
Basement Wall -Wallabout Str-North: Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 8.7, Depth B.G. 8.7, [Bldg. Use 1 - Multifamily]	215	13.0	10.0	0.059	0.119
Basement Wall-Rear-South: Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 8.7, Depth B.G. 8.7, [Bldg. Use 1 - Multifamily]	215	13.0	10.0	0.059	0.119
Basement Wall 1 copy 2: Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 8.7, Depth B.G. 8.7, [Bldg. Use 1 - Multifamily]	559	13.0	10.0	0.059	0.119
Basement Wall 1 copy 3: Solid Concrete:12" Thickness, Normal Density, Furring: Metal, Wall Ht 8.7, Depth B.G. 8.7, [Bldg. Use 1 - Multifamily]	559	13.0	10.0	0.059	0.119
Floor 1: Slab-On-Grade:Unheated Fully insulated (uniform R-value across perimeter + under entire slab), [Bldg. Use 1 - Multifamily] (c)	123	---	10.0	0.360	0.540
NORTH					
Wallabout Street Wall-North: Solid Concrete:6" Thickness, Normal Density, Furring: Metal, [Bldg. Use 2 - Multifamily]	(1081)	13.0	7.5	0.069	0.090
(7) Window 1: Vinyl/Fiberglass Frame, Perf. Specs.: Product ID PEL-N-184, SHGC 0.27, [Bldg. Use 2 - Multifamily] (b)	(233)	---	---	0.230	0.380
Main Entry 1: Insulated Metal, Swinging, [Bldg. Use 2 - Multifamily]	24	---	---	0.650	0.610
Main Entry 2: Insulated Metal, Swinging, [Bldg. Use 2 - Multifamily]	24	---	---	0.650	0.610
Garage Door: Uninsulated Double-Layer Metal, Non-Swinging, [Bldg. Use 2 - Multifamily]	90	---	---	1.200	0.179

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Wallabout Setback Wall- North: Steel-Framed, 16" o.c., [Bldg. Use 2 - Multifamily]	83	13.0	7.5	0.064	0.064
EAST					
Side Street Wall-East: Solid Concrete:8" Thickness, Normal Density, Furring: Metal, [Bldg. Use 2 - Multifamily]	(2849)	13.0	7.5	0.069	0.090
Side Setback Wall- East: Steel-Framed, 16" o.c., [Bldg. Use 2 - Multifamily]	179	13.0	7.5	0.064	0.064
Door 4: Uninsulated Double-Layer Metal, Swinging, [Bldg. Use 2 - Multifamily]	24	---	---	1.200	0.610
SOUTH					
Rear Street Wall-South: Solid Concrete:6" Thickness, Normal Density, Furring: Metal, [Bldg. Use 2 - Multifamily]	(1081)	13.0	7.5	0.069	0.090
(7) Window 2: Vinyl/Fiberglass Frame, Perf. Specs.: Product ID PEL-N-184, SHGC 0.27, [Bldg. Use 2 - Multifamily] (b)	272	---	---	0.230	0.380
Rear Setback Wall-South: Steel-Framed, 16" o.c., [Bldg. Use 2 - Multifamily]	83	13.0	7.5	0.064	0.064
Window 3: Vinyl/Fiberglass Frame, Perf. Specs.: Product ID PEL-N-184, SHGC 0.27, [Bldg. Use 2 - Multifamily] (b)	10	---	---	0.230	0.380
WEST					
Side Street Wall-West: Solid Concrete:8" Thickness, Normal Density, Furring: Metal, [Bldg. Use 2 - Multifamily]	(2849)	13.0	7.5	0.069	0.090
Side Setback Wall-West: Steel-Framed, 16" o.c., [Bldg. Use 2 - Multifamily]	179	13.0	0.0	0.124	0.064

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 18% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2016 New York City Energy Conservation Code requirements in COM*check* Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

COMcheck Software Version 4.0.5.5
Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2016 New York City Energy Conservation Code
Project Title: 374 WALLABOUT STREET
Project Type: New Construction
Exterior Lighting Zone 2 (Residentially zoned area)

Construction Site:
374 WALLABOUT STREET
BROOKLYN, NY 11206

Owner/Agent:

Designer/Contractor:

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Main entry	1 ft of door	20	Yes	20
Main entry	1 ft of door	20	Yes	20
			Total Tradable Watts (a) =	40
			Total Allowed Watts =	40
			Total Allowed Supplemental Watts (b) =	600

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Main entry (1 ft of door width): Tradable Wattage				
Compact Fluorescent 1: Spiral 15W: Electronic:	2	2	28	56
Compact Fluorescent 2: Spiral 15W: Electronic:	2	2	28	56
			Total Tradable Proposed Watts =	112

Exterior Lighting PASSES: Design 83% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2016 New York City Energy Conservation Code requirements in COM*check* Version 4.0.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

COMcheck Software Version 4.0.5.5
Interior Lighting Compliance Certificate

Project Information

Energy Code: 2016 New York City Energy Conservation Code
Project Title: 374 WALLABOUT STREET
Project Type: New Construction

Construction Site:
374 WALLABOUT STREET
BROOKLYN, NY 11206

Owner/Agent:

Designer/Contractor:

Additional Efficiency Package

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Multifamily	1717	0.46	788
2-Multifamily	8017	0.46	3680
		Total Allowed Watts =	4468

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Multifamily				
Compact Fluorescent 1: Spiral 15W: Electronic:	2	83	28	2324
2-Multifamily				
Compact Fluorescent 2: Spiral 15W: Electronic:	2	14	28	392
			Total Proposed Watts =	2716

Interior Lighting PASSES: Design 39% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2016 New York City Energy Conservation Code requirements in COM*check* Version 4.0.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

GENERAL ENERGY NOTES:

ENERGY ANALYSIS FOR ALTERATION PER 2016 NYCECC-CHAPTER C4.
CLIMATE ZONE 4A

1. TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH NEW YORK CITY ENERGY CONSERVATION CODE 2016 (NYCECC 2016)

2. THIS PROJECT REQUIRES COMMISSIONING AND A PRELIMINARY COMMISSIONING REPORTCERTIFICATION WILL BE PROVIDE PRIOR TO SIGN-OFF.

3. PROGRESS INSPECTIONS ARE REQUIRED IN ACCORDANCE WITH NY CITY ENERGY CONSERVATION CODE 2016 .

THE CONTRACTOR MUST NOTIFY THE ARCHITECT OR ENGINEER FOR PROGRESS INSPECTIONS AT LEAST 72 HOURS BEFORE THE SPECIFIC WORK COMMENCES OF REQUIRED INSPECTIONS. SPECIFIC INSPECTIONS REQUIREMENTS FOR ENERGY CODE COMPLIANCE ARE INDICATED ON THE "EN" SERIES DRAWINGS.

DIEGO AGUILERA ARCHITECTS, DESIGN &

DIEGO AGUILERA ARCHITECTS P.C.
97-40 62ND DRIVE. SUITE # 4L
REGO PARK NY 11374
(718) 896 9432
DBAGUILERA@AOL.COM

DESIGN CONSULTANT:

SAMUEL WIEDER + ASSOCIATES
389 WILLOUGHBY AVENUE, SUITE #301
BROOKLYN NY, 11205
T. 718.484.3201

STRUCTURAL ENGINEER:

MEP ENGINEER:

NYC Buildings
Krzysztof Bajda
APPROVED
Date: 09/30/2021

MUNICIPAL CONSULTANT:

No.	Description	Date
2	PAA	04/26/2021
1	DOB FILING	12/20/2017

SITE MAP



LOCATION:
374 WALLABOUT STREET, BROOKLYN NY 11206

PROJECT:
EXISTING 3 STORY, PROPOSED 4 STORY RESIDENTIAL BUILDING

DRAWING TITLE:
ENERGY ANALYSIS

DOB APPLICATION # :

DOB BSCAN :

SEAL AND SIGNATURE

REGISTERED ARCHITECT DIEGO B. AGUILERA No. 032615 STATE OF NEW YORK

DATE: 6/8/2021 8:40:10 AM
SCALE:
DRAWING BY: SW
DRAWING No.:

EN-100.01

SHEET 33 OF 33

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6/8/2021 8:40:10 AM

APPENDIX B
Remedial Investigation Work Plan and Other Previous Reports

HALEY ALDRICH

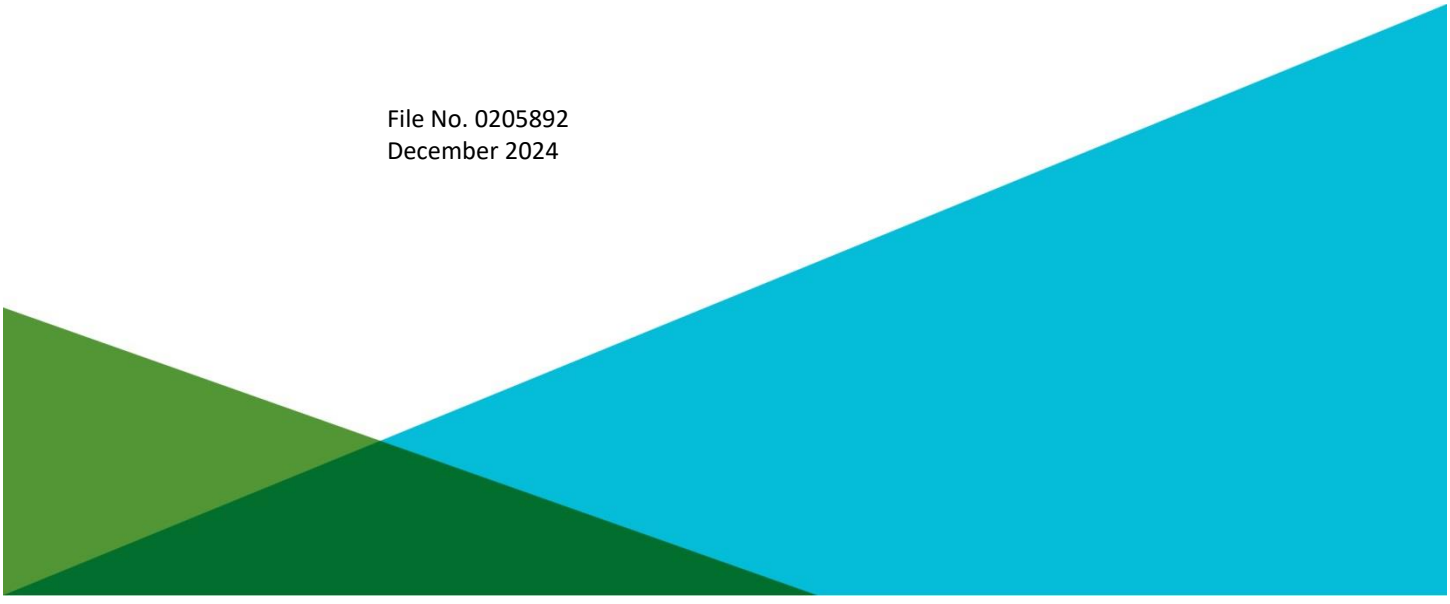
www.haleyaldrich.com

REMEDIAL INVESTIGATION WORK PLAN
374 WALLABOUT STREET REDEVELOPMENT
NYSDEC BCP SITE NO. C224383
374 WALLABOUT STREET
BROOKLYN, NEW YORK

by H & A of New York Engineering and Geology, LLP
New York, New York

for
Joel Fried
374 Wallabout Street
Brooklyn, New York 11206

File No. 0205892
December 2024



HALEY & ALDRICH OF NEW YORK
237 West 35th Street
16th Floor
New York, NY 10123
646.518.7735

23 December 2024
File No. 0205892-001

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

Attention: Mr. Sadique Ahmed

Subject: Remedial Investigation Work Plan
374 Wallabout Street Redevelopment (Site No. C224383)
374 Wallabout Street
Brooklyn, New York (Site)

Dear Mr. Ahmed,

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York), on behalf of Joel Fried, is submitting for the review and approval of the New York State Department of Environmental Conservation (NYSDEC) this revised Remedial Investigation Work Plan (RIWP) for the 374 Wallabout Street Redevelopment Site (C224383) located at 374 Wallabout Street in Brooklyn, New York ("Site"). This RIWP has been developed based on NYSDEC's "Technical Guidance for Site Investigation and Remediation" (DER-10 dated May 2010) and in response to comments received from NYSDEC and New York State Department of Health (NYSDOH) on 3 May 2023 and 10 December 2024.

NYSDEC comments were addressed as follows:

1. Update the NYSDEC Project Manager to Sadique Ahmed (email sadique.ahmed@dec.ny.gov) and NYSDOH Project Manager to Stephanie Selmer (stephanie.selmer@health.ny.gov) wherever it is appropriate.

   Response: NYSDEC and NYSDOH Project Managers updated throughout.

2. Section 3.2: Please clarify the extent of the demolition prior to commencing the remedial investigation (i.e., complete demolition of all above grade structures or partial demolition).

   Response: Revised to indicate complete demolition prior to commencement of the remedial investigation.

3. Section 3.3/3.4: Soil and groundwater collection and analysis must be updated to the latest guidelines listed in the NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs" dated April 2023. Please revise section 3.3 and section 3.4 to reference this guidance.
   - Soil boring Comments: Six soil borings, depth 15 feet bgs, sampling 0-2 ft bgs, 3-5 ft bgs, 7-9 feet bgs and above groundwater interface.

Response: Revised text in Sections 3.3 and 3.4, tables and figures to include six soil borings with samples collected from the following depth intervals: 0-2 ft bgs, 3-5 ft bgs, 7-9 feet bgs and above groundwater interface.

4. Section 3.3/3.4: For soil and groundwater samples, please include appropriate analytical methods for mercury, cyanide, and hexavalent chromium. Update all applicable tables in the text and appendices accordingly (e.g., Table 1, Appendix C).
   - Monitoring well Comments: Four monitoring wells, screen should be 10-feet into the groundwater tables, samples should be collected around 5-feet below groundwater table.

   Response: Revised text Sections 3.3 and 3.4, tables and figures to indicate installation of four monitoring wells screened 10-feet into the groundwater table and sampled around 5-feet below groundwater table.

5. Section 3.4: Groundwater samples must be sampled and analyzed for 1,4-Dioxane using EPA Method 8270 SIM

   Response: Updated text in Section 3.4 and Table 1 to include 1,4-dioxane analysis (EPA Method 8270 SIM) for groundwater samples.

6. Section 3.6: It is unclear between Section 3.6 and Table 1, whether soil vapor samples or sub-slab soil vapor samples are planned. Indoor air and sub-slab soil vapor samples should only be collected if the on-site building will be occupied and not demolished (see Comment 2). Sub-slab vapor samples must be collected from the soil or aggregate immediately below the basement slab or slab-on-grade. It is unclear from the work plan, if this will be the case when collecting sub-slab vapor samples. Please revise as appropriate.
   - Soil Vapor Comments: No sub-slab vapor, Five soil vapor points should be collected 7 to 8 feet bgs; however, must be at least 2-feet above the groundwater interface.

   Response: Revised text in Section 3.6, tables and figures to indicate installation of five soil vapor soil samples and sample collection 7 to 8 feet bgs, or at least 2-feet above groundwater interface.

7. Section 7.2: According to the given description, a photoionization detector (PID) will be used to monitor the work zone. This is not a Community Air Monitoring Plan (CAMP); please revise in reference to the NYSDOH generic CAMP, which includes continuous monitoring for volatile organic compounds and particulates both upwind and downwind of the work zone during ground intrusive work for protection of the surrounding community.

   Response: Revised text in Section 7.2 to indicate that CAMP will be conducted in accordance with NYSDOH generic CAMP guidance.

8. Section 8.2: The RIR and RAWP must be submitted as separate documents. Please revise the last paragraph

   Response: Revised text in Section 8.2 to indicate the RIR and RAWP would be submitted as separate documents.

9. Section 9: Update the schedule in this section with appropriate dates.

   Response: Updated schedule to reflect accurate dates.

10. Table 1: Revise the table heading for the PFAS analyses to reflect EPA Method 1633.

Response: Revised Table to include EPA Method 1633 for PFAS analysis.

11. Table 1: Surface soil samples are considered 0 to 2 inches for the purposes of exposure assessment. 0 to 0.5 feet should be labeled as shallow soil samples. Please do not hesitate to contact us if there are any questions regarding this submittal or any other aspects of the project.

    Response: Disregarded based on phone conversation with NYSDEC Project Manager, Sadique Ahmed, on 10 December 2024.

12. Table 1: Sub-slab soil vapor points should be collected from immediately below the slab, please revise.

    Response: Disregarded based on phone conversation with NYSDEC Project Manager, Sadique Ahmed, on 10 December 2024.

13. Table 1: Soil vapor/sub-slab soil vapor sample IDs do not match between Table 1 and Figure 2, please rectify.

    Response: Revised Table 1 and Figure 2 so Sample IDs are consistent.

14. Figure 2: The location of soil vapor sampling point SS-4 appears to be on the edge of the building. It should be corrected to a location further within the building.

    Response: Shifted soil vapor sample location away from building edge and further within Site building.

15. Figure 2: The outline of the site boundary does not align with the northern and western edges of the building, please confirm if this is correct.

    Response: Updated Figures so parcels are better aligned with aerial imagery.

16. Appendix A: Please include the previously mentioned reports, the August 2022 Phase I ESA and August 2022 Limited Phase II Environmental Site Investigation Report.

    Response: Included August 2022 Phase I ESA and August 2022 Limited Phase II Environmental Site Investigation Report in Appendix A.

17. Appendix B Section 6.2: Further details on the methodology involved in “Typical Sampling Methods” for groundwater sample collection are needed.

    Response: Revised text in Appendix B Section 6.2 to include additional detail on the methodology involved in “Typical Sampling Methods”.

18. Appendix B Section 6.1.4/6.2.4: PFAS sampling guidelines for soil and groundwater must be updated to the NYSDEC “Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC Part 375 Remedial Programs” dated April 2023.

    Response: Revised text in Appendix B Section 6.1.4 /6.2.4 to reference April 2023 PFAS guidance.

19. Appendix C, Section 1.3: Pesticides must be analyzed in both soil and groundwater using an appropriate method (i.e. EPA Method 8081B).

    Response: Revised text in Appendix C, Section 1.3 to indicate pesticide analysis for both soil and groundwater via EPA Method 8081B.

20. Appendix C, Table 1: Analysis/Method for pesticides must be added to Table 1 in Appendix C. PFAS compounds must be analyzed using EPA Method 1633.

    Response: Revised Appendix C, Table 1 to include pesticide analysis for both soil and groundwater samples via EPA Method 8081B and PFAS analysis via EPA Method 1633.

21. Appendix C, Table 1: Please list the following information in the notes for Table 1: number of field and trip blanks per matrix, number and type of matrix spike and matrix spike duplicate samples, and number and type of duplicate samples to be collected. Additionally, please list minimum reporting limits for all analytical methods in separate table(s).

    Response: Revised Appendix C, Table 1 to include detail in Notes section. Added Table 2 - Minimum Reporting Limits to Appendix C and added text to Section 4.1.1 referencing this table. (please note that this table is also included as Table 2 of the RIWP).

22. Appendices: Update the references of each Appendix to include the latest guidance found under NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs" dated April 2023.

    Response: Updated references to indicate April 2023 PFAS guidance.

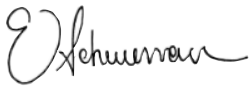
23. A Citizen Participation Plan is required before beginning any investigative or remedial work, please include this as an appendix in the RIWP or as a separate document.

    Response: A Citizen Participation Plan sis being submitted with this revised RIWP.

Sincerely yours,
HALEY & ALDRICH OF *NEW YORK*



James M. Bellew
Principal



Elizabeth R. Scheuerman
Project Manager

Cc:
Joel Fried (RPF Management) Email: joe@rpfmgmt.com
Cris-Sandra Maycock (NYSDEC) Email: cris-sandra.maycock@dec.ny.gov
Jane O'Connell (NYSDEC) Email: jane.oconnell@dec.ny.gov
Sadique Ahmed (NYSDEC) Email: sadique.ahmed@dec.ny.gov
Stephanie Selmer (NYSDOH) Email: staphanie.selmer@health.ny.gov
Jon Schuyler Brooks (Abramson Brooks LLP) Email: jbrooks@abramsonbrooks.com

Certification

I, James M. Bellew, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).



23 December 2024

James M. Bellew, Principal *Date*

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1. Introduction

On behalf of the Applicant, Joel Fried, H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) has prepared this Remedial Investigation Work Plan (RIWP) for the 374 Wallabout Street Redevelopment Brownfield Cleanup Program (BCP) Site C224383, located at 374 Wallabout Street (see Figure 1) in Brooklyn, New York (Site). This RIWP was prepared in accordance with the regulations and guidance applicable to the BCP.

The Site, identified as Block 2266 Lot 13 on the New York City tax map, is approximately 2,500-square feet and is bound to the north by Wallabout Street followed by an industrial-use garage and multi-story residential building, to the east by a multi-story residential building, to the south by a parking lot, and to the west by a multi-story residential building. Portions of the surrounding area, including an adjacently south property previously operated by Pfizer, known as Pfizer Sites B & D, were formerly subject to investigation and remediation within the BCP.

The Site is currently located within a residential zoning district (R7A). The Site is located within an urban area characterized by multi-story commercial and residential buildings.

A Site location map is provided as Figure 1 and a Site plan showing the property boundaries and adjacent properties is provided as Figure 2.

The Site is a rectangular-shaped lot and is improved with a three-story residential building with a cellar level and a rear yard in the southern region of the lot.

While the development plans are conceptual at this time, the planned project will consist of constructing a new four-story residential building in the northern region of the lot near Wallabout Street and will include one cellar level. The paved rear yard located in the southern region of the Site will remain undeveloped. The new development is anticipated to extend approximately 14 ft below ground surface (bgs).

1.1 PURPOSE

Based on a Limited Phase II Environmental Site Investigation (ESI), performed at the Site in August 2022 by Haley & Aldrich of New York, the primary contaminants of concern for the Site are heavy metals and semivolatile organic compounds (SVOCs) (specifically polycyclic aromatic hydrocarbons [PAHs]) in soil, chlorinated volatile organic compounds (CVOCs) in groundwater, and CVOCs in soil vapor. One CVOC, cis-1,2-dichloroethene, was also detected in soil above the laboratory detection limit in the southern portion of the Site. Additional investigation is necessary to determine if an on-Site source of contamination exists. The presence of CVOC contamination in groundwater, coupled with the presence of CVOCs in soil and soil vapor, indicates that a on-Site source may exist.

The previous investigation did not comprehensively delineate the extent of soil, groundwater, and soil vapor contamination at the Site. Summaries of the historical soil, groundwater, and soil vapor data collected at the Site to date are displayed in Figures 3 through 5. Results of the additional sample

analyses proposed in this RIWP will be used to confirm the results of the previous Site characterization activities, address data gaps, delineate any on-Site source(s), and determine a course for remedial action.

2. Background

2.1 CURRENT LAND USE

The Site is a rectangular-shaped lot and is improved with a three-story residential building that includes a cellar level and a rear yard in the southern region of the lot. The Site building is currently vacant. The entire Site is paved and capped, including the rear yard and the front areas near the building entrance on Wallabout Street. The Site is secured and fenced along the perimeter.

2.2 SITE HISTORY

Haley & Aldrich of New York prepared a Phase I Environmental Site Assessment (ESA) in August 2022 for the Site. As identified in the Phase I ESA, historical Sanborn Maps from the late 1880's – mid-1940s identify two residential structures on the property: the existing residential building on the western region of the property (consistent with today); and, a two-story residential building on the eastern region of the property (currently the rear yard). In the mid-1940s, the two-story dwelling was razed, and this portion of the property has remained undeveloped and utilized as a rear yard since that time. The Site building was vacated in 2018, and since that time, the Site has remained unoccupied.

Other findings are summarized in the August 2022 Phase I ESA prepared by Haley & Aldrich of New York. Copies of previous reports are included in Appendix A.

2.3 SURROUNDING LAND USE

The Site is located on Wallabout Street between Harrison Avenue and Throop Avenue within an urban area identified as the Broadway Triangle neighborhood of the Borough of Brooklyn. There are two sensitive receptors within a 500 ft radius of the Site listed below and shown in Figure 6:

1. IS 318 Eugenio Maria De Hostos, 101 Walton Street, Brooklyn, NY 11206 (school).
2. Beginning With Children Charter School 2, 11 Bartlett Street, Brooklyn, NY 11206 (school).

2.4 SURROUNDING LAND USE HISTORY

Historical use of the surrounding properties up- and cross-gradient to the Site were for industrial and manufacturing purposes. Historical use of adjoining and up-gradient properties included auto body, manufacturing, low rise dwellings, and a garage. Auto body and manufacturing facilities may have included the use and disposal of hazardous materials and petroleum. The former Pfizer Sites B & D, located upgradient and south adjacent to the Site, were formerly subject to investigation and remediation within the BCP.

2.5 PREVIOUS REPORTS

To date the following reports have been completed for the Site:

1. August 2022 Phase I Environmental Site Assessment Prepared by Haley & Aldrich of New York and
2. August 2022 Limited Phase II Environmental Site Investigation Report Prepared by Haley & Aldrich of New York.

Previous reports are included in Appendix A. A summary of environmental findings is provided below.

August 2022 Phase I Environmental Site Assessment
Prepared by Haley & Aldrich of New York

Haley & Aldrich of New York prepared a Phase I ESA for the Site for the purpose of identifying RECs in connection with the Site.

The Phase I identified the following REC at the Site:

The property located adjacently south to the Site, known as Pfizer Sites B & D, was formerly subject to investigation and remediation within the BCP. The primary contaminants of concern included CVOCs in soil, groundwater, and soil vapor. Furthermore, the most recent groundwater sampling event (conducted in April 2021) indicated concentrations of CVOCs above regulatory criteria in groundwater samples collected from monitoring wells located both north and south of the Site. While this property has been remediated under the BCP and implemented engineering controls to address the residual contamination, due to the proximity of the Pfizer Sites B&D located hydraulically upgradient to the Site, impacted soil vapor and/or groundwater may have migrated and be present at the Site. Based on this, the former BCP Site (Pfizer Sites B & D) was considered to represent a REC to the Site.

August 2022 Limited Phase II Environmental Site Investigation
Prepared by Haley & Aldrich of New York

Haley & Aldrich of New York completed a limited sampling event at the Site to investigate soil, groundwater, and soil vapor quality at the Site.

Urban fill generally consisting of brown to gray, coarse to medium sand with silt and varying amounts of asphalt, brick, plastic was observed from surface grade to approximately 6 ft bgs in each soil boring. The urban fill layer was underlain by a potential native layer consisting of light brown to orange-brown coarse to medium sand with varying amounts of silt, gravel and clay. Soil cores were collected continuously, characterized, and screened for visual and olfactory evidence of contamination such as staining and odors. Instrumental screening for the presence of organic vapors was performed using a photoionization detector (PID). Petroleum-like odors and staining were observed in three soil borings: B-1 and B-2 between 7-8 ft bgs; and B-4 between 5-8 ft bgs. PID readings of non-detect at 0.0 parts per million (ppm) to 0.1 ppm were recorded in Site-wide soils.

During the investigation, groundwater was encountered at a depth of approximately 11.15 ft bgs at TW-1 and 12.10 ft bgs at TW-2.

Field observations and analytical results identified urban fill contaminated with heavy metals and SVOCs (specifically PAHs) at concentrations consistent with characteristics of urban fill found throughout the New York City area. SVOCs and total metals exceeding Restricted-Residential Use Soil Cleanup Objectives (RRSCOs) were observed widely distributed throughout the Site in urban fill at the surface to depths of about 6 feet bgs. Additionally, CVOC contamination was identified in groundwater in the

southern/eastern region of Site, specifically, cis-1,2-dichloroethene and vinyl chloride at concentrations exceeding Ambient Water Quality Standards (AWQSs). CVOCs are also present at the Site in soil and soil vapor located above the groundwater table. Tetrachloroethene (PCE) and 1,1,1-trichloroethane were identified in sub-slab soil vapor, with PCE detected above the Air Guidance Value (AGV) in the northern region of the Site. Cis-1,2-dichloroethene was detected above the laboratory detection limit in soil between 4-8 ft bgs in the southern region of the Site. The presence of CVOC contamination in groundwater, coupled with the presence of CVOCs in soil and soil vapor indicates that an on-Site source may exist.

Haley & Aldrich of New York concluded that further delineation may be required to determine the extent of on-Site sources of CVOCs in soil, groundwater and soil vapor and of hazardous lead in soils in the north-central region of the Site.

3. Remedial Investigation

This section describes the field activities to be conducted during the RI and provides the sampling scope, objectives, methods, anticipated number of samples, and sample locations. A summary of the sampling and analysis plan is provided in Table 1 and Figure 2. The following activities will be conducted to fill data gaps and determine the nature and extent of contamination at the Site.

3.1 UTILITY MARKOUT

A GPR scan will be performed prior to commencement of any intrusive activities. The GPR scan will potentially identify any underground structures including, but not limited to, utilities and underground storage tanks. It is noted that borings may be adjusted based on the results of the GPR scan and any adjustments to the locations presented below will be communicated with the NYSDEC. The findings report will be provided in the Remedial Investigation Report (RIR).

3.2 SELECTIVE DEMOLITION

The existing structures prohibit the implementation of a comprehensive remedial investigation due to configuration of the interior structural walls, ceilings, and layout of the existing structure on the Site. Prior to commencing the remedial investigation, a complete demolition of above grade structures will be completed as needed to facilitate the implementation of the remedial investigation. Existing foundation slabs will remain in place serving as an engineering control until a remedial action plan is approved and implemented.

3.3 SOIL SAMPLING

To further characterize subsurface soil conditions, additional on-Site soil samples will be collected to meet NYSDEC DER-10 requirements for remedial investigations. The sampling and analysis plan is summarized in Table 1.

A total of six soil borings will be installed to 15 ft bgs by a track-mounted direct-push drill rig (Geoprobe®) operated by a licensed operator. Soil samples will be collected from acetate liners using a stainless-steel trowel or sampling spoon.

Soils will be logged continuously by a geologist or engineer using the Modified Burmister Soil Classification System. The presence of staining, odors, and PID response will be noted. Samples will be collected using laboratory-provided clean bottle ware. Volatile organic compound (VOC) grab samples will be collected using terra cores. Sampling methods are described in the Field Sampling Plan (FSP) provided as Appendix B. A Quality Assurance Project Plan (QAPP) is provided as Appendix C. Laboratory data will be reported in Analytical Service Protocol (ASP) Category B deliverable format.

Soil samples representative of Site conditions will be collected at six locations widely distributed across the Site, as shown in the Proposed Sampling Plan provided as Figure 2. Samples will be collected from the shallow soil interval (0 to 2 ft bgs), from the urban fill layer (3 to 5 ft bgs), from the base of the urban fill layer or where fill transitions to native soils, estimated to be approximately (7 to 9 ft bgs), and from

the two-foot interval directly above the groundwater interface. Additional samples will be collected from any interval exhibiting elevated PID readings or where visual and olfactory evidence of impacts are observed. Soil samples will be analyzed for:

- Target Compound List (TCL) VOCs using EPA method 8260B;
- TCL SVOCs using EPA method 8270C;
- Total Analyte List (TAL) Metals using EPA method 6010;
- TCL Pesticides using EPA method 8081B ;
- PCBs using EPA method 8082;
- Mercury using EPA method 7471;
- Total Cyanide using EPA method 9010C/9012B;
- Hexavalent Chromium using EPA method 7196A;
- Per- and polyfluoroalkyl substances (PFAS) using EPA method 1633 and,
- 1,4-dioxane using EPA method 8270 SIM.

Samples to be analyzed for PFAS and 1,4-dioxane will be collected and analyzed in accordance with the "NYSDEC Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs" dated April 2023 and the June 2019 Sampling for "1,4-dioxane and PFAS Under DECs Part 375 Remedial Programs," respectively.

3.4 GROUNDWATER SAMPLING

The purpose of the groundwater sampling is to obtain current groundwater data and analyze for additional parameters (i.e., PFAS and 1,4-dioxane) to meet NYSDEC DER-10 requirements for remedial investigations.

Four two-inch permanent monitoring wells will be installed to approximately 21 ft bgs or to at least 10 feet into the groundwater table. Groundwater was encountered between 11 and 12 ft bgs during the Limited Phase II ESI completed in August 2022. Wells will be installed with 10-feet of screen into the groundwater table (approximately 11 to 21 ft bgs) and groundwater samples will be collected from around 5 feet below groundwater interface (approximately 16 ft bgs). Monitoring wells will have a 2-inch annular space and be installed using either #0 or #00 certified clean sand fill. Monitoring wells will be developed after installation by surging a pump in the well several times to pull fine-grained material from the well. Development will be completed until the water turbidity is 50 nephelometric turbidity units (NTU) or less or ten well volumes are removed, if possible. Groundwater sampling will occur at a minimum of one week after monitoring well installation and development. The well casings will be surveyed by a New York State licensed surveyor and gauged during a round of synoptic groundwater depth readings to facilitate the preparation of a groundwater contour map and to determine the direction of groundwater flow.

The sampling and analysis plan is summarized in Table 1. Proposed monitoring well locations are provided in Figure 2.

Monitoring wells will be sampled and analyzed for:

- TCL VOCs using EPA method 8260B;
- TCL SVOCs using EPA method 8270C;
- Total Metals using EPA methods 6010/7471;
- Dissolved Metals using EPA methods 6010/7471;
- TCL Pesticides using EPA method 8081B;
- PCBs using EPA method 8082
- Mercury using EPA method 7470A
- Total Cyanide using EPA method 9010C/9012B
- Hexavalent Chromium using EPA method 7196A
- PFAS using EPA method 1633; and
- 1,4-Dioxane using EPA method 8270 SIM.

Samples to be analyzed for PFAS and 1,4-dioxane will be collected and analyzed in accordance with the "NYSDEC Sampling, Analysis, and Assessment of Per- and PFAS Under NYSDEC's Part 375 Remedial Programs" dated April 2023 and the June 2019 Sampling for "1,4-dioxane and PFAS Under DECs Part 375 Remedial Programs," respectively.

Groundwater wells will be sampled using low-flow sampling methods described in the FSP. Following the low-flow purge, samples will be collected from monitoring wells for analysis of the analytes mentioned above.

The FSP presented in Appendix B details field procedures and protocols that will be followed during field activities. The QAPP presented in Appendix C details the analytical methods and procedures that will be used to analyze samples collected during field activities. Monitoring wells will be sampled for PFAS following the purge and sampling method detailed in the NYSDEC guidance documents (see Appendix D).

3.5 INVESTIGATION DERIVED WASTE

Following sample collection, boreholes that are not converted to monitoring wells will be backfilled with soil cuttings that do not exhibit gross contamination and an upper bentonite plug. Boreholes will be restored to grade consistent with the surrounding area. Soil cuttings identified as grossly contaminated will be separated and placed into a sealed and labeled Department of Transportation (DOT) approved 55-gallon drum pending characterization and off-Site disposal. Groundwater purged from the monitoring wells during development will be placed into a DOT approved 55-gallon drum pending off-Site disposal.

3.6 SOIL VAPOR SAMPLING

Samples will be collected in accordance with the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH October 2006). Five soil vapor probes will be installed approximately 7 to 8 ft bgs, or at least 2 feet above the groundwater interface. The vapor implants will be installed with a direct-push drilling rig (e.g., Geoprobe®) to advance a stainless-steel probe to the desired sample depth. Sampling will occur for the duration of two hours.

Samples will be collected in appropriately sized Summa® canisters that have been certified clean by the laboratory, and samples will be analyzed by using USEPA Method TO-15. Flow rate for both purging and sampling will not exceed 0.2 L/min. Sampling methods are described in the FSP provided as Appendix B.

3.7 PROPOSED SAMPLING RATIONALE

Haley & Aldrich of New York has proposed the sample plan described herein and as shown in Figure 2, in consideration of the data generated during the previous investigations conducted at the Site. A Limited Phase II ESI completed in August 2022 detected elevated PAH and metals concentrations in soil samples collected throughout the Site as well as elevated CVOC concentrations in groundwater and soil vapor. The sampling map from this Limited Phase II ESA (included in Appendix A) shows data gaps throughout the Site, including a lack of analytical data for potentially high-risk areas that may have been impacted by historical Site operations. In order to properly characterize the Site and identify potential source areas, all phases of media will be comprehensively investigated as part of this RI and data gaps will be evaluated.

In addition, the Limited Phase II ESI detected CVOCs in soil vapor at concentrations indicating a potential on-Site source which has not been identified to date. These findings require additional investigation to ascertain and delineate on-Site source(s).

The Proposed Sample Location Map (included as Figure 2) is designed to generate sufficient data to identify the source of contamination and classify subsurface conditions throughout the Site, as a whole, with a particular focus on sample locations in areas of the Site that have historically revealed evidence of contamination.

4. Quality Assurance and Quality Control

Quality Assurance/Quality Control (QA/QC) procedures will be used to provide performance information with regard to accuracy, precision, sensitivity, representation, completeness, and comparability associated with the sampling and analysis for this investigation. Field QA/QC procedures will be used (1) to document that samples are representative of actual conditions at the Site and (2) identify possible cross-contamination from field activities or sample transit. Laboratory QA/QC procedures and analyses will be used to demonstrate whether analytical results have been biased either by interfering compounds in the sample matrix, or by laboratory techniques that may have introduced systematic or random errors to the analytical process.

QA/QC procedures are defined in the QAPP included in Appendix C. Minimum reporting limits for analytical methods are provided in Table 2.

5. Data Use

5.1 DATA SUBMITTAL

Analytical data will be supplied in ASP Category B Data Packages. If more stringent than those suggested by the USEPA, the laboratory's in house QA/QC limits will be utilized. Validated data will be submitted to the NYSDEC EQuIS database in an electronic data deliverable (EDD) package.

5.2 DATA VALIDATION

Data packages will be sent to a qualified data validation specialist for evaluation of accuracy and precision of the analytical results. A Data Usability Summary Report (DUSR) will be created to confirm the compliance of methods with the protocols described in the NYSDEC Analytical Service Protocol (ASP). DUSRs will summarize and confirm usability of the data for project-related decisions. Data validation will be completed in accordance with the DUSR guidelines from the NYSDEC Division of Environmental Remediation. DUSRs will be included with the submittal of a RIR, further discussed in Section 8.

6. Project Organization

A project team for the Site has been created, based on qualifications and experience, with personnel suited for successful completion of the project.

The NYSDEC Case Manager, Sadique Ahmed, will be responsible for confirming the work is completed in accordance with 6 NYCRR Part 375 and DER-10 on behalf of NYSDEC.

The NYSDOH Case Manager, Stephanie Selmer, will be responsible for confirming the work is completed in accordance with 6 NYCRR Part 375 and DER-10 on behalf of NYSDOH.

James Bellew will be the Principal in Charge for this work. In this role, Mr. Bellew will be responsible for the overall completion of each task as per requirements outlined in this work plan and in accordance with the DER-10 guidance.

James Bellew will be the Qualified Environmental Professional (QEP) for this work. In this role, Mr. Bellew will be responsible for the overall completion of each task as per requirements outlined in this work plan and in accordance with the DER-10 guidance.

Elizabeth Scheuerman will be the Project Manager for this work and will also act as the Quality Assurance Officer (QAO). The QAO will assure the application and effectiveness of the QAPP by the analytical laboratory and the project staff, provide input to field team as to corrective actions that may be required as a result of the above-mentioned evaluations and prepare and/or review data validation and audit reports. As the Project Manager, Ms. Scheuerman will manage the day-to-day tasks including coordination and supervision of field engineers and scientists, and oversight of project schedule. Ms. Scheuerman will also be responsible for communications with the NYSDEC Case Manager regarding project status, schedule, issues, and updates for project work.

PJ DiNardo will be the field personnel responsible for implementing the field effort for this work. Mr. DiNardo's responsibilities will include implementing the work plan activities and directing the subcontractors to ensure successful completion of all field activities.

The drilling subcontractor will be Lakewood Environmental Services, Corp. and will provide environmental drilling and geophysical services to implement the scope of work outlined in this RIWP.

The analytical laboratory will be Alpha Analytical of Westborough, MA, a New York Environmental Laboratory Approval Program ([ELAP] No. 11148) certified laboratory. Alpha Analytical will be responsible for analyzing samples as per the analyses and methods identified in Section 2.

7. Health and Safety

7.1 HEALTH AND SAFETY PLAN

A Site-specific Health and Safety Plan (HASP) has been prepared in accordance with NYSDEC and NYSDOH guidelines and is provided as Appendix E. The HASP includes a description of health and safety protocols to be followed by Haley & Aldrich of New York field staff during implementation of the RIWP, including monitoring within the work area, along with response actions should impacts be observed. The HASP has been developed in accordance with Occupational Health and Safety Administration (OSHA) 40 CFR Part 1910.120 regulatory requirements for use by Haley & Aldrich of New York field staff that will work at the Site during planned activities. Contractors or other personnel who perform work at the Site are required to develop their own health and safety plan and procedures of comparable or higher content for their respective personnel in accordance with relevant OSHA regulatory requirements for work at hazardous waste sites as well as general industry as applicable based on the nature of work being performed.

7.2 COMMUNITY AIR MONITORING PLAN

The proposed investigation work will be completed both indoors and outdoors at the Site. Where intrusive drilling operations are planned, community air monitoring will be implemented to protect the downwind receptors. A Haley & Aldrich of New York representative will conduct continuous monitoring for volatile organic compounds and particulates both upwind and downwind of the work zone during ground intrusive work for protection of the surrounding community. The air in the work zone also will be monitored for visible dust generation.

If VOC measurements above 5 ppm or dust measurements above 0.15 mg/m^3 are sustained for 15 minutes or visible dust generation is observed, the intrusive work will be temporarily halted and a more rigorous monitoring of VOCs and dust using recordable meters will be implemented in accordance with the NYSDOH Generic Community Air Monitoring Plan (CAMP). CAMP data will be provided to NYSDEC in the daily reports, further detailed in Section 8. The NYSDOH CAMP guidance document is included as Appendix F.

8. Reporting

8.1 DAILY REPORTING

Daily reports will be submitted to NYSDEC and NYSDOH summarizing the Site activities completed during the RI. Daily reports will include a Site figure, a description of Site activities, a photo log and CAMP data. Daily reports will be submitted the following morning after Site work is completed.

8.2 REMEDIAL INVESTIGATION REPORT

Following completion of the work, a summary of the RI will be provided to NYSDEC in a RIR to support implementation of proposed remedial action. The report will include:

- Summary of the RI activities;
- Figure showing sampling locations;
- Tables summarizing laboratory analytical results;
- Laboratory analytical data reports;
- Field sampling data sheets;
- Community Air Monitoring data;
- Findings regarding the nature and extent of contamination at the Site;
- Qualitative exposure assessment of any contamination from an on-Site source that has migrated offsite; and
- Conclusions and recommendations.

The RIR and the Remedial Action Work Plan (RAWP) will be submitted as separate documents. The RIR and RAWP will include all data collected during the RI and adhere to technical requirements of DER-10.

9. Schedule

The Site owner plans to implement this RIWP promptly upon execution of a Brownfield Cleanup Agreement and after approval of the RIWP.

Anticipated RI Schedule	
BCP Application & RIWP and 30-Day Public Comment Period (concurrent with BCP application)	8 February 2023 – 10 March 2023
Executed Brownfield Cleanup Agreement	29 July 2024
NYSDEC Approval of RIWP	January 2025
RI Implementation	January 2025 – February 2025
RIR/RAWP Submittal and 45-Day Public Comment Period	March 2025 / April 2025
NYSDEC Approval of RIR/RAWP	June 2025 / July 2025

References

1. Brownfield Cleanup Program Application. 374 Wallabout Street, Brooklyn, New York. Prepared for Joel Fried by Haley & Aldrich of New York for submission to the New York State Department of Environmental Conservation. Submitted in September 2022.

2. Phase I Environmental Site Assessment – 374 Wallabout Street, Brooklyn, New York. Prepared by Haley & Aldrich of New York. August 2022.

3. Limited Phase II Environmental Site Investigation Report. 374 Wallabout Street, Brooklyn, New York. Prepared by Haley & Aldrich of New York. August 2022.

4. Program Policy DER-10, "Technical Guidance for Site Investigation and Remediation," New York State Department of Environmental Conservation. May 2010.

5. New York State Department of Environmental Conservation, Division of Environmental Remediation, Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs. April 2023.

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TABLES

Table 1. Sample and Analysis Plan
374 Wallabout Street
Brooklyn, New York

Sample Location	Sample Rationale	Estimated Sample Depth (feet bgs)	Target Compound List VOCs (8260B)	Target Compound List SVOCs (8270C)	Total Analyte List Metals (6010)	PCBs (8082)	Pesticides (8081B)	Mercury (7471/7470A)	Total Cyanide (9010C/9012B)	Hexavalent Chromium (7196A)	PFAS (1633)	1,4-Dioxane (8270 SIM)	VOCs (TO-15)
SOIL													
SB01	Shallow Urban Fill	0'-2'	X	X	X	X	X	X	X	X	X	X	
	Urban Fill	3'-5'	X	X	X	X	X	X	X	X	X	X	
	Bottom of Urbal Fill	7'-9'	X	X	X	X	X	X	X	X	X	X	
	2' interval above groundwater interface	TBD	X	X	X	X	X	X	X	X	X	X	
SB02	Shallow Urban Fill	0'-2'	X	X	X	X	X	X	X	X	X	X	
	Urban Fill	3'-5'	X	X	X	X	X	X	X	X	X	X	
	Bottom of Urbal Fill	7'-9'	X	X	X	X	X	X	X	X	X	X	
	2' interval above groundwater interface	TBD	X	X	X	X	X	X	X	X	X	X	
SB03	Shallow Urban Fill	0'-2'	X	X	X	X	X	X	X	X	X	X	
	Urban Fill	3'-5'	X	X	X	X	X	X	X	X	X	X	
	Bottom of Urbal Fill	7'-9'	X	X	X	X	X	X	X	X	X	X	
	2' interval above groundwater interface	TBD	X	X	X	X	X	X	X	X	X	X	
SB04	Shallow Urban Fill	0'-2'	X	X	X	X	X	X	X	X	X	X	
	Urban Fill	3'-5'	X	X	X	X	X	X	X	X	X	X	
	Bottom of Urbal Fill	7'-9'	X	X	X	X	X	X	X	X	X	X	
	2' interval above groundwater interface	TBD	X	X	X	X	X	X	X	X	X	X	
SB05	Shallow Urban Fill	0'-2'	X	X	X	X	X	X	X	X	X	X	
	Urban Fill	3'-5'	X	X	X	X	X	X	X	X	X	X	
	Bottom of Urbal Fill	7'-9'	X	X	X	X	X	X	X	X	X	X	
	2' interval above groundwater interface	TBD	X	X	X	X	X	X	X	X	X	X	
SB06	Shallow Urban Fill	0'-2'	X	X	X	X	X	X	X	X	X	X	
	Urban Fill	3'-5'	X	X	X	X	X	X	X	X	X	X	
	Bottom of Urbal Fill	7'-9'	X	X	X	X	X	X	X	X	X	X	
	2' interval above groundwater interface	TBD	X	X	X	X	X	X	X	X	X	X	
GROUNDWATER													
MW01	Groundwater	5' below groundwater interface	X	X	X	X	X	X	X	X	X	X	
MW02			X	X	X	X	X	X	X	X	X	X	
MW03			X	X	X	X	X	X	X	X	X	X	
MW04			X	X	X	X	X	X	X	X	X	X	
SOIL VAPOR													
SV01	Soil Vapor	7'-8' (and atleast 2' above groundwater interface)											X
SV02													X
SV03													X
SV04													X
SV05													X
QA/QC SAMPLES													
DUP01_DATE	Duplicate Soil (1)	--	X	X	X	X	X	X	X	X	X	X	
DUP02_DATE	Duplicate Soil (2)	--	X	X	X	X	X	X	X	X	X	X	
DUP01_DATE	Duplicate Groundwater (1)		X	X	X	X	X	X	X	X	X	X	
MSMSD01_DATE	MS/MSD Soil (1)	--	X	X	X	X	X	X	X	X	X	X	
MSMSD02_DATE	MS/MSD Soil (2)	--	X	X	X	X	X	X	X	X	X	X	
MSMSD01_DATE	MS/MSD Groundwater (1)	--	X	X	X	X	X	X	X	X	X	X	
FB_DATE	Field Blank	--	X	X	X	X	X	X	X	X	X	X	
TB_DATE	Trip Blank	--	X										

Notes:

VOCs - Volatile Organic Compounds
SVOCs - Semi-volatile Organic Compounds
PCBs - Polychlorinated biphenyls
PFAS - Per- and Polyfluoroalkyl Substances
Additional samples will be collected from any interval exhibiting elevated PID readings or where visual and olfactory evidence of impacts are observed.

QA/QC samples include:

MS/MSD - 1 for every 20 samples
Trip Blanks - 1 per cooler of samples to be analyzed for VOCs
Field Blanks - 1 for every 20 samples
Duplicates - 1 for every 20 samples

Soil QA/QC Samples:

(2) Duplicates
(2) MS/MSD
(2) Field Blanks
(1) Trip Blank per day

Groundwater QA/QC Samples:

(1) Duplicate
(1) MS/MSD
(1) Field Blank
(1) Trip Blank per day

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Table 2. Minimum Reporting Limits
TCL Volatiles - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	2.5	0.7	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	2.5	0.7	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	1.5	0.5	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	2.5	0.7	ug/l	75-130	20	75-130	20	20			
Trichlorofluoromethane	75-69-4	2.5	0.7	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	2.5	0.7	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.7	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.65	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	20	70-130	20	20			
Toluene	108-88-3	2.5	0.7	ug/l	70-130	20	70-130	20	20			
Ethylbenzene	100-41-4	2.5	0.7	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.7	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	2.5	0.7	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	2.5	0.7	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	20	61-145	20	20			
trans-1,2-Dichloroethene	156-60-5	2.5	0.7	ug/l	70-130	20	70-130	20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	20	70-130	20	20			
1,2-Dichlorobenzene	95-50-1	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.7	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	2.5	0.7	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	2.5	0.7	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	2.5	0.7	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	2.5	0.7	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	2.5	0.7	ug/l				20	20			
Dibromomethane	74-95-3	5	1	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	2.5	0.7	ug/l	64-130	20	64-130	20	20			
Acrylonitrile	107-13-1	5	1.5	ug/l	70-130	20	70-130	20	20			
Styrene	100-42-5	2.5	0.7	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc

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Table 2. Minimum Reporting Limits
TCL Volatiles - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	5	1	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	1	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	1	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	1	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	1	ug/l	57-130	20	57-130	20	20			
Bromochloromethane	74-97-5	2.5	0.7	ug/l	70-130	20	70-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.7	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.65	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	2.5	0.7	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.7	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	2.5	0.7	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	2.5	0.7	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.7	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.7	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.7	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	2.5	0.7	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	2.5	0.7	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	2.5	0.7	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.7	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	2.5	0.7	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.7	ug/l	64-130	20	64-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,4-Dioxane	123-91-1	250	60.8	ug/l	56-162	20	56-162	20	20			
1,4-Diethylbenzene	105-05-5	2	0.7	ug/l	70-130	20	70-130	20	20			
4-Ethyltoluene	622-96-8	2	0.7	ug/l	70-130	20	70-130	20	20			
1,2,4,5-Tetramethylbenzene	95-93-2	2	0.542	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.7	ug/l	59-134	20	59-134	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

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Table 2. Minimum Reporting Limits
TCL Volatiles - EPA 8260D/5035 High&Low (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.14	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.23	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.14	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.56	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	10	4.811	ug/kg	54-140	30	54-140	30	30			

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Table 2. Minimum Reporting Limits
TCL Volatiles - EPA 8260D/5035 High&Low (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.65	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	80	35.1	ug/kg	65-136	30	65-136	30	30			
1,4-Diethylbenzene	105-05-5	2	0.177	ug/kg	70-130	30	70-130	30	30			
4-Ethyltoluene	622-96-8	2	0.384	ug/kg	70-130	30	70-130	30	30			
1,2,4,5-Tetramethylbenzene	95-93-2	2	0.191	ug/kg	70-130	30	70-130	30	30			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
2-Chloroethoxyethane												
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

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Table 2. Minimum Reporting Limits
NYTCL Semivolatiles - EPA 8270E (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	133.6	17.3012	ug/kg	31-137	50	31-137	50	50			
1,2,4-Trichlorobenzene	120-82-1	167	19.1048	ug/kg	38-107	50	38-107	50	50			
Hexachlorobenzene	118-74-1	100.2	18.704	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroethyl)ether	111-44-4	150.3	22.6452	ug/kg	40-140	50	40-140	50	50			
2-Chloronaphthalene	91-58-7	167	16.5664	ug/kg	40-140	50	40-140	50	50			
1,2-Dichlorobenzene	95-50-1	167	29.9932	ug/kg	40-140	50	40-140	50	50			
1,3-Dichlorobenzene	541-73-1	167	28.724	ug/kg	40-140	50	40-140	50	50			
1,4-Dichlorobenzene	106-46-7	167	29.1582	ug/kg	28-104	50	28-104	50	50			
3,3'-Dichlorobenzidine	91-94-1	167	44.422	ug/kg	40-140	50	40-140	50	50			
2,4-Dinitrotoluene	121-14-2	167	33.4	ug/kg	40-132	50	40-132	50	50			
2,6-Dinitrotoluene	606-20-2	167	28.6572	ug/kg	40-140	50	40-140	50	50			
Fluoranthene	206-44-0	100.2	19.1716	ug/kg	40-140	50	40-140	50	50			
4-Chlorophenyl phenyl ether	7005-72-3	167	17.869	ug/kg	40-140	50	40-140	50	50			
4-Bromophenyl phenyl ether	101-55-3	167	25.4842	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroisopropyl)ether	108-60-1	200.4	28.5236	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroethoxy)methane	111-91-1	180.36	16.7334	ug/kg	40-117	50	40-117	50	50			
Hexachlorobutadiene	87-68-3	167	24.4488	ug/kg	40-140	50	40-140	50	50			
Hexachlorocyclopentadiene	77-47-4	477.62	151.302	ug/kg	40-140	50	40-140	50	50			
Hexachloroethane	67-72-1	133.6	27.0206	ug/kg	40-140	50	40-140	50	50			
Isophorone	78-59-1	150.3	21.6766	ug/kg	40-140	50	40-140	50	50			
Naphthalene	91-20-3	167	20.3406	ug/kg	40-140	50	40-140	50	50			
Nitrobenzene	98-95-3	150.3	24.716	ug/kg	40-140	50	40-140	50	50			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	133.6	19.0046	ug/kg	36-157	50	36-157	50	50			
n-Nitrosodi-n-propylamine	621-64-7	167	25.7848	ug/kg	32-121	50	32-121	50	50			
Bis(2-Ethylhexyl)phthalate	117-81-7	167	57.782	ug/kg	40-140	50	40-140	50	50			
Butyl benzyl phthalate	85-68-7	167	42.084	ug/kg	40-140	50	40-140	50	50			
Di-n-butylphthalate	84-74-2	167	31.6632	ug/kg	40-140	50	40-140	50	50			
Di-n-octylphthalate	117-84-0	167	56.78	ug/kg	40-140	50	40-140	50	50			
Diethyl phthalate	84-66-2	167	15.4642	ug/kg	40-140	50	40-140	50	50			
Dimethyl phthalate	131-11-3	167	35.07	ug/kg	40-140	50	40-140	50	50			
Benzo(a)anthracene	56-55-3	100.2	18.8042	ug/kg	40-140	50	40-140	50	50			
Benzo(a)pyrene	50-32-8	133.6	40.748	ug/kg	40-140	50	40-140	50	50			
Benzo(b)fluoranthene	205-99-2	100.2	28.1228	ug/kg	40-140	50	40-140	50	50			
Benzo(k)fluoranthene	207-08-9	100.2	26.72	ug/kg	40-140	50	40-140	50	50			
Chrysene	218-01-9	100.2	17.368	ug/kg	40-140	50	40-140	50	50			
Acenaphthylene	208-96-8	133.6	25.7848	ug/kg	40-140	50	40-140	50	50			
Anthracene	120-12-7	100.2	32.565	ug/kg	40-140	50	40-140	50	50			
Benzo(ghi)perylene	191-24-2	133.6	19.6392	ug/kg	40-140	50	40-140	50	50			
Fluorene	86-73-7	167	16.2324	ug/kg	40-140	50	40-140	50	50			
Phenanthrene	85-01-8	100.2	20.3072	ug/kg	40-140	50	40-140	50	50			
Dibenzo(a,h)anthracene	53-70-3	100.2	19.3052	ug/kg	40-140	50	40-140	50	50			
Indeno(1,2,3-cd)Pyrene	193-39-5	133.6	23.2798	ug/kg	40-140	50	40-140	50	50			

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Table 2. Minimum Reporting Limits
NYTCL Semivolatiles - EPA 8270E (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Pyrene	129-00-0	100.2	16.5998	ug/kg	35-142	50	35-142	50	50			
Biphenyl	92-52-4	380.76	21.71	ug/kg	37-127	50	37-127	50	50			
4-Chloroaniline	106-47-8	167	30.394	ug/kg	40-140	50	40-140	50	50			
2-Nitroaniline	88-74-4	167	32.1976	ug/kg	47-134	50	47-134	50	50			
3-Nitroaniline	99-09-2	167	31.4962	ug/kg	26-129	50	26-129	50	50			
4-Nitroaniline	100-01-6	167	69.138	ug/kg	41-125	50	41-125	50	50			
Dibenzofuran	132-64-9	167	15.7982	ug/kg	40-140	50	40-140	50	50			
2-Methylnaphthalene	91-57-6	200.4	20.1736	ug/kg	40-140	50	40-140	50	50			
Acetophenone	98-86-2	167	20.6746	ug/kg	14-144	50	14-144	50	50			
2,4,6-Trichlorophenol	88-06-2	100.2	31.6632	ug/kg	30-130	50	30-130	50	50			
P-Chloro-M-Cresol	59-50-7	167	24.883	ug/kg	26-103	50	26-103	50	50			
2-Chlorophenol	95-57-8	167	19.7394	ug/kg	25-102	50	25-102	50	50			
2,4-Dichlorophenol	120-83-2	150.3	26.8536	ug/kg	30-130	50	30-130	50	50			
2,4-Dimethylphenol	105-67-9	167	55.11	ug/kg	30-130	50	30-130	50	50			
2-Nitrophenol	88-75-5	360.72	62.792	ug/kg	30-130	50	30-130	50	50			
4-Nitrophenol	100-02-7	233.8	68.136	ug/kg	11-114	50	11-114	50	50			
2,4-Dinitrophenol	51-28-5	801.6	77.822	ug/kg	4-130	50	4-130	50	50			
4,6-Dinitro-o-cresol	534-52-1	434.2	80.16	ug/kg	10-130	50	10-130	50	50			
Pentachlorophenol	87-86-5	133.6	36.74	ug/kg	17-109	50	17-109	50	50			
Phenol	108-95-2	167	25.217	ug/kg	26-90	50	26-90	50	50			
2-Methylphenol	95-48-7	167	25.885	ug/kg	30-130.	50	30-130.	50	50			
3-Methylphenol/4-Methylphenol	106-44-5	240.48	26.1522	ug/kg	30-130	50	30-130	50	50			
2,4,5-Trichlorophenol	95-95-4	167	31.9972	ug/kg	30-130	50	30-130	50	50			
Benzoic Acid	65-85-0	541.08	169.004	ug/kg	10-110	50	10-110	50	50			
Benzyl Alcohol	100-51-6	167	51.102	ug/kg	40-140	50	40-140	50	50			
Carbazole	86-74-8	167	16.2324	ug/kg	54-128	50	54-128	50	50			
1,4-Dioxane	123-91-1	25.05	7.682	ug/kg	40-140	50	40-140	50	50			
2-Fluorophenol	*367-12-4*									*25-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*30-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-136*		
4-Terphenyl-d14	*1718-51-0*									*18-120*		

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Table 2. Minimum Reporting Limits
NYTCL Semivolatiles - EPA 8270E (LVI) (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 250ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	2.002	0.44408	ug/l	37-111	30	37-111	30	30			
1,2,4-Trichlorobenzene	120-82-1	5.0232	0.49868	ug/l	39-98	30	39-98	30	30			
Hexachlorobenzene	118-74-1	2.002	0.46592	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethyl)ether	111-44-4	2.002	0.50596	ug/l	40-140	30	40-140	30	30			
2-Chloronaphthalene	91-58-7	2.002	0.4368	ug/l	40-140	30	40-140	30	30			
1,2-Dichlorobenzene	95-50-1	2.002	0.455	ug/l	40-140	30	40-140	30	30			
1,3-Dichlorobenzene	541-73-1	2.002	0.40404	ug/l	40-140	30	40-140	30	30			
1,4-Dichlorobenzene	106-46-7	2.002	0.43316	ug/l	36-97	30	36-97	30	30			
3,3'-Dichlorobenzidine	91-94-1	5.0232	1.62344	ug/l	40-140	30	40-140	30	30			
2,4-Dinitrotoluene	121-14-2	5.0232	1.1648	ug/l	48-143	30	48-143	30	30			
2,6-Dinitrotoluene	606-20-2	5.0232	0.93184	ug/l	40-140	30	40-140	30	30			
Fluoranthene	206-44-0	2.002	0.257348	ug/l	40-140	30	40-140	30	30			
4-Chlorophenyl phenyl ether	7005-72-3	2.002	0.48776	ug/l	40-140	30	40-140	30	30			
4-Bromophenyl phenyl ether	101-55-3	2.002	0.37856	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroisopropyl)ether	108-60-1	2.002	0.5278	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethoxy)methane	111-91-1	5.0232	0.50232	ug/l	40-140	30	40-140	30	30			
Hexachlorobutadiene	87-68-3	2.002	0.65884	ug/l	40-140	30	40-140	30	30			
Hexachlorocyclopentadiene	77-47-4	20.02	0.68796	ug/l	40-140	30	40-140	30	30			
Hexachloroethane	67-72-1	2.002	0.58604	ug/l	40-140	30	40-140	30	30			
Isophorone	78-59-1	5.0232	1.20484	ug/l	40-140	30	40-140	30	30			
Naphthalene	91-20-3	2.002	0.46592	ug/l	40-140	30	40-140	30	30			
Nitrobenzene	98-95-3	2.002	0.77168	ug/l	40-140	30	40-140	30	30			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	2.002	0.4186	ug/l	40-140	30	40-140	30	30			
n-Nitrosodi-n-propylamine	621-64-7	5.0232	0.64428	ug/l	29-132	30	29-132	30	30			
Bis(2-Ethylhexyl)phthalate	117-81-7	3.003	1.53608	ug/l	40-140	30	40-140	30	30			
Butyl benzyl phthalate	85-68-7	5.0232	1.17208	ug/l	40-140	30	40-140	30	30			
Di-n-butylphthalate	84-74-2	5.0232	0.38948	ug/l	40-140	30	40-140	30	30			
Di-n-octylphthalate	117-84-0	5.0232	1.274	ug/l	40-140	30	40-140	30	30			
Diethyl phthalate	84-66-2	5.0232	0.3822	ug/l	40-140	30	40-140	30	30			
Dimethyl phthalate	131-11-3	5.0232	1.82	ug/l	40-140	30	40-140	30	30			
Benzo(a)anthracene	56-55-3	2.002	0.32578	ug/l	40-140	30	40-140	30	30			
Benzo(a)pyrene	50-32-8	2.002	0.40768	ug/l	40-140	30	40-140	30	30			
Benzo(b)fluoranthene	205-99-2	2.002	0.355264	ug/l	40-140	30	40-140	30	30			
Benzo(k)fluoranthene	207-08-9	2.002	0.37492	ug/l	40-140	30	40-140	30	30			
Chrysene	218-01-9	2.002	0.341068	ug/l	40-140	30	40-140	30	30			
Acenaphthylene	208-96-8	2.002	0.46592	ug/l	45-123	30	45-123	30	30			
Anthracene	120-12-7	2.002	0.32942	ug/l	40-140	30	40-140	30	30			
Benzo(ghi)perylene	191-24-2	2.002	0.296296	ug/l	40-140	30	40-140	30	30			
Fluorene	86-73-7	2.002	0.41496	ug/l	40-140	30	40-140	30	30			
Phenanthrene	85-01-8	2.002	0.33124	ug/l	40-140	30	40-140	30	30			
Dibenzo(a,h)anthracene	53-70-3	2.002	0.323232	ug/l	40-140	30	40-140	30	30			
Indeno(1,2,3-cd)Pyrene	193-39-5	2.002	0.39676	ug/l	40-140	30	40-140	30	30			

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Table 2. Minimum Reporting Limits
NYTCL Semivolatiles - EPA 8270E (LVI) (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 250ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Pyrene	129-00-0	2.002	0.279552	ug/l	26-127	30	26-127	30	30			
Biphenyl	92-52-4	2.002	0.45864	ug/l	40-140	30	40-140	30	30			
4-Chloroaniline	106-47-8	5.0232	1.07016	ug/l	40-140	30	40-140	30	30			
2-Nitroaniline	88-74-4	5.0232	0.49868	ug/l	52-143	30	52-143	30	30			
3-Nitroaniline	99-09-2	5.0232	0.81536	ug/l	25-145	30	25-145	30	30			
4-Nitroaniline	100-01-6	5.0232	0.8008	ug/l	51-143	30	51-143	30	30			
Dibenzofuran	132-64-9	2.002	0.49868	ug/l	40-140	30	40-140	30	30			
2-Methylnaphthalene	91-57-6	2.002	0.455	ug/l	40-140	30	40-140	30	30			
Acetophenone	98-86-2	5.0232	0.5278	ug/l	39-129	30	39-129	30	30			
2,4,6-Trichlorophenol	88-06-2	5.0232	0.61152	ug/l	30-130	30	30-130	30	30			
P-Chloro-M-Cresol	59-50-7	2.002	0.35126	ug/l	23-97	30	23-97	30	30			
2-Chlorophenol	95-57-8	2.002	0.48048	ug/l	27-123	30	27-123	30	30			
2,4-Dichlorophenol	120-83-2	5.0232	0.41132	ug/l	30-130	30	30-130	30	30			
2,4-Dimethylphenol	105-67-9	5.0232	1.77996	ug/l	30-130	30	30-130	30	30			
2-Nitrophenol	88-75-5	10.01	0.84812	ug/l	30-130	30	30-130	30	30			
4-Nitrophenol	100-02-7	10.01	0.6734	ug/l	10-80	30	10-80	30	30			
2,4-Dinitrophenol	51-28-5	20.02	6.6612	ug/l	20-130	30	20-130	30	30			
4,6-Dinitro-o-cresol	534-52-1	10.01	1.81636	ug/l	20-164	30	20-164	30	30			
Pentachlorophenol	87-86-5	10.01	1.79452	ug/l	9-103	30	9-103	30	30			
Phenol	108-95-2	5.0232	0.56784	ug/l	12-110	30	12-110	30	30			
2-Methylphenol	95-48-7	5.0232	0.4914	ug/l	30-130	30	30-130	30	30			
3-Methylphenol/4-Methylphenol	106-44-5	5.0232	0.48048	ug/l	30-130	30	30-130	30	30			
2,4,5-Trichlorophenol	95-95-4	5.0232	0.77532	ug/l	30-130	30	30-130	30	30			
Benzoic Acid	65-85-0	50.232	2.66084	ug/l	10-164	30	10-164	30	30			
Benzyl Alcohol	100-51-6	2.002	0.58968	ug/l	26-116	30	26-116	30	30			
Carbazole	86-74-8	2.002	0.4914	ug/l	55-144	30	55-144	30	30			
2-Fluorophenol	*367-12-4*									*21-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*15-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-120*		
4-Terphenyl-d14	*1718-51-0*									*41-149*		

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Table 2. Minimum Reporting Limits
METALS by 6010D (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container
Aluminum, Total	7429-90-5	4	1.08	mg/kg	48-151		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Antimony, Total	7440-36-0	2	0.152	mg/kg	1-208		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Arsenic, Total	7440-38-2	0.4	0.0832	mg/kg	79-121		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Barium, Total	7440-39-3	0.4	0.0696	mg/kg	83-117		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Beryllium, Total	7440-41-7	0.2	0.0132	mg/kg	83-117		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Cadmium, Total	7440-43-9	0.4	0.0392	mg/kg	83-117		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Calcium, Total	7440-70-2	4	1.4	mg/kg	81-119		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Chromium, Total	7440-47-3	0.4	0.0384	mg/kg	80-120		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Cobalt, Total	7440-48-4	0.8	0.0664	mg/kg	84-115		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Copper, Total	7440-50-8	0.4	0.1032	mg/kg	81-118		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Iron, Total	7439-89-6	2	0.3612	mg/kg	45-155		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Lead, TCLP	7439-92-1	0.5	0.027	mg/l	75-125	20	75-125	20	20		180 days	1 - Glass 250ml/8oz unpreserved
Lead, Total	7439-92-1	2	0.1072	mg/kg	81-117		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Lead, TCLP	7439-92-1	0.5	0.027	mg/l	75-125	20	75-125	20	20		180 days	1 - Plastic 500ml unpreserved
Magnesium, Total	7439-95-4	4	0.616	mg/kg	76-124		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Manganese, Total	7439-96-5	0.4	0.0636	mg/kg	81-117		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Nickel, Total	7440-02-0	1	0.0968	mg/kg	83-117		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Potassium, Total	7440-09-7	100	5.76	mg/kg	71-129		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Selenium, Total	7782-49-2	0.8	0.1032	mg/kg	78-122		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Silver, Total	7440-22-4	0.2	0.1132	mg/kg	75-124		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Sodium, Total	7440-23-5	80	1.26	mg/kg	72-127		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Thallium, Total	7440-28-0	0.8	0.126	mg/kg	80-120		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Vanadium, Total	7440-62-2	0.4	0.0812	mg/kg	78-122		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Zinc, Total	7440-66-6	2	0.1172	mg/kg	82-118		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved

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Table 2. Minimum Reporting Limits
METALS by 6020B (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container
Aluminum, Total	7429-90-5	10	3.27	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Antimony, Total	7440-36-0	4	0.429	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Arsenic, Total	7440-38-2	0.5	0.165	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Barium, Total	7440-39-3	0.5	0.173	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Beryllium, Total	7440-41-7	0.5	0.107	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Cadmium, Total	7440-43-9	0.2	0.0599	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Calcium, Total	7440-70-2	100	39.4	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Chromium, Total	7440-47-3	1	0.178	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Cobalt, Total	7440-48-4	0.5	0.163	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Copper, Total	7440-50-8	1	0.384	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Iron, Total	7439-89-6	50	19.1	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Lead, Total	7439-92-1	1	0.343	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Magnesium, Total	7439-95-4	70	24.2	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Manganese, Total	7439-96-5	1	0.44	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Nickel, Total	7440-02-0	2	0.556	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Potassium, Total	7440-09-7	100	30.9	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Selenium, Total	7782-49-2	5	1.73	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Silver, Total	7440-22-4	0.4	0.163	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Sodium, Total	7440-23-5	100	29.3	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Thallium, Total	7440-28-0	1	0.143	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Vanadium, Total	7440-62-2	5	1.57	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Zinc, Total	7440-66-6	10	3.41	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved

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Table 2. Minimum Reporting Limits
TCL PCBs - EPA 8082A (SOIL)

Holding Time: 365 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Aroclor 1016	12674-11-2	50	4.44	ug/kg	40-140	50	40-140	50	50			
Aroclor 1221	11104-28-2	50	5.01	ug/kg	40-140	50	40-140	50	50			
Aroclor 1232	11141-16-5	50	10.6	ug/kg	40-140	50	40-140	50	50			
Aroclor 1242	53469-21-9	50	6.74	ug/kg	40-140	50	40-140	50	50			
Aroclor 1248	12672-29-6	50	7.5	ug/kg	40-140	50	40-140	50	50			
Aroclor 1254	11097-69-1	50	5.47	ug/kg	40-140	50	40-140	50	50			
Aroclor 1260	11096-82-5	50	9.24	ug/kg	40-140	50	40-140	50	50			
Aroclor 1262	37324-23-5	50	6.35	ug/kg	40-140	50	40-140	50	50			
Aroclor 1268	11100-14-4	50	5.18	ug/kg	40-140	50	40-140	50	50			
PCBs, Total	1336-36-3	50	4.44	ug/kg				50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

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Table 2. Minimum Reporting Limits
TCL PCBs - EPA 8082A (LVI) (WATER)

Holding Time: 365 days
Container/Sample Preservation: 2 - Amber 120ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Aroclor 1016	12674-11-2	0.0000714	0.000061047	mg/l	40-140	50	40-140	50	50			
Aroclor 1221	11104-28-2	0.0000714	0.000061047	mg/l	40-140	50	40-140	50	50			
Aroclor 1232	11141-16-5	0.0000714	0.000061047	mg/l	40-140	50	40-140	50	50			
Aroclor 1242	53469-21-9	0.0000714	0.000061047	mg/l	40-140	50	40-140	50	50			
Aroclor 1248	12672-29-6	0.0000714	0.000061047	mg/l	40-140	50	40-140	50	50			
Aroclor 1254	11097-69-1	0.0000714	0.000061047	mg/l	40-140	50	40-140	50	50			
Aroclor 1260	11096-82-5	0.0000714	0.000061047	mg/l	40-140	50	40-140	50	50			
Aroclor 1262	37324-23-5	0.0000714	0.000061047	mg/l	40-140	50	40-140	50	50			
Aroclor 1268	11100-14-4	0.0000714	0.000061047	mg/l	40-140	50	40-140	50	50			
PCBs, Total	1336-36-3	0.0000714	0.000061047	mg/l				50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

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Table 2. Minimum Reporting Limits
TCL Pesticides - EPA 8081B (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 120ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Delta-BHC	319-86-8	1.6008	0.31349	ug/kg	30-150	30	30-150	50	50			
Delta-BHC	319-86-8	0.02	0.00467	ug/l	30-150	20	30-150	30	30			
Lindane	58-89-9	0.667	0.298149	ug/kg	30-150	30	30-150	50	50			
Lindane	58-89-9	0.02	0.00434	ug/l	30-150	20	30-150	30	30			
Alpha-BHC	319-84-6	0.667	0.189428	ug/kg	30-150	30	30-150	50	50			
Alpha-BHC	319-84-6	0.02	0.00439	ug/l	30-150	20	30-150	30	30			
Beta-BHC	319-85-7	1.6008	0.60697	ug/kg	30-150	30	30-150	50	50			
Beta-BHC	319-85-7	0.02	0.0056	ug/l	30-150	20	30-150	30	30			
Heptachlor	76-44-8	0.02	0.0031	ug/l	30-150	20	30-150	30	30			
Heptachlor	76-44-8	0.8004	0.358846	ug/kg	30-150	30	30-150	50	50			
Aldrin	309-00-2	1.6008	0.563615	ug/kg	30-150	30	30-150	50	50			
Aldrin	309-00-2	0.02	0.00216	ug/l	30-150	20	30-150	30	30			
Heptachlor epoxide	1024-57-3	3.0015	0.90045	ug/kg	30-150	30	30-150	50	50			
Heptachlor epoxide	1024-57-3	0.02	0.00415	ug/l	30-150	20	30-150	30	30			
Endrin	72-20-8	0.667	0.27347	ug/kg	30-150	30	30-150	50	50			
Endrin	72-20-8	0.04	0.00429	ug/l	30-150	20	30-150	30	30			
Endrin aldehyde	7421-93-4	2.001	0.70035	ug/kg	30-150	30	30-150	50	50			
Endrin aldehyde	7421-93-4	0.04	0.0081	ug/l	30-150	20	30-150	30	30			
Endrin ketone	53494-70-5	0.04	0.00477	ug/l	30-150	20	30-150	30	30			
Endrin ketone	53494-70-5	1.6008	0.412206	ug/kg	30-150	30	30-150	50	50			
Dieldrin	60-57-1	0.04	0.00429	ug/l	30-150	20	30-150	30	30			
Dieldrin	60-57-1	1.0005	0.50025	ug/kg	30-150	30	30-150	50	50			
4,4'-DDE	72-55-9	1.6008	0.370185	ug/kg	30-150	30	30-150	50	50			
4,4'-DDE	72-55-9	0.04	0.00381	ug/l	30-150	20	30-150	30	30			
4,4'-DDD	72-54-8	1.6008	0.570952	ug/kg	30-150	30	30-150	50	50			
4,4'-DDD	72-54-8	0.04	0.00464	ug/l	30-150	20	30-150	30	30			
4,4'-DDT	50-29-3	1.6008	1.28731	ug/kg	30-150	30	30-150	50	50			
4,4'-DDT	50-29-3	0.04	0.00432	ug/l	30-150	20	30-150	30	30			
Endosulfan I	959-98-8	0.02	0.00345	ug/l	30-150	20	30-150	30	30			
Endosulfan I	959-98-8	1.6008	0.378189	ug/kg	30-150	30	30-150	50	50			
Endosulfan II	33213-65-9	0.04	0.00519	ug/l	30-150	20	30-150	30	30			
Endosulfan II	33213-65-9	1.6008	0.534934	ug/kg	30-150	30	30-150	50	50			
Endosulfan sulfate	1031-07-8	0.04	0.00481	ug/l	30-150	20	30-150	30	30			
Endosulfan sulfate	1031-07-8	0.667	0.317492	ug/kg	30-150	30	30-150	50	50			
Methoxychlor	72-43-5	3.0015	0.9338	ug/kg	30-150	30	30-150	50	50			
Methoxychlor	72-43-5	0.2	0.00684	ug/l	30-150	20	30-150	30	30			
Toxaphene	8001-35-2	30.015	8.4042	ug/kg	30-150	30	30-150	50	50			
Toxaphene	8001-35-2	0.2	0.0627	ug/l	30-150	20	30-150	30	30			
cis-Chlordane	5103-71-9	2.001	0.557612	ug/kg	30-150	30	30-150	50	50			
cis-Chlordane	5103-71-9	0.02	0.00666	ug/l	30-150	20	30-150	30	30			
trans-Chlordane	5103-74-2	0.02	0.00627	ug/l	30-150	20	30-150	30	30			
trans-Chlordane	5103-74-2	2.001	0.528264	ug/kg	30-150	30	30-150	50	50			

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Table 2. Minimum Reporting Limits
TCL Pesticides - EPA 8081B (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 120ml unpreserved
vvvvvvv

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Chlordane	57-74-9	13.34	5.30265	ug/kg	30-150	30	30-150	50	50			
Chlordane	57-74-9	0.2	0.0463	ug/l	30-150	20	30-150	30	30			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

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Table 2. Minimum Reporting Limits
METALS by 7471B (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container
Mercury, Total	7439-97-6	0.08	0.05216	mg/kg	72-128		80-120	20	20		28 days	Metals Only-Glass 60mL/2oz unpreserved

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Table 2. Minimum Reporting Limits
METALS by 7470A (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container
Mercury, Total	7439-97-6	0.2	0.0915	ug/l	80-120		75-125	20	20		28 days	1 - Plastic 500ml HNO3 preserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor (Soil/Solids only)
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Table 2. Minimum Reporting Limits
1,4 Dioxane via EPA 8270E-SIM (ug/L) (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 250ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dioxane	123-91-1	0.15	0.0339	ug/l	40-140	30	40-140	30	30			
1,4-Dioxane-d8	*17647-74-4*									*15-110*		
1,4-Dioxane-d8 (IS)	17647-74-4			ug/l								

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Table 2. Minimum Reporting Limits
WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container
Cyanide, Total	57-12-5	5	1.8	ug/l	85-115	20	80-120	20	20	9010C/9012B	14 days	1 - Plastic 250ml NaOH preserved
Chromium, Hexavalent	18540-29-9	0.8	0.16	mg/kg	80-120	20	75-125	20	20	7196A	30 days	1 - Glass 120ml/4oz unpreserved
Chromium, Hexavalent	18540-29-9	10	3	ug/l	85-115	20	85-115	20	20	7196A	24 hours	1 - Plastic 500ml unpreserved
Cyanide, Total	57-12-5	1	0.212	mg/kg	80-120	35	75-125	35	35	9010C/9012B	14 days	1 - Glass 250ml/8oz unpreserved

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Table 2. Minimum Reporting Limits
PFAAs via EPA 1633 (WATER)

Holding Time: 28 days
Container/Sample Preservation: 3 - Plastic 500ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Perfluorobutanoic Acid (PFBA)	375-22-4	6.4	1.024	ng/l	40-150	30	40-150	30	30			
Perfluorobutanoic Acid (PFBA)	375-22-4	0.8	0.0504	ng/g	40-150	30	40-150	30	30			
Perfluoropentanoic Acid (PFPeA)	2706-90-3	0.4	0.056	ng/g	40-150	30	40-150	30	30			
Perfluoropentanoic Acid (PFPeA)	2706-90-3	3.2	0.856	ng/l	40-150	30	40-150	30	30			
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	0.2	0.0432	ng/g	40-150	30	40-150	30	30			
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	1.6	0.536	ng/l	40-150	30	40-150	30	30			
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	757124-72-4	0.8	0.0808	ng/g	40-150	30	40-150	30	30			
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	757124-72-4	6.4	1.672	ng/l	40-150	30	40-150	30	30			
Perfluorohexanoic Acid (PFHxA)	307-24-4	0.2	0.0464	ng/g	40-150	30	40-150	30	30			
Perfluorohexanoic Acid (PFHxA)	307-24-4	1.6	0.472	ng/l	40-150	30	40-150	30	30			
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	1.6	0.28	ng/l	40-150	30	40-150	30	30			
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	0.2	0.0232	ng/g	40-150	30	40-150	30	30			
Perfluoroheptanoic Acid (PFHpA)	375-85-9	1.6	0.32	ng/l	40-150	30	40-150	30	30			
Perfluoroheptanoic Acid (PFHpA)	375-85-9	0.2	0.0232	ng/g	40-150	30	40-150	30	30			
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	0.2	0.0592	ng/g	40-150	30	40-150	30	30			
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	1.6	0.384	ng/l	40-150	30	40-150	30	30			
Perfluorooctanoic Acid (PFOA)	335-67-1	1.6	0.696	ng/l	40-150	30	40-150	30	30			
Perfluorooctanoic Acid (PFOA)	335-67-1	0.2	0.052	ng/g	40-150	30	40-150	30	30			
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	0.8	0.28	ng/g	40-150	30	40-150	30	30			
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	6.4	2.16	ng/l	40-150	30	40-150	30	30			
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	0.2	0.0368	ng/g	40-150	30	40-150	30	30			
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	1.6	0.432	ng/l	40-150	30	40-150	30	30			
Perfluorononanoic Acid (PFNA)	375-95-1	1.6	0.504	ng/l	40-150	30	40-150	30	30			
Perfluorononanoic Acid (PFNA)	375-95-1	0.2	0.0784	ng/g	40-150	30	40-150	30	30			
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	1.6	0.728	ng/l	40-150	30	40-150	30	30			
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.2	0.0792	ng/g	40-150	30	40-150	30	30			
Perfluorodecanoic Acid (PFDA)	335-76-2	1.6	0.648	ng/l	40-150	30	40-150	30	30			
Perfluorodecanoic Acid (PFDA)	335-76-2	0.2	0.0752	ng/g	40-150	30	40-150	30	30			
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	0.8	0.3872	ng/g	40-150	30	40-150	30	30			
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	6.4	2.488	ng/l	40-150	30	40-150	30	30			
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	0.2	0.0424	ng/g	40-150	30	40-150	30	30			
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	1.6	0.496	ng/l	40-150	30	40-150	30	30			
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSA	2355-31-9	0.2	0.1	ng/g	40-150	30	40-150	30	30			
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSA	2355-31-9	1.6	0.872	ng/l	40-150	30	40-150	30	30			
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	1.6	0.696	ng/l	40-150	30	40-150	30	30			
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	0.2	0.0512	ng/g	40-150	30	40-150	30	30			
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	1.6	0.368	ng/l	40-150	30	40-150	30	30			
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	0.2	0.032	ng/g	40-150	30	40-150	30	30			
Perfluorooctanesulfonamide (FOSA)	754-91-6	1.6	0.432	ng/l	40-150	30	40-150	30	30			
Perfluorooctanesulfonamide (FOSA)	754-91-6	0.2	0.0432	ng/g	40-150	30	40-150	30	30			
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	1.6	0.864	ng/l	40-150	30	40-150	30	30			
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	0.2	0.0824	ng/g	40-150	30	40-150	30	30			

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Table 2. Minimum Reporting Limits
PFAAs via EPA 1633 (WATER)

Holding Time: 28 days
Container/Sample Preservation: 3 - Plastic 500ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Perfluorododecanoic Acid (PFDoA)	307-55-1	1.6	0.736	ng/l	40-150	30	40-150	30	30			
Perfluorododecanoic Acid (PFDoA)	307-55-1	0.2	0.0408	ng/g	40-150	30	40-150	30	30			
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	1.6	0.6	ng/l	40-150	30	40-150	30	30			
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	0.2	0.0528	ng/g	40-150	30	40-150	30	30			
Perfluorotetradecanoic Acid (PFTA)	376-06-7	0.2	0.1064	ng/g	40-150	30	40-150	30	30			
Perfluorotetradecanoic Acid (PFTA)	376-06-7	1.6	0.424	ng/l	40-150	30	40-150	30	30			
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Pr	13252-13-6	0.8	0.0984	ng/g	40-150	30	40-150	30	30			
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Pr	13252-13-6	6.4	0.896	ng/l	40-150	30	40-150	30	30			
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	919005-14-4	6.4	1.008	ng/l	40-150	30	40-150	30	30			
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	919005-14-4	0.8	0.1464	ng/g	40-150	30	40-150	30	30			
Perfluorododecane Sulfonic Acid (PFDoDS)	79780-39-5	0.2	0.0384	ng/g	40-150	30	40-150	30	30			
Perfluorododecane Sulfonic Acid (PFDoDS)	79780-39-5	1.6	0.608	ng/l	40-150	30	40-150	30	30			
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF	756426-58-1	0.8	0.196	ng/g	40-150	30	40-150	30	30			
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF	756426-58-1	6.4	1.32	ng/l	40-150	30	40-150	30	30			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl	763051-92-9	6.4	1.32	ng/l	40-150	30	40-150	30	30			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl	763051-92-9	0.8	0.1672	ng/g	40-150	30	40-150	30	30			
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	31506-32-8	0.2	0.1	ng/g	40-150	30	40-150	30	30			
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	31506-32-8	1.6	0.696	ng/l	40-150	30	40-150	30	30			
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	4151-50-2	0.2	0.112	ng/g	40-150	30	40-150	30	30			
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	4151-50-2	1.6	0.736	ng/l	40-150	30	40-150	30	30			
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	24448-09-7	16	3.76	ng/l	40-150	30	40-150	30	30			
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	24448-09-7	2	0.2504	ng/g	40-150	30	40-150	30	30			
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	1691-99-2	16	1.96	ng/l	40-150	30	40-150	30	30			
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	1691-99-2	2	0.5104	ng/g	40-150	30	40-150	30	30			
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	377-73-1	3.2	0.456	ng/l	40-150	30	40-150	30	30			
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	377-73-1	0.4	0.0408	ng/g	40-150	30	40-150	30	30			
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	863090-89-5	0.4	0.0312	ng/g	40-150	30	40-150	30	30			
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	863090-89-5	3.2	0.424	ng/l	40-150	30	40-150	30	30			
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	113507-82-7	0.4	0.0832	ng/g	40-150	30	40-150	30	30			
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	113507-82-7	3.2	0.352	ng/l	40-150	30	40-150	30	30			
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	151772-58-6	3.2	1.888	ng/l	40-150	30	40-150	30	30			
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	151772-58-6	0.4	0.0952	ng/g	40-150	30	40-150	30	30			
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	356-02-5	1	0.144	ng/g	40-150	30	40-150	30	30			
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	356-02-5	8	2.64	ng/l	40-150	30	40-150	30	30			
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	914637-49-3	40	9.36	ng/l	40-150	30	40-150	30	30			
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	914637-49-3	5	0.5048	ng/g	40-150	30	40-150	30	30			
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	812-70-4	40	6.312	ng/l	40-150	30	40-150	30	30			
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	812-70-4	5	1.76	ng/g	40-150	30	40-150	30	30			
Perfluoro[13C4]Butanoic Acid (MPFBA)	*NONE*									*20-150*		
Perfluoro[13C4]Butanoic Acid (MPFBA)	*NONE*									*20-150*		
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	*NONE*									*20-150*		
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	*NONE*									*20-150*		

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Table 2. Minimum Reporting Limits
PFAAs via EPA 1633 (WATER)

Holding Time: 28 days
Container/Sample Preservation: 3 - Plastic 500ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	*NONE*									*20-150*		
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	*NONE*									*20-150*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-	*NONE*									*20-150*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-	*NONE*									*20-150*		
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	*NONE*									*20-150*		
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	*NONE*									*20-150*		
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	*NONE*									*20-150*		
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	*NONE*									*20-150*		
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	*NONE*									*20-150*		
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	*NONE*									*20-150*		
Perfluoro[13C8]Octanoic Acid (M8PFOA)	*NONE*									*20-150*		
Perfluoro[13C8]Octanoic Acid (M8PFOA)	*NONE*									*20-150*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-	*NONE*									*20-150*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-	*NONE*									*20-150*		
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	*NONE*									*20-150*		
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	*NONE*									*20-150*		
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	*NONE*									*20-150*		
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	*NONE*									*20-150*		
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	*NONE*									*20-150*		
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	*NONE*									*20-150*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-	*NONE*									*20-150*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-	*NONE*									*20-150*		
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid	*NONE*									*20-150*		
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid	*NONE*									*20-150*		
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	*NONE*									*20-150*		
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	*NONE*									*20-150*		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	*NONE*									*20-150*		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	*NONE*									*20-150*		
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (	*NONE*									*20-150*		
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (	*NONE*									*20-150*		
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	*NONE*									*20-150*		
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	*NONE*									*20-150*		
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	*NONE*									*20-150*		
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	*NONE*									*20-150*		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-1	*NONE*									*20-150*		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-1	*NONE*									*20-150*		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	*NONE*									*20-150*		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	*NONE*									*20-150*		
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (d5-NEtFOSA)	*NONE*									*20-150*		
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (d5-NEtFOSA)	*NONE*									*20-150*		
2-(N-Methyl-d3-Perfluoro-1-Octanesulfonamido)ethan-d4-o	*1265205-95-5*									*20-150*		
2-(N-Methyl-d3-Perfluoro-1-Octanesulfonamido)ethan-d4-o	*1265205-95-5*									*20-150*		

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Table 2. Minimum Reporting Limits
PFAAs via EPA 1633 (WATER)

Holding Time: 28 days
Container/Sample Preservation: 3 - Plastic 500ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
2-(N-Ethyl-d5-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (	*NONE*									*20-150*		
2-(N-Ethyl-d5-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (	*NONE*									*20-150*		

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Table 2. Minimum Reporting Limits
Volatile Organics in Air: TO-15 (AIR)

Date Created: 08/01/23
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Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,1,1-Trichloroethane	71-55-6	0.2	0.0614	ppbV	70-130			25	25			
1,1,2,2-Tetrachloroethane	79-34-5	0.2	0.052	ppbV	70-130			25	25			
1,1,2-Trichloroethane	79-00-5	0.2	0.0582	ppbV	70-130			25	25			
1,1-Dichloroethane	75-34-3	0.2	0.0568	ppbV	70-130			25	25			
1,1-Dichloroethene	75-35-4	0.2	0.0568	ppbV	70-130			25	25			
1,2,3-Trimethylbenzene	526-73-8	0.2	0.0576	ppbV	70-130			25	25			
1,2,4-Trichlorobenzene	120-82-1	0.2	0.1	ppbV	70-130			25	25			
1,2,4-Trimethylbenzene	95-63-6	0.2	0.0577	ppbV	70-130			25	25			
1,2,4,5-Tetramethylbenzene	95-93-2	0.2	0.135	ppbV	70-130			25	25			
1,2-Dibromoethane	106-93-4	0.2	0.0544	ppbV	70-130			25	25			
1,2-Dichlorobenzene	95-50-1	0.2	0.0619	ppbV	70-130			25	25			
1,2-Dichloroethane	107-06-2	0.2	0.0787	ppbV	70-130			25	25			
1,2-Dichloropropane	78-87-5	0.2	0.0631	ppbV	70-130			25	25			
1,3,5-Trimethylbenzene	108-67-8	0.2	0.06	ppbV	70-130			25	25			
1,3-Butadiene	106-99-0	0.2	0.0619	ppbV	70-130			25	25			
1,3-Dichlorobenzene	541-73-1	0.2	0.0777	ppbV	70-130			25	25			
1,4-Dichlorobenzene	106-46-7	0.2	0.0826	ppbV	70-130			25	25			
1,4-Dioxane	123-91-1	0.2	0.0538	ppbV	70-130			25	25			
2,2,4-Trimethylpentane	540-84-1	0.2	0.0692	ppbV	70-130			25	25			
2-Butanone	78-93-3	0.5	0.099	ppbV	70-130			25	25			
2-Hexanone	591-78-6	0.2	0.0912	ppbV	70-130			25	25			
2-Methylthiophene	554-14-3	0.2	0.0622	ppbV	70-130			25	25			
3-Methylthiophene	616-44-4	0.2	0.0634	ppbV	70-130			25	25			
3-Chloropropene	107-05-1	0.2	0.086	ppbV	70-130			25	25			
2-Ethylthiophene	872-55-9	0.2	0.0612	ppbV	70-130			25	25			
4-Ethyltoluene	622-96-8	0.2	0.0554	ppbV	70-130			25	25			
Acetone	67-64-1	1	0.515	ppbV	40-160			25	25			
Benzene	71-43-2	0.2	0.0643	ppbV	70-130			25	25			
Benzyl chloride	100-44-7	0.2	0.0939	ppbV	70-130			25	25			
Benzothiophene	95-15-8	0.5	0.273	ppbV	70-130			25	25			
Bromodichloromethane	75-27-4	0.2	0.0689	ppbV	70-130			25	25			
Bromoform	75-25-2	0.2	0.0596	ppbV	70-130			25	25			
Bromomethane	74-83-9	0.2	0.0547	ppbV	70-130			25	25			
Carbon disulfide	75-15-0	0.2	0.0465	ppbV	70-130			25	25			
Carbon tetrachloride	56-23-5	0.2	0.0686	ppbV	70-130			25	25			
Chlorobenzene	108-90-7	0.2	0.0516	ppbV	70-130			25	25			
Chloroethane	75-00-3	0.2	0.0649	ppbV	70-130			25	25			
Chloroform	67-66-3	0.2	0.0552	ppbV	70-130			25	25			
Chloromethane	74-87-3	0.2	0.0576	ppbV	70-130			25	25			
cis-1,2-Dichloroethene	156-59-2	0.2	0.0595	ppbV	70-130			25	25			
cis-1,3-Dichloropropene	10061-01-5	0.2	0.0674	ppbV	70-130			25	25			
Cyclohexane	110-82-7	0.2	0.0728	ppbV	70-130			25	25			

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Table 2. Minimum Reporting Limits
Volatile Organics in Air: TO-15 (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibromochloromethane	124-48-1	0.2	0.0566	ppbV	70-130			25	25			
Dichlorodifluoromethane	75-71-8	0.2	0.0757	ppbV	70-130			25	25			
Ethyl Alcohol	GCDAI06	5	1.74	ppbV	40-160			25	25			
Ethyl Acetate	141-78-6	0.5	0.297	ppbV	70-130			25	25			
Ethylbenzene	100-41-4	0.2	0.0575	ppbV	70-130			25	25			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	0.2	0.0506	ppbV	70-130			25	25			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	0.2	0.0504	ppbV	70-130			25	25			
Hexachlorobutadiene	87-68-3	0.2	0.0607	ppbV	70-130			25	25			
iso-Propyl Alcohol	67-63-0	0.5	0.272	ppbV	40-160			25	25			
Methylene chloride	75-09-2	0.5	0.125	ppbV	70-130			25	25			
4-Methyl-2-pentanone	108-10-1	0.5	0.19	ppbV	70-130			25	25			
Methyl tert butyl ether	1634-04-4	0.2	0.045	ppbV	70-130			25	25			
Methyl Methacrylate	80-62-6	0.5	0.226	ppbV	40-160			25	25			
p/m-Xylene	179601-23-1	0.4	0.125	ppbV	70-130			25	25			
o-Xylene	95-47-6	0.2	0.0621	ppbV	70-130			25	25			
Xylene (Total)	1330-20-7	0.2	0.0621	ppbV				25	25			
Heptane	142-82-5	0.2	0.0828	ppbV	70-130			25	25			
n-Heptane	142-82-5	0.2	0.0828	ppbV	70-130			25	25			
n-Hexane	110-54-3	0.2	0.0743	ppbV	70-130			25	25			
Propylene	115-07-1	0.5	0.135	ppbV	70-130			25	25			
Styrene	100-42-5	0.2	0.0596	ppbV	70-130			25	25			
Tetrachloroethene	127-18-4	0.2	0.0627	ppbV	70-130			25	25			
Thiophene	110-02-1	0.2	0.052	ppbV	70-130			25	25			
Tetrahydrofuran	109-99-9	0.5	0.117	ppbV	70-130			25	25			
Toluene	108-88-3	0.2	0.0867	ppbV	70-130			25	25			
trans-1,2-Dichloroethene	156-60-5	0.2	0.0755	ppbV	70-130			25	25			
1,2-Dichloroethene (total)	540-59-0	0.2	0.0595	ppbV				25	25			
trans-1,3-Dichloropropene	10061-02-6	0.2	0.0783	ppbV	70-130			25	25			
1,3-Dichloropropene, Total	542-75-6	0.2	0.0674	ppbV				25	25			
Trichloroethene	79-01-6	0.2	0.0548	ppbV	70-130			25	25			
Trichlorofluoromethane	75-69-4	0.2	0.0787	ppbV	70-130			25	25			
Vinyl acetate	108-05-4	1	0.323	ppbV	70-130			25	25			
Vinyl bromide	593-60-2	0.2	0.0722	ppbV	70-130			25	25			
Vinyl chloride	75-01-4	0.2	0.0582	ppbV	70-130			25	25			
Naphthalene	91-20-3	0.2	0.078	ppbV	70-130			25	25			
Total HC As Hexane	NONE	10	0.0743	ppbV	70-130			25	25			
Total VOCs As Toluene	NONE	10	0.0867	ppbV	70-130			25	25			
Propane	74-98-6	0.5	0.152	ppbV	70-130			25	25			
Acrylonitrile	107-13-1	0.5	0.0894	ppbV	70-130			25	25			
Acrolein	107-02-8	0.5	0.149	ppbV	60-113			25	25			
1,1,1,2-Tetrachloroethane	630-20-6	0.2	0.0508	ppbV	70-130			25	25			
Isopropylbenzene	98-82-8	0.2	0.0621	ppbV	70-130			25	25			

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Table 2. Minimum Reporting Limits
Volatile Organics in Air: TO-15 (AIR)

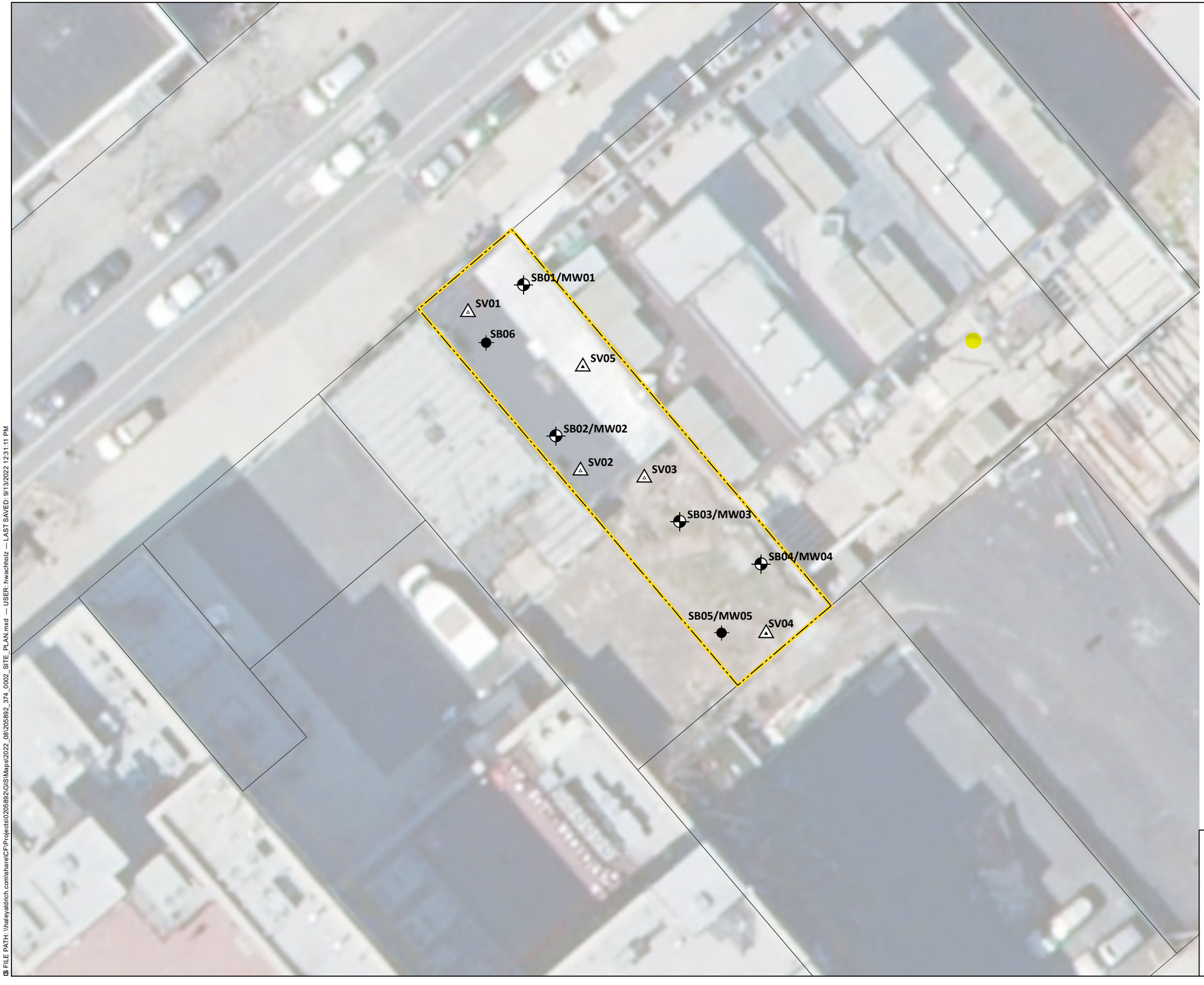
Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,2,3-Trichloropropane	96-18-4	0.2	0.0575	ppbV	70-130			25	25			
Acetonitrile	75-05-8	0.2	0.101	ppbV	70-130			25	25			
Bromobenzene	108-86-1	0.2	0.0579	ppbV	70-130			25	25			
Chlorodifluoromethane	75-45-6	0.2	0.0463	ppbV	70-130			25	25			
Dichlorofluoromethane	75-43-4	0.2	0.112	ppbV	70-130			25	25			
Dibromomethane	74-95-3	0.2	0.0598	ppbV	70-130			25	25			
Pentane	109-66-0	0.2	0.113	ppbV	70-130			25	25			
Octane	111-65-9	0.2	0.0676	ppbV	70-130			25	25			
Tertiary-Amyl Methyl Ether	994-05-8	0.2	0.0672	ppbV	70-130			25	25			
o-Chlorotoluene	95-49-8	0.2	0.0761	ppbV	70-130			25	25			
p-Chlorotoluene	106-43-4	0.2	0.0765	ppbV	70-130			25	25			
2,2-Dichloropropane	594-20-7	0.2	0.0429	ppbV	70-130			25	25			
1,1-Dichloropropene	563-58-6	0.2	0.0593	ppbV	70-130			25	25			
Isopropyl Ether	108-20-3	0.2	0.0631	ppbV	70-130			25	25			
Ethyl-Tert-Butyl-Ether	637-92-3	0.2	0.0731	ppbV	70-130			25	25			
1,2,3-Trichlorobenzene	87-61-6	0.2	0.0738	ppbV	70-130			25	25			
Ethyl ether	60-29-7	0.2	0.0853	ppbV	70-130			25	25			
n-Butylbenzene	104-51-8	0.2	0.0536	ppbV	70-130			25	25			
sec-Butylbenzene	135-98-8	0.2	0.0547	ppbV	70-130			25	25			
tert-Butylbenzene	98-06-6	0.2	0.0551	ppbV	70-130			25	25			
1,2-Dibromo-3-chloropropane	96-12-8	0.2	0.0624	ppbV	70-130			25	25			
p-Isopropyltoluene	99-87-6	0.2	0.0567	ppbV	70-130			25	25			
n-Propylbenzene	103-65-1	0.2	0.0633	ppbV	70-130			25	25			
1,3-Dichloropropane	142-28-9	0.2	0.0536	ppbV	70-130			25	25			
Methanol	67-56-1	5	3.029	ppbV	70-130			25	25			
Acetaldehyde	75-07-0	2.5	1.73	ppbV	70-130			25	25			
Butane	106-97-8	0.2	0.08	ppbV	70-130			25	25			
Nonane (C9)	111-84-2	0.2	0.0737	ppbV	70-130			25	25			
Decane (C10)	124-18-5	0.2	0.0697	ppbV	70-130			25	25			
Undecane	1120-21-4	0.2	0.0709	ppbV	70-130			25	25			
Indane	496-11-7	0.2	0.0591	ppbV	70-130			25	25			
Indene	95-13-6	0.2	0.0711	ppbV	70-130			25	25			
1-Methylnaphthalene	90-12-0	1	0.264	ppbV	70-130			25	25			
Dodecane (C12)	112-40-3	0.2	0.0891	ppbV	70-130			25	25			
Butyl Acetate	123-86-4	0.5	0.208	ppbV	70-130			25	25			
tert-Butyl Alcohol	75-65-0	0.5	0.132	ppbV	70-130			25	25			
2-Methylnaphthalene	91-57-6	1	0.259	ppbV	70-130			25	25			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
Bromofluorobenzene	*460-00-4*									*70-130*		

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FIGURES


73°58'0"W
73°57'0"W
73°56'0"W
40°43'0"N
40°42'0"N
40°41'0"N
SITE
Greenpoint
Williamsburg
Bedford Stuyvesant
Fort Greene
Adelphi
Linden Hi
Brooklyn Navy Yards Industrial Park
Pratt Institute
Sternberg Park
Marcy Playground
Herbert Von King Park
Jesse Owens Playground
Fulton Park
Green Central Knoll
Maria Hernandez Park
Coopers Park
McCarren Park
Marsha P Johnson State Park
East River Park
Mcgr. McGolrick Park
Woodhull Hlth & Mental Hlth Center
P.S. 368
M.S. 582
Maspeth Creek
English Kills
BQE
Brooklyn Queens Expy
Flushing Ave
Myrtle Ave
Broadway
Metropolitan Ave
Grand St
Bedford Ave
Nostrand Ave
Marcy Ave
Lee Ave
Bushwick Ave
Graham Ave
Humboldt St
Meeker Ave
Lorimer St
Union Ave
Rodney St
Driggs Ave
Williamsburg Brg
Borinquen Pl
Manhattan Ave
Broadway
Flushing Ave
Park Ave
Willoughby Ave
De Kalb Ave
Lafayette Ave
Greene Ave
Lexington Ave
Quincy St
Gates Ave
Monroe St
Madison St
Jefferson Ave
Putnam Ave
Fulton St
Atlantic Ave
Pacific St
Bergen St
Long Island
Wallabout St
Vernon Ave
Hart St
Pulaski St
Kosciuszko St
Van Buren St
Halsey St
Macon St
Macdonough St
Decatur St
Bainbridge St
Chauncey St
Herkimer St
Jackson St
Vernon Blvd
Driggs Ave
Engert Ave
Anthony St
Lombardy St
Beadel St
Division Pl
Bayard St
Richardson St
Frost St
Withers St
Skillman Ave
Conselyea St
Devoe St
Ainsle St
Powers St
Grand St
Ten Eyck St
Scholes St
Meserole St
Montrose Ave
Boerum St
Moore St
Varet St
Cook St
Seigel St
McKibbin St
Stagg St
Meadow St
Waterbury St
Olive St
Onent Ave
Sharon St
Rewe St
Maspeth Ave
Morgan Ave
Vandervoort Ave
Porter Ave
Herbert St
Debevoise St
Kent Ave
Wythe Ave
Berry St
Roebling St
Havemeyer St
Marcy Ave
Rodney St
Union Ave
Lorimer St
Manhattan Ave
Graham Ave
Humboldt St
Woodpoint Rd
Bushwick Ave
Broadway
Flushing Ave
Park Ave
Myrtle Ave
Willoughby Ave
De Kalb Ave
Lafayette Ave
Greene Ave
Lexington Ave
Quincy St
Gates Ave
Monroe St
Madison St
Jefferson Ave
Putnam Ave
Fulton St
Atlantic Ave
Pacific St
Bergen St
Long Island
Wallabout St
Vernon Ave
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Pulaski St
Kosciuszko St
Van Buren St
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Macon St
Macdonough St
Decatur St
Bainbridge St
Chauncey St
Herkimer St
Jackson St
Vernon Blvd
Driggs Ave
Engert Ave
Anthony St
Lombardy St
Beadel St
Division Pl
Bayard St
Richardson St
Frost St
Withers St
Skillman Ave
Conselyea St
Devoe St
Ainsle St
Powers St
Grand St
Ten Eyck St
Scholes St
Meserole St
Montrose Ave
Boerum St
Moore St
Varet St
Cook St
Seigel St
McKibbin St
Stagg St
Meadow St
Waterbury St
Olive St
Onent Ave
Sharon St
Rewe St
Maspeth Ave
Morgan Ave
Vandervoort Ave
Porter Ave
Herbert St
Debevoise St
Kent Ave
Wythe Ave
Berry St
Roebling St
Havemeyer St
Marcy Ave
Rodney St
Union Ave
Lorimer St
Manhattan Ave
Graham Ave
Humboldt St
Woodpoint Rd
Bushwick Ave
Broadway
Flushing Ave
Park Ave
Myrtle Ave
Willoughby Ave
De Kalb Ave
Lafayette Ave
Greene Ave
Lexington Ave
Quincy St
Gates Ave
Monroe St
Madison St
Jefferson Ave
Putnam Ave
Fulton St
Atlantic



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- PROPOSED SOIL BORING
- PROPOSED SOIL BORING / MONITORING WELL
- PROPOSED SOIL VAPOR POINT

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
3. AERIAL IMAGERY SOURCE: ESRI

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SCALE IN FEET

HALEY ALDRICH

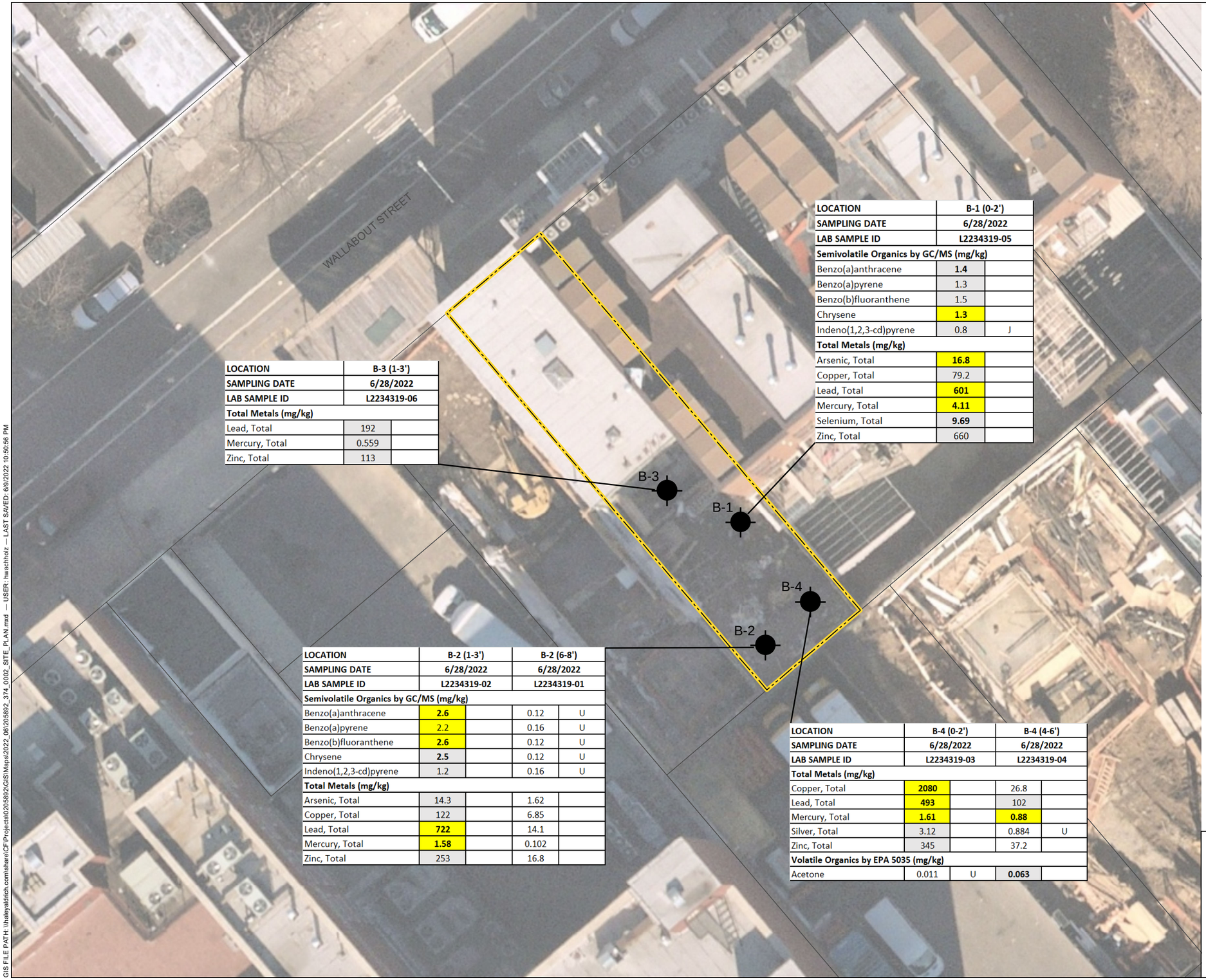
374 WALLABOUT STREET
BROOKLYN, NEW YORK

PROPOSED SAMPLE LOCATION PLAN

DECEMBER 2024

FIGURE 2

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LOCATION	B-3 (1-3')	
SAMPLING DATE	6/28/2022	
LAB SAMPLE ID	L2234319-06	
Total Metals (mg/kg)		
Lead, Total	192	
Mercury, Total	0.559	
Zinc, Total	113	

LOCATION	B-1 (0-2')	
SAMPLING DATE	6/28/2022	
LAB SAMPLE ID	L2234319-05	
Semivolatile Organics by GC/MS (mg/kg)		
Benzo(a)anthracene	**1.4**	
Benzo(a)pyrene	1.3	
Benzo(b)fluoranthene	1.5	
Chrysene	**1.3**	
Indeno(1,2,3-cd)pyrene	0.8	J
Total Metals (mg/kg)		
Arsenic, Total	**16.8**	
Copper, Total	79.2	
Lead, Total	**601**	
Mercury, Total	**4.11**	
Selenium, Total	**9.69**	
Zinc, Total	660	

LOCATION	B-2 (1-3')		B-2 (6-8')	
SAMPLING DATE	6/28/2022		6/28/2022	
LAB SAMPLE ID	L2234319-02		L2234319-01	
Semivolatile Organics by GC/MS (mg/kg)				
Benzo(a)anthracene	**2.6**		0.12	U
Benzo(a)pyrene	2.2		0.16	U
Benzo(b)fluoranthene	**2.6**		0.12	U
Chrysene	**2.5**		0.12	U
Indeno(1,2,3-cd)pyrene	1.2		0.16	U
Total Metals (mg/kg)				
Arsenic, Total	14.3		1.62	
Copper, Total	122		6.85	
Lead, Total	**722**		14.1	
Mercury, Total	**1.58**		0.102	
Zinc, Total	253		16.8	

LOCATION	B-4 (0-2')		B-4 (4-6')	
SAMPLING DATE	6/28/2022		6/28/2022	
LAB SAMPLE ID	L2234319-03		L2234319-04	
Total Metals (mg/kg)				
Copper, Total	**2080**		26.8	
Lead, Total	**493**		102	
Mercury, Total	**1.61**		**0.88**	
Silver, Total	3.12		0.884	U
Zinc, Total	345		37.2	
Volatile Organics by EPA 5035 (mg/kg)				
Acetone	0.011	U	**0.063**	

LEGEND

SITE BOUNDARY

PARCEL BOUNDARY

SOIL BORING LOCATION

New York NYCRR Part 375 New York Restricted and Unrestricted Use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.				
Analyte	**NY-RESGW**	**NY-RESRR**	**NY-UNRES**	**Units**
Semivolatile Organics by GC/MS				
Benzo(a)anthracene	1	1	1	mg/kg
Benzo(a)pyrene	22	1	1	mg/kg
Benzo(b)fluoranthene	1.7	1	1	mg/kg
Chrysene	1	3.9	1	mg/kg
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	mg/kg
Total Metals				
Arsenic, Total	16	16	13	mg/kg
Copper, Total	1720	270	50	mg/kg
Lead, Total	450	400	63	mg/kg
Mercury, Total	0.73	0.81	0.18	mg/kg
Selenium, Total	4	180	3.9	mg/kg
Silver, Total	8.3	180	2	mg/kg
Zinc, Total	2480	10000	109	mg/kg
Volatile Organics by EPA 5035				
Acetone	0.05	100	0.05	mg/kg

NOTES

1. ALL LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.

2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING.

3. AERIAL IMAGERY SOURCE: NEARMAP, 27 FEBRUARY 2022

4. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES (SCO) (NY-UNRES), THE RESTRICTED-USE RESIDENTIAL SCO, PROTECTION OF GROUNDWATER SCOS AND 40 CFR 261 SUBPART C AND TABLE 1 OF 40 CFR 261.24.

5. NY-PGW = NYSDEC PART 375 PROTECTION OF GROUNDWATER SCO

6. NY-RESRR = NYSDEC PART 375 RESTRICTED-USE RESIDENTIAL SCO

7. NY-UNRES = NYSDEC PART 375 UNRESTRICTED USE SCO

8. EXCEEDANCES OF THE NY-UNRES SCOS ARE SHADED GRAY

9. EXCEEDANCES OF THE NY-UNRES AND NY-RESRR ARE SHADED YELLOW

10. EXCEEDANCES OF THE NY-RESGW ARE BOLD

11. RESULTS ARE DISPLAYED IN MILLIGRAMS PER KILOGRAM (mg/kg)

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SCALE IN FEET

HALEY ALDRICH

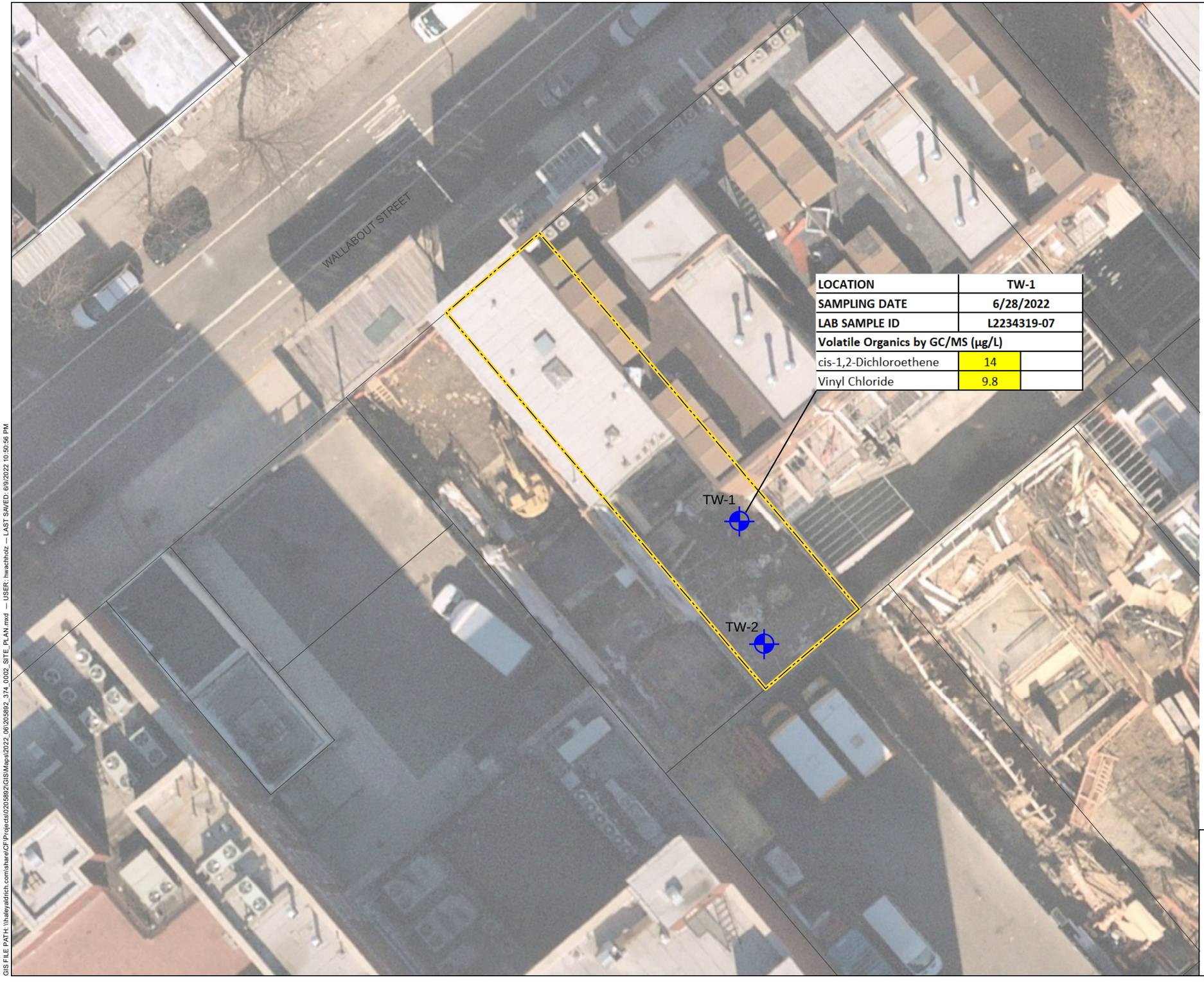
374 WALLABOUT STREET
BROOKLYN, NEW YORK

SUMMARY OF HISTORICAL SOIL ANALYTICAL DATA

OCTOBER 2022

FIGURE 3

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LOCATION	TW-1	
SAMPLING DATE	6/28/2022	
LAB SAMPLE ID	L2234319-07	
Volatile Organics by GC/MS (µg/L)		
cis-1,2-Dichloroethene	14	
Vinyl Chloride	9.8	

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- TEMPORARY WELL POINT LOCATION

Ambient Water Quality Standards (New York State Groundwater Effluent Limitations for Class GA Groundwater)		
Analytes	AWQS	Unit
cis-1,2-Dichloroethene	5	µg/L
Vinyl Chloride	2	µg/L

NOTES

1. ALL LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.
2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING.
3. AERIAL IMAGERY SOURCE: NEARMAP, 27 FEBRUARY 2022
4. GROUNDWATER ANALYTICAL RESULTS COMPARED TO NYSDEC TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS (AWQSs).
5. EXCEEDANCES OF NYSDEC AWQS ARE SHADED YELLOW.
6. RESULTS ARE DISPLAYED IN MICROGRAMS PER LITER (µg/L).

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SCALE IN FEET

HALEY ALDRICH

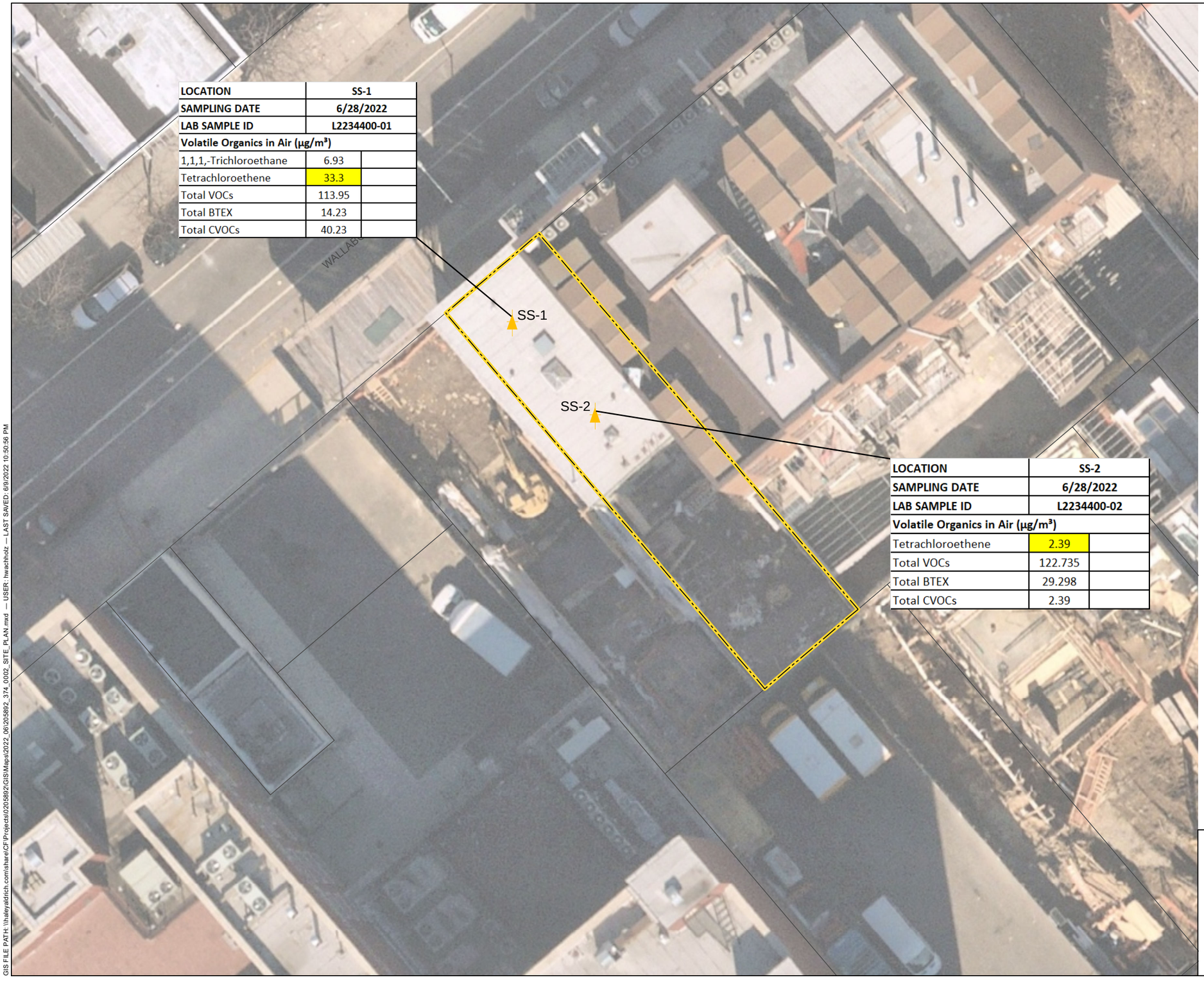
374 WALLABOUT STREET
BROOKLYN, NEW YORK

SUMMARY OF HISTORICAL GROUNDWATER ANATLYICAL DATA

OCTOBER 2022

FIGURE 4

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LOCATION	SS-1	
SAMPLING DATE	6/28/2022	
LAB SAMPLE ID	L2234400-01	
Volatile Organics in Air (µg/m³)		
1,1,1,-Trichloroethane	6.93	
Tetrachloroethene	33.3	
Total VOCs	113.95	
Total BTEX	14.23	
Total CVOCs	40.23	

LOCATION	SS-2	
SAMPLING DATE	6/28/2022	
LAB SAMPLE ID	L2234400-02	
Volatile Organics in Air (µg/m³)		
Tetrachloroethene	2.39	
Total VOCs	122.735	
Total BTEX	29.298	
Total CVOCs	2.39	

LEGEND

SITE BOUNDARY

PARCEL BOUNDARY

SUB SLAB SOIL VAPOR (SS) SAMPLE LOCATION

New York DOH Air Guidance Values Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.		
Volatile Organics in Air	NYSDOH AGVs	Units
1,1,1-Trichloroethane	~	~
Tetrachloroethene	2	µg/m³

NOTES

1. ALL LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.

2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING.

3. AERIAL IMAGERY SOURCE: NEARMAP, 27 FEBRUARY 2022

4. RESULTS ARE DISPLAYED IN MICROGRAMS PER CUBIC METER (µg/m3)

5. NYSDOH AGV: NEW YORK DOH AIR GUIDANCE VALUES CONCENTRATIONS CRITERIA PER GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION, OCTOBER 2006, AND UPDATED MAY 2017. EXCEEDANCES OF AGVS ARE BOLDED AND UNDERLINED.

6. EXCEEDANCES OF NYSDOH AGVS ARE SHADED YELLOW

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SCALE IN FEET

HALEY ALDRICH

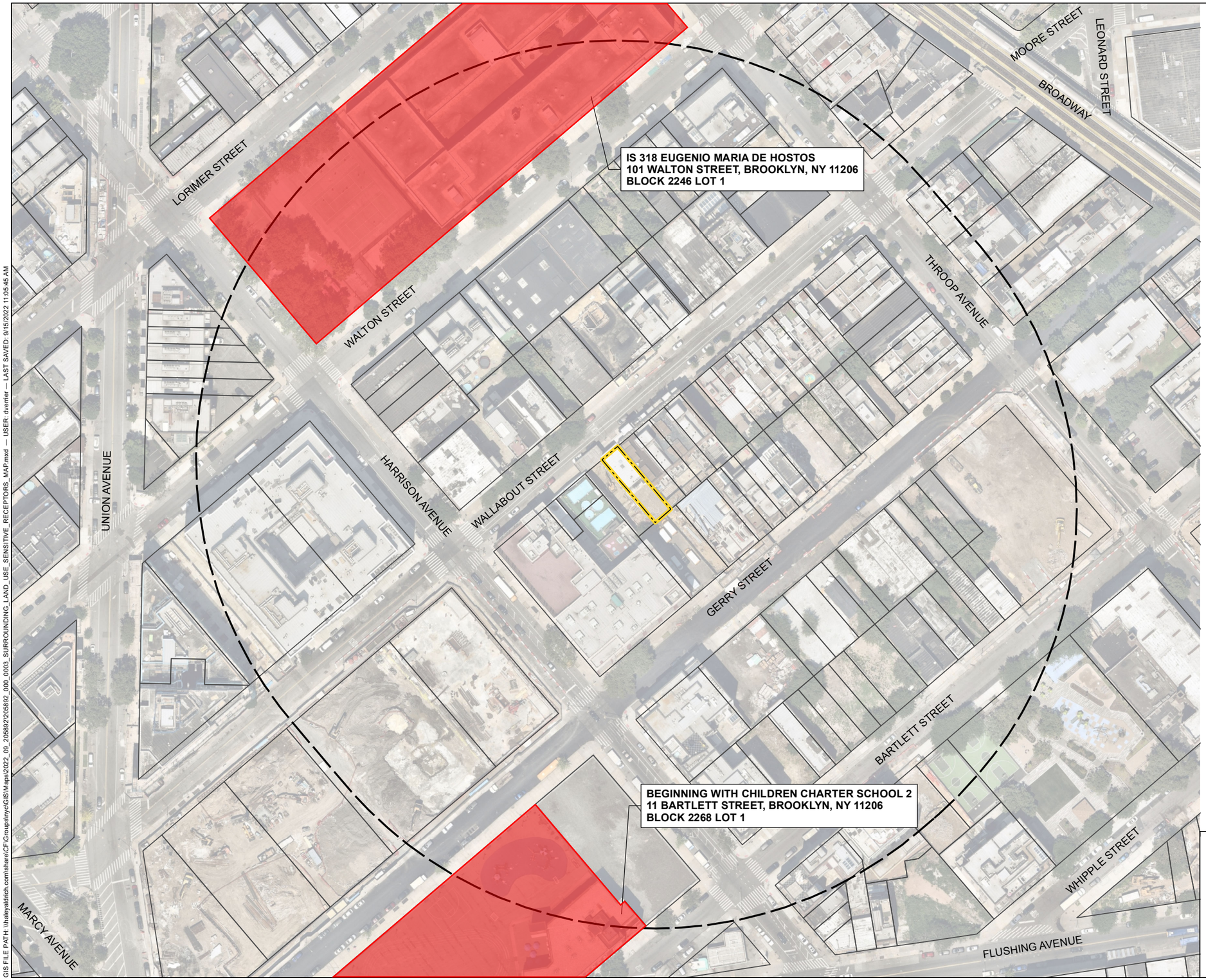
374 WALLABOUT STREET
BROOKLYN, NEW YORK

SUMMARY OF HISTORICAL SOIL VAPOR ANALYTICAL DATA

OCTOBER 2022

FIGURE 5

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LEGEND

- 500-FT SITE BOUNDARY BUFFER
- PARCEL BOUNDARY
- SITE BOUNDARY
- SENSITIVE RECEPTOR

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. FT = FEET
3. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
4. AERIAL IMAGERY SOURCE: NEARMAP, 19 JULY 2022

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0 120 240
SCALE IN FEET

HALEY ALDRICH

374 WALLABOUT STREET
BROOKLYN, NEW YORK

SURROUNDING SENSITIVE RECEPTOR MAP

OCTOBER 2022

FIGURE 6

GIS FILE PATH: \\haleyaldrich.com\share\CF\Groups\nyc\GIS\Maps\2022_09_205882\205892_000_0003_SURROUNDING_LAND_USE_SENSITIVE_RECEPTORS_MAP.mxd — USER: dverrier — LAST SAVED: 9/15/2022 11:05:45 AM

APPENDIX A

Previous Reports

(provided as separate files)

APPENDIX B
Field Sampling Plan

HALEY ALDRICH

www.haleyaldrich.com

FIELD SAMPLING PLAN
374 WALLABOUT STREET
BROOKLYN, NEW YORK

by
Haley & Aldrich of New York
New York, New York

for
Joel Fried
374 Wallabout Street
Brooklyn, New York 11206

File No. 0205892
December 2024

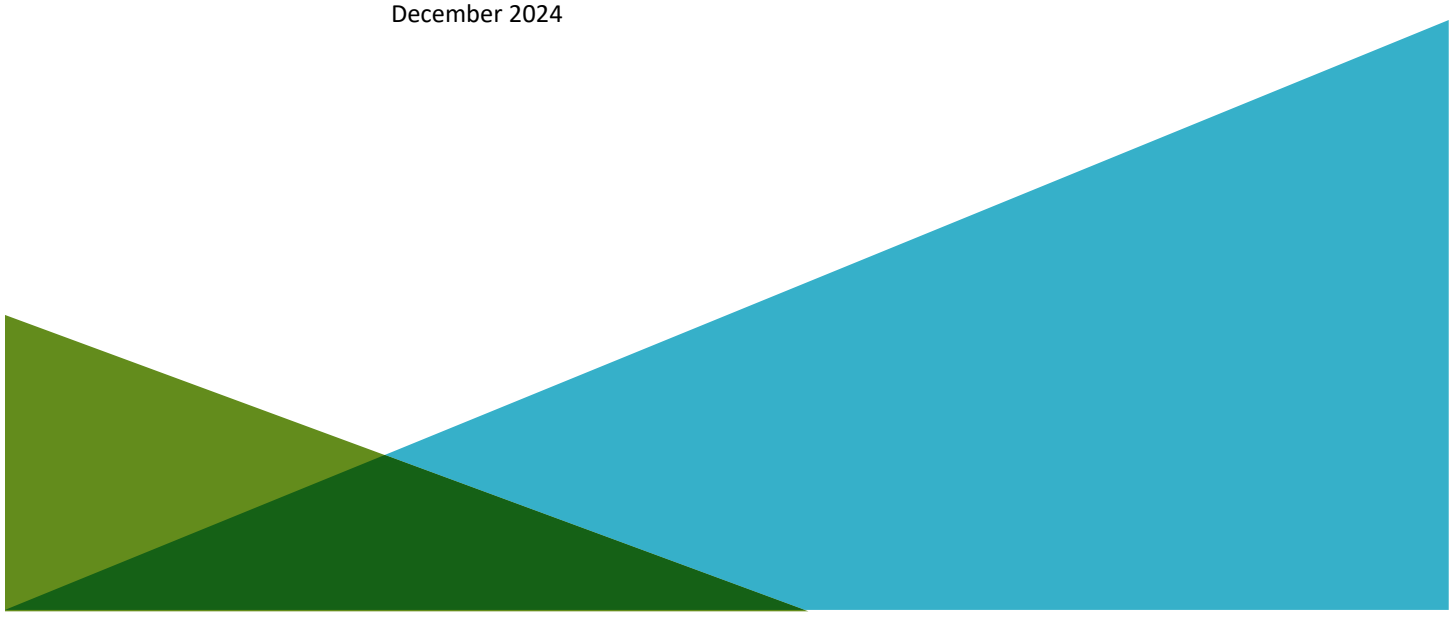


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APPENDIX A – Field Forms

1. Introduction

This Field Sampling Plan (FSP) has been prepared as a component of the Remedial Investigation Work Plan (RIWP) for the subject Site located at 374 Wallabout Street in Brooklyn, New York. This document was prepared to establish field procedures for field data collection to be performed in support of the RIWP for the Site.

The RIWP includes this Field Sampling Plan, a Quality Assurance Project Plan (QAPP) and Health and Safety Plan (HASP), which are included as part of this plan by reference.

The standard operating procedures (SOP) included as components of this plan will provide the procedures necessary to meet the project objectives. The SOPs will be used as reference for the methods to be employed for field sample collection and handling and the management of field data collected in the execution of the approved RIWP. The SOPs include numerous methods to execute the tasks of the RIWP. The Project Manager will select the appropriate method as required by field conditions and/or the objective the respective project task at the time of sample collection. Field procedures will be conducted in general accordance with the New York State Department of Conservation (NYSDEC) Technical Guidance for Site Investigation and Remediation (DER-10) and the Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs" dated April 2023.

2. Field Program

This FSP provides the general purpose of sampling as well as procedural information. The RIWP contains the details on sampling and analysis (locations, depths, frequency, analyte lists, etc.).

The field program has been designed to acquire the necessary data to comply with the RIWP, and includes the following tasks:

- Soil sampling;
- Groundwater sampling;
- Soil vapor and indoor air/ ambient air sampling; and,
- Sampling of investigation of derived wastes (IDW) as needed for disposal.

A Limited Phase II Environmental Site Investigation (ESI) was performed at the Site in August 2022 to investigate the anticipated contaminants of concern identified based on the Site's current and former uses. The Limited Phase II ESI partially determined the nature and extent of semi-volatile organic compounds (SVOCs) and metals in soil and chlorinated volatile organic compounds (CVOCs) in groundwater; the investigation also identified the presence of CVOCs in soil vapor. The site characterization did not identify a source of contamination on the Site, therefore additional targeted soil, groundwater, and soil vapor sampling is proposed.

These SOPs presented herein may be changed as required, dependent on-site conditions, or equipment limitations, at the time of sample collection. If the procedures employed differ from the SOP, the deviations will be documented in the associated sampling report.

3. Utility Clearance

Invasive remedial activities such as excavation or remedial construction activities require location of underground utilities prior to initiating work. Such clearance is sound practice in that it minimizes the potential for damage to underground facilities and more importantly, is protective of the health and safety of personnel. Under no circumstances will invasive activities be allowed to proceed without obtaining proper utility clearance by the appropriate public agencies and/or private entities. This clearance requirement applies to all work on both public and private properties, whether located in a dense urban area or a seemingly out-of-the-way rural location.

The drilling contractor performing the work will be responsible for obtaining utility clearance.

Utility clearance is required by law, and obtaining clearance includes contacting a public or private central clearance agency via a "one-call" telephone service and providing the proposed exploration location information. It is important to note that public utility agencies may not, and usually do not have information regarding utility locations on private property.

Before beginning subsurface work at any proposed exploration locations, it is critical that all readily available information on underground utilities and structures be obtained. This includes publicly available information as well as information in the possession of private landowners. Any drawings obtained must be reviewed in detail for information pertaining to underground utilities.

Using the information obtained, the site should be viewed in detail for physical evidence of buried lines or structures, including pavement cuts and patches, variation in or lack of vegetation, variations in grading, etc. Care must also be taken to avoid overhead utilities as well. Presence of surface elements of buried utilities should be documented, such as manholes, gas or water service valves, catch basins, monuments or other evidence.

Overhead utility lines must be considered when choosing exploration and excavation locations. Most states require a minimum of 10 ft of clearance between equipment and energized wires. Such separation requirements may also be voltage-based and may vary depending on state or municipality regulations. In evaluating clearance from overhead lines, the same restrictions may apply to "drops", or wires on a utility pole connecting overhead and underground lines.

Using the information obtained and observations made, proposed exploration or construction locations should be marked in the field. Marking locations can be accomplished using spray paint on the ground, stakes, or other means. All markings of proposed locations should be made in white, in accordance with the generally accepted universal color code for facilities identification (AWMA 4/99):

- White: Proposed Excavation or Drilling location
- Pink: Temporary Survey Markings
- Red: Electrical Power Lines, Cables, Conduit and Lighting Cables
- Yellow: Gas, Oil, Steam, Petroleum or Gaseous Materials
- Orange: Communication, Alarm or Signal Lines, Cables or Conduits
- Blue: Potable Water
- Purple: Reclaimed Water, Irrigation and Slurry Lines
- Green: Sewers and Drain Lines

In order to effectively evaluate the proposed locations with these entities, detailed, accurate measurements between the proposed locations and existing surface features should be obtained. Such features can be buildings, street intersections, utility poles, guardrails, etc.

Obtaining the utility clearance generally involves the designated "One-Call" underground facilities protection organization for the area and the landowner and one or both following entities:

- A third-party utility locator company will be utilized to locate underground utilities outside of the public right-of-way; and/or
- "Soft dig" excavation techniques to confirm or deny the presence of underground utilities in the area.

The proposed locations should be evaluated in light of information available for existing underground facilities. The detailed measurement information described above will be required by the "one call" agency. The owners of the applicable, participating underground utilities are obligated to mark their respective facilities at the site in the colors described above. Utility stake-out activities will typically not commence for approximately 72 hours after the initial request is made.

The public and private utility entities generally only mark the locations of their respective underground facilities within public rights-of-way. Determination of the locations of these facilities on private property will be the responsibility of the property owner or Contractor. If available information does not contain sufficient detail to locate underground facilities with a reasonable amount of confidence, alternate measures may be appropriate, as described below. In some cases, the memory of a long-time employee of a facility on private property may be the best or only source of information. It is incumbent on the Consultant or Contractor to exercise caution and use good judgement when faced with uncertainty.

Note: It is important to note that not all utilities are participants in the "one-call" agency or process. As such, inquiries must be made with the "one-call" agency to determine which entities do not participate, so they can be contacted independently.

Most utility stakeouts have a limited time period for which they remain valid, typically two to three weeks. It is critical that this time period be considered to prevent expiration of clearance prior to completion of the invasive activities, and the need to repeat the stake-out process.

Care must be exercised to document receipt of notice from the involved agencies of the presence or absence of utilities in the vicinity of the proposed locations.

Most agencies will generally provide a telephone or fax communication indicating the lack of facilities in the project area. If contact is not made by all of the agencies identified by the "one-call" process, do not assume that such utilities are not present. Re-contact the "one-call" agency to determine the status.

For complicated sites with multiple proposed locations and multiple utilities, it is advisable to arrange an on-site meeting with utility representatives. This will minimize the potential for miscommunication amongst the involved parties.

Completion of the utility stake out process is not a guarantee that underground facilities will not be encountered in excavations or boreholes; in fact, most "one-call" agencies and individual utilities do not

offer guarantees, nor do they accept liability for damage that might occur. In areas outside the public right-of-way, a utility locating service may be utilized to locate underground utilities. It is advisable that any invasive activities proceed with extreme caution in the upper four to five feet in the event the clearance has failed to identify an existing facility. This may necessitate hand-excavation or probing to confirm potential presence of shallow utilities. If uncertainty exists for any given utility, extra activities can be initiated to solve utility clearance concerns. These options include:

- Screening the proposed work areas with utility locating devices, and/or hiring a utility locating service to perform this task.
- Hand digging, augering or probing to expose or reveal shallow utilities and confirm presence and location. In northern climates, this may require advancing to below frost line, typically at least four feet.
- Using "soft dig" techniques that utilize specialized tools and compressed air to excavate soils and locate utilities. This technique is effective in locating utilities to a depth of four to five feet.

Equipment/Materials:

- White Spray paint
- Wooden stakes, painted white or containing white flagging
- Color-code key
- Available drawings

4. Field Data Recording

This procedure describes protocol for documenting the investigation activities in the field. Field data serves as the cornerstone for an environmental project, not only for site characterization but for additional phases of investigation or remedial design. Producing defensible data includes proper and appropriate recording of field data as it is obtained in a manner to preserve the information for future use. This procedure provides guidelines for accurate, thorough collection and preservation of written and electronic field data.

Field data to be recorded during the project generally includes, but is not limited to, the following:

- general field observations;
- numeric field measurements and instrument readings;
- quantity estimates;
- sample locations and corresponding sample numbers;
- relevant comments and details pertaining to the samples collected;
- documentation of activities, procedures and progress achieved;
- contractor pay item quantities;
- weather conditions;
- a listing of personnel involved in site-related activities;
- a log of conversations, site meetings and other communications; and,
- field decisions and pertinent information associated with the decisions.

4.1 Written Field Data

Written field data will be collected using a standardized, pre-printed field log form. In general, use of a field log form is preferable as it prompts field personnel to make appropriate observations and record data in a standardized format. This promotes completeness and consistency from one person to the next. Otherwise, electronic data collection using a handheld device produces equal completeness and consistency using a preformatted log form.

In the absence of an appropriate pre-printed form, the data should be recorded in an organized and structured manner in a dedicated project field log book. Log books must be hard cover, bound so that pages cannot be added or removed, and should be made from high-grade 50% rag paper with a water-resistant surface.

The following are guidelines for use of field log forms and log books:

1. Information must be factual and complete.
2. All entries will be made in black indelible ink with a ballpoint pen and will be written legibly. Do not use “rollerball” or felt tip-style pens, since the water-soluble ink can run or smear in the presence of moisture.
3. Field log forms should be consecutively numbered.
4. Each day’s work must start a new form/page.
5. At the end of each day, the current log book page or forms must be signed and dated by the field personnel making the entries.

6. Make data entries immediately upon obtaining the data. Do not make temporary notes in other locations for later transfer; this only increases the potential for error or loss of data.
7. Entry errors are to be crossed out with a single line and initialed by the person making the correction.
8. Do not leave blanks on log forms, if no entry is applicable for a given data field, indicate so with "NA" or a dash ("--").
9. At the earliest practical time, photocopies or typed versions of log forms and log book pages should be made and placed in the project file as a backup in the event the book or forms are lost or damaged.
10. Log books should be dedicated to one project only, i.e., do not record data from multiple projects in one log book.

4.2 Electronic Data

Electronic data recording involves electronic measurement of field information through the use of monitoring instruments, sensors, gauges, and equipment controls. The following is a list of guidelines for proper recording and management of electronic field data:

1. Field data management should follow requirements of a project-specific data management plan (DMP), if applicable.
2. Use only instruments that have been calibrated in accordance with manufacturer's recommendations.
3. Usage of instruments, controls, and computers for the purpose of obtaining field data should only be performed by personnel properly trained and experienced in the use of the equipment and software.
4. Use only fully licensed software on personal computers and laptops.
5. Loss of electronic files may mean loss of irreplaceable data. Every effort should be made to back up electronic files obtained in the field as soon as practical. A backup file placed on the file server will minimize the potential for loss.
6. Electronic files, once transferred from field instruments or laptops to office computers, should be protected if possible, to prevent unwanted or inadvertent manipulation or modification of data. Several levels of protection are usually available for spreadsheets, including making a file "read-only" or assigning a password to access the file.
7. Protect CD disks from exposure to moisture, excessive heat or cold, magnetic fields, or other potentially damaging conditions.
8. Remote monitoring is often used to obtain stored electronic data from site environmental systems. A thorough discussion of this type of electronic field data recording is beyond the scope of this Section. Such on-site systems are generally capable of storing a limited amount of data as a comma-delimited or spreadsheet file. Users must remotely access the monitoring equipment files via modem or other access and download the data. In order to minimize the potential for loss of data, access and downloading of data should be performed frequently enough to ensure the data storage capacity of the remote equipment is not exceeded.

Equipment/Materials:

- Appropriate field log forms, or iPad® or equivalent with preformatted log forms.
- Indelible ball point pen (do not use "rollerball" or felt-tip style pens);
- Straight edge;

- Pocket calculator; and
- Laptop computer (if required).

5. Aquifer Characterization

This procedure describes measurement of water levels in groundwater monitoring.

A synoptic gauging round will be completed to obtain water levels in monitoring wells. Water levels will be acquired in a manner that provides accurate data that can be used to calculate vertical and horizontal hydraulic gradients and other hydrogeologic parameters. Accuracy in obtaining the measurements is critical to ensure the usability of the data.

5.1 Procedure

In order to provide reliable data, water level monitoring events should be collected over as short a period of time as practical. Barometric pressure can affect groundwater levels and, therefore, observation of significant weather changes during the period of water level measurements must be noted. Rainfall events and groundwater pumping can also affect groundwater level measurements. Personnel collecting water level data must note if any of these controls are in effect during the groundwater level collection period. Due to possible changes during the groundwater level collection period, it is imperative that the time of data collection at each station be accurately recorded. Water levels will also be collected prior to any sample collection that day.

The depth to groundwater will be measured with an electronic depth-indicating probe. Prior to obtaining a measurement, a fixed reference point on the well casing will be established for each well to be measured. Unless otherwise established, the reference point is typically established and marked on the north side of the well casing. Do not use protective casings or flush-mounted road boxes as a reference, due to the potential for damage or settlement. The elevation of the reference point shall be obtained by accepted surveying methods, to the nearest 0.01 ft.

The water level probe will be lowered into the well until the meter indicates (via indicator light or tone) the water is reached. The probe will be raised above water level and slowly lowered again until water is indicated. The cable will be held against the side of the inner protective casing at the point designated for water level measurements and a depth reading taken. This procedure will be followed three times or until a consistent value is obtained. The value will be recorded to the nearest 0.01 feet on the Groundwater Level Monitoring Report form.

Upon completion, the probe will be raised to the surface and together with the amount of cable that entered the well casing, will be decontaminated in accordance with methods described in Equipment Decontamination Procedure.

Equipment/Materials:

- Battery-operated, non-stretch electronic water level probe with permanent markings at 0.01 ft. increments, such as the Solinst Model 101 or equivalent.
- The calibrated cable on the depth indicator will be checked against a surveyor's steel tape once per quarter year. A new cable will be installed if the cable has changed by more than 0.01% (0.01 feet for a 100-foot cable). See also the Field Instruments – Use and Calibration Procedure.
- Groundwater Level Monitoring Report form.

6. Sample Collection for Laboratory Analysis

6.1 SOIL SAMPLE COLLECTION FOR LABORATORY ANALYSIS

The following procedure is an introduction to soil sampling techniques and an outline of field staff responsibilities. All samples will be collected with dedicated sampling equipment.

6.1.1 Preparatory Requirements

Prior to the beginning of any remedial investigation or remedial measures activities, staff must attend a project briefing for the purpose of reviewing the project work plan, site and utility plans, drawings, applicable regulations, sampling location, depth, and criteria, site contacts, and other related documents. Health and safety concerns will be documented in a site-specific Health & Safety Plan.

A file folder for the field activities should be created and maintained such that all relevant documents and log forms likely to be useful for the completion of field activities by others are readily available in the event of personnel changes.

6.1.2 Soil Classification

The stratigraphic log is a factual description of the soil at the borehole location and is relied upon to interpret the soil characteristics, and their influence and significance in the subsurface environment. The accuracy of the stratigraphic log is to be verified by the person responsible for interpreting subsurface conditions. An accurate description of the soil stratigraphy is essential for a reasonable understanding of the subsurface conditions. Confirmation of the field description by examination of representative soil samples by the project geologist, hydrogeologist, or geotechnical engineer (whenever practicable) is recommended.

The ability to describe and classify soil correctly is a skill that is learned from a person with experience and by systematic training and comparison of laboratory results to field descriptions.

6.1.2.1 Data Recording

Several methods for classifying and describing soils or unconsolidated sediments are in relatively widespread use. The Unified Soil Classification System (USCS) is the most common. With the USCS, a soil is first classified according to whether it is predominantly coarse-grained or fine-grained.

The description of fill soil is similar to that of natural undisturbed soil except that it is identified as fill and not classified by USCS group, relative density, or consistency. Those logging soils must attempt to distinguish between soils that have been placed (i.e., fill) and not naturally present; or soils that have been naturally present but disturbed (i.e., disturbed native).

It is necessary to identify and group soil samples consistently to determine the subsurface pattern or changes and non-conformities in soil stratigraphy in the field at the time of drilling. The stratigraphy in each borehole during drilling is to be compared to the stratigraphy found at the previously completed

boreholes to ensure that pattern or changes in soil stratigraphy are noted and that consistent terminology is used.

Visual examination, physical observations and manual tests (adapted from ASTM D2488, visual-manual procedures) are used to classify and group soil samples in the field and are summarized in this subsection. ASTM D2488 should be reviewed for detailed explanations of the procedures. Visual-manual procedures used for soil identification and classification include:

- visual determination of grain size, soil gradation, and percentage fines;
- dry strength, dilatancy, toughness, and plasticity (thread or ribbon test) tests for identification of inorganic fine-grained soil (e.g., CL, CH, ML, or MH); and
- soil compressive strength and consistency estimates based on thumb indent and pocket penetrometer (preferred) methods.

Soil characteristics like plasticity, strength and dilatancy should be determined using the Haley & Aldrich Soil Identification Field Form.

6.1.2.2 Field Sample Screening

Upon the collection of soil samples, the soil is screened with a photoionization detector (PID) for the presence of organic vapor. This is accomplished by running the PID across the soil sample. The highest reading and sustained readings are recorded.

Note: The PID measurement must be done upwind of the excavating equipment or any running engines so that exhaust fumes will not affect the measurements.

Another method of field screening is head space measurements. This consists of placing a portion of the soil sample in a sealable glass jar, placing aluminum foil over the jar top, and tightening the lid. Alternatively, plastic sealable bags may be utilized for field screen in lieu of glass containers. The jar should only be partially filled. Shake the jar and set aside for at least 30 minutes. After the sample has equilibrated, the lid of the jar can be opened; the foil is punctured with the PID probe and the air (headspace) above the soil sample is monitored. This headspace reading on the field form or in the field book is recorded. All head space measurements must be completed under similar conditions to allow comparability of results. Soil classification and PID readings will be recorded in the daily field report.

Equipment/Materials:

- Pocket knife or small spatula
- Small handheld lens
- Stratigraphic Log (Overburden) (Form 2001)
- Tape Measure
- When sampling for PFAS, acceptable materials for sampling include stainless steel, high density polyethylene (HDPE), PVC, silicone, acetate, and polypropylene.

6.1.3 Soil Sampling

Soil samples will be collected from acetate liners installed by a track-mounted direct push drill rig (Geoprobe®) operated by a licensed operator. Soil samples will be collected using a stainless-steel

trowel or sampling spoon into laboratory provided sample containers. If it is necessary to relocate any proposed sampling location due to terrain, utilities, access, etc., the Project Manager must be notified, and an alternate location will be selected.

Prior to use and between each sampling location at an environmental site, the sampling equipment must be decontaminated. All decontamination must be conducted in accordance with the project specific plans or the methods presented in SOP 7.0.

6.1.4 Sampling Techniques

The following procedure describes typical soil sample collection methods for submission of samples to a laboratory for chemical analysis. The primary goal of soil sampling is to collect representative samples for examination and chemical analysis (if required).

Environmental soil samples obtained for chemical analyses are collected with special attention given to the rationale behind determining the precise zone to sample, the specifics of the method of soil extraction and the requisite decontamination procedures. Preservation, handling and glassware for environmental soil samples varies considerably depending upon several factors including the analytical method to be conducted, and the analytical laboratory being used.

Soil sampling for PFAS will be performed in accordance with the NYSDEC "Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC Part 375 Remedial Programs" dated April 2023 and the June 2019 Sampling for "1,4-dioxane and PFAS Under DECs Part 375 Remedial Programs," respectively.

6.1.4.1 Grab Versus Composite Samples

A grab sample is collected to identify and quantify conditions at a specific location or interval. The sample is comprised of the minimum amount of soil necessary to make up the volume of sample dictated by the required sample analyses. Composite samples may be obtained from several locations or along a linear trend (in a test pit or excavation). Sampling may occur within or across stratification.

6.2 GROUNDWATER SAMPLE COLLECTION FOR LABORATORY ANALYSIS

The following section describes two techniques for groundwater sampling: "Low Stress/Low Flow Methods" and "Typical Sampling Methods."

"Low Stress/Low Flow" methods will be employed for collection of groundwater samples.

NOTE: If non-aqueous phase liquids (NAPL) (light or dense) are detected in a monitoring well, groundwater sample collection will not be conducted, and the Project Manager must be contacted to determine a course of action.

6.2.1 Preparatory Requirements

- Verify well identification and location using borehole log details and location layout figures. Note the condition of the well and record any necessary repair work required.

- Prior to opening the well cap, measure the breathing space above the well casing with a handheld organic vapor analyzer to establish baseline breathing space VOC levels. Repeat this measurement once the well cap is opened. If either of these measurements exceeds the air quality criteria in the HASP, field personnel should adjust their PPE accordingly.

- Prior to commencing the groundwater purging/sampling, a water level must be obtained to determine the well volume for hydraulic purposes. In some settings, it may be necessary to allow the water level time to equilibrate. This condition exists if a watertight seal exists at the well cap and the water level has fluctuated above the top of screen; creating a vacuum or pressurized area in this air space. Three water level checks will verify static water level conditions have been achieved.

- Calculate the volume of water in the well. Typically overburden well volumes consider only the quantity of water standing in the well screen and riser; bedrock well volumes are calculated on the quantity of water within the open core hole and within the overburden casing.

6.2.2 Well Development

Well development is completed to remove fine grained materials from the well but in such a manner as to not introduce fines from the formation into the sand pack. Well development continues until the well responds to water level changes in the formation (i.e., a good hydraulic connection is established between the well and formation) and the well produces clear, sediment-free water to the extent practical.

- Attach appropriate pump and lower tubing into well.

- Gauge well and calculate one well volume. Turn on pump. If well runs dry, shut off pump and allow to recover.

- Surging will be performed by raising and lowering the pump several times to pull fine-grained material from the well. Periodically measure turbidity level using a La Motte turbidity reader.

- The second and third steps will be repeated until turbidity is less than 50 nephelometric turbidity units (NTU) or when 10 well volumes have been removed.

- All water generated during cleaning and development procedures will be collected and contained on site in 55-gallon drums for future analysis and appropriate disposal.

Equipment:

- Appropriate health and safety equipment
- Knife

- Power source (generator)
- Field book
- Well Development Form (Form 3006)
- Well keys
- Graduated pails
- Pump and tubing
- Cleaning supplies (including non-phosphate soap, buckets, brushes, laboratory-supplied distilled/deionized water, tap water, cleaning solvent, aluminum foil, plastic sheeting, etc.)
  Water level meter

6.2.3 Well Purging and Stabilization Monitoring (Low Stress/Low Flow Method)

The preferred method for groundwater sampling will be the low stress/low flow method described below.

- Slowly lower the pump, safety cable, tubing and electrical lines into the well to the depth specified by the project requirements. The pump intake must be at the midpoint of the well screen to prevent disturbance and resuspension of any sediment in the screen base.

- Before starting the pump, measure the water level again with the pump in the well leaving the water level measuring device in the well when completed.

- Purge the well at 100 to a maximum of 500 milliliters per minute (mL/min). During purging, the water level should be monitored approximately every 5 minutes, or as appropriate. A steady flow rate should be maintained that results in drawdown of 0.3 feet or less. The rate of pumping should not exceed the natural flow rate conditions of the well. Care should be taken to maintain pump suction and to avoid entrainment of air in the tubing. Record adjustments made to the pumping rates and water levels immediately after each adjustment.

- During the purging of the well, monitor and record the field indicator parameters (pH, temperature, conductivity, oxidation-reduction (redox) reaction potential (ORP), dissolved oxygen (DO), and turbidity) approximately every five minutes. Stabilization is considered to be achieved when the final groundwater flow rate is achieved, and three consecutive readings for each parameter are within the following limits:

  - pH: 0.1 pH units of the average value of the three readings;
  - Temperature: 3 percent of the average value of the three readings;
  - Conductivity: 0.005 milliSiemen per centimeter (mS/cm) of the average value of the three readings for conductivity <1 mS/cm and 0.01 mS/cm of the average value of the three readings for conductivity >1 mS/cm;
  - ORP: 10 millivolts (mV) of the average value of the three readings;
  - DO: 10 percent of the average value of the three readings; and
  - Turbidity: 10 percent of the average value of the three readings, or a final value of less than 50 nephelometric turbidity units (NTU).

- The pump must not be removed from the well between purging and sampling.

6.2.4 Sampling Techniques

- If an alternate pump is utilized, the first pump discharge volumes should be discarded to allow the equipment a period of acclimation to the groundwater.

- Samples are collected directly from the pump with the groundwater being discharged directly into the appropriate sample container. Avoid handling the interior of the bottle or bottle cap and don new gloves for each well sampled to avoid contamination of the sample.

- Order of sample collection:

  - Polyfluoroalkyl substances (PFAS)
  - Volatile organic compounds (VOC)
  - 1,4-Dioxane
  - Semi-volatile organic compounds (SVOC)
  - Total Analyte List (TAL) metals
  - PCBs, pesticides, and herbicides

- No sampling equipment components or sample containers should come in contact with aluminum foil, low density polyethylene, glass, or polytetrafluoroethylene (PTFE, Teflon™) materials including plumbers tape and sample bottle cap liners with a PTFE layer.

- For low stress/low flow sampling, samples should be collected at a flow rate between 100 and 500 mL/min and such that drawdown of the water level within the well does not exceed the maximum allowable drawdown of 0.3 feet.

The pumping rate used to collect a sample for VOC should not exceed 100 mL/min. Samples should be transferred directly to the final container 40 mL glass vials completely full and topped with a Teflon cap. Once capped the vial must be inverted and tapped to check for headspace/air presence (bubbles). If air is present, the sample will be discarded, and recollected until free of air.

- Groundwater sampling for PFAS will be performed in accordance with NYSDEC "Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC Part 375 Remedial Programs" dated April 2023 and the June 2019 Sampling for "1,4-dioxane and PFAS Under DECs Part 375 Remedial Programs," respectively.

- All samples must be labeled with:
  - A unique sample number
  - Date and time
  - Parameters to be analyzed
  - Project Reference ID
  - Samplers initials

- Labels should be written in indelible ink and secured to the bottle with clear tape.

Equipment/Materials:

- pH meter, conductivity meter, DO meter, ORP meter, nephelometer, temperature gauge

- Field filtration units (if required)
- Purging/sampling equipment
  - Peristaltic Pump
- Water level probe
- Sampling materials (containers, log book/forms, coolers, chain of custody)
- Work Plan
- Health and Safety Plan
- When sampling for PFAS, acceptable materials for sampling include stainless steel, HDPE, PVC, silicone, acetate, and polypropylene.

Note: Peristaltic pump use for VOC collection is not acceptable on NYSDEC/EPA/RCRA sites; this technique has gained acceptance in select areas where it is permissible to collect VOCs using a peristaltic pump at a low flow rate (e.g. Michigan).

Note: 1,4-Dioxane and PFAS purge and sample techniques will be conducted following the NYSDEC guidance documents (see Appendix D of the RIWP). Acceptable groundwater pumps include stainless steel inertia pump with HDPE tubing, peristaltic pump equipped with HDPE tubing and silicone tubing, stainless steel bailer with stainless steel ball or bladder pump (identified as PFAS-free) with HDPE tubing.

Field Notes:

- Field notes must document all the events, equipment used, and measurements collected during the sampling activities. Section 2.0 describes the data/recording procedure for field activities.
- The log book should document the following for each well sampled:
  - Identification of well
  - Well depth
  - Static water level depth and measurement technique
  - Sounded well depth
  - Presence of immiscible layers and detection/collection method
  - Well yield – high or low
  - Purge volume and pumping rate
  - Time well purged
  - Measured field parameters
  - Purge/sampling device used
  - Well sampling sequence
  - Sampling appearance
  - Sample odors
  - Sample volume
  - Types of sample containers and sample identification
  - Preservative(s) used
  - Parameters requested for analysis
  - Field analysis data and method(s)
  - Sample distribution and transporter
  - Laboratory shipped to
  - Chain of custody number for shipment to laboratory
  - Field observations on sampling event
  - Name collector(s)
  - Climatic conditions including air temperature

- Problems encountered and any deviations made from the established sampling protocol.

A standard log form for documentation and reporting groundwater purging and sampling events are presented on the Groundwater Sampling Record, Low Flow Groundwater Sampling Form, and Low Flow Monitored Natural Attenuation (MNA) Field Sampling Form. Refer to Appendix A for example field forms.

Groundwater/Decon Fluid Disposal:

- Groundwater disposal methods will vary on a case-by-case basis but may range from:
  - Off-site treatment at private treatment/disposal facilities or public owned treatment facilities
  - On-site treatment at Facility operated facilities
  - Direct discharge to the surrounding ground surface, allowing groundwater infiltration to the underlying subsurface regime
- Decontamination fluids should be segregated and collected separately from wash waters/groundwater containers.

6.3 SOIL VAPOR SAMPLING

The following procedure is an introduction to soil vapor sampling techniques and an outline of field staff responsibilities.

6.3.1 Preparatory Requirements

Prior to collecting the field sample, ensure the stainless-steel or polyethylene soil vapor probe has been installed to the desired depth and sealed completely to the surface using a material such as bentonite. As part of the vapor intrusion evaluation, a tracer gas should be used in accordance with NYSDOH protocols to serve as a quality assurance/quality control (QA/QC) to verify the integrity of the soil vapor probe seal. A container (box, plastic pail, etc.) will serve to keep the tracer gas in contact with the probe during testing. A portable monitoring device will be used to analyze a sample of soil vapor for the tracer gas prior to sampling. If the tracer sample results show a significant presence of the tracer, the probe seals will be adjusted to prevent infiltration. At the conclusion of the sampling round, tracer monitoring should be performed a second time to confirm the integrity of the probe seals.

6.3.2 Sampling Techniques

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

6.4 SAMPLE HANDLING AND SHIPPING

Sample management is the continuous care given to each sample from the point of collection to receipt at the analytical laboratory. Good sample management ensures that samples are properly recorded, properly labeled, and not lost, broken, or exposed to conditions which may affect the sample's integrity.

All sample submissions must be accompanied with a chain of custody (COC) document to record sample collection and submission. Personnel performing sampling tasks must check the sample preparation and preservation requirements to ensure compliance with the Quality Assurance Project Plan.

The following sections provide the minimum standards for sample management.

6.4.1 Sample Handling

Prior to entering the field area where sampling is to be conducted, especially at sites with defined exclusion zones, the sampler should ensure that all materials necessary to complete the sampling are on hand. If samples must be maintained at a specified temperature after collection, dedicated coolers and ice must be available for use. Conversely, when sampling in cold weather, proper protection of water samples, trip blanks, and field blanks must be considered. Sample preservation will involve pH adjustment, cooling to 4°C, and sample filtration and preservation.

6.4.2 Sample Labeling

Samples must be properly labeled immediately upon collection.

Note that the data shown on the sample label is the minimum data required. The sample label data requirements are listed below for clarity.

- Project name
- Sample name/number/unique identifier
- Sampler's initials
- Date of sample collection
- Time of sample collection
- Analysis required
- Preservatives

To ensure that samples are not confused, a clear notation should be made on the container with a permanent marker. If the containers are too soiled for marking, the container can be put into a "zip lock" bag which can then be labeled.

All sample names will be as follows:

- Sample unique identifier: Enter the sample name or number. There should be NO slashes, spaces or periods in the date.
- Date: Enter the six-digit date when the sample was collected. Note that for one-digit days, months, and/or years, add zeros so that the format is MMDDYY (050210). There should be NO slashes, dashes, or periods in the date.

The QA/QC samples will be numbered consecutively as collected with a sample name, date and number of samples collected throughout the day (i.e. when multiple QA/QC samples are collected in one day). Examples of this naming convention are as follows:

Sample Name:	Comments
TB-050202-0001	TRIP BLANK
TB-050202-0002	TRIP BLANK
FD-050202-0001	FIELD DUPLICATE
FD-050202-0002	FIELD DUPLICATE

NOTE: The QA/QC Sample # resets to 0001 EACH DAY, this will avoid having to look back to the previous day for the correct sequential number.

6.4.3 Field Code

The field code will be written in the 'Comments' field on the chain of custody for EVERY sample but will not be a part of the actual sample name. Enter the one/two-character code for type of sample (must be in CAPITALS):

N	Normal Field Sample
FD	Field Duplicate (note sample number (i.e. 0001) substituted for time)
TB	Trip Blank (note sample number (i.e. 0001) substituted for time)
EB	Equipment Blank (note sample number (i.e. 0001) substituted for time)
FB	Field Blank (note sample number (i.e. 0001) substituted for time)
KD	Known Duplicate
FS	Field Spike Sample
MS	Matrix Spike Sample (note on 'Comments' field of COC – laboratory to spike matrix.
MD	Matrix Spike Duplicate Sample (note on 'Comments' field of COC – laboratory to spike matrix.
RM	Reference Material

The sample labeling – both chain and sample bottles must be EXACTLY as detailed above. In addition, the Field Sample Key for each sample collected must be filled out.

6.4.4 Packaging

Sample container preparation and packing for shipment should be completed in a well-organized and clean area, free of any potential cross contamination. The following is a list of standard guidelines which must be followed when packing samples for shipment.

- Double bag ice in "Zip Lock" bags.
- Double check to ensure trip and temperature blanks have been included for all shipments containing VOCs, or where otherwise specified in the QAPP.
- Enclose the Chain of Custody form in a "Zip Lock" bag.
- Ensure custody seals (two, minimum) are placed on each cooler. Coolers with hinged lids should have both seals placed on the opening edge of the lid. Coolers with "free" lids should have seals placed on opposite diagonal corners of the lid. Place clear tape over custody seals.

- Containers should be wiped clean of all debris/water using paper towels (paper towels must be disposed of with other contaminated materials).
- Clear, wide packing tape should be placed over the sample label for protection.
- Do not bulk pack. Each sample must be individually padded.
- Large glass containers (1 liter and up) require much more space between containers.
- Ice is not a packing material due to the reduction in volume when it melts.

Note: Never store sterile sample containers in enclosures containing equipment which use any form of fuel or volatile petroleum-based product. When conducting sampling in freezing conditions at sites without a heated storage area (free of potential cross contaminants), unused trip blanks should be isolated from coolers immediately after receipt. Trip blanks should be double bagged and kept from freezing.

6.4.5 Chain-of-Custody Records

Chain of custody (COC) forms will be completed for all samples collected. The form documents the transfer of sample containers. The COC record, completed at the time of sampling, will contain, but not be limited to, the sample number, date and time of sampling, and the name of the sampler. The COC document will be signed and dated by the sampler when transferring the samples.

Each sample cooler being shipped to the laboratory will contain a COC form. The cooler will be sealed properly for shipment. The laboratory will maintain a copy for their records. One copy will be returned with the data deliverables package.

The following list provides guidance for the completion and handling of all COCs:

- COCs used should be a Haley & Aldrich standard form or supplied by the analytical laboratory.
- COCs must be completed in black ball point ink only.
- COCs must be completed neatly using printed text.
- If a simple mistake is made, cross out the error with a single line and initial and date the correction.
- Each separate sample entry must be sequentially numbered.
- If numerous repetitive entries must be made in the same column, place a continuous vertical arrow between the first entry and the next different entry.
- When more than one COC form is used for a single shipment, each form must be consecutively numbered using the "Page ___ of ___" format.
- If necessary, place additional instructions directly onto the COC in the Comment Section. Do not enclose separate instructions.
- Include a contact name and phone number on the COC in case there is a problem with the shipment.
- Before using an acronym on a COC, define clearly the full interpretation of your designation [i.e., polychlorinated biphenyls (PCBs)].

6.4.6 Shipment

Prior to the start of the field sampling, the carrier should be contacted to determine if pickup will be at the field site location. If pick-up is not available at the Site, the nearest pick-up or drop off location should be determined. Sample shipments must not be left at unsecured drop locations.
Copies of all shipment manifests must be maintained in the field file.

7. Field Instruments – Use and Calibration

A significant number of field activities involve usage of electronic instruments to monitor for environmental conditions and health and safety purposes. It is imperative the instruments are used and maintained properly to optimize their performance and minimize the potential for inaccuracies in the data obtained. This section provides guidance on the usage, maintenance and calibration of electronic field equipment.

- All monitoring equipment will be in proper working order and operated in accordance with manufacturer's recommendations.
- Field personnel will be responsible for ensuring that the equipment is maintained and calibrated in the field in accordance with manufacturer's recommendations.
- Instruments will be operated only by personnel trained in the proper usage and calibration.
- Personnel must be aware of the range of conditions such as temperature and humidity for instrument operation. Usage of instruments in conditions outside these ranges will only proceed with approval of the Project Manager and/or Health and Safety Officer as appropriate.
- Instruments that contain radioactive source material, such as x-ray fluorescence (XRF) analyzers or moisture-density gauges require specific transportation, handling and usage procedures that are generally associated with a license from the Nuclear Regulatory Commission (NRC) or an NRC-Agreement State. Under no circumstance will operation of such instruments be allowed on site unless by properly authorized and trained personnel, using the proper personal dosimetry badges or monitoring instruments.

7.1 GENERAL PROCEDURE DISCUSSION

Care must be taken to minimize the potential for transfer of contaminated materials to the ground or onto other materials. Regardless of the size or nature of the equipment being decontaminated, the process will utilize a series of steps that involve removal of gross material (dirt, grease, oil etc.), washing with a detergent, and multiple rinsing steps. In lieu of a series of washes and rinse steps, steam cleaning with low-volume, high-pressure equipment (i.e., steam cleaner) is acceptable.

Exploration equipment, and all monitoring equipment in contact with the sampling media must be decontaminated prior to initiating site activities, in between exploration locations to minimize cross-contamination, and prior to mobilizing off site after completion of site work.

The following specific decontamination procedure is recommended for sampling equipment and tools:

- Brush loose soil off equipment;
- Wash equipment with laboratory grade detergent (i.e., Alconox or equivalent);
- Rinse with tap water;
- Rinse equipment with distilled water;
- Allow water to evaporate before reusing equipment; and

- Wrap equipment in aluminum foil when not being used.

7.2 DECONTAMINATION OF MONITORING EQUIPMENT

Because monitoring equipment is difficult to decontaminate, care should be exercised to prevent contamination. Sensitive monitoring instruments should be protected when they are at risk of exposure to contaminants. This may include enclosing them in plastic bags allowing an opening for the sample intake. Ventilation ports should not be covered.

If contamination does occur, decontamination of the equipment will be required; however, immersion in decontamination fluids is not possible. As such, care must be taken to wipe the instruments down with detergent-wetted wipes or sponges, and then with de-ionized water-wetted wipes or sponges.

7.3 DISPOSAL OF WASH SOLUTIONS AND CONTAMINATED EQUIPMENT

All contaminated wash water, rinses, solids, and materials used in the decontamination process that cannot be effectively decontaminated (such as polyethylene sheeting) will be containerized and disposed of in accordance with applicable regulations. All containers will be labeled with an indelible marker as to contents and date of placement in the container, and any appropriate stickers required (such as PCBs). Storage of decontamination wastes on site will not exceed 90 days under any circumstances.

Equipment/Materials:

Decontamination equipment and solutions are generally selected based on ease of decontamination and disposability.

- Polyethylene sheeting;
- Metal racks to hold equipment;
- Soft-bristle scrub brushes or long-handle brushes for removing gross contamination and scrubbing with wash solutions;
- Large galvanized wash tubs, stock tanks, or wading pools for wash and rinse solutions;
- Plastic buckets or garden sprayers for rinse solutions;
- Large plastic garbage cans or other similar containers lined with plastic bags can be used to store contaminated clothing;
- Contaminated liquids and solids should be segregated and containerized in DOT-approved plastic or metal drums, appropriate for offsite shipping/disposal if necessary.

8. Investigation Derived Waste Disposal

8.1 RATIONALE/ASSUMPTIONS

This procedure applies to the disposition of investigation derived waste (IDW) including soils and/or groundwater. IDW is dealt with the following "Best Management Practices" and is not considered a listed waste due to the lack of generator knowledge concerning chemical source, chemical origin, and timing of chemical introduction to the subsurface.

Consequently, waste sampling and characterization is performed to determine if the wastes exhibit a characteristic of hazardous waste. The disposal of soil cuttings, test pit soils and/or purged groundwater will be reviewed on a case-by-case basis prior to initiation of field activities. Two scenarios typically exist:

- When no information is available in the area of activity or investigation, and impacted media/soils are identified. Activities such as new construction and /or maintenance below grade may encounter environmental conditions that were unknown.
- Disposal Required/Containerization Required – When sufficient Site information regarding the investigative Site conditions warrant that all materials handled will be contained and disposed.

If a known listed hazardous and/or characteristically hazardous waste/contaminated environmental media is being handled, then handling must be performed in accordance with RCRA Subtitle C (reference 2, Part V, Section 1(a),(b),(c)).

The following outlines the waste characterization procedures to be employed when IDW disposal is required.

The following procedure describes the techniques for characterization of IDW for disposal purposes. IDW may consist of soil cuttings (augering, boring, well installation soils, test pit soils), rock core or rock flour (from coring, reaming operations), groundwater (from well development, purging and sampling activities), decontamination fluids, personal protective equipment (PPE), and disposal equipment (DE).

8.2 PROCEDURE

The procedures for handling and characterization of field activity generated wastes are:

A.) Soil Cuttings - Soils removed from boring activities will be contained within an approved container, suitable for transportation and disposal.

- Once placed into the approved container, any free - liquids (i.e., groundwater) will be removed for disposal as waste fluids or solidified within the approved container using a solidification agent such as Speedy Dri (or equivalent).
- Contained soils will be screened for the presence of Volatile Organic Compounds (VOCs), using a Photo ionization detector (PID); this data will be logged for future reference.
- Once screened, full and closed; the container will be labeled and placed into the container storage area. At a minimum, the following information will be shown on each container

label: date of filling/generation, Site name, source of soils (i.e., borehole or well), and contact.

- Prior to container closure, representative samples from the containers will be collected for waste characterization purposes and submitted to the project laboratory.
- Typically, at a location where an undetermined site-specific parameter group exists, sampling and analysis may consist of the full RCRA Waste Characterization (ignitability, corrosivity, reactivity, toxicity), or a subset of the above based upon data collected, historical information, and generator knowledge.

B.) Groundwater - purging, and sampling groundwater, which requires disposal, will be contained.

- Containment may be performed in 55-gallon drums, tanks suitable for temporary storage (i.e., Nalgene tanks 500 to 1,000 gallons) or if large volumes of groundwater are anticipated, tanker trailer (5,000 to 10,000 gallons ±), or drilling "Frac" tanks may be utilized (20,000 gallons ±). In all cases the container/tank used for groundwater storage must be clean before use such that cross contamination does not occur.

C.) Decon Waters/Decon Fluids - Decon waters and/or fluids will be segregated, contained, and disposed accordingly.

- Decon waters may be disposed of with the containerized groundwater once analytical results have been acquired.

D.) PPE/DE – A number of disposal options exists for spent PPE/DE generated from investigation tasks. The options typically employed are:

- Immediately disposed of within on-Site dumpster/municipal trash; or
- If known to be contaminated with RCRA hazardous waste, dispose off-Site at a RCRA Subtitle C facility.
- Spent Solvent/Acid Rinses - The need for sampling must be determined in consultation with the waste management organization handling the materials. If known that only the solvent and/or acids are present, then direct disposal/treatment using media specific options may be possible without sampling (i.e., incineration).
- PPE/DE – Typically not sampled and included with the disposal of the solid wastes.

Equipment/Materials:

- Sample spoons, trier, auger,
- Sample mixing bowl,
- Sampling bailer, or pump,
- Sample glassware.

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APPENDIX A

Field Forms

EQUIPMENT CALIBRATION LOG

Project: _____

Location: _____

Model Name: _____

Model Number: _____ **Serial Number:** _____

Cal. Standards: _____

_____

_____

Instruments will be calibrated in accordance with manufacturer's recommendations at least once per day.

Date	Time	Calibration Satandard Solution	Calibration Result	Calibrated by

Other Comments: _____

_____

_____

_____

_____

_____

_____

_____

Groundwater Field Sampling Form

Location:

Job Number: _____
Well ID: _____
Field Sampling Crew: _____

Date: _____
Start Time: _____
Finished Time: _____

Initial Depth to Water: _____
Well Depth: _____
Depth to top of screen: _____
Depth to bottom of screen: _____
Depth of Pump Intake: _____

Purging Device: _____
Tubing present in well? _____
Tubing type: _____

Time Elapsed (24 hour)	Depth to Water (from casing)	Pump Setting (ml/min or gal/min)	Purge Rate (ml/min or gal/min)	Cumulative Purge Volume (liters or gallons)	Temperature (degrees Celsius)	pH	Conductivity us/cm	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP/eH (mv)	Comments

Comments:

HALEY ALDRICH

SAMPLE IDENTIFICATION KEY

Page of

PROJECT _____ **H&A FILE NO.** _____

LOCATION _____ **PROJECT MGR.** _____

CLIENT _____

CONTRACTOR _____

Sample ID	Parent Sample ID	Location ID	Sample Date	Sample Time (military)	Sample Type Code	Filtered (Water Only T/D/N)	Composite Y/N	Soil Type	Depth To Top Of Sample	Depth To Bottom Of Sample	C.O.C. Number	Notes	Collected By

Notes:

Common Sample Type Codes:

N Normal Environmental Samp	WG Groundwater	WS Surface Water	SO Soil	GS Soil Gas	SE Sediment
WQ Water for Quality Control	FD Field Duplicate	EB Equipment Blank	TB Trip Blank	MS Matris Spike	MSD Matrix Spike Duplicate

see Memorandum dated 08/08/05 from Melanie Satanek "Sample Labeling for Submission to Analytical Laboratory" for less common codes

DAILY FIELD REPORT

Page of

Project		Report No.	
Location		Date	
Client		Page	of
Contractor		File No.	
Weather		Temperature	

Field Representative(s)	Time on site	Report/Travel/Other	Total hours

Distribution:

Haley & Aldrich, Inc.

GEOPROBE BORING REPORT

BORING NO.

Page 1 of

PROJECT
LOCATION
CLIENT
CONTRACTOR
DRILLER

PROJECT MGR.
FIELD REP.
DATE STARTED
DATE FINISHED

Elevation ft. Datum

Boring Location

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth

Drilling Notes:

Depth (ft.)	Casing Blows	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft)	Elev./ Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
Date					

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO.

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification

Form #3000

APPENDIX C
Quality Assurance Project Plan

HALEY ALDRICH

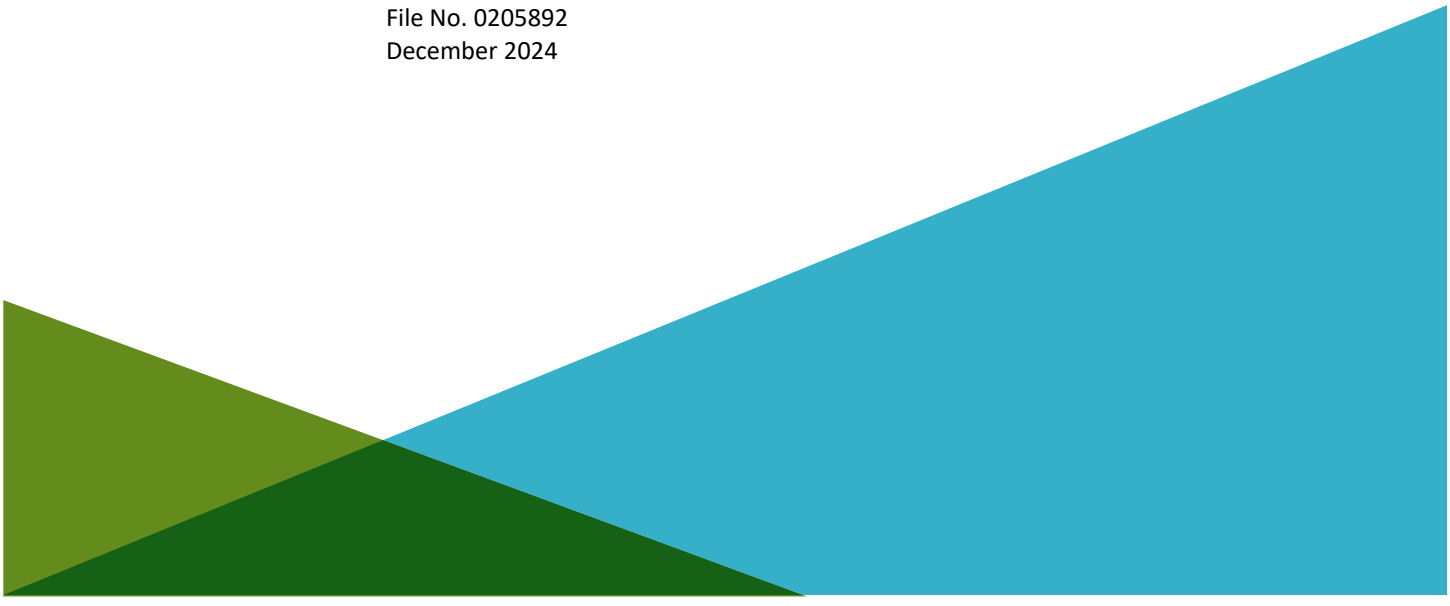
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QUALITY ASSURANCE PROJECT PLAN
374 WALLABOUT STREET REDEVELOPMENT
374 WALLABOUT STREET
BROOKLYN, NEW YORK

by
Haley & Aldrich of New York
New York, New York

for
Joel Fried
374 Wallabout Street
Brooklyn, New York

File No. 0205892
December 2024



Executive Summary

This Quality Assurance Project Plan outlines the scope of the quality assurance and quality control activities associated with the site monitoring activities associated with the Remedial Investigation Work Plan and Interim Remedial Measure Work Plan for 374 Wallabout Street in Brooklyn, New York (Site).

Protocols for sample collection, sample handling and storage, chain-of-custody procedures, and laboratory and field analyses are described herein or specifically referenced to related project documents.

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1. Project Description

This Quality Assurance Project Plan (QAPP) has been prepared as a component of the Remedial Investigation Work Plan (RIWP) and Interim Remedial Measure Work Plan (IRMWP) for 374 Wallabout Street in Brooklyn, New York (Site).

1.1 PROJECT OBJECTIVES

The primary objective for data collection activities is to collect sufficient data necessary to characterize the subsurface conditions at the Site and determine the nature and extent of contamination.

1.2 SITE DESCRIPTION AND HISTORY

The general Site description and Site history is provided in the Site Description and History Summary that accompanies the RIWP appended to the Brownfield Cleanup Program application for the Site and incorporated herein by reference.

1.3 LABORATORY PARAMETERS

The laboratory parameters for soil include:

- Target Compound List volatile organic compounds (VOCs) using EPA method 8260B
- Target Compound List semi-volatile organic compounds (SVOCs) using EPA method 8270C
- TCL Pesticides using EPA method 8081B
- Total Analyte List (TAL) Metals using EPA method 6010
- Mercury using EPA method 7471
- Total Cyanide using EPA method 9010C/9012B
- Hexavalent chromium using EPA method 7196A
- Polychlorinated biphenyls (PCBs) using EPA method 8082
- Per- and polyfluoroalkyl substances (PFAS) using EPA method 1633
- 1,4-Dioxane using EPA method 8270SIM

The laboratory parameters for groundwater include:

- Target Compound List VOCs using EPA method 8260C
- Target Compound List SVOCs using EPA method 8270C
- TCL Pesticides using EPA method 8081B
- TAL Metals using EPA method 6010
- Mercury using EPA method 7470A
- Total Cyanide using EPA method 9010C/9012B
- Hexavalent chromium using EPA method 7196A
- PFAS using EPA method 1633
- 1,4-Dioxane using EPA method 8270SIM

Note: PFAS sampling techniques will be conducted following the NYSDEC Collection of Groundwater Samples for PFAS from Monitoring Wells and Collection of Samples for PFAS from Soils Sample Protocols.

During the collection of groundwater samples, pH, specific conductivity, temperature, dissolved oxygen (DO), and oxidation/reduction potential (ORP) will be measured until stabilized.

The laboratory parameter for soil vapor includes:

- VOCs using EPA method TO-15

Laboratory parameters for disposal samples will be determined by the disposal facility after an approved facility has been determined.

1.4 SAMPLING LOCATIONS

The RIWP/IRMWP provides the locations of soil borings, soil vapor implants and groundwater monitoring wells that will be sampled (as applicable).

2. Project Organization and Responsibilities

This section defines the roles and responsibilities of the individuals who will perform the RIWP/IRMWP monitoring activities. A NYSDOH certified analytical laboratory will perform the analyses of environmental samples collected at the Site.

2.1 MANAGEMENT RESPONSIBILITIES

The Project Manager is responsible for managing the implementation of the RIWP/IRMWP and monitoring and coordinating the collection of data. The Project Manager is responsible for technical quality control (QC) and project oversight. The Project Manager responsibilities include the following:

- Acquire and apply technical and corporate resources as needed to ensure performance within budget and schedule restraints;
- Review work performed to ensure quality, responsiveness, and timeliness;
- Communicate with the client point of contact concerning the progress of the monitoring activities;
- Assure corrective actions are taken for deficiencies cited during audits of RIWP/IRMWP monitoring activities; and,
- Assure compliance with Site health and safety plan.

2.2 QUALITY ASSURANCE RESPONSIBILITIES

The Quality Assurance (QA) team will consist of a QA Officer and the Data Validation Staff. QA responsibilities are described as follows:

2.2.1 Quality Assurance Officer

The QA Officer reports directly to the Project Manager and will be responsible for overseeing the review of field and laboratory data. Additional responsibilities include the following:

- Assure the application and effectiveness of the QAPP by the analytical laboratory and the project staff;
- Provide input to the Project Manager as to corrective actions that may be required as a result of the above-mentioned evaluations; and,
- Prepare and/or review data validation and audit reports.

The QA Officer will be assisted by the Data Validation staff in the evaluation and validation of field and laboratory generated data.

2.2.2 Data Validation Staff

The Data Validation Staff will be independent of the laboratory and familiar with the analytical procedures performed. The validation will include a review of each validation criterion as prescribed by the guidelines presented in Section 9.2 of this document and be presented in a Data Usability Summary Report (DUSR) for submittal to the QA Officer.

2.3 LABORATORY RESPONSIBILITIES

Laboratory services in support of the RIWP/IRMWP monitoring include the following personnel:

2.3.1 Laboratory Project Manager

The Laboratory Project Manager will report directly to the QA Officer and Project Manager and will be responsible for ensuring all resources of the laboratory are available on an as-required basis. The Laboratory Project Manager will also be responsible for the approval of the final analytical reports.

2.3.2 Laboratory Operations Manager

The Laboratory Operations Manager will report to the Laboratory Project Manager and will be responsible for coordinating laboratory analysis, supervising in-house chain-of-custody reports, scheduling sample analyses, overseeing data review and overseeing preparation of analytical reports.

2.3.3 Laboratory QA Officer

The Laboratory QA Officer will have sole responsibility for review and validation of the analytical laboratory data. The Laboratory QA Officer will provide Case Narrative descriptions of any data quality issues encountered during the analyses conducted by the laboratory. The QA Officer will also define appropriate QA procedures, overseeing QA/QC documentation.

2.3.4 Laboratory Sample Custodian

The Laboratory Sample Custodian will report to the Laboratory Operations Manager and will be responsible for the following:

- Receive and inspect the incoming sample containers;
- Record the condition of the incoming sample containers;
- Sign appropriate documents;
- Verify chain-of-custody and its correctness;
- Notify the Project Manager and Operations Manager of sample receipt and inspection;
- Assign a unique identification number and enter each into the sample receiving log;
- Initiate transfer of samples to laboratory analytical sections; and,
- Control and monitor access/storage of samples and extracts.

2.3.5 Laboratory Technical Personnel

The Laboratory Technical Personnel will have the primary responsibility in the performance of sample analysis and the execution of the QA procedures developed to determine the data quality. These activities will include the proper preparation and analysis of the project samples in accordance with the laboratory's Quality Assurance Manual (QAM) and associated Standard Operating Procedures (SOP).

2.4 FIELD RESPONSIBILITIES

2.4.1 Field Coordinator

The Field Coordinator is responsible for the overall operation of the field team and reports directly to the Project Manager. The Field Coordinator works with the project Health & Safety Officer (HSO) to conduct operations in compliance with the project Health & Safety Plan (HASP). The Field Coordinator will facilitate communication and coordinate efforts between the Project Manager and the field team members.

Other responsibilities include the following:

- Develop and implement field-related work plans, ensuring schedule compliance, and adhering to management-developed project requirements;
- Coordinate and manage field staff;
- Perform field system audits;
- Oversee QC for technical data provided by the field staff;
- Prepare and approve text and graphics required for field team efforts;
- Coordinate and oversee technical efforts of subcontractors assisting the field team;
- Identify problems in the field; resolve difficulties in consultation with the Project QAO, and Project Manager; implement and document corrective action procedures; and,
- Participate in preparation of the final reports.

2.4.2 Field Team Personnel

Field Team Personnel will be responsible for the following:

- Perform field activities as detailed in the RIWP/IRMWP and in compliance with the Field Sampling Plan (FSP) and QAPP.
- Immediately report any accidents and/or unsafe conditions to the Site HSO and take reasonable precautions to prevent injury.

3. Sampling Procedures

The FSP provides the SOPs for sampling required by the RIWP. Sampling will be conducted in general accordance with the NYSDEC Technical Guidance for Site Investigation and Remediation (DER-10) and the NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs dated April 2023, as applicable.

3.1 SAMPLE CONTAINERS

Sample containers for each sampling task will be provided by the laboratory performing the analysis. The containers will be cleaned by the manufacturer to meet or exceed the analyte specifications established in the USEPA, "Specifications and Guidance for Obtaining Contaminant-Free Sample Containers", April 1992, OSWER Directive #9240.0-0.5A. Certificates of analysis for each lot of sample containers used will be maintained by the laboratory.

The appropriate sample containers, preservation method, maximum holding times, and handling requirements for each sampling task are provided in Table I.

3.2 SAMPLE LABELING

Each sample will be labeled with a unique sample identifier that will facilitate tracking and cross-referencing of sample information. Equipment rinse blanks and field duplicate samples also will be numbered with a unique sample identifier to prevent analytical bias of field QC samples.

Refer to the FSP for the sample labeling procedures.

3.3 FIELD QC SAMPLE COLLECTION

3.3.1 Field Duplicate Sample Collection

3.3.1.1 Water Samples

Field duplicate samples will be collected by filling the first sample container to the proper level and sealing and then repeated for the second set of sample containers.

1. The samples are properly labeled as specified in Section 3.2.
2. Steps 1 through 4 are repeated for the bottles for each analysis. The samples are collected in order of decreasing analyte volatility as detailed in Section 3.3.1.
3. Chain-of-custody documents are executed.
4. The samples will be handled as specified in Table I.

3.3.1.2 Soil Samples

Soil field duplicates will be collected as specified in the following procedure:

1. Soils will be sampling directly from acetate liners.
2. Soil for VOC analysis will be removed from the sampling device as specified in the FSP.
3. Soil for non-VOC analysis will be removed from the sampling device and collected into clean laboratory provided containers.

4. Custody Procedures

Sample custody is addressed in three parts: field sample collection, laboratory analysis and final project files. Custody of a sample begins when it is collected by or transferred to an individual and ends when that individual relinquishes or disposes of the sample.

A sample is under custody if:

1. The item is in actual possession of a person;
2. The item is in the view of the person after being in actual possession of the person;
3. The item was in actual possession and subsequently stored to prevent tampering; or
4. The item is in a designated and identified secure area.

4.1 FIELD CUSTODY PROCEDURES

Field personnel will keep written records of field activities on applicable preprinted field forms or in a bound field notebook to record data collecting activities. These records will be written legibly in ink and will contain pertinent field data and observations. Entry errors or changes will be crossed out with a single line, dated, and initialed by the person making the correction. Field forms and notebooks will be periodically reviewed by the Field Coordinator.

The beginning of each entry in the logbook or preprinted field form will contain the following information:

- Date;
- Start time;
- Weather;
- Names of field personnel (including subcontractors);
- Level of personal protection used at the Site; and,
- Names of all visitors and the purpose of their visit.

For each measurement and sample collected, the following information will be recorded:

- Detailed description of sample location;
- Equipment used to collect sample or make measurement and the date equipment was calibrated;
- Time sample was collected;
- Description of the sample conditions;
- Depth sample was collected (if applicable);
- Volume and number of containers filled with the sample; and,
- Sampler's identification.

4.1.1 Field Procedures

The following procedure describes the process to maintain the integrity of the samples:

- Upon collection samples are placed in the proper containers. In general, samples collected for organic analysis will be placed in pre-cleaned glass containers and samples collected for inorganic analysis will be placed in pre-cleaned plastic (polyethylene) bottles. Refer to the FSP for sample packaging procedures.

- Samples will be assigned a unique sample number and will be affixed to a sample label. Refer to the FSP for sample labeling procedures.

- Samples will be properly and appropriately preserved by field personnel in order to minimize loss of the constituent(s) of interest due to physical, chemical or biological mechanisms.

- Appropriate volumes will be collected to ensure that the appropriate reporting limits can be successfully achieved and that the required QC sample analyses can be performed. Minimum reporting limits for each analytical method are presented in Table II.

4.1.2 Transfer of Custody and Shipment Procedures

- A chain-of-custody (COC) record will be completed at the time of sample collection and will accompany each shipment of project samples to the laboratory. The field personnel collecting the samples will be responsible for the custody of the samples until the samples are relinquished to the laboratory. Sample transfer will require the individuals relinquishing and receiving the samples to sign, date and note the time of sample transfer on the COC record.

- Samples will be shipped or delivered in a timely fashion to the laboratory so that holding times and/or analysis times as prescribed by the methodology can be met.

- Samples will be transported in containers (coolers) which will maintain the refrigeration temperature for those parameters for which refrigeration is required in the prescribed preservation protocols.

- Samples will be placed in an upright position and limited to one layer of samples per cooler. Additional bubble wrap or packaging material will be added to fill the cooler. Shipping containers will be secured with strapping tape and custody tape for shipment to the laboratory.

- When samples are split with the NYSDEC representatives, a separate chain-of-custody will be prepared and marked to indicate with whom the samples are shared. The person relinquishing the samples will require the representative's signature acknowledging sample receipt.

- If samples are sent by a commercial carrier, a bill of lading will be used. A copy of the bill of lading will be retained as part of the permanent record. Commercial carriers will not sign the custody record as long as the custody record is sealed inside the sample cooler and the custody tape remains intact.

- Samples will be picked up by a laboratory courier or transported to the laboratory the same day they are collected unless collected on a weekend or holiday. In these cases, the samples will be stored in a secure location until delivery to the laboratory. Additional ice will be added to the cooler as needed to maintain proper preservation temperatures.

4.2 LABORATORY CHAIN-OF-CUSTODY PROCEDURES

A sample custodian will be designated by the laboratory and will have the responsibility to receive all incoming samples. Once received, the custodian will document if the sample is received in good condition (i.e., unbroken, cooled, etc.) and that the associated paperwork, such as chain-of-custody forms have been completed. The custodian will sign the chain-of-custody forms.

The custodian will also document if sufficient sample volume has been received to complete the analytical program. The sample custodian will then place the samples into secure, limited access storage (refrigerated storage, if required). The sample custodian will assign a unique number to each incoming sample for use in the laboratory. The unique number will then be entered into the sample-receiving log with the verified time and date of receipt also noted.

Consistent with the analyses requested on the chain-of-custody form, analyses by the laboratory's analysts will begin in accordance with the appropriate methodologies. Samples will be removed from secure storage with internal chain-of-custody sign-out procedures followed.

4.3 STORAGE OF SAMPLES

Empty sample bottles will be returned to secure and limited access storage after the available volume has been consumed by the analysis. Upon completion of the entire analytical work effort, samples will be disposed of by the sample custodian. The length of time that samples are held will be at least thirty (30) days after reports have been submitted. Disposal of remaining samples will be completed in compliance with all Federal, State and local requirements.

4.4 FINAL PROJECT FILES CUSTODY PROCEDURES

The final project files will be the central repository for all documents with information relevant to sampling and analysis activities as described in this QAPP. The Haley & Aldrich Project Manager will be the custodian of the project file. The project files including all relevant records, reports, logs, field notebooks, pictures, subcontractor reports and data reviews will be maintained in a secured, limited access area and under custody of the Project Director or his designee.

The final project file will include the following:

- Project plans and drawings;
- Field data records;
- Sample identification documents and soil boring/monitoring well logs;
- All chain-of-custody documentation;
- Correspondence;
- References, literature;
- Laboratory data deliverables;
- Data validation and assessment reports;

- Progress reports, QA reports; and,
- A final report.

The laboratory will be responsible for maintaining analytical logbooks, laboratory data and sample chain of custody documents. Raw laboratory data files and copies of hard copy reports will be inventoried and maintained by the laboratory for a period of six years at which time the laboratory will contact the Haley & Aldrich Project Manager regarding the disposition of the project related files.

5. Calibration Procedures and Frequency

5.1 FIELD INSTRUMENT CALIBRATION PROCEDURES

Several field instruments will be used for both on-site screening of samples and for health and safety monitoring, as described in the HASP. On-site air monitoring for health and safety purposes may be accomplished using a vapor detection device, such as a Photo-ionization Detector (PID).

Field instruments will be calibrated at the beginning of each day and checked during field activities to verify performance. Instrument specific calibration procedures will be performed in accordance with the instrument manufacturer's requirements.

5.2 LABORATORY INSTRUMENT CALIBRATION PROCEDURES

Reference materials of known purity and quality will be utilized for the analysis of environmental samples. The laboratory will carefully monitor the preparation and use of reference materials including solutions, standards, and reagents through well-documented procedures.

All solid chemicals and acids/bases used by the laboratory will be rated as "reagent grade" or better. All gases will be "high" purity or better. All Standard Reference Materials (SRMs) or Performance Evaluation (PE) materials will be obtained from approved vendors of the National Institute of Standards and Technology (formerly National Bureau of Standards), the U.S. EPA Environmental Monitoring Support Laboratories (EMSL), or reliable Cooperative Research and Development Agreement (CRADA) certified commercial sources.

6. Analytical Procedures

Analytical procedures to be utilized for analysis of environmental samples will be based on referenced USEPA analytical protocols and/or project specific SOP.

6.1 FIELD ANALYTICAL PROCEDURES

Field analytical procedures include the measurement of pH, temperature, ORP, DO and specific conductivity during sampling of groundwater, and the qualitative measurement of VOC during the collection of soil samples.

6.2 LABORATORY ANALYTICAL PROCEDURES

Laboratory analyses will be based on the USEPA methodology requirements promulgated in:

- "Test Methods for Evaluating Solid Waste," SW-846 EPA, Office of Solid Waste, and promulgated updates, 1986.

6.2.1 List of Project Target Compounds and Laboratory Detection Limits

The method detection limits (MDLs) studies are performed by the laboratories in accordance with the procedures established in the Code of Federal Register, Title 40, Part 136.

Laboratory parameters for soil samples are listed in the RIWP. Laboratory parameters for disposal samples will be determined by the disposal facility after an approved facility has been determined.

6.2.2 List of Method Specific Quality Control Criteria

The laboratory SOPs include a section that presents the minimum QC requirements for the project analyses. Section 7.0 references the frequency of the associated QC samples for each sampling effort and matrix.

7. Internal Quality Control Checks

This section presents the internal QC checks that will be employed for field and laboratory measurements.

7.1 FIELD QUALITY CONTROL

7.1.1 Field Blanks

Internal QC checks will include analysis of field blanks to validate equipment cleanliness. Whenever possible, dedicated equipment will be employed to reduce the possibility of cross-contamination of samples.

7.1.2 Trip Blanks

Trip blanks samples will be prepared by the project laboratory using ASTM Type II or equivalent water placed within pre-cleaned 40 milliliter (ml) VOC vials equipped with Teflon septa. Trip blanks will accompany each sample delivery group (SDG) of environmental samples collected for analysis of VOCs.

Trip blank samples will be placed in each cooler that stores and transports project samples that are to be analyzed for VOCs.

7.2 LABORATORY PROCEDURES

Procedures which contribute to maintenance of overall laboratory quality assurance and control include appropriately cleaned sample containers, proper sample identification and logging, applicable sample preservation, storage, and analysis within prescribed holding times, and use of controlled materials.

7.2.1 Field Duplicate Samples

The precision or reproducibility of the data generated will be monitored through the use of field duplicate samples. Field duplicate analysis will be performed at a frequency of 1 in 20 project samples.

Precision will be measured in terms of the absolute value of the relative percent difference (RPD) as expressed by the following equation:

$$RPD = [|R1-R2|/[(R1+R2)/2]] \; X \; 100\%$$

Acceptance criteria for duplicate analyses performed on solid matrices will be 100% and aqueous matrices will be 35% (or the absolute difference rule was satisfied if detects were less than 5 times the RL) . RPD values outside these limits will require an evaluation of the sampling and/or analysis procedures by the project QA Officer and/or laboratory QA Director. Corrective actions may include re-analysis of additional sample aliquots and/or qualification of the data for use.

7.2.2 Matrix Spike Samples

Ten percent of each project sample matrix for each analytical method performed will be spiked with known concentrations of the specific target compounds/analytes.

The amount of the compound recovered from the sample compared to the amount added will be expressed as a percent recovery. The percent recovery of an analyte is an indication of the accuracy of an analysis within the site-specific sample matrix. Percent recovery will be calculated for matrix spike and matrix spike duplicate (MS/MSD) samples using the following equation.

$$\%\ Recovery = \frac{Spiked\ Sample - Background}{Known\ Value\ of\ Spike} x100\%$$

If the QC value falls outside the control limits (UCL or LCL) due to sample matrix effects, the results will be reported with appropriate data qualifiers. To determine the effect a non-compliant MS recovery has on the reported results, the recovery data will be evaluated as part of the validation process.

7.2.3 Laboratory Control Sample Analyses

The laboratory will perform Laboratory Control Sample (LCS) analyses prepared from SRMs. The SRMs will be supplied from an independent manufacturer and traceable to NIST materials with known concentrations of each target analyte to be determined by the analytical methods performed. In cases where an independently supplied SRM is not available, the LCS may be prepared by the laboratory from a reagent lot other than that used for instrument calibration.

The laboratory will evaluate LCS analyses in terms of percent recovery using the most recent laboratory generated control limits.

LCS recoveries that do not meet acceptance criteria will be deemed invalid. Analysis of project samples will cease until an acceptable LCS analysis has been performed. If sample analysis is performed in association with an out-of-control LCS sample analysis, the data will be deemed invalid.

Corrective actions will be initiated by the Haley & Aldrich QA Officer and/or Laboratory QA Officer to investigate the problem. After the problem has been identified and corrected, the solution will be noted in the instrument run logbook and re-analysis of project samples will be performed, if possible.

The analytical anomaly will be noted in the sample delivery group (SDG) Case Narrative and reviewed by the data validator. The data validator will confirm that appropriate corrective actions were implemented and recommend the applicable use of the affected data.

7.2.4 Surrogate Compound/Internal Standard Recoveries

For VOCs, surrogates will be added to each sample prior to analysis to establish purge and trap efficiency. Quantitation will be accomplished via internal standardization techniques.

The recovery of surrogate compounds and internal standards will be monitored by laboratory personnel to assess possible site-specific matrix effects on instrument performance.

For SVOC analyses, surrogates will be added to the raw sample to assess extraction efficiency. Internal standards will be added to all sample extracts and instrument calibration standard immediately before analysis for quantitation via internal standardization techniques.

Method specific QC limits are provided in the attached laboratory method SOPs. Surrogate compound/internal standard recoveries that do not fall within accepted QC limits for the analytical methodology performed will have the analytical results flagged with data qualifiers as appropriate by the laboratory and will not be noted in the laboratory report Case Narrative.

To ascertain the effect non-compliant surrogate compound/internal standard recoveries may have on the reported results, the recovery data will be evaluated as part of the validation process. The data validator will provide recommendations for corrective actions including but not limited to additional data qualification.

7.2.5 Calibration Verification Standards

Calibration verification (CV) standards will be utilized to confirm instrument calibrations and performance throughout the analytical process. CV standards will be prepared as prescribed by the respective analytical protocols. Continuing calibration will be verified by compliance with method-specific criteria prior to additional analysis of project samples.

Non-compliant analysis of CV standards will require immediate corrective action by the project laboratory QA officer and/or designated personnel. Corrective action may include re-analysis of each affected project sample, a detailed description of the problem, the corrective action undertaken, the person who performed the action, and the resolution of the problem.

7.2.6 Laboratory Method Blank Analyses

Method blank sample analysis will be performed as part of each analytical batch for each methodology performed. If target compounds are detected in the method blank samples, the reported results will be flagged by the laboratory in accordance with standard operating procedures. The data validator will provide recommendations for corrective actions including but not limited to additional data qualification.

8. Data Quality Objectives

Sampling that will be performed as described in the RIWP/IRMWP is designed to produce data of the quality necessary to achieve the minimum standard requirements of the field and laboratory analytical objectives described below. These data are being obtained with the primary objective to assess levels of contaminants of concern associated with the Site.

The overall project data quality objective (DQO) is to implement procedures for field data collection, sample collection, handling, and laboratory analysis and reporting that achieve the project objectives. The following section is a general discussion of the criteria that will be used to measure achievement of the project DQO.

8.1 PRECISION

8.1.1 Definition

Precision is defined as a quantitative measure of the degree to which two or more measurements are in agreement. Precision will be determined by collecting and analyzing field duplicate samples and by creating and analyzing laboratory duplicates from one or more of the field samples. The overall precision of measurement data is a mixture of sampling and analytical factors. The analytical results from the field duplicate samples will provide data on sampling precision. The results from duplicate samples created by the laboratory will provide data on analytical precision. The measurement of precision will be stated in terms of RPD. RPD is defined as the absolute difference of duplicate measurements divided by the mean of these analyses normalized to percentage.

8.1.2 Field Precision Sample Objectives

Field precision will be assessed through collection and measurement of field duplicate samples at a rate of 1 duplicate per 20 investigative samples. The RPD criteria for the project field duplicate samples will be +/- 100% for soil, +/- 35 % for groundwater for parameters of analysis detected at concentrations greater than 5 times (5X) the laboratory RL.

8.1.3 Laboratory Precision Sample Objectives

Laboratory precision will be assessed through the analysis of LCS and laboratory control duplicate samples (LCS/LCSD) and MS/MSD samples for groundwater and soil samples and the analysis of laboratory duplicate samples for air and soil vapor samples. Air and soil vapor laboratory duplicate sample analyses will be performed by analyzing the same SUMMA canister twice. The RPD criteria for the air/soil vapor laboratory duplicate samples will be +/- 35 % for parameters of analysis detected at concentrations greater than 5 times (5X) the laboratory RL.

8.2 ACCURACY

8.2.1 Definition

Accuracy relates to the bias in a measurement system. Bias is the difference between the observed and the "true" value. Sources of error are the sampling process, field contamination, preservation techniques, sample handling, sample matrix, sample preparation and analytical procedure limitations.

8.2.2 Field Accuracy Objectives

Sampling bias will be assessed by evaluating the results of field equipment rinse and trip blanks. Equipment rinse and trip blanks will be collected as appropriate based on sampling and analytical methods for each sampling effort.

If non-dedicated sampling equipment is used, equipment rinse blanks will be collected by passing ASTM Type II water over and/or through the respective sampling equipment utilized during each sampling effort. One equipment rinse blank will be collected for each type of non-dedicated sampling equipment used for the sampling effort. Equipment rinse blanks will be analyzed for each target parameter for the respective sampling effort for which environmental media have been collected. (Note: If dedicated or disposable sampling equipment is used, equipment rinse samples will not be collected as part of that field effort.)

Trip blank samples will be prepared by the laboratory and provided with each shipping container that includes containers for the collection of groundwater samples for the analysis of VOC. Trip blank samples will be analyzed for each VOC for which groundwater samples have been collected for analysis.

8.3 LABORATORY ACCURACY OBJECTIVES

Analytical bias will be assessed through the use of laboratory control samples (LCS) and Site-specific matrix spike (MS) sample analyses. LCS analyses will be performed with each analytical batch of project samples to determine the accuracy of the analytical system.

One set of MS/MSD analyses will be performed with each batch of 20 project samples collected for analysis to assess the accuracy of the identification and quantification of analytes within the Site-specific sample matrices. Additional sample volume will be collected at sample locations selected for the preparation of MS/MSD samples so that the standard laboratory RLs are achieved.

The accuracy of analyses that include a sample extraction procedure will be evaluated through the use of system monitoring or surrogate compounds. Surrogate compounds will be added to each sample, standard, blank, and QC sample prior to sample preparation and analysis. Surrogate compound percent recoveries will provide information on the effect of the sample matrix on the accuracy of the analyses.

8.4 REPRESENTATIVENESS

8.4.1 Definition

Representativeness expresses the degree to which sample data represent a characteristic of a population, a parameter variation at a sampling point or an environmental condition. Representativeness is a qualitative parameter that is dependent upon the design of the sampling program. The representativeness criterion is satisfied through the proper selection of sampling locations, the quantity of samples and the use of appropriate procedures to collect and analyze the samples.

8.4.2 Measures to Ensure Representativeness of Field Data

Representativeness will be addressed by prescribing sampling techniques and the rationale used to select sampling locations. Sampling locations may be biased (based on existing data, instrument surveys, observations, etc.) or unbiased (completely random or stratified-random approaches).

8.5 COMPLETENESS

8.5.1 Definition

Completeness is a measure of the amount of valid (usable) data obtained from a measuring system compared to the total amount of the anticipated to be obtained. The completeness goal for all data uses is that a sufficient amount of valid data be generated so that determinations can be made related to the intended data use with a sufficient degree of confidence. Valid data is determined by independent confirmation of compliance with method-specific and project-specific data quality objectives. The calculation of data set completeness will be performed by the following equation.

$$\frac{Number\ of\ Valid\ Sample\ Results}{Total\ Number\ of\ Samples\ Planned} X\ 100 = \%\ Complete$$

8.5.2 Field Completeness Objectives

Completeness is a measure of the amount of valid measurements obtained from measurements taken in this project versus the number planned. Field completeness objective for this project will be greater than (>) 90%.

8.5.3 Laboratory Completeness Objectives

Laboratory data completeness objective is a measure of the amount of valid data obtained from laboratory measurements. The evaluation of the data completeness will be performed at the conclusion of each sampling and analysis effort.

The completeness of the data generated will be determined by comparing the amount of valid data, based on independent validation, with the total laboratory data set. The completeness goal will be >90%.

8.6 COMPARABILITY

8.6.1 Definition

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared to another.

8.6.2 Measures to Ensure Comparability of Laboratory Data

Comparability of laboratory data will be measured from the analysis of SRM obtained from either EPA Cooperative Research and Development Agreement (CRADA) suppliers or the National Institute of Standards and Technology (NIST). The reported analytical data will also be presented in standard units of mass of contaminant within a known volume of environmental media. The standard units for various sample matrices are as follows:

- Solid Matrices – ug/kg for PFAS analyses. mg/kg of media (Dry Weight).
- Aqueous Matrices – ng/L for PFAS analyses, ug/L of media for organic analyses, and mg/L for inorganic analyses.

8.7 LEVEL OF QUALITY CONTROL EFFORT

If non-dedicated sampling equipment is used, equipment rinse blanks will be prepared by field personnel and submitted for analysis of target parameters. Equipment rinse blank samples will be analyzed to check for potential cross-contamination between sampling locations that may be introduced during the investigation. One equipment rinse blank will be collected per sampling event to the extent that non-dedicated sampling equipment is used.

A separate equipment rinse blank sample will be collected for PFAS using the sample collection procedure described in Section 8.1.1 of the NYSDEC-approved Avangrid Field Sampling Plan. (Note: If dedicated or disposable sampling equipment is used, equipment rinse samples will not be collected as part of that field effort.)

Trip blanks will be used to assess the potential for contamination during sample storage and shipment. Trip blanks will be provided with the sample containers to be used for the collection of groundwater samples for the analysis of VOC. Trip blanks will be preserved and handled in the same manner as the project samples. One trip blank will be included along with each shipping container containing project samples to be analyzed for VOC.

Method blank samples will be prepared by the laboratory and analyzed concurrently with all project samples to assess potential contamination introduced during the analytical process.

Field duplicate samples will be collected and analyzed to determine sampling and analytical reproducibility. One field duplicate will be collected for every 20 or fewer investigative samples collected for off-Site laboratory analysis.

Matrix spikes will provide information to assess the precision and accuracy of the analysis of the target parameters within the environmental media collected. One MS/MSD will be collected for every 20 or fewer investigative samples per sample matrix.

(Note: Soil MS/MSD samples require triple sample volume for VOC only. Aqueous MS/MSD samples require triple the normal sample volume for VOC analysis and double the volume for the remaining parameters.)

9. Data Reduction, Validation and Reporting

Data generated by the laboratory operation will be reduced and validated prior to reporting in accordance with the following procedures:

9.1 DATA REDUCTION

9.1.1 Field Data Reduction Procedures

Field data reduction procedures will be minimal in scope compared to those implemented in the laboratory setting. The pH, conductivity, temperature, turbidity, DO, ORP and breathing zone VOC readings collected in the field will be generated from direct read instruments. The data will be written into field logbooks immediately after measurements are taken. If errors are made, data will be legibly crossed out, initialed and dated by the field member, and corrected in a space adjacent to the original entry.

9.1.2 Laboratory Data Reduction Procedures

Laboratory data reduction procedures are provided by the appropriate chapter of USEPA, “Test Methods for Evaluating Solid Waste”, SW-846, Third Edition. Errors will be noted; corrections made with the original notations crossed out legibly. Analytical results for soil samples will be calculated and reported on a dry weight basis.

9.1.3 Quality Control Data

QC data (e.g., laboratory duplicates, surrogates, matrix spikes, and matrix spike duplicates) will be compared to the method acceptance criteria. Data determined to be acceptable will be entered into the laboratory information management system.

Unacceptable data will be appropriately qualified in the project report. Case narratives will be prepared which will include information concerning data that fell outside acceptance limits and any other anomalous conditions encountered during sample analysis.

9.2 DATA VALIDATION

Data validation procedures of the analytical data will be performed by the Haley & Aldrich QA Officer or designee using the following documents as guidance for the review process:

- "U.S. EPA National Functional Guidelines for Organic Data Review”, "Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15", "Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances Under NYSDEC’s Part 375 Remedial Programs", and the "U.S. EPA National Functional Guidelines for Inorganic Data Review".

- The specific data qualifiers used will be applied to the reported results as presented and defined in the EPA National Functional Guidelines. Validation will be performed by qualified personnel

at the direction of the Haley & Aldrich QAO. Tier 1 data validation (the equivalent of USEPA's Stage 2A validation) will be performed to evaluate data quality.

- The completeness of each data package will be evaluated by the Data Validator. Completeness checks will be administered on all data to determine that the deliverables are consistent with the NYSDEC ASP Category A and Category B data package requirements. The validator will determine whether the required items are present and request copies of missing deliverables (if necessary) from the laboratory.

9.3 DATA REPORTING

Data reporting procedures will be carried out for field and laboratory operations as indicated below:

- Field Data Reporting: Field data reporting will be conducted principally through the transmission of report sheets containing tabulated results of measurements made in the field and documentation of field calibration activities.

- Laboratory Data Reporting: The laboratory data reporting package will enable data validation based on the protocols described above. The final laboratory data report format will include the QA/QC sample analysis deliverables to enable the development of a data usability summary report (DUSR) based on Department DER-10 Appendix 2B.

10. Performance and System Audits

A performance audit is an independent quantitative comparison with data routinely obtained in the field or the laboratory. Performance audits include two separate, independent parts: internal and external audits.

10.1 FIELD PERFORMANCE AND SYSTEM AUDITS

10.1.1 Internal Field Audit Responsibilities

Internal audits of field activities will be initiated at the discretion of the Project Manager and will include the review of sampling and field measurements. The audits will verify that all procedures are being followed. Internal field audits will be conducted periodically during the project. The audits will include examination of the following:

- Field sampling records, screening results, instrument operating records;
- Sample collection;
- Handling and packaging in compliance with procedures;
- Maintenance of QA procedures; and,
- Chain-of-custody reports.

10.1.2 External Field Audit Responsibilities

External audits may be conducted by the Project Coordinator at any time during the field operations. These audits may or may not be announced and are at the discretion of the NYSDEC. The external field audits can include (but are not limited to) the following:

- Sampling equipment decontamination procedures;
- Sample bottle preparation procedures;
- Sampling procedures;
- Examination of health and safety plans;
- Procedures for verification of field duplicates; and,
- Field screening practices.

10.2 LABORATORY PERFORMANCE AND SYSTEM AUDITS

10.2.1 Internal Laboratory Audit Responsibilities

The laboratory system audits are typically conducted by the laboratory QA Officer or designee on an annual basis. The system audit will include an examination of laboratory documentation including sample receiving logs, sample storage, chain-of-custody procedures, sample preparation and analysis and instrument operating records.

At the conclusion of internal system audits, reports will be provided to the laboratory's operating divisions for appropriate comment and remedial/corrective action where necessary. Records of audits and corrective actions will be maintained by the Laboratory QA Officer.

10.2.2 External Laboratory Audit Responsibilities

External audits will be conducted as required, by the NYSDOH or designee. External audits may include any of the following:

- Review of laboratory analytical procedures;
- Laboratory on-site visits; and,
- Submission of performance evaluation samples for analysis.

Failure of any of the above audit procedures can lead to laboratory de-certification. An audit may consist of but not limited to:

- Sample receipt procedures;
- Custody, sample security and log-in procedures;
- Review of instrument calibration logs;
- Review of QA procedures;
- Review of log books;
- Review of analytical SOPs; and,
- Personnel interviews.

A review of a data package from samples recently analyzed by the laboratory can include (but not be limited to) the following:

- Comparison of resulting data to the SOP or method;
- Verification of initial and continuing calibrations within control limits;
- Verification of surrogate recoveries and instrument timing results;
- Review of extended quantitation reports for comparisons of library spectra to instrument spectra, where applicable; and,
- Assurance that samples are run within holding times.

11. Preventive Maintenance

11.1 FIELD INSTRUMENT PREVENTIVE MAINTENANCE

The field equipment preventive maintenance program is designed to ensure the effective completion of the sampling effort and to minimize equipment down time. Program implementation is concentrated in three areas:

- Maintenance responsibilities;
- Maintenance schedules; and,
- Inventory of critical spare parts and equipment.

The maintenance responsibilities for field equipment will be assigned to the task leaders in charge of specific field operations. Field personnel will be responsible for daily field checks and calibrations and for reporting any problems with the equipment. The maintenance schedule will follow the manufacturer's recommendations. In addition, the field personnel will be responsible for determining that an inventory of spare parts will be maintained with the field equipment. The inventory will primarily contain parts that are subject to frequent failure, have limited useful lifetimes and/or cannot be obtained in a timely manner.

11.2 LABORATORY INSTRUMENT PREVENTIVE MAINTENANCE

Analytical instruments at the laboratory will undergo routine and/or preventive maintenance. The extent of the preventive maintenance will be a function of the complexity of the equipment.

Generally, annual preventive maintenance service will involve cleaning, adjusting, inspecting and testing procedures designed to deduce instrument failure and/or extend useful instrument life. Between visits, routine operator maintenance and cleaning will be performed according to manufacturer's specifications by laboratory personnel.

12. Specific Routine Procedures Used to Assess Data Precision, Accuracy, and Completeness

12.1 FIELD MEASUREMENTS

Field generated information will be reviewed by the Field Coordinator and typically include evaluation of bound logbooks/forms, data entry and calculation checks. Field data will be assessed by the Project Coordinator who will review the field results for compliance with the established QC criteria that are specified in Section 7.0 of this QAPP. The accuracy of pH and specific conductance will be assessed using daily instrument calibration, calibration check, and blank data. Accuracy will be measured by determining the percent recovery (% R) of calibration check standards. Precision of the pH and specific conductance measurements will be assessed on the basis of the reproducibility of duplicate readings of a field sample and will be measured by determining the RPD. Accuracy and precision of the soil VOC screening will be determined using duplicate readings of calibration checks. Field data completeness will be calculated using the following equation:

$$\text{Completeness} = \frac{\text{Valid (usable) Data Obtained}}{\text{Total Data Planned}} \text{ X } 100$$

12.2 LABORATORY DATA

Laboratory data will be assessed by the Haley & Aldrich QA Officer or designee who will review the laboratory results for compliance with the established QC criteria that are specified in Sections 7.0 and 8.0 of this QAPP.

13. Quality Assurance Reports

Critically important to the successful implementation of the QA Plan is a reporting system that provides the means by which the program can be reviewed, problems identified, and programmatic changes made to improve the plan.

QA reports to management can include:

- Audit reports, internal and external audits with responses;
- Performance evaluation sample results; internal and external sources; and,
- Daily QA/QC exception reports/corrective actions.

QA/QC corrective action reports will be prepared by the Haley & Aldrich QA Officer when appropriate and presented to the project and/or laboratory management personnel so that performance criteria can be monitored for all analyses from each analytical department. The updated trend/QA charts prepared by the laboratory QA personnel will be distributed and reviewed by various levels of the laboratory management.

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TABLES

TABLE I
SUMMARY OF ANALYSIS METHOD, PRESERVATION METHOD, HOLDING TIME, SAMPLE SIZE REQUIREMENTS AND SAMPLE CONTAINERS
374 Wallabout Street
Brooklyn, NY

Analysis/Method[3]	Sample Type	Preservation	Holding Time	Volume/Weight	Container[4]
Volatile Organic Compounds/8260C	Soil	1 - 1 Vial MeOH/2 Vial Water, Cool, 4 ± 2 °C	14 days[1]	120 mL	3 - 40ml glass vials
Semivolatile Organic Compounds/8270D	Soil	Cool, 4 ± 2 °C	14 days extraction / 40 days analysis	250 mL	1 - 8 oz Glass
TCL Pesticides/8081B	Soil	Cool, 4 ± 2 °C	14 days extraction / 40 days analysis	120 mL	1 - 4 oz Glass
Polychlorinated Biphenyls/8082A	Soil	Cool, 4 ± 2 °C	14 days extraction / 40 days analysis	250 mL	1 - 4 oz Glass
Metals/6010D	Soil	Cool, 4 ± 2 °C	180 days	60 mL	1 - 4 oz Glass
Mercury/7471	Soil	Cool, 4 ± 2 °C	28 days	120 ml	1 - 4 oz Glass
Total Cyanide/9010C/9012B	Soil	Cool, 4 ± 2 °C	14 days	120 ml	1 - 4 oz Glass
Hexavalent Chromium/7196A	Soil	Cool, 4 ± 2 °C	30 days	120 ml	1 - 4 oz Glass
PFAS 1633	Soil	Cool, 4 ± 2 °C	28 days extraction / 40 days analysis	To be determined by laboratory	1 - HDPE container
1,4-Dioxane 8270	Soil	Cool, 4 ± 2 °C	14 days extraction / 40 days analysis	250 mL	1 - 8 oz Glass
Volatile Organic Compounds/8260C	Groundwater	HCl, Cool, 4 ± 2 °C	14 days	120 mL	3 - 40ml glass vials
Semivolatile Organic Compounds/8270D	Groundwater	Cool, 4 ± 2 °C	7 days extraction / 40 days analysis	500 mL	2 - 250 mL amber glass
TCL Pesticides/8081B	Groundwater	Cool, 4 ± 2 °C	7 days	1000 mL	2 - 500 mL amber glass
TAL Metals 6020	Groundwater	HNO_3, Cool, 4 ± 2 °C	180 days	500 mL	1 - 500 mL plastic bottle
Mercury/7470A	Groundwater	HNO_3, Cool, 4 ± 2 °C	28 days	500 mL	1 - 500 mL plastic bottle
Total Cyanide/9010C/9012B	Groundwater	NaOH, Cool, 4 ± 2 °C	14 days	250 mL	1 - 250 mL plastic bottle
Hexavalent Chromium/7196A	Groundwater	Cool, 4 ± 2 °C	1 day	500 mL	1 - 500 mL plastic bottle
PFAS 1633	Groundwater	H2O Cool, 4 ± 2 °C	28 days extraction / 28 days analysis	To be determined by laboratory	2 - HDPE container
1,4-Dioxane 8270 SIM	Groundwater	Cool, 4 ± 2 °C	7 days extraction / 40 days analysis	500 mL	1 - 500 mL plastic bottle
Volatile Organic Compounds/TO-15	Soil Vapor	N/A	30 days	2.7 - 6 L	1 - 2.7 or 6 L Summa Canister

Notes:
1. Terracores and encores must be frozen within 48 hours of collection
2. Refer to text for additional information.
3. Equivalent method can be used.
4. Volume may vary by laboratory and/or equivalent method.

QA/QC samples include:
MS/MSD - 1 for every 20 samples
Field Duplicate - 1 for every 20 samples
Trip Blanks - 1 per cooler of samples to be analyzed for VOCs
Field Blanks - 1 for every 20 samples

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Table 2. Minimum Reporting Limits
TCL Volatiles - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	2.5	0.7	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	2.5	0.7	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	1.5	0.5	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	2.5	0.7	ug/l	75-130	20	75-130	20	20			
Trichlorofluoromethane	75-69-4	2.5	0.7	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	2.5	0.7	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.7	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.65	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	20	70-130	20	20			
Toluene	108-88-3	2.5	0.7	ug/l	70-130	20	70-130	20	20			
Ethylbenzene	100-41-4	2.5	0.7	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.7	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	2.5	0.7	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	2.5	0.7	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	20	61-145	20	20			
trans-1,2-Dichloroethene	156-60-5	2.5	0.7	ug/l	70-130	20	70-130	20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	20	70-130	20	20			
1,2-Dichlorobenzene	95-50-1	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.7	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	2.5	0.7	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	2.5	0.7	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	2.5	0.7	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	2.5	0.7	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	2.5	0.7	ug/l				20	20			
Dibromomethane	74-95-3	5	1	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	2.5	0.7	ug/l	64-130	20	64-130	20	20			
Acrylonitrile	107-13-1	5	1.5	ug/l	70-130	20	70-130	20	20			
Styrene	100-42-5	2.5	0.7	ug/l	70-130	20	70-130	20	20			

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Table 2. Minimum Reporting Limits
TCL Volatiles - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	5	1	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	1	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	1	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	1	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	1	ug/l	57-130	20	57-130	20	20			
Bromochloromethane	74-97-5	2.5	0.7	ug/l	70-130	20	70-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.7	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.65	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	2.5	0.7	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.7	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	2.5	0.7	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	2.5	0.7	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.7	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.7	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.7	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	2.5	0.7	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	2.5	0.7	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	2.5	0.7	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.7	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	2.5	0.7	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.7	ug/l	64-130	20	64-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,4-Dioxane	123-91-1	250	60.8	ug/l	56-162	20	56-162	20	20			
1,4-Diethylbenzene	105-05-5	2	0.7	ug/l	70-130	20	70-130	20	20			
4-Ethyltoluene	622-96-8	2	0.7	ug/l	70-130	20	70-130	20	20			
1,2,4,5-Tetramethylbenzene	95-93-2	2	0.542	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.7	ug/l	59-134	20	59-134	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.7	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

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Table 2. Minimum Reporting Limits
TCL Volatiles - EPA 8260D/5035 High&Low (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.14	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.23	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.14	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.56	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	10	4.811	ug/kg	54-140	30	54-140	30	30			

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Table 2. Minimum Reporting Limits
TCL Volatiles - EPA 8260D/5035 High&Low (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.65	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	80	35.1	ug/kg	65-136	30	65-136	30	30			
1,4-Diethylbenzene	105-05-5	2	0.177	ug/kg	70-130	30	70-130	30	30			
4-Ethyltoluene	622-96-8	2	0.384	ug/kg	70-130	30	70-130	30	30			
1,2,4,5-Tetramethylbenzene	95-93-2	2	0.191	ug/kg	70-130	30	70-130	30	30			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
2-Chloroethoxyethane												
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

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Table 2. Minimum Reporting Limits
NYTCL Semivolatiles - EPA 8270E (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	133.6	17.3012	ug/kg	31-137	50	31-137	50	50			
1,2,4-Trichlorobenzene	120-82-1	167	19.1048	ug/kg	38-107	50	38-107	50	50			
Hexachlorobenzene	118-74-1	100.2	18.704	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroethyl)ether	111-44-4	150.3	22.6452	ug/kg	40-140	50	40-140	50	50			
2-Chloronaphthalene	91-58-7	167	16.5664	ug/kg	40-140	50	40-140	50	50			
1,2-Dichlorobenzene	95-50-1	167	29.9932	ug/kg	40-140	50	40-140	50	50			
1,3-Dichlorobenzene	541-73-1	167	28.724	ug/kg	40-140	50	40-140	50	50			
1,4-Dichlorobenzene	106-46-7	167	29.1582	ug/kg	28-104	50	28-104	50	50			
3,3'-Dichlorobenzidine	91-94-1	167	44.422	ug/kg	40-140	50	40-140	50	50			
2,4-Dinitrotoluene	121-14-2	167	33.4	ug/kg	40-132	50	40-132	50	50			
2,6-Dinitrotoluene	606-20-2	167	28.6572	ug/kg	40-140	50	40-140	50	50			
Fluoranthene	206-44-0	100.2	19.1716	ug/kg	40-140	50	40-140	50	50			
4-Chlorophenyl phenyl ether	7005-72-3	167	17.869	ug/kg	40-140	50	40-140	50	50			
4-Bromophenyl phenyl ether	101-55-3	167	25.4842	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroisopropyl)ether	108-60-1	200.4	28.5236	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroethoxy)methane	111-91-1	180.36	16.7334	ug/kg	40-117	50	40-117	50	50			
Hexachlorobutadiene	87-68-3	167	24.4488	ug/kg	40-140	50	40-140	50	50			
Hexachlorocyclopentadiene	77-47-4	477.62	151.302	ug/kg	40-140	50	40-140	50	50			
Hexachloroethane	67-72-1	133.6	27.0206	ug/kg	40-140	50	40-140	50	50			
Isophorone	78-59-1	150.3	21.6766	ug/kg	40-140	50	40-140	50	50			
Naphthalene	91-20-3	167	20.3406	ug/kg	40-140	50	40-140	50	50			
Nitrobenzene	98-95-3	150.3	24.716	ug/kg	40-140	50	40-140	50	50			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	133.6	19.0046	ug/kg	36-157	50	36-157	50	50			
n-Nitrosodi-n-propylamine	621-64-7	167	25.7848	ug/kg	32-121	50	32-121	50	50			
Bis(2-Ethylhexyl)phthalate	117-81-7	167	57.782	ug/kg	40-140	50	40-140	50	50			
Butyl benzyl phthalate	85-68-7	167	42.084	ug/kg	40-140	50	40-140	50	50			
Di-n-butylphthalate	84-74-2	167	31.6632	ug/kg	40-140	50	40-140	50	50			
Di-n-octylphthalate	117-84-0	167	56.78	ug/kg	40-140	50	40-140	50	50			
Diethyl phthalate	84-66-2	167	15.4642	ug/kg	40-140	50	40-140	50	50			
Dimethyl phthalate	131-11-3	167	35.07	ug/kg	40-140	50	40-140	50	50			
Benzo(a)anthracene	56-55-3	100.2	18.8042	ug/kg	40-140	50	40-140	50	50			
Benzo(a)pyrene	50-32-8	133.6	40.748	ug/kg	40-140	50	40-140	50	50			
Benzo(b)fluoranthene	205-99-2	100.2	28.1228	ug/kg	40-140	50	40-140	50	50			
Benzo(k)fluoranthene	207-08-9	100.2	26.72	ug/kg	40-140	50	40-140	50	50			
Chrysene	218-01-9	100.2	17.368	ug/kg	40-140	50	40-140	50	50			
Acenaphthylene	208-96-8	133.6	25.7848	ug/kg	40-140	50	40-140	50	50			
Anthracene	120-12-7	100.2	32.565	ug/kg	40-140	50	40-140	50	50			
Benzo(ghi)perylene	191-24-2	133.6	19.6392	ug/kg	40-140	50	40-140	50	50			
Fluorene	86-73-7	167	16.2324	ug/kg	40-140	50	40-140	50	50			
Phenanthrene	85-01-8	100.2	20.3072	ug/kg	40-140	50	40-140	50	50			
Dibenzo(a,h)anthracene	53-70-3	100.2	19.3052	ug/kg	40-140	50	40-140	50	50			
Indeno(1,2,3-cd)Pyrene	193-39-5	133.6	23.2798	ug/kg	40-140	50	40-140	50	50			

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Table 2. Minimum Reporting Limits
NYTCL Semivolatiles - EPA 8270E (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Pyrene	129-00-0	100.2	16.5998	ug/kg	35-142	50	35-142	50	50			
Biphenyl	92-52-4	380.76	21.71	ug/kg	37-127	50	37-127	50	50			
4-Chloroaniline	106-47-8	167	30.394	ug/kg	40-140	50	40-140	50	50			
2-Nitroaniline	88-74-4	167	32.1976	ug/kg	47-134	50	47-134	50	50			
3-Nitroaniline	99-09-2	167	31.4962	ug/kg	26-129	50	26-129	50	50			
4-Nitroaniline	100-01-6	167	69.138	ug/kg	41-125	50	41-125	50	50			
Dibenzofuran	132-64-9	167	15.7982	ug/kg	40-140	50	40-140	50	50			
2-Methylnaphthalene	91-57-6	200.4	20.1736	ug/kg	40-140	50	40-140	50	50			
Acetophenone	98-86-2	167	20.6746	ug/kg	14-144	50	14-144	50	50			
2,4,6-Trichlorophenol	88-06-2	100.2	31.6632	ug/kg	30-130	50	30-130	50	50			
P-Chloro-M-Cresol	59-50-7	167	24.883	ug/kg	26-103	50	26-103	50	50			
2-Chlorophenol	95-57-8	167	19.7394	ug/kg	25-102	50	25-102	50	50			
2,4-Dichlorophenol	120-83-2	150.3	26.8536	ug/kg	30-130	50	30-130	50	50			
2,4-Dimethylphenol	105-67-9	167	55.11	ug/kg	30-130	50	30-130	50	50			
2-Nitrophenol	88-75-5	360.72	62.792	ug/kg	30-130	50	30-130	50	50			
4-Nitrophenol	100-02-7	233.8	68.136	ug/kg	11-114	50	11-114	50	50			
2,4-Dinitrophenol	51-28-5	801.6	77.822	ug/kg	4-130	50	4-130	50	50			
4,6-Dinitro-o-cresol	534-52-1	434.2	80.16	ug/kg	10-130	50	10-130	50	50			
Pentachlorophenol	87-86-5	133.6	36.74	ug/kg	17-109	50	17-109	50	50			
Phenol	108-95-2	167	25.217	ug/kg	26-90	50	26-90	50	50			
2-Methylphenol	95-48-7	167	25.885	ug/kg	30-130.	50	30-130.	50	50			
3-Methylphenol/4-Methylphenol	106-44-5	240.48	26.1522	ug/kg	30-130	50	30-130	50	50			
2,4,5-Trichlorophenol	95-95-4	167	31.9972	ug/kg	30-130	50	30-130	50	50			
Benzoic Acid	65-85-0	541.08	169.004	ug/kg	10-110	50	10-110	50	50			
Benzyl Alcohol	100-51-6	167	51.102	ug/kg	40-140	50	40-140	50	50			
Carbazole	86-74-8	167	16.2324	ug/kg	54-128	50	54-128	50	50			
1,4-Dioxane	123-91-1	25.05	7.682	ug/kg	40-140	50	40-140	50	50			
2-Fluorophenol	*367-12-4*									*25-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*30-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-136*		
4-Terphenyl-d14	*1718-51-0*									*18-120*		

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Table 2. Minimum Reporting Limits
NYTCL Semivolatiles - EPA 8270E (LVI) (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 250ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	2.002	0.44408	ug/l	37-111	30	37-111	30	30			
1,2,4-Trichlorobenzene	120-82-1	5.0232	0.49868	ug/l	39-98	30	39-98	30	30			
Hexachlorobenzene	118-74-1	2.002	0.46592	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethyl)ether	111-44-4	2.002	0.50596	ug/l	40-140	30	40-140	30	30			
2-Chloronaphthalene	91-58-7	2.002	0.4368	ug/l	40-140	30	40-140	30	30			
1,2-Dichlorobenzene	95-50-1	2.002	0.455	ug/l	40-140	30	40-140	30	30			
1,3-Dichlorobenzene	541-73-1	2.002	0.40404	ug/l	40-140	30	40-140	30	30			
1,4-Dichlorobenzene	106-46-7	2.002	0.43316	ug/l	36-97	30	36-97	30	30			
3,3'-Dichlorobenzidine	91-94-1	5.0232	1.62344	ug/l	40-140	30	40-140	30	30			
2,4-Dinitrotoluene	121-14-2	5.0232	1.1648	ug/l	48-143	30	48-143	30	30			
2,6-Dinitrotoluene	606-20-2	5.0232	0.93184	ug/l	40-140	30	40-140	30	30			
Fluoranthene	206-44-0	2.002	0.257348	ug/l	40-140	30	40-140	30	30			
4-Chlorophenyl phenyl ether	7005-72-3	2.002	0.48776	ug/l	40-140	30	40-140	30	30			
4-Bromophenyl phenyl ether	101-55-3	2.002	0.37856	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroisopropyl)ether	108-60-1	2.002	0.5278	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethoxy)methane	111-91-1	5.0232	0.50232	ug/l	40-140	30	40-140	30	30			
Hexachlorobutadiene	87-68-3	2.002	0.65884	ug/l	40-140	30	40-140	30	30			
Hexachlorocyclopentadiene	77-47-4	20.02	0.68796	ug/l	40-140	30	40-140	30	30			
Hexachloroethane	67-72-1	2.002	0.58604	ug/l	40-140	30	40-140	30	30			
Isophorone	78-59-1	5.0232	1.20484	ug/l	40-140	30	40-140	30	30			
Naphthalene	91-20-3	2.002	0.46592	ug/l	40-140	30	40-140	30	30			
Nitrobenzene	98-95-3	2.002	0.77168	ug/l	40-140	30	40-140	30	30			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	2.002	0.4186	ug/l	40-140	30	40-140	30	30			
n-Nitrosodi-n-propylamine	621-64-7	5.0232	0.64428	ug/l	29-132	30	29-132	30	30			
Bis(2-Ethylhexyl)phthalate	117-81-7	3.003	1.53608	ug/l	40-140	30	40-140	30	30			
Butyl benzyl phthalate	85-68-7	5.0232	1.17208	ug/l	40-140	30	40-140	30	30			
Di-n-butylphthalate	84-74-2	5.0232	0.38948	ug/l	40-140	30	40-140	30	30			
Di-n-octylphthalate	117-84-0	5.0232	1.274	ug/l	40-140	30	40-140	30	30			
Diethyl phthalate	84-66-2	5.0232	0.3822	ug/l	40-140	30	40-140	30	30			
Dimethyl phthalate	131-11-3	5.0232	1.82	ug/l	40-140	30	40-140	30	30			
Benzo(a)anthracene	56-55-3	2.002	0.32578	ug/l	40-140	30	40-140	30	30			
Benzo(a)pyrene	50-32-8	2.002	0.40768	ug/l	40-140	30	40-140	30	30			
Benzo(b)fluoranthene	205-99-2	2.002	0.355264	ug/l	40-140	30	40-140	30	30			
Benzo(k)fluoranthene	207-08-9	2.002	0.37492	ug/l	40-140	30	40-140	30	30			
Chrysene	218-01-9	2.002	0.341068	ug/l	40-140	30	40-140	30	30			
Acenaphthylene	208-96-8	2.002	0.46592	ug/l	45-123	30	45-123	30	30			
Anthracene	120-12-7	2.002	0.32942	ug/l	40-140	30	40-140	30	30			
Benzo(ghi)perylene	191-24-2	2.002	0.296296	ug/l	40-140	30	40-140	30	30			
Fluorene	86-73-7	2.002	0.41496	ug/l	40-140	30	40-140	30	30			
Phenanthrene	85-01-8	2.002	0.33124	ug/l	40-140	30	40-140	30	30			
Dibenzo(a,h)anthracene	53-70-3	2.002	0.323232	ug/l	40-140	30	40-140	30	30			
Indeno(1,2,3-cd)Pyrene	193-39-5	2.002	0.39676	ug/l	40-140	30	40-140	30	30			

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Table 2. Minimum Reporting Limits
NYTCL Semivolatiles - EPA 8270E (LVI) (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 250ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Pyrene	129-00-0	2.002	0.279552	ug/l	26-127	30	26-127	30	30			
Biphenyl	92-52-4	2.002	0.45864	ug/l	40-140	30	40-140	30	30			
4-Chloroaniline	106-47-8	5.0232	1.07016	ug/l	40-140	30	40-140	30	30			
2-Nitroaniline	88-74-4	5.0232	0.49868	ug/l	52-143	30	52-143	30	30			
3-Nitroaniline	99-09-2	5.0232	0.81536	ug/l	25-145	30	25-145	30	30			
4-Nitroaniline	100-01-6	5.0232	0.8008	ug/l	51-143	30	51-143	30	30			
Dibenzofuran	132-64-9	2.002	0.49868	ug/l	40-140	30	40-140	30	30			
2-Methylnaphthalene	91-57-6	2.002	0.455	ug/l	40-140	30	40-140	30	30			
Acetophenone	98-86-2	5.0232	0.5278	ug/l	39-129	30	39-129	30	30			
2,4,6-Trichlorophenol	88-06-2	5.0232	0.61152	ug/l	30-130	30	30-130	30	30			
P-Chloro-M-Cresol	59-50-7	2.002	0.35126	ug/l	23-97	30	23-97	30	30			
2-Chlorophenol	95-57-8	2.002	0.48048	ug/l	27-123	30	27-123	30	30			
2,4-Dichlorophenol	120-83-2	5.0232	0.41132	ug/l	30-130	30	30-130	30	30			
2,4-Dimethylphenol	105-67-9	5.0232	1.77996	ug/l	30-130	30	30-130	30	30			
2-Nitrophenol	88-75-5	10.01	0.84812	ug/l	30-130	30	30-130	30	30			
4-Nitrophenol	100-02-7	10.01	0.6734	ug/l	10-80	30	10-80	30	30			
2,4-Dinitrophenol	51-28-5	20.02	6.6612	ug/l	20-130	30	20-130	30	30			
4,6-Dinitro-o-cresol	534-52-1	10.01	1.81636	ug/l	20-164	30	20-164	30	30			
Pentachlorophenol	87-86-5	10.01	1.79452	ug/l	9-103	30	9-103	30	30			
Phenol	108-95-2	5.0232	0.56784	ug/l	12-110	30	12-110	30	30			
2-Methylphenol	95-48-7	5.0232	0.4914	ug/l	30-130	30	30-130	30	30			
3-Methylphenol/4-Methylphenol	106-44-5	5.0232	0.48048	ug/l	30-130	30	30-130	30	30			
2,4,5-Trichlorophenol	95-95-4	5.0232	0.77532	ug/l	30-130	30	30-130	30	30			
Benzoic Acid	65-85-0	50.232	2.66084	ug/l	10-164	30	10-164	30	30			
Benzyl Alcohol	100-51-6	2.002	0.58968	ug/l	26-116	30	26-116	30	30			
Carbazole	86-74-8	2.002	0.4914	ug/l	55-144	30	55-144	30	30			
2-Fluorophenol	*367-12-4*									*21-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*15-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-120*		
4-Terphenyl-d14	*1718-51-0*									*41-149*		

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Table 2. Minimum Reporting Limits
METALS by 6010D (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container
Aluminum, Total	7429-90-5	4	1.08	mg/kg	48-151		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Antimony, Total	7440-36-0	2	0.152	mg/kg	1-208		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Arsenic, Total	7440-38-2	0.4	0.0832	mg/kg	79-121		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Barium, Total	7440-39-3	0.4	0.0696	mg/kg	83-117		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Beryllium, Total	7440-41-7	0.2	0.0132	mg/kg	83-117		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Cadmium, Total	7440-43-9	0.4	0.0392	mg/kg	83-117		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Calcium, Total	7440-70-2	4	1.4	mg/kg	81-119		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Chromium, Total	7440-47-3	0.4	0.0384	mg/kg	80-120		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Cobalt, Total	7440-48-4	0.8	0.0664	mg/kg	84-115		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Copper, Total	7440-50-8	0.4	0.1032	mg/kg	81-118		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Iron, Total	7439-89-6	2	0.3612	mg/kg	45-155		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Lead, TCLP	7439-92-1	0.5	0.027	mg/l	75-125	20	75-125	20	20		180 days	1 - Glass 250ml/8oz unpreserved
Lead, Total	7439-92-1	2	0.1072	mg/kg	81-117		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Lead, TCLP	7439-92-1	0.5	0.027	mg/l	75-125	20	75-125	20	20		180 days	1 - Plastic 500ml unpreserved
Magnesium, Total	7439-95-4	4	0.616	mg/kg	76-124		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Manganese, Total	7439-96-5	0.4	0.0636	mg/kg	81-117		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Nickel, Total	7440-02-0	1	0.0968	mg/kg	83-117		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Potassium, Total	7440-09-7	100	5.76	mg/kg	71-129		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Selenium, Total	7782-49-2	0.8	0.1032	mg/kg	78-122		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Silver, Total	7440-22-4	0.2	0.1132	mg/kg	75-124		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Sodium, Total	7440-23-5	80	1.26	mg/kg	72-127		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Thallium, Total	7440-28-0	0.8	0.126	mg/kg	80-120		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Vanadium, Total	7440-62-2	0.4	0.0812	mg/kg	78-122		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved
Zinc, Total	7440-66-6	2	0.1172	mg/kg	82-118		75-125	20	20		180 days	Metals Only-Glass 60mL/2oz unpreserved

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Table 2. Minimum Reporting Limits
METALS by 6020B (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container
Aluminum, Total	7429-90-5	10	3.27	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Antimony, Total	7440-36-0	4	0.429	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Arsenic, Total	7440-38-2	0.5	0.165	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Barium, Total	7440-39-3	0.5	0.173	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Beryllium, Total	7440-41-7	0.5	0.107	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Cadmium, Total	7440-43-9	0.2	0.0599	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Calcium, Total	7440-70-2	100	39.4	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Chromium, Total	7440-47-3	1	0.178	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Cobalt, Total	7440-48-4	0.5	0.163	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Copper, Total	7440-50-8	1	0.384	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Iron, Total	7439-89-6	50	19.1	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Lead, Total	7439-92-1	1	0.343	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Magnesium, Total	7439-95-4	70	24.2	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Manganese, Total	7439-96-5	1	0.44	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Nickel, Total	7440-02-0	2	0.556	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Potassium, Total	7440-09-7	100	30.9	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Selenium, Total	7782-49-2	5	1.73	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Silver, Total	7440-22-4	0.4	0.163	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Sodium, Total	7440-23-5	100	29.3	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Thallium, Total	7440-28-0	1	0.143	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Vanadium, Total	7440-62-2	5	1.57	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Zinc, Total	7440-66-6	10	3.41	ug/l	80-120		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved

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Table 2. Minimum Reporting Limits
TCL PCBs - EPA 8082A (SOIL)

Holding Time: 365 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Aroclor 1016	12674-11-2	50	4.44	ug/kg	40-140	50	40-140	50	50			
Aroclor 1221	11104-28-2	50	5.01	ug/kg	40-140	50	40-140	50	50			
Aroclor 1232	11141-16-5	50	10.6	ug/kg	40-140	50	40-140	50	50			
Aroclor 1242	53469-21-9	50	6.74	ug/kg	40-140	50	40-140	50	50			
Aroclor 1248	12672-29-6	50	7.5	ug/kg	40-140	50	40-140	50	50			
Aroclor 1254	11097-69-1	50	5.47	ug/kg	40-140	50	40-140	50	50			
Aroclor 1260	11096-82-5	50	9.24	ug/kg	40-140	50	40-140	50	50			
Aroclor 1262	37324-23-5	50	6.35	ug/kg	40-140	50	40-140	50	50			
Aroclor 1268	11100-14-4	50	5.18	ug/kg	40-140	50	40-140	50	50			
PCBs, Total	1336-36-3	50	4.44	ug/kg				50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

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Table 2. Minimum Reporting Limits
TCL PCBs - EPA 8082A (LVI) (WATER)

Holding Time: 365 days
Container/Sample Preservation: 2 - Amber 120ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Aroclor 1016	12674-11-2	0.0000714	0.000061047	mg/l	40-140	50	40-140	50	50			
Aroclor 1221	11104-28-2	0.0000714	0.000061047	mg/l	40-140	50	40-140	50	50			
Aroclor 1232	11141-16-5	0.0000714	0.000061047	mg/l	40-140	50	40-140	50	50			
Aroclor 1242	53469-21-9	0.0000714	0.000061047	mg/l	40-140	50	40-140	50	50			
Aroclor 1248	12672-29-6	0.0000714	0.000061047	mg/l	40-140	50	40-140	50	50			
Aroclor 1254	11097-69-1	0.0000714	0.000061047	mg/l	40-140	50	40-140	50	50			
Aroclor 1260	11096-82-5	0.0000714	0.000061047	mg/l	40-140	50	40-140	50	50			
Aroclor 1262	37324-23-5	0.0000714	0.000061047	mg/l	40-140	50	40-140	50	50			
Aroclor 1268	11100-14-4	0.0000714	0.000061047	mg/l	40-140	50	40-140	50	50			
PCBs, Total	1336-36-3	0.0000714	0.000061047	mg/l				50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

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Table 2. Minimum Reporting Limits
TCL Pesticides - EPA 8081B (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 120ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Delta-BHC	319-86-8	1.6008	0.31349	ug/kg	30-150	30	30-150	50	50			
Delta-BHC	319-86-8	0.02	0.00467	ug/l	30-150	20	30-150	30	30			
Lindane	58-89-9	0.667	0.298149	ug/kg	30-150	30	30-150	50	50			
Lindane	58-89-9	0.02	0.00434	ug/l	30-150	20	30-150	30	30			
Alpha-BHC	319-84-6	0.667	0.189428	ug/kg	30-150	30	30-150	50	50			
Alpha-BHC	319-84-6	0.02	0.00439	ug/l	30-150	20	30-150	30	30			
Beta-BHC	319-85-7	1.6008	0.60697	ug/kg	30-150	30	30-150	50	50			
Beta-BHC	319-85-7	0.02	0.0056	ug/l	30-150	20	30-150	30	30			
Heptachlor	76-44-8	0.02	0.0031	ug/l	30-150	20	30-150	30	30			
Heptachlor	76-44-8	0.8004	0.358846	ug/kg	30-150	30	30-150	50	50			
Aldrin	309-00-2	1.6008	0.563615	ug/kg	30-150	30	30-150	50	50			
Aldrin	309-00-2	0.02	0.00216	ug/l	30-150	20	30-150	30	30			
Heptachlor epoxide	1024-57-3	3.0015	0.90045	ug/kg	30-150	30	30-150	50	50			
Heptachlor epoxide	1024-57-3	0.02	0.00415	ug/l	30-150	20	30-150	30	30			
Endrin	72-20-8	0.667	0.27347	ug/kg	30-150	30	30-150	50	50			
Endrin	72-20-8	0.04	0.00429	ug/l	30-150	20	30-150	30	30			
Endrin aldehyde	7421-93-4	2.001	0.70035	ug/kg	30-150	30	30-150	50	50			
Endrin aldehyde	7421-93-4	0.04	0.0081	ug/l	30-150	20	30-150	30	30			
Endrin ketone	53494-70-5	0.04	0.00477	ug/l	30-150	20	30-150	30	30			
Endrin ketone	53494-70-5	1.6008	0.412206	ug/kg	30-150	30	30-150	50	50			
Dieldrin	60-57-1	0.04	0.00429	ug/l	30-150	20	30-150	30	30			
Dieldrin	60-57-1	1.0005	0.50025	ug/kg	30-150	30	30-150	50	50			
4,4'-DDE	72-55-9	1.6008	0.370185	ug/kg	30-150	30	30-150	50	50			
4,4'-DDE	72-55-9	0.04	0.00381	ug/l	30-150	20	30-150	30	30			
4,4'-DDD	72-54-8	1.6008	0.570952	ug/kg	30-150	30	30-150	50	50			
4,4'-DDD	72-54-8	0.04	0.00464	ug/l	30-150	20	30-150	30	30			
4,4'-DDT	50-29-3	1.6008	1.28731	ug/kg	30-150	30	30-150	50	50			
4,4'-DDT	50-29-3	0.04	0.00432	ug/l	30-150	20	30-150	30	30			
Endosulfan I	959-98-8	0.02	0.00345	ug/l	30-150	20	30-150	30	30			
Endosulfan I	959-98-8	1.6008	0.378189	ug/kg	30-150	30	30-150	50	50			
Endosulfan II	33213-65-9	0.04	0.00519	ug/l	30-150	20	30-150	30	30			
Endosulfan II	33213-65-9	1.6008	0.534934	ug/kg	30-150	30	30-150	50	50			
Endosulfan sulfate	1031-07-8	0.04	0.00481	ug/l	30-150	20	30-150	30	30			
Endosulfan sulfate	1031-07-8	0.667	0.317492	ug/kg	30-150	30	30-150	50	50			
Methoxychlor	72-43-5	3.0015	0.9338	ug/kg	30-150	30	30-150	50	50			
Methoxychlor	72-43-5	0.2	0.00684	ug/l	30-150	20	30-150	30	30			
Toxaphene	8001-35-2	30.015	8.4042	ug/kg	30-150	30	30-150	50	50			
Toxaphene	8001-35-2	0.2	0.0627	ug/l	30-150	20	30-150	30	30			
cis-Chlordane	5103-71-9	2.001	0.557612	ug/kg	30-150	30	30-150	50	50			
cis-Chlordane	5103-71-9	0.02	0.00666	ug/l	30-150	20	30-150	30	30			
trans-Chlordane	5103-74-2	0.02	0.00627	ug/l	30-150	20	30-150	30	30			
trans-Chlordane	5103-74-2	2.001	0.528264	ug/kg	30-150	30	30-150	50	50			

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Table 2. Minimum Reporting Limits
TCL Pesticides - EPA 8081B (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 120ml unpreserved
vvvvvvv

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Chlordane	57-74-9	13.34	5.30265	ug/kg	30-150	30	30-150	50	50			
Chlordane	57-74-9	0.2	0.0463	ug/l	30-150	20	30-150	30	30			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

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Table 2. Minimum Reporting Limits
METALS by 7471B (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container
Mercury, Total	7439-97-6	0.08	0.05216	mg/kg	72-128		80-120	20	20		28 days	Metals Only-Glass 60mL/2oz unpreserved

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Table 2. Minimum Reporting Limits
METALS by 7470A (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container
Mercury, Total	7439-97-6	0.2	0.0915	ug/l	80-120		75-125	20	20		28 days	1 - Plastic 500ml HNO3 preserved

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Table 2. Minimum Reporting Limits
1,4 Dioxane via EPA 8270E-SIM (ug/L) (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 250ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dioxane	123-91-1	0.15	0.0339	ug/l	40-140	30	40-140	30	30			
1,4-Dioxane-d8	*17647-74-4*									*15-110*		
1,4-Dioxane-d8 (IS)	17647-74-4			ug/l								

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Table 2. Minimum Reporting Limits
WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container
Cyanide, Total	57-12-5	5	1.8	ug/l	85-115	20	80-120	20	20	9010C/9012B	14 days	1 - Plastic 250ml NaOH preserved
Chromium, Hexavalent	18540-29-9	0.8	0.16	mg/kg	80-120	20	75-125	20	20	7196A	30 days	1 - Glass 120ml/4oz unpreserved
Chromium, Hexavalent	18540-29-9	10	3	ug/l	85-115	20	85-115	20	20	7196A	24 hours	1 - Plastic 500ml unpreserved
Cyanide, Total	57-12-5	1	0.212	mg/kg	80-120	35	75-125	35	35	9010C/9012B	14 days	1 - Glass 250ml/8oz unpreserved

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Table 2. Minimum Reporting Limits
PFAAs via EPA 1633 (WATER)

Holding Time: 28 days
Container/Sample Preservation: 3 - Plastic 500ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Perfluorobutanoic Acid (PFBA)	375-22-4	6.4	1.024	ng/l	40-150	30	40-150	30	30			
Perfluorobutanoic Acid (PFBA)	375-22-4	0.8	0.0504	ng/g	40-150	30	40-150	30	30			
Perfluoropentanoic Acid (PFPeA)	2706-90-3	0.4	0.056	ng/g	40-150	30	40-150	30	30			
Perfluoropentanoic Acid (PFPeA)	2706-90-3	3.2	0.856	ng/l	40-150	30	40-150	30	30			
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	0.2	0.0432	ng/g	40-150	30	40-150	30	30			
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	1.6	0.536	ng/l	40-150	30	40-150	30	30			
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	757124-72-4	0.8	0.0808	ng/g	40-150	30	40-150	30	30			
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	757124-72-4	6.4	1.672	ng/l	40-150	30	40-150	30	30			
Perfluorohexanoic Acid (PFHxA)	307-24-4	0.2	0.0464	ng/g	40-150	30	40-150	30	30			
Perfluorohexanoic Acid (PFHxA)	307-24-4	1.6	0.472	ng/l	40-150	30	40-150	30	30			
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	1.6	0.28	ng/l	40-150	30	40-150	30	30			
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	0.2	0.0232	ng/g	40-150	30	40-150	30	30			
Perfluoroheptanoic Acid (PFHpA)	375-85-9	1.6	0.32	ng/l	40-150	30	40-150	30	30			
Perfluoroheptanoic Acid (PFHpA)	375-85-9	0.2	0.0232	ng/g	40-150	30	40-150	30	30			
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	0.2	0.0592	ng/g	40-150	30	40-150	30	30			
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	1.6	0.384	ng/l	40-150	30	40-150	30	30			
Perfluorooctanoic Acid (PFOA)	335-67-1	1.6	0.696	ng/l	40-150	30	40-150	30	30			
Perfluorooctanoic Acid (PFOA)	335-67-1	0.2	0.052	ng/g	40-150	30	40-150	30	30			
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	0.8	0.28	ng/g	40-150	30	40-150	30	30			
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	27619-97-2	6.4	2.16	ng/l	40-150	30	40-150	30	30			
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	0.2	0.0368	ng/g	40-150	30	40-150	30	30			
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	1.6	0.432	ng/l	40-150	30	40-150	30	30			
Perfluorononanoic Acid (PFNA)	375-95-1	1.6	0.504	ng/l	40-150	30	40-150	30	30			
Perfluorononanoic Acid (PFNA)	375-95-1	0.2	0.0784	ng/g	40-150	30	40-150	30	30			
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	1.6	0.728	ng/l	40-150	30	40-150	30	30			
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.2	0.0792	ng/g	40-150	30	40-150	30	30			
Perfluorodecanoic Acid (PFDA)	335-76-2	1.6	0.648	ng/l	40-150	30	40-150	30	30			
Perfluorodecanoic Acid (PFDA)	335-76-2	0.2	0.0752	ng/g	40-150	30	40-150	30	30			
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	0.8	0.3872	ng/g	40-150	30	40-150	30	30			
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	39108-34-4	6.4	2.488	ng/l	40-150	30	40-150	30	30			
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	0.2	0.0424	ng/g	40-150	30	40-150	30	30			
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	1.6	0.496	ng/l	40-150	30	40-150	30	30			
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSA	2355-31-9	0.2	0.1	ng/g	40-150	30	40-150	30	30			
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSA	2355-31-9	1.6	0.872	ng/l	40-150	30	40-150	30	30			
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	1.6	0.696	ng/l	40-150	30	40-150	30	30			
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	0.2	0.0512	ng/g	40-150	30	40-150	30	30			
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	1.6	0.368	ng/l	40-150	30	40-150	30	30			
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	0.2	0.032	ng/g	40-150	30	40-150	30	30			
Perfluorooctanesulfonamide (FOSA)	754-91-6	1.6	0.432	ng/l	40-150	30	40-150	30	30			
Perfluorooctanesulfonamide (FOSA)	754-91-6	0.2	0.0432	ng/g	40-150	30	40-150	30	30			
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	1.6	0.864	ng/l	40-150	30	40-150	30	30			
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	0.2	0.0824	ng/g	40-150	30	40-150	30	30			

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Table 2. Minimum Reporting Limits
PFAAs via EPA 1633 (WATER)

Holding Time: 28 days
Container/Sample Preservation: 3 - Plastic 500ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Perfluorododecanoic Acid (PFDoA)	307-55-1	1.6	0.736	ng/l	40-150	30	40-150	30	30			
Perfluorododecanoic Acid (PFDoA)	307-55-1	0.2	0.0408	ng/g	40-150	30	40-150	30	30			
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	1.6	0.6	ng/l	40-150	30	40-150	30	30			
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	0.2	0.0528	ng/g	40-150	30	40-150	30	30			
Perfluorotetradecanoic Acid (PFTA)	376-06-7	0.2	0.1064	ng/g	40-150	30	40-150	30	30			
Perfluorotetradecanoic Acid (PFTA)	376-06-7	1.6	0.424	ng/l	40-150	30	40-150	30	30			
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Pr	13252-13-6	0.8	0.0984	ng/g	40-150	30	40-150	30	30			
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Pr	13252-13-6	6.4	0.896	ng/l	40-150	30	40-150	30	30			
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	919005-14-4	6.4	1.008	ng/l	40-150	30	40-150	30	30			
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	919005-14-4	0.8	0.1464	ng/g	40-150	30	40-150	30	30			
Perfluorododecane Sulfonic Acid (PFDoDS)	79780-39-5	0.2	0.0384	ng/g	40-150	30	40-150	30	30			
Perfluorododecane Sulfonic Acid (PFDoDS)	79780-39-5	1.6	0.608	ng/l	40-150	30	40-150	30	30			
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF	756426-58-1	0.8	0.196	ng/g	40-150	30	40-150	30	30			
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF	756426-58-1	6.4	1.32	ng/l	40-150	30	40-150	30	30			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl	763051-92-9	6.4	1.32	ng/l	40-150	30	40-150	30	30			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl	763051-92-9	0.8	0.1672	ng/g	40-150	30	40-150	30	30			
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	31506-32-8	0.2	0.1	ng/g	40-150	30	40-150	30	30			
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	31506-32-8	1.6	0.696	ng/l	40-150	30	40-150	30	30			
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	4151-50-2	0.2	0.112	ng/g	40-150	30	40-150	30	30			
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	4151-50-2	1.6	0.736	ng/l	40-150	30	40-150	30	30			
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	24448-09-7	16	3.76	ng/l	40-150	30	40-150	30	30			
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	24448-09-7	2	0.2504	ng/g	40-150	30	40-150	30	30			
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	1691-99-2	16	1.96	ng/l	40-150	30	40-150	30	30			
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	1691-99-2	2	0.5104	ng/g	40-150	30	40-150	30	30			
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	377-73-1	3.2	0.456	ng/l	40-150	30	40-150	30	30			
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	377-73-1	0.4	0.0408	ng/g	40-150	30	40-150	30	30			
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	863090-89-5	0.4	0.0312	ng/g	40-150	30	40-150	30	30			
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	863090-89-5	3.2	0.424	ng/l	40-150	30	40-150	30	30			
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	113507-82-7	0.4	0.0832	ng/g	40-150	30	40-150	30	30			
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	113507-82-7	3.2	0.352	ng/l	40-150	30	40-150	30	30			
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	151772-58-6	3.2	1.888	ng/l	40-150	30	40-150	30	30			
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	151772-58-6	0.4	0.0952	ng/g	40-150	30	40-150	30	30			
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	356-02-5	1	0.144	ng/g	40-150	30	40-150	30	30			
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	356-02-5	8	2.64	ng/l	40-150	30	40-150	30	30			
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	914637-49-3	40	9.36	ng/l	40-150	30	40-150	30	30			
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	914637-49-3	5	0.5048	ng/g	40-150	30	40-150	30	30			
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	812-70-4	40	6.312	ng/l	40-150	30	40-150	30	30			
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	812-70-4	5	1.76	ng/g	40-150	30	40-150	30	30			
Perfluoro[13C4]Butanoic Acid (MPFBA)	*NONE*									*20-150*		
Perfluoro[13C4]Butanoic Acid (MPFBA)	*NONE*									*20-150*		
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	*NONE*									*20-150*		
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	*NONE*									*20-150*		

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Table 2. Minimum Reporting Limits
PFAAs via EPA 1633 (WATER)

Holding Time: 28 days
Container/Sample Preservation: 3 - Plastic 500ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	*NONE*									*20-150*		
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	*NONE*									*20-150*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-	*NONE*									*20-150*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-	*NONE*									*20-150*		
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	*NONE*									*20-150*		
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	*NONE*									*20-150*		
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	*NONE*									*20-150*		
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	*NONE*									*20-150*		
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	*NONE*									*20-150*		
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	*NONE*									*20-150*		
Perfluoro[13C8]Octanoic Acid (M8PFOA)	*NONE*									*20-150*		
Perfluoro[13C8]Octanoic Acid (M8PFOA)	*NONE*									*20-150*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-	*NONE*									*20-150*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-	*NONE*									*20-150*		
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	*NONE*									*20-150*		
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	*NONE*									*20-150*		
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	*NONE*									*20-150*		
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	*NONE*									*20-150*		
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	*NONE*									*20-150*		
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	*NONE*									*20-150*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-	*NONE*									*20-150*		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-	*NONE*									*20-150*		
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid	*NONE*									*20-150*		
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid	*NONE*									*20-150*		
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	*NONE*									*20-150*		
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	*NONE*									*20-150*		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	*NONE*									*20-150*		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	*NONE*									*20-150*		
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (	*NONE*									*20-150*		
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (	*NONE*									*20-150*		
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	*NONE*									*20-150*		
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	*NONE*									*20-150*		
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	*NONE*									*20-150*		
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	*NONE*									*20-150*		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-1	*NONE*									*20-150*		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-1	*NONE*									*20-150*		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	*NONE*									*20-150*		
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (d3-NMeFOSA)	*NONE*									*20-150*		
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (d5-NEtFOSA)	*NONE*									*20-150*		
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (d5-NEtFOSA)	*NONE*									*20-150*		
2-(N-Methyl-d3-Perfluoro-1-Octanesulfonamido)ethan-d4-o	*1265205-95-5*									*20-150*		
2-(N-Methyl-d3-Perfluoro-1-Octanesulfonamido)ethan-d4-o	*1265205-95-5*									*20-150*		

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Table 2. Minimum Reporting Limits
PFAAs via EPA 1633 (WATER)

Holding Time: 28 days
Container/Sample Preservation: 3 - Plastic 500ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
2-(N-Ethyl-d5-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (	*NONE*									*20-150*		
2-(N-Ethyl-d5-Perfluoro-1-Octanesulfonamido)ethan-d4-ol (	*NONE*									*20-150*		

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Table 2. Minimum Reporting Limits
Volatile Organics in Air: TO-15 (AIR)

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Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,1,1-Trichloroethane	71-55-6	0.2	0.0614	ppbV	70-130			25	25			
1,1,2,2-Tetrachloroethane	79-34-5	0.2	0.052	ppbV	70-130			25	25			
1,1,2-Trichloroethane	79-00-5	0.2	0.0582	ppbV	70-130			25	25			
1,1-Dichloroethane	75-34-3	0.2	0.0568	ppbV	70-130			25	25			
1,1-Dichloroethene	75-35-4	0.2	0.0568	ppbV	70-130			25	25			
1,2,3-Trimethylbenzene	526-73-8	0.2	0.0576	ppbV	70-130			25	25			
1,2,4-Trichlorobenzene	120-82-1	0.2	0.1	ppbV	70-130			25	25			
1,2,4-Trimethylbenzene	95-63-6	0.2	0.0577	ppbV	70-130			25	25			
1,2,4,5-Tetramethylbenzene	95-93-2	0.2	0.135	ppbV	70-130			25	25			
1,2-Dibromoethane	106-93-4	0.2	0.0544	ppbV	70-130			25	25			
1,2-Dichlorobenzene	95-50-1	0.2	0.0619	ppbV	70-130			25	25			
1,2-Dichloroethane	107-06-2	0.2	0.0787	ppbV	70-130			25	25			
1,2-Dichloropropane	78-87-5	0.2	0.0631	ppbV	70-130			25	25			
1,3,5-Trimethylbenzene	108-67-8	0.2	0.06	ppbV	70-130			25	25			
1,3-Butadiene	106-99-0	0.2	0.0619	ppbV	70-130			25	25			
1,3-Dichlorobenzene	541-73-1	0.2	0.0777	ppbV	70-130			25	25			
1,4-Dichlorobenzene	106-46-7	0.2	0.0826	ppbV	70-130			25	25			
1,4-Dioxane	123-91-1	0.2	0.0538	ppbV	70-130			25	25			
2,2,4-Trimethylpentane	540-84-1	0.2	0.0692	ppbV	70-130			25	25			
2-Butanone	78-93-3	0.5	0.099	ppbV	70-130			25	25			
2-Hexanone	591-78-6	0.2	0.0912	ppbV	70-130			25	25			
2-Methylthiophene	554-14-3	0.2	0.0622	ppbV	70-130			25	25			
3-Methylthiophene	616-44-4	0.2	0.0634	ppbV	70-130			25	25			
3-Chloropropene	107-05-1	0.2	0.086	ppbV	70-130			25	25			
2-Ethylthiophene	872-55-9	0.2	0.0612	ppbV	70-130			25	25			
4-Ethyltoluene	622-96-8	0.2	0.0554	ppbV	70-130			25	25			
Acetone	67-64-1	1	0.515	ppbV	40-160			25	25			
Benzene	71-43-2	0.2	0.0643	ppbV	70-130			25	25			
Benzyl chloride	100-44-7	0.2	0.0939	ppbV	70-130			25	25			
Benzothiophene	95-15-8	0.5	0.273	ppbV	70-130			25	25			
Bromodichloromethane	75-27-4	0.2	0.0689	ppbV	70-130			25	25			
Bromoform	75-25-2	0.2	0.0596	ppbV	70-130			25	25			
Bromomethane	74-83-9	0.2	0.0547	ppbV	70-130			25	25			
Carbon disulfide	75-15-0	0.2	0.0465	ppbV	70-130			25	25			
Carbon tetrachloride	56-23-5	0.2	0.0686	ppbV	70-130			25	25			
Chlorobenzene	108-90-7	0.2	0.0516	ppbV	70-130			25	25			
Chloroethane	75-00-3	0.2	0.0649	ppbV	70-130			25	25			
Chloroform	67-66-3	0.2	0.0552	ppbV	70-130			25	25			
Chloromethane	74-87-3	0.2	0.0576	ppbV	70-130			25	25			
cis-1,2-Dichloroethene	156-59-2	0.2	0.0595	ppbV	70-130			25	25			
cis-1,3-Dichloropropene	10061-01-5	0.2	0.0674	ppbV	70-130			25	25			
Cyclohexane	110-82-7	0.2	0.0728	ppbV	70-130			25	25			

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Table 2. Minimum Reporting Limits
Volatile Organics in Air: TO-15 (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibromochloromethane	124-48-1	0.2	0.0566	ppbV	70-130			25	25			
Dichlorodifluoromethane	75-71-8	0.2	0.0757	ppbV	70-130			25	25			
Ethyl Alcohol	GCDAI06	5	1.74	ppbV	40-160			25	25			
Ethyl Acetate	141-78-6	0.5	0.297	ppbV	70-130			25	25			
Ethylbenzene	100-41-4	0.2	0.0575	ppbV	70-130			25	25			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	0.2	0.0506	ppbV	70-130			25	25			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	0.2	0.0504	ppbV	70-130			25	25			
Hexachlorobutadiene	87-68-3	0.2	0.0607	ppbV	70-130			25	25			
iso-Propyl Alcohol	67-63-0	0.5	0.272	ppbV	40-160			25	25			
Methylene chloride	75-09-2	0.5	0.125	ppbV	70-130			25	25			
4-Methyl-2-pentanone	108-10-1	0.5	0.19	ppbV	70-130			25	25			
Methyl tert butyl ether	1634-04-4	0.2	0.045	ppbV	70-130			25	25			
Methyl Methacrylate	80-62-6	0.5	0.226	ppbV	40-160			25	25			
p/m-Xylene	179601-23-1	0.4	0.125	ppbV	70-130			25	25			
o-Xylene	95-47-6	0.2	0.0621	ppbV	70-130			25	25			
Xylene (Total)	1330-20-7	0.2	0.0621	ppbV				25	25			
Heptane	142-82-5	0.2	0.0828	ppbV	70-130			25	25			
n-Heptane	142-82-5	0.2	0.0828	ppbV	70-130			25	25			
n-Hexane	110-54-3	0.2	0.0743	ppbV	70-130			25	25			
Propylene	115-07-1	0.5	0.135	ppbV	70-130			25	25			
Styrene	100-42-5	0.2	0.0596	ppbV	70-130			25	25			
Tetrachloroethene	127-18-4	0.2	0.0627	ppbV	70-130			25	25			
Thiophene	110-02-1	0.2	0.052	ppbV	70-130			25	25			
Tetrahydrofuran	109-99-9	0.5	0.117	ppbV	70-130			25	25			
Toluene	108-88-3	0.2	0.0867	ppbV	70-130			25	25			
trans-1,2-Dichloroethene	156-60-5	0.2	0.0755	ppbV	70-130			25	25			
1,2-Dichloroethene (total)	540-59-0	0.2	0.0595	ppbV				25	25			
trans-1,3-Dichloropropene	10061-02-6	0.2	0.0783	ppbV	70-130			25	25			
1,3-Dichloropropene, Total	542-75-6	0.2	0.0674	ppbV				25	25			
Trichloroethene	79-01-6	0.2	0.0548	ppbV	70-130			25	25			
Trichlorofluoromethane	75-69-4	0.2	0.0787	ppbV	70-130			25	25			
Vinyl acetate	108-05-4	1	0.323	ppbV	70-130			25	25			
Vinyl bromide	593-60-2	0.2	0.0722	ppbV	70-130			25	25			
Vinyl chloride	75-01-4	0.2	0.0582	ppbV	70-130			25	25			
Naphthalene	91-20-3	0.2	0.078	ppbV	70-130			25	25			
Total HC As Hexane	NONE	10	0.0743	ppbV	70-130			25	25			
Total VOCs As Toluene	NONE	10	0.0867	ppbV	70-130			25	25			
Propane	74-98-6	0.5	0.152	ppbV	70-130			25	25			
Acrylonitrile	107-13-1	0.5	0.0894	ppbV	70-130			25	25			
Acrolein	107-02-8	0.5	0.149	ppbV	60-113			25	25			
1,1,1,2-Tetrachloroethane	630-20-6	0.2	0.0508	ppbV	70-130			25	25			
Isopropylbenzene	98-82-8	0.2	0.0621	ppbV	70-130			25	25			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc

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Page: 3

Table 2. Minimum Reporting Limits
Volatile Organics in Air: TO-15 (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,2,3-Trichloropropane	96-18-4	0.2	0.0575	ppbV	70-130			25	25			
Acetonitrile	75-05-8	0.2	0.101	ppbV	70-130			25	25			
Bromobenzene	108-86-1	0.2	0.0579	ppbV	70-130			25	25			
Chlorodifluoromethane	75-45-6	0.2	0.0463	ppbV	70-130			25	25			
Dichlorofluoromethane	75-43-4	0.2	0.112	ppbV	70-130			25	25			
Dibromomethane	74-95-3	0.2	0.0598	ppbV	70-130			25	25			
Pentane	109-66-0	0.2	0.113	ppbV	70-130			25	25			
Octane	111-65-9	0.2	0.0676	ppbV	70-130			25	25			
Tertiary-Amyl Methyl Ether	994-05-8	0.2	0.0672	ppbV	70-130			25	25			
o-Chlorotoluene	95-49-8	0.2	0.0761	ppbV	70-130			25	25			
p-Chlorotoluene	106-43-4	0.2	0.0765	ppbV	70-130			25	25			
2,2-Dichloropropane	594-20-7	0.2	0.0429	ppbV	70-130			25	25			
1,1-Dichloropropene	563-58-6	0.2	0.0593	ppbV	70-130			25	25			
Isopropyl Ether	108-20-3	0.2	0.0631	ppbV	70-130			25	25			
Ethyl-Tert-Butyl-Ether	637-92-3	0.2	0.0731	ppbV	70-130			25	25			
1,2,3-Trichlorobenzene	87-61-6	0.2	0.0738	ppbV	70-130			25	25			
Ethyl ether	60-29-7	0.2	0.0853	ppbV	70-130			25	25			
n-Butylbenzene	104-51-8	0.2	0.0536	ppbV	70-130			25	25			
sec-Butylbenzene	135-98-8	0.2	0.0547	ppbV	70-130			25	25			
tert-Butylbenzene	98-06-6	0.2	0.0551	ppbV	70-130			25	25			
1,2-Dibromo-3-chloropropane	96-12-8	0.2	0.0624	ppbV	70-130			25	25			
p-Isopropyltoluene	99-87-6	0.2	0.0567	ppbV	70-130			25	25			
n-Propylbenzene	103-65-1	0.2	0.0633	ppbV	70-130			25	25			
1,3-Dichloropropane	142-28-9	0.2	0.0536	ppbV	70-130			25	25			
Methanol	67-56-1	5	3.029	ppbV	70-130			25	25			
Acetaldehyde	75-07-0	2.5	1.73	ppbV	70-130			25	25			
Butane	106-97-8	0.2	0.08	ppbV	70-130			25	25			
Nonane (C9)	111-84-2	0.2	0.0737	ppbV	70-130			25	25			
Decane (C10)	124-18-5	0.2	0.0697	ppbV	70-130			25	25			
Undecane	1120-21-4	0.2	0.0709	ppbV	70-130			25	25			
Indane	496-11-7	0.2	0.0591	ppbV	70-130			25	25			
Indene	95-13-6	0.2	0.0711	ppbV	70-130			25	25			
1-Methylnaphthalene	90-12-0	1	0.264	ppbV	70-130			25	25			
Dodecane (C12)	112-40-3	0.2	0.0891	ppbV	70-130			25	25			
Butyl Acetate	123-86-4	0.5	0.208	ppbV	70-130			25	25			
tert-Butyl Alcohol	75-65-0	0.5	0.132	ppbV	70-130			25	25			
2-Methylnaphthalene	91-57-6	1	0.259	ppbV	70-130			25	25			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
Bromofluorobenzene	*460-00-4*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc

APPENDIX D
NYSDEC Emerging Contaminant Field Sampling Guidance

NEW YORK STATE OF OPPORTUNITY.

Department of Environmental Conservation

SAMPLING, ANALYSIS, AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)

Under NYSDEC's Part 375 Remedial Programs

April 2023



www.dec.ny.gov

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ERRATA SHEET for

SAMPLING, ANALYSIS, AND ASSESSMENT OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) Under NYSDEC's Part 375 Remedial Programs Issued January 17, 2020

Citation and Page Number	Current Text	Corrected Text	Date
Title of Appendix I, page 32	Appendix H	Appendix I	2/25/2020
Document Cover, page 1	Guidelines for Sampling and Analysis of PFAS	Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs	9/15/2020
Data Assessment and Application to Site Cleanup Page 3	Until such time as Ambient Water Quality Standards (AWQS) and Soil Cleanup Objectives (SCOs) for PFOA and PFOS are published	Until such time as Soil Cleanup Objectives (SCOs) for PFOA and PFOS are published	3/28/2023
Water Sample Results Page 3	PFOA and PFOS should be further assessed and considered as potential contaminants of concern in groundwater or surface water if PFOA or PFOS is detected in any water sample at or above 10 ng/L (ppt) and is determined to be attributable to the site, either by a comparison of upgradient and downgradient levels, or the presence of soil source areas, as defined below.	NYSDEC has adopted ambient water quality guidance values for PFOA and PFOS. Groundwater samples should be compared to the human health criteria of 6.7 ng/l (ppt) for PFOA and 2.7 ng/l (ppt) for PFOS. These guidance values also include criteria for surface water for PFOS applicable for aquatic life, which may be applicable at some sites. Drinking water sample results should be compared to the NYS maximum contaminant level (MCL) of 10 ng/l (ppt).Analysis to determine if PFOA and PFOS concentrations are attributable to the site should include a comparison between upgradient and downgradient levels, and the presence of soil source areas, as defined below.	3/28/2023
Soil Sample Results Page 3	Soil cleanup objectives for PFOA and PFOS have been proposed in an upcoming revision to 6 NYCRR Part 375-6. Until SCOs are in effect, the following are to be used as guidance values:	NYSDEC will delay adding soil cleanup objectives for PFOA and PFOS to 6 NYCRR Part 375-6 until the PFAS rural soil background study has been completed. Until SCOs are in effect, the following are to be used as guidance values:	3/28/2023
Protection of Groundwater Page 3	PFOA (ppb) 1.1 PFOS (ppb) 3.7	PFOA (ppb) 0.8 PFOS (ppb) 1.0	3/28/2023

Citation and Page Number	Current Text	Corrected Text	Date
Footnote 2 Page 3	The movement of PFAS in the environment is being aggressively researched at this time; that research will eventually result in more accurate models for the behaviors of these chemicals. In the meantime, DEC has calculated the guidance value for the protection of groundwater using the same procedure used for all other chemicals, as described in Section 7.7 of the Technical Support Document (http://www.dec.ny.gov/docs/remediation_hudson_pdf/techsuppdoc.pdf).	The Protection of Groundwater values are based on the above referenced ambient groundwater guidance values. Details on that calculation are available in the following document, prepared for the February 2022 proposed changes to Part 375 (https://www.dec.ny.gov/docs/remediation_hudson_pdf/part375techsupport.pdf). The movement of PFAS in the environment is being aggressively researched at this time; that research will eventually result in more accurate models for the behaviors of these chemicals. In the meantime, DEC has calculated the guidance value for the protection of groundwater using the same procedure used for all other chemicals, as described in Section 7.7 of the Technical Support Document (http://www.dec.ny.gov/docs/remediation_hudson_pdf/techsuppdoc.pdf).	3/28/2023
Testing for Imported Soil Page 4	If the concentrations of PFOA and PFOS in leachate are at or above 10 ppt (the Maximum Contaminant Levels established for drinking water by the New York State Department of Health), then the soil is not acceptable.	If the concentrations of PFOA and PFOS in leachate are at or above the ambient water quality guidance values for groundwater, then the soil is not acceptable.	3/28/2023
Routine Analysis, page 9	"However, laboratories analyzing environmental samples…PFOA and PFOS in drinking water by EPA Method 537, 537.1 or ISO 25101."	"However, laboratories analyzing environmental samples…PFOA and PFOS in drinking water by EPA Method 537, 537.1, ISO 25101, or Method 533."	9/15/2020
Additional Analysis, page 9, new paragraph regarding soil parameters	None	"In cases where site-specific cleanup objectives for PFOA and PFOS are to be assessed, soil parameters, such as Total Organic Carbon (EPA Method 9060), soil pH (EPA Method 9045), clay content (percent), and cation exchange capacity (EPA Method 9081), should be included in the analysis to help evaluate factors affecting the leachability of PFAS in site soils."	9/15/2020

Citation and Page Number	Current Text	Corrected Text	Date
Data Assessment and Application to Site Cleanup Page 10	Until such time as Ambient Water Quality Standards (AWQS) and Soil Cleanup Objectives (SCOs) for PFAS are published, the extent of contaminated media potentially subject to remediation should be determined on a case-by-case basis using the procedures discussed below and the criteria in DER-10. Target levels for cleanup of PFAS in other media, including biota and sediment, have not yet been established by the DEC.	Until such time as Ambient Water Quality Standards (AWQS) and Soil Cleanup Objectives (SCOs) for PFOA and PFOS are published, the extent of contaminated media potentially subject to remediation should be determined on a case-by-case basis using the procedures discussed below and the criteria in DER-10. Preliminary target levels for cleanup of PFOA and PFOS in other media, including biota and sediment, have not yet been established by the DEC.	9/15/2020
Water Sample Results Page 10	PFAS should be further assessed and considered as a potential contaminant of concern in groundwater or surface water (…) If PFAS are identified as a contaminant of concern for a site, they should be assessed as part of the remedy selection process in accordance with Part 375 and DER-10.	PFOA and PFOS should be further assessed and considered as potential contaminants of concern in groundwater or surface water (…) If PFOA and/or PFOS are identified as contaminants of concern for a site, they should be assessed as part of the remedy selection process in accordance with Part 375 and DER-10.	9/15/2020

Citation and Page Number	Current Text	Corrected Text	Date
Soil Sample Results, page 10	"The extent of soil contamination for purposes of delineation and remedy selection should be determined by having certain soil samples tested by Synthetic Precipitation Leaching Procedure (SPLP) and the leachate analyzed for PFAS. Soil exhibiting SPLP results above 70 ppt for either PFOA or PFOS (individually or combined) are to be evaluated during the cleanup phase."	"Soil cleanup objectives for PFOA and PFOS will be proposed in an upcoming revision to 6 NYCRR Part 375-6. Until SCOs are in effect, the following are to be used as guidance values. " [Interim SCO Table] "PFOA and PFOS results for soil are to be compared against the guidance values listed above. These guidance values are to be used in determining whether PFOA and PFOS are contaminants of concern for the site and for determining remedial action objectives and cleanup requirements. Site-specific remedial objectives for protection of groundwater can also be presented for evaluation by DEC. Development of site-specific remedial objectives for protection of groundwater will require analysis of additional soil parameters relating to leachability. These additional analyses can include any or all the parameters listed above (soil pH, cation exchange capacity, etc.) and/or use of SPLP. As the understanding of PFAS transport improves, DEC welcomes proposals for site-specific remedial objectives for protection of groundwater. DEC will expect that those may be dependent on additional factors including soil pH, aqueous pH, % organic carbon, % Sand/Silt/Clay, soil cations: K, Ca, Mg, Na, Fe, Al, cation exchange capacity, and anion exchange capacity. Site-specific remedial objectives should also consider the dilution attenuation factor (DAF). The NJDEP publication on DAF can be used as a reference: https://www.nj.gov/dep/srp/guidance/rs/daf.pdf. "	9/15/2020

Citation and Page Number	Current Text	Corrected Text	Date
Testing for Imported Soil Page 11	Soil imported to a site for use in a soil cap, soil cover, or as backfill is to be tested for PFAS in general conformance with DER-10, Section 5.4(e) for the PFAS Analyte List (Appendix F) using the analytical procedures discussed below and the criteria in DER-10 associated with SVOCs. If PFOA or PFOS is detected in any sample at or above 1 µg/kg, then soil should be tested by SPLP and the leachate analyzed for PFAS. If the SPLP results exceed 10 ppt for either PFOA or PFOS (individually) then the source of backfill should be rejected, unless a site-specific exemption is provided by DER. SPLP leachate criteria is based on the Maximum Contaminant Levels proposed for drinking water by New York State's Department of Health, this value may be updated based on future Federal or State promulgated regulatory standards. Remedial parties have the option of analyzing samples concurrently for both PFAS in soil and in the SPLP leachate to minimize project delays. Category B deliverables should be submitted for backfill samples, though a DUSR is not required.	Testing for PFAS should be included any time a full TAL/TCL analyte list is required. Results for PFOA and PFOS should be compared to the applicable guidance values. If PFOA or PFOS is detected in any sample at or above the guidance values then the source of backfill should be rejected, unless a site-specific exemption is provided by DER based on SPLP testing, for example. If the concentrations of PFOA and PFOS in leachate are at or above 10 ppt (the Maximum Contaminant Levels established for drinking water by the New York State Department of Health), then the soil is not acceptable. PFOA, PFOS and 1,4-dioxane are all considered semi-volatile compounds, so composite samples are appropriate for these compounds when sampling in accordance with DER-10, Table 5.4(e)10. Category B deliverables should be submitted for backfill samples, though a DUSR is not required.	9/15/2020

Citation and Page Number	Current Text	Corrected Text	Date
Footnotes	None	[1] TOP Assay analysis of highly contaminated samples, such as those from an AFFF (aqueous film-forming foam) site, can result in incomplete oxidation of the samples and an underestimation of the total perfluoroalkyl substances. [2] The movement of PFAS in the environment is being aggressively researched at this time; that research will eventually result in more accurate models for the behaviors of these chemicals. In the meantime, DEC has calculated the soil cleanup objective for the protection of groundwater using the same procedure used for all other chemicals, as described in Section 7.7 of the Technical Support Document (http://www.dec.ny.gov/docs/remediation_hudson_pdf/techsuppdoc.pdf).	9/15/2020
Additional Analysis, page 9	In cases… soil parameters, such as Total Organic Carbon (EPA Method 9060), soil…	In cases… soil parameters, such as Total Organic Carbon (Lloyd Kahn), soil…	1/8/2021
Appendix A, General Guidelines, fourth bullet	List the ELAP-approved lab(s) to be used for analysis of samples	List the ELAP- certified lab(s) to be used for analysis of samples	1/8/2021
Appendix E, Laboratory Analysis and Containers	Drinking water samples collected using this protocol are intended to be analyzed for PFAS by ISO Method 25101.	Drinking water samples collected using this protocol are intended to be analyzed for PFAS by EPA Method 537, 537.1, 533, or ISO Method 25101	1/8/2021
Water Sample Results Page 9	"In addition, further assessment of water may be warranted if either of the following screening levels are met: a. any other individual PFAS (not PFOA or PFOS) is detected in water at or above 100 ng/L; or b. total concentration of PFAS (including PFOA and PFOS) is detected in water at or above 500 ng/L"	Deleted	6/15/2021

Citation and Page Number	Current Text	Corrected Text	Date
Routine Analysis, Page XX	Currently, New York State Department of Health's Environmental Laboratory Approval Program (ELAP)… criteria set forth in the DER's laboratory guidelines for PFAS in non-potable water and solids (Appendix H - Laboratory Guidelines for Analysis of PFAS in Non-Potable Water and Solids).	Deleted	5/31/2022
Analysis and Reporting, Page XX	As of October 2020, the United States Environmental Protection Agency (EPA) does not have a validated method for analysis of PFAS for media commonly analyzed under DER remedial programs (non-potable waters, solids). DER has developed the following guidelines to ensure consistency in analysis and reporting of PFAS.	Deleted	5/31/2022
Routine Analysis, Page XX	LC-MS/MS analysis for PFAS using methodologies based on EPA Method 537.1 is the procedure to use for environmental samples. Isotope dilution techniques should be utilized for the analysis of PFAS in all media.	EPA Method 1633 is the procedure to use for environmental samples.	
Soil Sample Results, Page XX	Soil cleanup objectives for PFOA and PFOS will be proposed in an upcoming revision to 6 NYCRR Part 375-6	Soil cleanup objectives for PFOA and PFOS have been proposed in an upcoming revision to 6 NYCRR Part 375-6	
Appendix A	"Include in the text… LC-MS/MS for PFAS using methodologies based on EPA Method 537.1"	"Include in the text ….EPA Method 1633"	
Appendix A	"Laboratory should have ELAP certification for PFOA and PFOS in drinking water by EPA Method 537, 537.1, EPA Method 533, or ISO 25101"	Deleted	
Appendix B	"Samples collected using this protocol are intended to be analyzed for PFAS using methodologies based on EPA Method 537.1"	"Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633"	

Citation and Page Number	Current Text	Corrected Text	Date
Appendix C	"Samples collected using this protocol are intended to be analyzed for PFAS using methodologies based on EPA Method 537.1"	"Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633"	
Appendix D	"Samples collected using this protocol are intended to be analyzed for PFAS using methodologies based on EPA Method 537.1"	"Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633"	
Appendix G		Updated to include all forty PFAS analytes in EPA Method 533	
Appendix H		Deleted	
Appendix I	Appendix I	Appendix H	
Appendix H	"These guidelines are intended to be used for the validation of PFAS analytical results for projects within the Division of Environmental Remediation (DER) as well as aid in the preparation of a data usability summary report."	"These guidelines are intended to be used for the validation of PFAS using EPA Method 1633 for projects within the Division of Environmental Remediation (DER)."	
Appendix H	"The holding time is 14 days…"	"The holding time is 28 days…"	
Appendix H, Initial Calibration	"The initial calibration should contain a minimum of five standards for linear fit…"	"The initial calibration should contain a minimum of six standards for linear fit…"	
Appendix H, Initial Calibration	Linear fit calibration curves should have an R^2 value greater than 0.990.	Deleted	
Appendix H, Initial Calibration Verification	Initial Calibration Verification Section	Deleted	
Appendix H	secondary Ion Monitoring Section	Deleted	
Appendix H	Branched and Linear Isomers Section	Deleted	

Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs

Objective

New York State Department of Environmental Conservation's Division of Environmental Remediation (DER) performs or oversees sampling of environmental media and subsequent analysis of PFAS as part of remedial programs implemented under 6 NYCRR Part 375. To ensure consistency in sampling, analysis, reporting, and assessment of PFAS, DER has developed this document which summarizes currently accepted procedures and updates previous DER technical guidance pertaining to PFAS.

Applicability

All work plans submitted to DEC pursuant to one of the remedial programs under Part 375 shall include PFAS sampling and analysis procedures that conform to the guidelines provided herein.

As part of a site investigation or remedial action compliance program, whenever samples of potentially affected media are collected and analyzed for the standard Target Analyte List/Target Compound List (TAL/TCL), PFAS analysis should also be performed. Potentially affected media can include soil, groundwater, surface water, and sediment. Based upon the potential for biota to be affected, biota sampling and analysis for PFAS may also be warranted as determined pursuant to a Fish and Wildlife Impact Analysis. Soil vapor sampling for PFAS is not required.

Field Sampling Procedures

DER-10 specifies technical guidance applicable to DER's remedial programs. Given the prevalence and use of PFAS, DER has developed "best management practices" specific to sampling for PFAS. As specified in DER-10 Chapter 2, quality assurance procedures are to be submitted with investigation work plans. Typically, these procedures are incorporated into a work plan, or submitted as a stand-alone document (e.g., a Quality Assurance Project Plan). Quality assurance guidelines for PFAS are listed in Appendix A - Quality Assurance Project Plan (QAPP) Guidelines for PFAS.

Field sampling for PFAS performed under DER remedial programs should follow the appropriate procedures outlined for soils, sediments, or other solids (Appendix B), non-potable groundwater (Appendix C), surface water (Appendix D), public or private water supply wells (Appendix E), and fish tissue (Appendix F).

QA/QC samples (e.g. duplicates, MS/MSD) should be collected as specified in DER-10, Section 2.3(c). For sampling equipment coming in contact with aqueous samples only, rinsate or equipment blanks should be collected. Equipment blanks should be collected at a minimum frequency of one per day per site or one per twenty samples, whichever is more frequent.

Analysis and Reporting

The investigation work plan should describe analysis and reporting procedures, including laboratory analytical procedures for the methods discussed below. As specified in DER-10 Section 2.2, laboratories should provide a full Category B deliverable. In addition, a Data Usability Summary Report (DUSR) should be prepared by an independent, third-party data validator. Electronic data submissions should meet the requirements provided at: https://www.dec.ny.gov/chemical/62440.html.

DER has developed a *PFAS Analyte List* (Appendix G) for remedial programs to understand the nature of contamination at sites. It is expected that reported results for PFAS will include, at a minimum, all the compounds listed. If lab and/or matrix specific issues are encountered for any analytes, the DER project manager, in consultation with the DER chemist, will make case-by-case decisions as to whether certain analytes may be temporarily or permanently discontinued from analysis at each site. As with other contaminants that are analyzed for at a site, the *PFAS Analyte List* may be refined for future sampling events based on investigative findings.

Routine Analysis

EPA Method 1633 is the procedure to use for environmental samples. Reporting limits for PFOA and PFOS in aqueous samples should not exceed 2 ng/L. Reporting limits for PFOA and PFOS in solid samples should not exceed 0.5 µg/kg. Reporting limits for all other PFAS in aqueous and solid media should be as close to these limits as possible. If laboratories indicate that they are not able to achieve these reporting limits for the entire *PFAS Analyte List*, site-specific decisions regarding acceptance of elevated reporting limits for specific PFAS can be made by the DER project manager in consultation with the DER chemist. Data review guidelines were developed by DER to ensure data comparability and usability (Appendix H - Data Review Guidelines for Analysis of PFAS in Non-Potable Water and Solids).

Additional Analysis

Additional laboratory methods for analysis of PFAS may be warranted at a site, such as the Synthetic Precipitation Leaching Procedure (SPLP) and Total Oxidizable Precursor Assay (TOP Assay).

In cases where site-specific cleanup objectives for PFOA and PFOS are to be assessed, soil parameters, such as Total Organic Carbon (Lloyd Kahn), soil pH (EPA Method 9045), clay content (percent), and cation exchange capacity (EPA Method 9081), should be included in the analysis to help evaluate factors affecting the leachability of PFAS in site soils.

SPLP is a technique used to determine the mobility of chemicals in liquids, soils and wastes, and may be useful in determining the need for addressing PFAS-containing material as part of the remedy. SPLP by EPA Method 1312 should be used unless otherwise specified by the DER project manager in consultation with the DER chemist.

Impacted materials can be made up of PFAS that are not analyzable by routine analytical methodology. A TOP Assay can be utilized to conceptualize the amount and type of oxidizable PFAS which could be liberated in the environment, which approximates the maximum concentration of perfluoroalkyl substances that could be generated if all polyfluoroalkyl substances were oxidized. For example, some polyfluoroalkyl substances may degrade or transform to form perfluoroalkyl substances (such as PFOA or PFOS), resulting in an increase in perfluoroalkyl substance concentrations as contaminated groundwater moves away from a source. The TOP Assay converts, through oxidation, polyfluoroalkyl substances (precursors) into perfluoroalkyl substances that can be detected by routine analytical methodology.[1]

[1] TOP Assay analysis of highly contaminated samples, such as those from an AFFF (aqueous film-forming foam) site, can result in incomplete oxidation of the samples and an underestimation of the total perfluoroalkyl substances.

Commercial laboratories have adopted methods which allow for the quantification of targeted PFAS in air and biota. The EPA's Office of Research and Development (ORD) is currently developing methods which allow for air emissions characterization of PFAS, including both targeted and non-targeted analysis of PFAS. Consult with the DER project manager and the DER chemist for assistance on analyzing biota/tissue and air samples.

Data Assessment and Application to Site Cleanup

Until such time as Soil Cleanup Objectives (SCOs) for PFOA and PFOS are published, the extent of contaminated media potentially subject to remediation should be determined on a case-by-case basis using the procedures discussed below and the criteria in DER-10. Preliminary target levels for cleanup of PFOA and PFOS in other media, including biota and sediment, have not yet been established by the DEC.

Water Sample Results

NYSDEC has adopted ambient water quality guidance values for PFOA and PFOS. Groundwater samples should be compared to the human health criteria of 6.7 ng/l (ppt) for PFOA and 2.7 ng/l (ppt) for PFOS. These human health criteria should also be applied to surface water that is used as a water supply. This guidance also includes criteria for surface water for PFOS applicable for aquatic life, which may be applicable at some sites. Drinking water sample results should be compared to the NYS maximum contaminant level (MCL) of 10 ng/l (ppt). Analysis to determine if PFOA and PFOS concentrations are attributable to the site should include a comparison between upgradient and downgradient levels, and the presence of soil source areas, as defined below.

If PFOA and/or PFOS are identified as contaminants of concern for a site, they should be assessed as part of the remedy selection process in accordance with Part 375 and DER-10.

Soil Sample Results

NYSDEC will delay adding soil cleanup objectives for PFOA and PFOS to 6 NYCRR Part 375-6 until the PFAS rural soil background study has been completed. Until SCOs are in effect, the following are to be used as guidance values:

Guidance Values for Anticipated Site Use	PFOA (ppb)	PFOS (ppb)
Unrestricted	0.66	0.88
Residential	6.6	8.8
Restricted Residential	33	44
Commercial	500	440
Industrial	600	440
Protection of Groundwater[2]	0.8	1.0

PFOA and PFOS results for soil are to be compared against the guidance values listed above. These guidance values are to be used in determining whether PFOA and PFOS are contaminants of concern for the site and for determining remedial action objectives and cleanup requirements. Site-specific remedial objectives for protection of groundwater can also be presented for evaluation by DEC. Development of site-specific remedial objectives for protection of groundwater will require analysis of additional soil parameters relating to leachability. These

[2] The Protection of Groundwater values are based on the above referenced ambient groundwater guidance values. Details on that calculation are available in the following document, prepared for the February 2022 proposed changes to Part 375 (https://www.dec.ny.gov/docs/remediation_hudson_pdf/part375techsupport.pdf). The movement of PFAS in the environment is being aggressively researched at this time; that research will eventually result in more accurate models for the behaviors of these chemicals. In the meantime, DEC has calculated the guidance value for the protection of groundwater using the same procedure used for all other chemicals, as described in Section 7.7 of the Technical Support Document (http://www.dec.ny.gov/docs/remediation_hudson_pdf/techsuppdoc.pdf).

additional analyses can include any or all the parameters listed above (soil pH, cation exchange capacity, etc.) and/or use of SPLP.

As the understanding of PFAS transport improves, DEC welcomes proposals for site-specific remedial objectives for protection of groundwater. DEC will expect that those may be dependent on additional factors including soil pH, aqueous pH, % organic carbon, % Sand/Silt/Clay, soil cations: K, Ca, Mg, Na, Fe, Al, cation exchange capacity, and anion exchange capacity. Site-specific remedial objectives should also consider the dilution attenuation factor (DAF). The NJDEP publication on DAF can be used as a reference: https://www.nj.gov/dep/srp/guidance/rs/daf.pdf.

Testing for Imported Soil

Testing for PFAS should be included any time a full TAL/TCL analyte list is required. Results for PFOA and PFOS should be compared to the applicable guidance values. If PFOA or PFOS is detected in any sample at or above the guidance values then the source of backfill should be rejected, unless a site-specific exemption is provided by DER based on SPLP testing, for example. If the concentrations of PFOA and PFOS in leachate are at or above the ambient water quality guidance values for groundwater, then the soil is not acceptable.

PFOA, PFOS and 1,4-dioxane are all considered semi-volatile compounds, so composite samples are appropriate for these compounds when sampling in accordance with DER-10, Table 5.4(e)10. Category B deliverables should be submitted for backfill samples, though a DUSR is not required.

Appendix A - Quality Assurance Project Plan (QAPP) Guidelines for PFAS

The following guidelines (general and PFAS-specific) can be used to assist with the development of a QAPP for projects within DER involving sampling and analysis of PFAS.

General Guidelines in Accordance with DER-10

- Document/work plan section title – Quality Assurance Project Plan
- Summarize project scope, goals, and objectives
- Provide project organization including names and resumes of the project manager, Quality Assurance Officer (QAO), field staff, and Data Validator
    - The QAO should not have another position on the project, such as project or task manager, that involves project productivity or profitability as a job performance criterion
- List the ELAP certified lab(s) to be used for analysis of samples
- Include a site map showing sample locations
- Provide detailed sampling procedures for each matrix
- Include Data Quality Usability Objectives
- List equipment decontamination procedures
- Include an "Analytical Methods/Quality Assurance Summary Table" specifying:
    - Matrix type
    - Number or frequency of samples to be collected per matrix
    - Number of field and trip blanks per matrix
    - Analytical parameters to be measured per matrix
    - Analytical methods to be used per matrix with minimum reporting limits
    - Number and type of matrix spike and matrix spike duplicate samples to be collected
    - Number and type of duplicate samples to be collected
    - Sample preservation to be used per analytical method and sample matrix
    - Sample container volume and type to be used per analytical method and sample matrix
    - Sample holding time to be used per analytical method and sample matrix
- Specify Category B laboratory data deliverables and preparation of a DUSR

Specific Guidelines for PFAS

- Include in the text that sampling for PFAS will take place
- Include in the text that PFAS will be analyzed by EPA Method 1633
- Include the list of PFAS compounds to be analyzed (*PFAS Analyte List*)
- Include the laboratory SOP for PFAS analysis
- List the minimum method-achievable Reporting Limits for PFAS
    - Reporting Limits should be less than or equal to:
        - Aqueous – 2 ng/L (ppt)
        - Solids – 0.5 µg/kg (ppb)
- Include the laboratory Method Detection Limits for the PFAS compounds to be analyzed
-
- Include detailed sampling procedures
    - Precautions to be taken
    - Pump and equipment types
    - Decontamination procedures
    - Approved materials only to be used
- Specify that regular ice only will be used for sample shipment
- Specify that equipment blanks should be collected at a minimum frequency of 1 per day per site for each matrix

Appendix B - Sampling Protocols for PFAS in Soils, Sediments and Solids

General

The objective of this protocol is to give general guidelines for the collection of soil, sediment and other solid samples for PFAS analysis. The sampling procedure used should be consistent with Sampling Guidelines and Protocols – Technological Background and Quality Control/Quality Assurance for NYS DEC Spill Response Program – March 1991 (http://www.dec.ny.gov/docs/remediation_hudson_pdf/sgpsect5.pdf), with the following limitations.

Laboratory Analysis and Containers

Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633.

The preferred material for containers is high density polyethylene (HDPE). Pre-cleaned sample containers, coolers, sample labels, and a chain of custody form will be provided by the laboratory.

Equipment

Acceptable materials for sampling include stainless steel, HDPE, PVC, silicone, acetate, and polypropylene. Additional materials may be acceptable if pre-approved by New York State Department of Environmental Conservation's Division of Environmental Remediation.

No sampling equipment components or sample containers should come in to contact with aluminum foil, low density polyethylene, glass, or polytetrafluoroethylene (PTFE, Teflon™) materials including sample bottle cap liners with a PTFE layer.

A list of acceptable equipment is provided below, but other equipment may be considered appropriate based on sampling conditions.

- stainless steel spoon
- stainless steel bowl
- steel hand auger or shovel without any coatings

Equipment Decontamination

Standard two step decontamination using detergent (Alconox is acceptable) and clean, PFAS-free water will be performed for sampling equipment. All sources of water used for equipment decontamination should be verified in advance to be PFAS-free through laboratory analysis or certification.

Sampling Techniques

Sampling is often conducted in areas where a vegetative turf has been established. In these cases, a pre-cleaned trowel or shovel should be used to carefully remove the turf so that it may be replaced at the conclusion of sampling. Surface soil samples (e.g. 0 to 6 inches below surface) should then be collected using a pre-cleaned, stainless steel spoon. Shallow subsurface soil samples (e.g. 6 to ~36 inches below surface) may be collected by digging a hole using a pre-cleaned hand auger or shovel. When the desired subsurface depth is reached, a pre-cleaned hand auger or spoon shall be used to obtain the sample.

When the sample is obtained, it should be deposited into a stainless steel bowl for mixing prior to filling the sample containers. The soil should be placed directly into the bowl and mixed thoroughly by rolling the material into the middle until the material is homogenized. At this point the material within the bowl can be placed into the laboratory provided container.

Sample Identification and Logging

A label shall be attached to each sample container with a unique identification. Each sample shall be included on the chain of custody (COC).

Quality Assurance/Quality Control

- Immediately place samples in a cooler maintained at 4 ± 2º Celsius using ice
- Collect one field duplicate for every sample batch, minimum 1 duplicate per 20 samples. The duplicate shall consist of an additional sample at a given location
- Collect one matrix spike / matrix spike duplicate (MS/MSD) for every sample batch, minimum 1 MS/MSD per 20 samples. The MS/MSD shall consist of an additional two samples at a given location and identified on the COC
- Request appropriate data deliverable (Category B) and an electronic data deliverable

Documentation

A soil log or sample log shall document the location of the sample/borehole, depth of the sample, sampling equipment, duplicate sample, visual description of the material, and any other observations or notes determined to be appropriate. Additionally, care should be performed to limit contact with PFAS containing materials (e.g. waterproof field books, food packaging) during the sampling process.

Personal Protection Equipment (PPE)

For most sampling Level D PPE is anticipated to be appropriate. The sampler should wear nitrile gloves while conducting field work and handling sample containers.

Field staff shall consider the clothing to be worn during sampling activities. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFAS materials should be avoided. All clothing worn by sampling personnel should have been laundered multiple times.

Appropriate rain gear (PVC, polyurethane, or rubber rain gear are acceptable), bug spray, and sunscreen should be used that does not contain PFAS. Well washed cotton coveralls may be used as an alternative to bug spray and/or sunscreen.

PPE that contains PFAS is acceptable when site conditions warrant additional protection for the samplers and no other materials can be used to be protective. Documentation of such use should be provided in the field notes.

Appendix C - Sampling Protocols for PFAS in Monitoring Wells

General

The objective of this protocol is to give general guidelines for the collection of groundwater samples for PFAS analysis. The sampling procedure used should be consistent with Sampling Guidelines and Protocols – Technological Background and Quality Control/Quality Assurance for NYS DEC Spill Response Program – March 1991 (http://www.dec.ny.gov/docs/remediation_hudson_pdf/sgpsect5.pdf), with the following limitations.

Laboratory Analysis and Container

Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633.

The preferred material for containers is high density polyethylene (HDPE). Pre-cleaned sample containers, coolers, sample labels, and a chain of custody form will be provided by the laboratory.

Equipment

Acceptable materials for sampling include: stainless steel, HDPE, PVC, silicone, acetate, and polypropylene. Additional materials may be acceptable if pre-approved by New York State Department of Environmental Conservation's Division of Environmental Remediation.

No sampling equipment components or sample containers should come in contact with aluminum foil, low density polyethylene, glass, or polytetrafluoroethylene (PTFE, Teflon™) materials including plumbers tape and sample bottle cap liners with a PTFE layer.

A list of acceptable equipment is provided below, but other equipment may be considered appropriate based on sampling conditions.

- stainless steel inertia pump with HDPE tubing
- peristaltic pump equipped with HDPE tubing and silicone tubing
- stainless steel bailer with stainless steel ball
- bladder pump (identified as PFAS-free) with HDPE tubing

Equipment Decontamination

Standard two step decontamination using detergent (Alconox is acceptable) and clean, PFAS-free water will be performed for sampling equipment. All sources of water used for equipment decontamination should be verified in advance to be PFAS-free through laboratory analysis or certification.

Sampling Techniques

Monitoring wells should be purged in accordance with the sampling procedure (standard/volume purge or low flow purge) identified in the site work plan, which will determine the appropriate time to collect the sample. If sampling using standard purge techniques, additional purging may be needed to reduce turbidity levels, so samples contain a limited amount of sediment within the sample containers. Sample containers that contain sediment may cause issues at the laboratory, which may result in elevated reporting limits and other issues during the sample preparation that can compromise data usability. Sampling personnel should don new nitrile gloves prior to sample collection due to the potential to contact PFAS containing items (not related to the sampling equipment) during the purging activities.

Sample Identification and Logging

A label shall be attached to each sample container with a unique identification. Each sample shall be included on the chain of custody (COC).

Quality Assurance/Quality Control

- Immediately place samples in a cooler maintained at 4 ± 2º Celsius using ice
- Collect one field duplicate for every sample batch, minimum 1 duplicate per 20 samples. The duplicate shall consist of an additional sample at a given location
- Collect one matrix spike / matrix spike duplicate (MS/MSD) for every sample batch, minimum 1 MS/MSD per 20 samples. The MS/MSD shall consist of an additional two samples at a given location and identified on the COC
- Collect one equipment blank per day per site and minimum 1 equipment blank per 20 samples. The equipment blank shall test the new and decontaminated sampling equipment utilized to obtain a sample for residual PFAS contamination. This sample is obtained by using laboratory provided PFAS-free water and passing the water over or through the sampling device and into laboratory provided sample containers
- Additional equipment blank samples may be collected to assess other equipment that is utilized at the monitoring well
- Request appropriate data deliverable (Category B) and an electronic data deliverable

Documentation

A purge log shall document the location of the sample, sampling equipment, groundwater parameters, duplicate sample, visual description of the material, and any other observations or notes determined to be appropriate. Additionally, care should be performed to limit contact with PFAS containing materials (e.g. waterproof field books, food packaging) during the sampling process.

Personal Protection Equipment (PPE)

For most sampling Level D PPE is anticipated to be appropriate. The sampler should wear nitrile gloves while conducting field work and handling sample containers.

Field staff shall consider the clothing to be worn during sampling activities. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFAS materials should be avoided. All clothing worn by sampling personnel should have been laundered multiple times.

Appropriate rain gear (PVC, polyurethane, or rubber rain gear are acceptable), bug spray, and sunscreen should be used that does not contain PFAS. Well washed cotton coveralls may be used as an alternative to bug spray and/or sunscreen.

PPE that contains PFAS is acceptable when site conditions warrant additional protection for the samplers and no other materials can be used to be protective. Documentation of such use should be provided in the field notes.

Appendix D - Sampling Protocols for PFAS in Surface Water

General

The objective of this protocol is to give general guidelines for the collection of surface water samples for PFAS analysis. The sampling procedure used should be consistent with Sampling Guidelines and Protocols – Technological Background and Quality Control/Quality Assurance for NYS DEC Spill Response Program – March 1991 (http://www.dec.ny.gov/docs/remediation_hudson_pdf/sgpsect5.pdf), with the following limitations.

Laboratory Analysis and Container

Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633.

The preferred material for containers is high density polyethylene (HDPE). Pre-cleaned sample containers, coolers, sample labels, and a chain of custody form will be provided by the laboratory.

Equipment

Acceptable materials for sampling include: stainless steel, HDPE, PVC, silicone, acetate, and polypropylene. Additional materials may be acceptable if pre-approved by New York State Department of Environmental Conservation's Division of Environmental Remediation.

No sampling equipment components or sample containers should come in contact with aluminum foil, low density polyethylene, glass, or polytetrafluoroethylene (PTFE, Teflon™) materials including sample bottle cap liners with a PTFE layer.

A list of acceptable equipment is provided below, but other equipment may be considered appropriate based on sampling conditions.

- stainless steel cup

Equipment Decontamination

Standard two step decontamination using detergent (Alconox is acceptable) and clean, PFAS-free water will be performed for sampling equipment. All sources of water used for equipment decontamination should be verified in advance to be PFAS-free through laboratory analysis or certification.

Sampling Techniques

Where conditions permit, (e.g. creek or pond) sampling devices (e.g. stainless steel cup) should be rinsed with site medium to be sampled prior to collection of the sample. At this point the sample can be collected and poured into the sample container.

If site conditions permit, samples can be collected directly into the laboratory container.

Sample Identification and Logging

A label shall be attached to each sample container with a unique identification. Each sample shall be included on the chain of custody (COC).

Quality Assurance/Quality Control

- Immediately place samples in a cooler maintained at 4 ± 2º Celsius using ice
- Collect one field duplicate for every sample batch, minimum 1 duplicate per 20 samples. The duplicate shall consist of an additional sample at a given location
- Collect one matrix spike / matrix spike duplicate (MS/MSD) for every sample batch, minimum 1 MS/MSD per 20 samples. The MS/MSD shall consist of an additional two samples at a given location and identified on the COC
- Collect one equipment blank per day per site and minimum 1 equipment blank per 20 samples. The equipment blank shall test the new and decontaminated sampling equipment utilized to obtain a sample for residual PFAS contamination. This sample is obtained by using laboratory provided PFAS-free water and passing the water over or through the sampling device and into laboratory provided sample containers
- Request appropriate data deliverable (Category B) and an electronic data deliverable

Documentation

A sample log shall document the location of the sample, sampling equipment, duplicate sample, visual description of the material, and any other observations or notes determined to be appropriate. Additionally, care should be performed to limit contact with PFAS containing materials (e.g. waterproof field books, food packaging) during the sampling process.

Personal Protection Equipment (PPE)

For most sampling Level D PPE is anticipated to be appropriate. The sampler should wear nitrile gloves while conducting field work and handling sample containers.

Field staff shall consider the clothing to be worn during sampling activities. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFAS materials should be avoided. All clothing worn by sampling personnel should have been laundered multiple times.

Appropriate rain gear (PVC, polyurethane, or rubber rain gear are acceptable), bug spray, and sunscreen should be used that does not contain PFAS. Well washed cotton coveralls may be used as an alternative to bug spray and/or sunscreen.

PPE that contains PFAS is acceptable when site conditions warrant additional protection for the samplers and no other materials can be used to be protective. Documentation of such use should be provided in the field notes.

Appendix E - Sampling Protocols for PFAS in Private Water Supply Wells

General

The objective of this protocol is to give general guidelines for the collection of water samples from private water supply wells (with a functioning pump) for PFAS analysis. The sampling procedure used should be consistent with Sampling Guidelines and Protocols – Technological Background and Quality Control/Quality Assurance for NYS DEC Spill Response Program – March 1991 (http://www.dec.ny.gov/docs/remediation_hudson_pdf/sgpsect5.pdf), with the following limitations.

Laboratory Analysis and Container

Drinking water samples collected using this protocol are intended to be analyzed for PFAS by EPA Method 537, 537.1, 533, or ISO Method 25101. The preferred material for containers is high density polyethylene (HDPE). Pre-cleaned sample containers, coolers, sample labels, and a chain of custody form will be provided by the laboratory.

Equipment

Acceptable materials for sampling include stainless steel, HDPE, PVC, silicone, acetate, and polypropylene. Additional materials may be acceptable if pre-approved by New York State Department of Environmental Conservation's Division of Environmental Remediation.

No sampling equipment components or sample containers should come in contact with aluminum foil, low density polyethylene, glass, or polytetrafluoroethylene (PTFE, Teflon™) materials (e.g. plumbers tape), including sample bottle cap liners with a PTFE layer.

Equipment Decontamination

Standard two step decontamination using detergent (Alconox is acceptable) and clean, PFAS-free water will be performed for sampling equipment. All sources of water used for equipment decontamination should be verified in advance to be PFAS-free through laboratory analysis or certification.

Sampling Techniques

Locate and assess the pressure tank and determine if any filter units are present within the building. Establish the sample location as close to the well pump as possible, which is typically the spigot at the pressure tank. Ensure sampling equipment is kept clean during sampling as access to the pressure tank spigot, which is likely located close to the ground, may be obstructed and may hinder sample collection.

Prior to sampling, a faucet downstream of the pressure tank (e.g., washroom sink) should be run until the well pump comes on and a decrease in water temperature is noted which indicates that the water is coming from the well. If the homeowner is amenable, staff should run the water longer to purge the well (15+ minutes) to provide a sample representative of the water in the formation rather than standing water in the well and piping system including the pressure tank. At this point a new pair of nitrile gloves should be donned and the sample can be collected from the sample point at the pressure tank.

Sample Identification and Logging

A label shall be attached to each sample container with a unique identification. Each sample shall be included on the chain of custody (COC).

Quality Assurance/Quality Control

- Immediately place samples in a cooler maintained at 4 ± 2º Celsius using ice
- Collect one field duplicate for every sample batch, minimum 1 duplicate per 20 samples. The duplicate shall consist of an additional sample at a given location
- Collect one matrix spike / matrix spike duplicate (MS/MSD) for every sample batch, minimum 1 MS/MSD per 20 samples. The MS/MSD shall consist of an additional two samples at a given location and identified on the COC
- If equipment was used, collect one equipment blank per day per site and a minimum 1 equipment blank per 20 samples. The equipment blank shall test the new and decontaminated sampling equipment utilized to obtain a sample for residual PFAS contamination. This sample is obtained by using laboratory provided PFAS-free water and passing the water over or through the sampling device and into laboratory provided sample containers.
- A field reagent blank (FRB) should be collected at a rate of one per 20 samples. The lab will provide a FRB bottle containing PFAS free water and one empty FRB bottle. In the field, pour the water from the one bottle into the empty FRB bottle and label appropriately.
- Request appropriate data deliverable (Category B) and an electronic data deliverable
- For sampling events where multiple private wells (homes or sites) are to be sampled per day, it is acceptable to collect QC samples at a rate of one per 20 across multiple sites or days.

Documentation

A sample log shall document the location of the private well, sample point location, owner contact information, sampling equipment, purge duration, duplicate sample, visual description of the material, and any other observations or notes determined to be appropriate and available (e.g. well construction, pump type and location, yield, installation date). Additionally, care should be performed to limit contact with PFAS containing materials (e.g. waterproof field books, food packaging) during the sampling process.

Personal Protection Equipment (PPE)

For most sampling Level D PPE is anticipated to be appropriate. The sampler should wear nitrile gloves while conducting field work and handling sample containers.

Field staff shall consider the clothing to be worn during sampling activities. Clothing that contains PTFE material (including GORE-TEX®) or that have been waterproofed with PFAS materials should be avoided. All clothing worn by sampling personnel should have been laundered multiple times.

Appendix F - Sampling Protocols for PFAS in Fish

This appendix contains a copy of the current SOP developed by the Division of Fish and Wildlife (DFW) entitled "General Fish Handling Procedures for Contaminant Analysis" (Ver. 8). This SOP should be followed when collecting fish for contaminant analysis. Note, however, that the Bureau of Ecosystem Health will not be supplying bags or tags. All supplies are the responsibility of the collector

Procedure Name: General Fish Handling Procedures for Contaminant Analysis

Number: FW-005

Purpose: This procedure describes data collection, fish processing and delivery of fish collected for contaminant monitoring. It contains the chain of custody and collection record forms that should be used for the collections.

Organization: Environmental Monitoring Section
Bureau of Ecosystem Health
Division of Fish and Wildlife (DFW)
New York State Department of Environmental Conservation (NYSDEC)
625 Broadway
Albany, New York 12233-4756

Version: 8

Previous Version Date: 21 March 2018

Summary of Changes to this Version: Updated bureau name to Bureau of Ecosystem Health. Added direction to list the names of all field crew on the collection record. Minor formatting changes on chain of custody and collection records.

Originator or Revised by: Wayne Richter, Jesse Becker

Date: 26 April 2019

Quality Assurance Officer and Approval Date: Jesse Becker, 26 April 2019

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

GENERAL FISH HANDLING PROCEDURES FOR CONTAMINANT ANALYSES

A. Original copies of all continuity of evidence (i.e., Chain of Custody) and collection record forms must accompany delivery of fish to the lab. A copy shall be directed to the Project Leader or as appropriate, Wayne Richter. All necessary forms will be supplied by the Bureau of Ecosystem Health. Because some samples may be used in legal cases, it is critical that each section is filled out completely. Each Chain of Custody form has three main sections:

   1. The top box is to be filled out **and signed** by the person responsible for the fish collection (e.g., crew leader, field biologist, researcher). This person is responsible for delivery of the samples to DEC facilities or personnel (e.g., regional office or biologist).

   2. The second section is to be filled out **and signed** by the person responsible for the collections while being stored at DEC, before delivery to the analytical lab. This may be the same person as in (1), but it is still required that they complete the section. Also important is the **range of identification numbers** (i.e., tag numbers) included in the sample batch.

   3. Finally, the bottom box is to record any transfers between DEC personnel and facilities. Each subsequent transfer should be **identified, signed, and dated**, until laboratory personnel take possession of the fish.

B. The following data are required on each **Fish Collection Record** form:

   1. Project and Site Name.

   2. DEC Region.

   3. All personnel (and affiliation) involved in the collection.

   4. Method of collection (gill net, hook and line, etc.)

   5. Preservation Method.

C. The following data are to be taken on each fish collected and recorded on the **Fish Collection Record** form:

   1. Tag number - Each specimen is to be individually jaw tagged at time of collection with a unique number. Make sure the tag is turned out so that the number can be read without opening the bag. Use tags in sequential order. For small fish or composite samples place the tag inside the bag with the samples. The Bureau of Ecosystem Health can supply the tags.

   2. Species identification (please be explicit enough to enable assigning genus and species). Group fish by species when processing.

   3. Date collected.

   4. Sample location (waterway and nearest prominent identifiable landmark).

   5. Total length (nearest mm or smallest sub-unit on measuring instrument) and weight (nearest g or

smallest sub-unit of weight on weighing instrument). Take all measures as soon as possible with calibrated, protected instruments (e.g. from wind and upsets) and prior to freezing.

6. Sex - fish may be cut enough to allow sexing or other internal investigation, but do not eviscerate. Make any incision on the right side of the belly flap or exactly down the midline so that a left-side fillet can be removed.

D. General data collection recommendations:

1. It is helpful to use an ID or tag number that will be unique. It is best to use metal striped bass or other uniquely numbered metal tags. If uniquely numbered tags are unavailable, values based on the region, water body and year are likely to be unique: for example, R7CAY11001 for Region 7, Cayuga Lake, 2011, fish 1. If the fish are just numbered 1 through 20, we have to give them new numbers for our database, making it more difficult to trace your fish to their analytical results and creating an additional possibility for errors.

2. Process and record fish of the same species sequentially. Recording mistakes are less likely when all fish from a species are processed together. Starting with the bigger fish species helps avoid missing an individual.

3. If using Bureau of Ecosystem Health supplied tags or other numbered tags, use tags in sequence so that fish are recorded with sequential Tag Numbers. This makes data entry and login at the lab and use of the data in the future easier and reduces keypunch errors.

4. Record length and weight as soon as possible after collection and before freezing. Other data are recorded in the field upon collection. An age determination of each fish is optional, but if done, it is recorded in the appropriate “Age” column.

5. For composite samples of small fish, record the number of fish in the composite in the Remarks column. Record the length and weight of each individual in a composite. All fish in a composite sample should be of the same species and members of a composite should be visually matched for size.

6. Please submit photocopies of topographic maps or good quality navigation charts indicating sampling locations. GPS coordinates can be entered in the Location column of the collection record form in addition to or instead for providing a map. These records are of immense help to us (and hopefully you) in providing documented location records which are not dependent on memory and/or the same collection crew. In addition, they may be helpful for contaminant source trackdown and remediation/control efforts of the Department.

7. When recording data on fish measurements, it will help to ensure correct data recording for the data recorder to call back the numbers to the person making the measurements.

E. Each fish is to be placed in its own individual plastic bag. For small fish to be analyzed as a composite, put all of the fish for one composite in the same bag but use a separate bag for each composite. It is important to individually bag the fish to avoid difficulties or cross contamination when processing the fish for chemical analysis. Be sure to include the fish’s tag number inside the bag, preferably attached to the fish with the tag number turned out so it can be read. Tie or otherwise secure the bag closed. **The Bureau of Ecosystem Health will supply the bags.** If necessary, food grade bags may be procured from a suitable vendor (e.g., grocery store). It is preferable to redundantly label each bag with a manila tag tied between the knot and the body of the bag. This tag should be labeled with the project name, collection location, tag number, collection date, and fish species. If scales are collected, the scale envelope should be labeled with

the same information.

F. Groups of fish, by species, are to be placed in one large plastic bag per sampling location. **The Bureau of Ecosystem Health will supply the larger bags.** Tie or otherwise secure the bag closed. Label the site bag with a manila tag tied between the knot and the body of the bag. The tag should contain: project, collection location, collection date, species and **tag number ranges**. Having this information on the manila tag enables lab staff to know what is in the bag without opening it.

G. Do not eviscerate, fillet or otherwise dissect the fish unless specifically asked to. If evisceration or dissection is specified, the fish must be cut along the exact midline or on the right side so that the left side fillet can be removed intact at the laboratory. If filleting is specified, the procedure for taking a standard fillet (SOP PREPLAB 4) must be followed, including removing scales.

H. Special procedures for PFAS: Unlike legacy contaminants such as PCBs, which are rarely found in day to day life, PFAS are widely used and frequently encountered. Practices that avoid sample contamination are therefore necessary. While no standard practices have been established for fish, procedures for water quality sampling can provide guidance. The following practices should be used for collections when fish are to be analyzed for PFAS:

No materials containing Teflon.
No Post-it notes.
No ice packs; only water ice or dry ice.
Any gloves worn must be powder free nitrile.
No Gore-Tex or similar materials (Gore-Tex is a PFC with PFOA used in its manufacture).
No stain repellent or waterproof treated clothing; these are likely to contain PFCs.
Avoid plastic materials, other than HDPE, including clipboards and waterproof notebooks.
Wash hands after handling any food containers or packages as these may contain PFCs.
Keep pre-wrapped food containers and wrappers isolated from fish handling.
Wear clothing washed at least six times since purchase.
Wear clothing washed without fabric softener.
Staff should avoid cosmetics, moisturizers, hand creams and similar products on the day of sampling as many of these products contain PFCs (Fujii et al. 2013). Sunscreen or insect repellent should not contain ingredients with “fluor” in their name. Apply any sunscreen or insect repellent well downwind from all materials. Hands must be washed after touching any of these products.

I. All fish must be kept at a temperature <45° F (<8° C) immediately following data processing. As soon as possible, freeze at -20° C ± 5° C. Due to occasional freezer failures, daily freezer temperature logs are required. The freezer should be locked or otherwise secured to maintain chain of custody.

J. In most cases, samples should be delivered to the Analytical Services Unit at the Hale Creek field station. Coordinate delivery with field station staff and send copies of the collection records, continuity of evidence forms and freezer temperature logs to the field station. For samples to be analyzed elsewhere, non-routine collections or other questions, contact Wayne Richter, Bureau of Ecosystem Health, NYSDEC, 625 Broadway, Albany, New York 12233-4756, 518-402-8974, or the project leader about sample transfer. Samples will then be directed to the analytical facility and personnel noted on specific project descriptions.

K. A recommended equipment list is at the end of this document.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF FISH AND WILDLIFE
FISH COLLECTION RECORD

Project and Site Name _____ DEC Region _____

Collections made by (include all crew) _____

Sampling Method: □Electrofishing □Gill netting □Trap netting □Trawling □Seining □Angling □Other _____

Preservation Method: □Freezing □Other _____ Notes (SWFDB survey number): _____

FOR LAB USE ONLY- LAB ENTRY NO.	COLLECTION OR TAG NO.	SPECIES	DATE TAKEN	LOCATION	AGE	SEX &/OR REPROD. CONDIT	LENGTH ( )	WEIGHT ( )	REMARKS

richter: revised 2011, 5/7/15, 10/4/16, 3/20/17; becker: 3/23/17, 4/26/19

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CHAIN OF CUSTODY

I, _____, of _____ collected the
(Print Name) (Print Business Address)

following on _____, 20____ from _____
(Date) (Water Body)

in the vicinity of _____
(Landmark, Village, Road, etc.)

Town of _____, in _____ County.

Item(s) _____

_____

Said sample(s) were in my possession and handled according to standard procedures provided to me prior to collection. The sample(s) were placed in the custody of a representative of the New York State Department of Environmental Conservation on _____, 20_____.

_____ _____
Signature Date

I, _____, received the above mentioned sample(s) on the date specified and assigned identification number(s) _____ to the sample(s). I have recorded pertinent data for the sample(s) on the attached collection records. The sample(s) remained in my custody until subsequently transferred, prepared or shipped at times and on dates as attested to below.

_____ _____
Signature Date

SECOND RECIPIENT (Print Name)	TIME & DATE	PURPOSE OF TRANSFER
SIGNATURE	UNIT	
THIRD RECIPIENT (Print Name)	TIME & DATE	PURPOSE OF TRANSFER
SIGNATURE	UNIT	
FOURTH RECIPIENT (Print Name)	TIME & DATE	PURPOSE OF TRANSFER
SIGNATURE	UNIT	
RECEIVED IN LABORATORY BY (Print Name)	TIME & DATE	REMARKS
SIGNATURE	UNIT	
LOGGED IN BY (Print Name)	TIME & DATE	ACCESSION NUMBERS
SIGNATURE	UNIT	

richter: revised 21 April 2014; becker: 23 March 2017, 26 April, 2019

NOTICE OF WARRANTY

By signature to the chain of custody (reverse), the signatory warrants that the information provided is truthful and accurate to the best of his/her ability. The signatory affirms that he/she is willing to testify to those facts provided and the circumstances surrounding the same. Nothing in this warranty or chain of custody negates responsibility nor liability of the signatories for the truthfulness and accuracy of the statements provided.

HANDLING INSTRUCTIONS

On day of collection, collector(s) name(s), address(es), date, geographic location of capture (attach a copy of topographic map or navigation chart), species, number kept of each species, and description of capture vicinity (proper noun, if possible) along with name of Town and County must be indicated on reverse.

Retain organisms in manila tagged plastic bags to avoid mixing capture locations. Note appropriate information on each bag tag.

Keep samples as cool as possible. Put on ice if fish cannot be frozen within 12 hours. If fish are held more than 24 hours without freezing, they will not be retained or analyzed.

Initial recipient (either DEC or designated agent) of samples from collector(s) is responsible for obtaining and recording information on the collection record forms which will accompany the chain of custody. This person will seal the container using packing tape and writing his signature, the time and the date across the tape onto the container with indelible marker. Any time a seal is broken, for whatever purpose, the incident must be recorded on the Chain of Custody (reason, time, and date) in the purpose of transfer block. Container then is resealed using new tape and rewriting signature, with time and date.

EQUIPMENT LIST

Scale or balance of appropriate capacity for the fish to be collected.

Fish measuring board.

Plastic bags of an appropriate size for the fish to be collected and for site bags.

Individually numbered metal tags for fish.

Manila tags to label bags.

Small envelops, approximately 2” x 3.5”, if fish scales are to be collected.

Knife for removing scales.

Chain of custody and fish collection forms.

Clipboard.

Pens or markers.

Paper towels.

Dish soap and brush.

Bucket.

Cooler.

Ice.

Duct tape.

Appendix G – PFAS Analyte List

Group	Chemical Name	Abbreviation	CAS Number
Perfluoroalkyl sulfonic acids	Perfluorobutanesulfonic acid	PFBS	375-73-5
	Perfluoropentanesulfonic acid	PFPeS	2706-91-4
	Perfluorohexanesulfonic acid	PFHxS	355-46-4
	Perfluoroheptanesulfonic acid	PFHpS	375-92-8
	Perfluorooctanesulfonic acid	PFOS	1763-23-1
	Perfluorononanesulfonic acid	PFNS	68259-12-1
	Perfluorodecanesulfonic acid	PFDS	335-77-3
	Perfluorododecanesulfonic acid	PFDoS	79780-39-5
Perfluoroalkyl carboxylic acids	Perfluorobutanoic acid	PFBA	375-22-4
	Perfluoropentanoic acid	PFPeA	2706-90-3
	Perfluorohexanoic acid	PFHxA	307-24-4
	Perfluoroheptanoic acid	PFHpA	375-85-9
	Perfluorooctanoic acid	PFOA	335-67-1
	Perfluorononanoic acid	PFNA	375-95-1
	Perfluorodecanoic acid	PFDA	335-76-2
	Perfluoroundecanoic acid	PFUnA	2058-94-8
	Perfluorododecanoic acid	PFDoA	307-55-1
	Perfluorotridecanoic acid	PFTrDA	72629-94-8
	Perfluorotetradecanoic acid	PFTeDA	376-06-7
Per- and Polyfluoroether carboxylic acids	Hexafluoropropylene oxide dimer acid	HFPO-DA	13252-13-6
	4,8-Dioxa-3H-perfluorononanoic acid	ADONA	919005-14-4
	Perfluoro-3-methoxypropanoic acid	PFMPA	377-73-1
	Perfluoro-4-methoxybutanoic acid	PFMBA	863090-89-5
	Nonafluoro-3,6-dioxaheptanoic acid	NFDHA	151772-58-6
Fluorotelomer sulfonic acids	4:2 Fluorotelomer sulfonic acid	4:2-FTS	757124-72-4
	6:2 Fluorotelomer sulfonic acid	6:2-FTS	27619-97-2
	8:2 Fluorotelomer sulfonic acid	8:2-FTS	39108-34-4
Fluorotelomer carboxylic acids	3:3 Fluorotelomer carboxylic acid	3:3 FTCA	356-02-5
	5:3 Fluorotelomer carboxylic acid	5:3 FTCA	914637-49-3
	7:3 Fluorotelomer carboxylic acid	7:3 FTCA	812-70-4
Perfluorooctane sulfonamides	Perfluorooctane sulfonamide	PFOSA	754-91-6
	N-methylperfluorooctane sulfonamide	NMeFOSA	31506-32-8
	N-ethylperfluorooctane sulfonamide	NEtFOSA	4151-50-2
Perfluorooctane sulfonamidoacetic acids	N-methylperfluorooctane sulfonamidoacetic acid	N-MeFOSAA	2355-31-9
	N-ethylperfluorooctane sulfonamidoacetic acid	N-EtFOSAA	2991-50-6
Perfluorooctane sulfonamide ethanols	N-methylperfluorooctane sulfonamidoethanol	MeFOSE	24448-09-7
	N-ethylperfluorooctane sulfonamidoethanol	EtFOSE	1691-99-2

Group	Chemical Name	Abbreviation	CAS Number
Ether sulfonic acids	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (F-53B Major)	9Cl-PF3ONS	756426-58-1
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (F-53B Minor)	11Cl-PF3OUdS	763051-92-9
	Perfluoro(2-ethoxyethane) sulfonic acid	PFEESA	113507-82-7

Appendix H - Data Review Guidelines for Analysis of PFAS in Non-Potable Water and Solids

General

These guidelines are intended to be used for the validation of PFAS using EPA Method 1633 for projects within the Division of Environmental Remediation (DER). Data reviewers should understand the methodology and techniques utilized in the analysis. Consultation with the end user of the data may be necessary to assist in determining data usability based on the data quality objectives in the Quality Assurance Project Plan. A familiarity with the laboratory's Standard Operating Procedure may also be needed to fully evaluate the data. If you have any questions, please contact DER's Quality Assurance Officer, Dana Barbarossa, at dana.barbarossa@dec.ny.gov.

Preservation and Holding Time

Samples should be preserved with ice to a temperature of less than 6°C upon arrival at the lab. The holding time is 28 days to extraction for aqueous and solid samples. The time from extraction to analysis for aqueous samples is 28 days and 40 days for solids.

Temperature greatly exceeds 6ºC upon arrival at the lab*	Use professional judgement to qualify detects and non-detects as estimated or rejected
Holding time exceeding 28 days to extraction	Use professional judgement to qualify detects and non-detects as estimated or rejected if holding time is grossly exceeded

*Samples that are delivered to the lab immediately after sampling may not meet the thermal preservation guidelines. Samples are considered acceptable if they arrive on ice or an attempt to chill the samples is observed.

Initial Calibration

The initial calibration should contain a minimum of six standards for linear fit and six standards for a quadratic fit. The relative standard deviation (RSD) for a quadratic fit calibration should be less than 20%.

The low-level calibration standard should be within 50% - 150% of the true value, and the mid-level calibration standard within 70% - 130% of the true value.

%RSD >20%	J flag detects and UJ non detects

Continuing Calibration Verification

Continuing calibration verification (CCV) checks should be analyzed at a frequency of one per ten field samples. If CCV recovery is very low, where detection of the analyte could be in question, ensure a low level CCV was analyzed and use to determine data quality.

CCV recovery <70 or >130%	J flag results

Blanks

There should be no detections in the method blanks above the reporting limits. Equipment blanks, field blanks, rinse blanks etc. should be evaluated in the same manner as method blanks. Use the most contaminated blank to evaluate the sample results.

Blank Result	Sample Result	Qualification
Any detection	<Reporting limit	Qualify as ND at reporting limit
Any detection	>Reporting Limit and >10x the blank result	No qualification
>Reporting limit	>Reporting limit and <10x blank result	J+ biased high

Field Duplicates

A blind field duplicate should be collected at rate of one per twenty samples. The relative percent difference (RPD) should be less than 30% for analyte concentrations greater than two times the reporting limit. Use the higher result for final reporting.

RPD >30%	Apply J qualifier to parent sample

Lab Control Spike

Lab control spikes should be analyzed with each extraction batch or one for every twenty samples. In the absence of lab derived criteria, use 70% - 130% recovery criteria to evaluate the data.

Recovery <70% or >130% (lab derived criteria can also be used)	Apply J qualifier to detects and UJ qualifier to non detects

Matrix Spike/Matrix Spike Duplicate

One matrix spike and matrix spike duplicate should be collected at a rate of one per twenty samples. Use professional judgement to reject results based on out of control MS/MSD recoveries.

Recovery <70% or >130% (lab derived criteria can also be used)	Apply J qualifier to detects and UJ qualifier to non detects of parent sample only
RPD >30%	Apply J qualifier to detects and UJ qualifier to non detects of parent sample only

Extracted Internal Standards (Isotope Dilution Analytes)

Problematic analytes (e.g. PFBA, PFPeA, fluorotelomer sulfonates) can have wider recoveries without qualification. Qualify corresponding native compounds with a J flag if outside of the range.

Recovery <50% or >150%	Apply J qualifier
Recovery <25% or >150% for poor responding analytes	Apply J qualifier
Isotope Dilution Analyte (IDA) Recovery <10%	Reject results

Signal to Noise Ratio

The signal to noise ratio for the quantifier ion should be at least 3:1. If the ratio is less than 3:1, the peak is discernable from the baseline noise and symmetrical, the result can be reported. If the peak appears to be baseline noise and/or the shape is irregular, qualify the result as tentatively identified.

Reporting Limits

If project-specific reporting limits were not met, please indicate that in the report along with the reason (e.g. over dilution, dilution for non-target analytes, high sediment in aqueous samples).

Peak Integrations

Target analyte peaks should be integrated properly and consistently when compared to standards. Ensure branched isomer peaks are included for PFAS where standards are available. Inconsistencies should be brought to the attention of the laboratory or identified in the data review summary report.

APPENDIX E
Health and Safety Plan

HALEY & ALDRICH, INC.
SITE-SPECIFIC SAFETY PLAN

FOR

374 Wallabout Street

374 Wallabout Street, Brooklyn, New York

Project/File No. 0205892-000

Gensuite EZ Scan®
BI - Developers

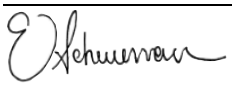
Prepared By: Zavier Richards	**Date: 12/23/2024**
Approvals: The following signatures constitute approval of this Health & Safety Plan.	
	
Field Safety Manager: Luke J. McCartney	**Date: 12/23/2024**
	
Project Manager: Elizabeth Scheuerman	**Date: 12/23/2024**
HASP Valid Through: 12/31/2024	

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Note: This HASP has been developed for Haley & Aldrich purposes only and is not for use by others.

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Note: This HASP is developed for Haley & Aldrich purposes only and not for use by others.

STOP WORK AUTHORITY

In accordance with Haley & Aldrich (Haley & Aldrich) Stop Work Authority Operating Procedure (OP1035), any individual has the right to refuse to perform work that he or she believes to be unsafe without fear of retaliation. He or she also has the authority, obligation, and responsibility to stop others from working in an unsafe manner.

STOP Work Authority is the stop work policy for all personnel and subcontractors on the Site. When work has been stopped due to an unsafe condition, Haley & Aldrich site management (e.g., Project Manager [PM], Site Health & Safety Officer [SHSO], etc.) and the Haley & Aldrich Senior Project Manager (SPM) will be notified immediately.

Reasons for issuing a stop work order include, but are not limited to:

- The belief/perception that injury to personnel or accident causing significant damage to property or equipment is imminent.
- An Haley & Aldrich subcontractor is in breach of site safety requirements and/or their own site HASP.
- Identifying a substandard condition (e.g., severe weather) or activity that creates an unacceptable safety risk as determined by a qualified person.

Work will not resume until the unsafe act has been stopped OR sufficient safety precautions have been taken to remove or mitigate the risk to an acceptable degree. Stop work orders will be documented as part of an on-site stop work log, on daily field reports to include the activity/activities stopped, the duration, person stopping work, person in-charge of stopped activity/activities, and the corrective action agreed to and/or taken. Once work has been stopped, only the Haley & Aldrich SPM or SHSO can give the order to resume work. Haley & Aldrich senior management is committed to support anyone who exercises his or her “Stop Work” authority.

Note: This HASP has been developed for Haley & Aldrich purposes only and is not for use by others.

ISSUANCE AND COMPLIANCE

This HASP has been prepared in accordance with Occupational Safety and Health Administration (OSHA) regulations (CFR 29, Parts 1904, 1910, and 1926) if such are applicable.

The specific requirements of this HASP include precautions for hazards that exist during this project and may be revised as new information is received or as site conditions change.

- This HASP must be signed by all Haley & Aldrich personnel involved in implementation of the SOW (Section 2 of this HASP).
- This HASP, or a current signed copy, must be retained at all times when Haley & Aldrich staff are present.
- Revisions to this HASP must be outlined within the contents of the HASP. If immediate or minor changes are necessary, the Field Safety Manager (FSM), Haley & Aldrich, SSO and/or Project Manager (PM) may use Attachment 1 (HASP Amendment Form), presented at the end of this HASP. Any revision to the HASP requires employees and subcontractors to be informed of the changes so that they understand the requirements of the change.
- Deviations from this HASP are permitted with approval from the Haley & Aldrich FSM, PM, or Senior Health & Safety Manager (SHSM). Unauthorized deviations may constitute a violation of Haley & Aldrich company procedures/policies and may result in disciplinary action.
- This HASP will be relied upon by Haley & Aldrich's subcontractors and visitors to the site. Haley & Aldrich's subcontractors must have their own HASP which will address hazards specific to their trade that is not included in this HASP. This HASP will be made available for review to Haley & Aldrich's subcontractors and other interested parties (e.g. Facility personnel and regulatory agencies) to ensure that Haley & Aldrich has properly informed our subcontractors and others of the potential hazards associated with the implementation of the SOW to the extent that Haley &Aldrich is aware.

This site-specific HASP provides only site-specific descriptions and work procedures. General safety and health compliance programs in support of this HASP (e.g., injury reporting, medical surveillance, personal protective equipment (PPE) selection, etc.) are described in detail in the Haley &Aldrich Corporate Health and Safety Program Manual and within Haley & Aldrich's Standard Operating Procedures Both the manual and SOPs can be located on the Haley & Aldrich's Company Intranet. When appropriate, users of this HASP should always refer to these resources and incorporate to the extent possible. The manual and SOPs are available to clients and regulators upon request.

Note: This HASP is developed for Haley & Aldrich purposes only and not for use by others.

EMERGENCY EVENT PROCEDURES

1 - ASSESS THE SCENE

- **STOP WORK**
- Review the situation and ascertain if it's safe to enter the area.
- Evacuate the site if the conditions are unsafe.

2 - EVALUATE THE EMERGENCY

- **Call 911, or designated emergency number, if required.**
- **Provide first aid for the victim if qualified and safe to do so.**
  - First aid will be addressed using the onsite first aid kit. *
    - If providing first aid, remember to use proper first aid universal precautions if blood or bodily fluids are present.
- **If exposure to hazardous substance is suspected, immediately vacate the contaminated area.**
  - Remove any contaminated clothing and/or equipment.
  - Wash any affected dermal/ocular area(s) with water for at least 15 minutes.
  - Seek immediate medical assistance if any exposure symptoms are present.

** Note: Haley & Aldrich employees are not required or expected to administer first aid / CPR to any Haley & Aldrich staff member, Contractor, or Civilian personnel at any time; it is Haley & Aldrich´s position that those who do are doing so on their own behalf and not as a function of their job.*

3 - SECURE THE AREA

- **Cordon off the incident area, if possible.**
  - Notify any security personnel, if required.
  - Escort all non-essential personnel out of the area, if able.

4 - REPORT ON-SITE ACCIDENTS / INCIDENTS TO PM / SSO

- **Notify the PM and SSO as soon as it is safe to do so.**
  - Assist PM and SSO in completing any additional tasks, as required.

5 - INVESTIGATE / REPORT THE INCIDENT

- **Record details of the incident for input to the Gensuite.**
  - Complete any additional forms as requested by the PM and SSO.

6 - TAKE CORRECTIVE ACTION

- **Implement corrective actions per the PM following root cause analysis.**
  - Complete Lessons Learned form.

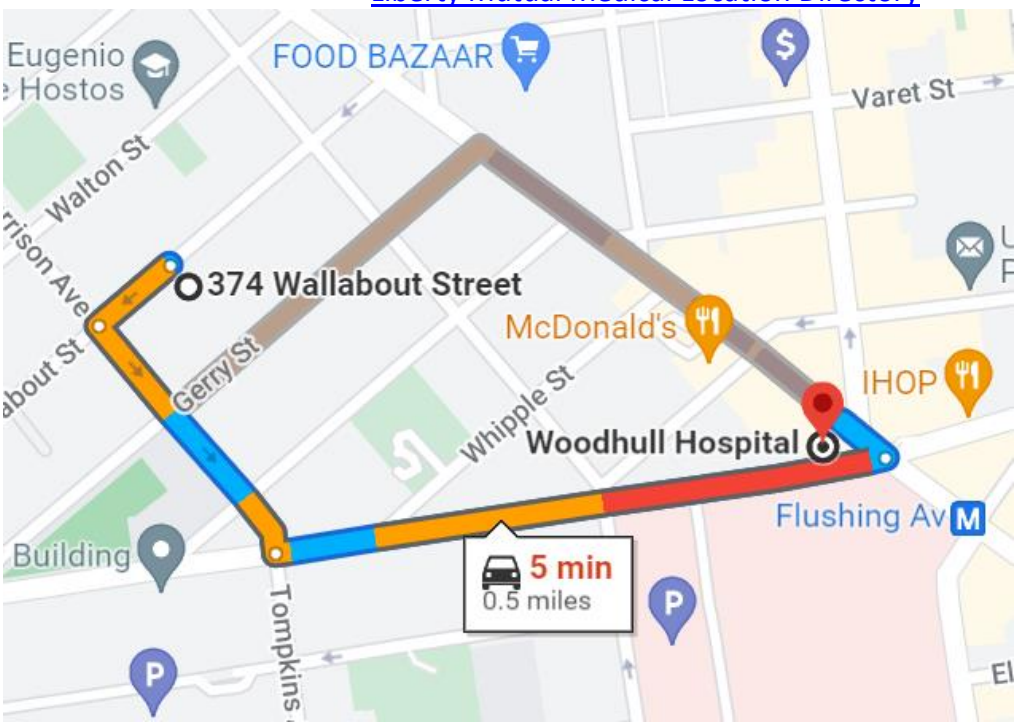
Note: This HASP is developed for Haley & Aldrich purposes only and not for use by others.

PROJECT INFORMATION AND CONTACTS	
Project Name: 374 Wallabout Street	**Haley & Aldrich File No.:** 0205892-000
Location:	
Client/Site Contact: Phone Number:	Joel Fried 718.288.4695
Haley & Aldrich Field Representative: Phone Number: Emergency Phone Number:	Zavier Richards 929.696.2279 347.353.7989
Haley & Aldrich Project Manager: Phone Number: Emergency Phone Number:	**Elizabeth Scheuerman** 646.277.5692 201.978.7871
Field Safety Manager: Phone Number: Emergency Phone Number:	Ferguson, Brian 617.886.7439 617.908.2761
Subcontractor Project Manager: Phone Number:	Lakewood Environmental Services Corp. 631.257.5321
Nearest Hospital: Address: (see map on next page) Phone Number:	Woodhull Hospital 760 Broadway Brooklyn, NY 11206 718.963.8000
Nearest Occ. Health Clinic: http://www.talispoint.com/liberty/ext/ Address: (see map on next page) Phone Number:	CityMD Broadway Triangle Urgent Care - Brooklyn 21 Graham Avenue Brooklyn, NY 11206 718.571.9280
Liberty Mutual Claim Policy	**WC6Z11254100033**
Work Care Injury and Illness HOTLINE	**1-888-449-7787**
Emergency Response Number:	**911**
Other Local Emergency Response Number:	N/A
Other Ambulance, Fire, Police, or Environmental Emergency Resources:	FDNY Engine 230 701 Park Avenue, Brooklyn NY 11206

Note: This HASP is developed for Haley & Aldrich purposes only and not for use by others.

DIRECTIONS TO THE NEAREST HOSPITAL

Liberty Mutual Medical Location Directory



Directions to the Nearest Hospital:

374 Wallabout St
Brooklyn, NY 11206

↑ Head southwest on Wallabout St toward Harrison Ave

223 ft

↰ Turn left at the 1st cross street onto Harrison Ave

0.1 mi

↰ Turn left onto Flushing Ave

0.3 mi

↰ Turn left onto Broadway
ⓘ Destination will be on the left

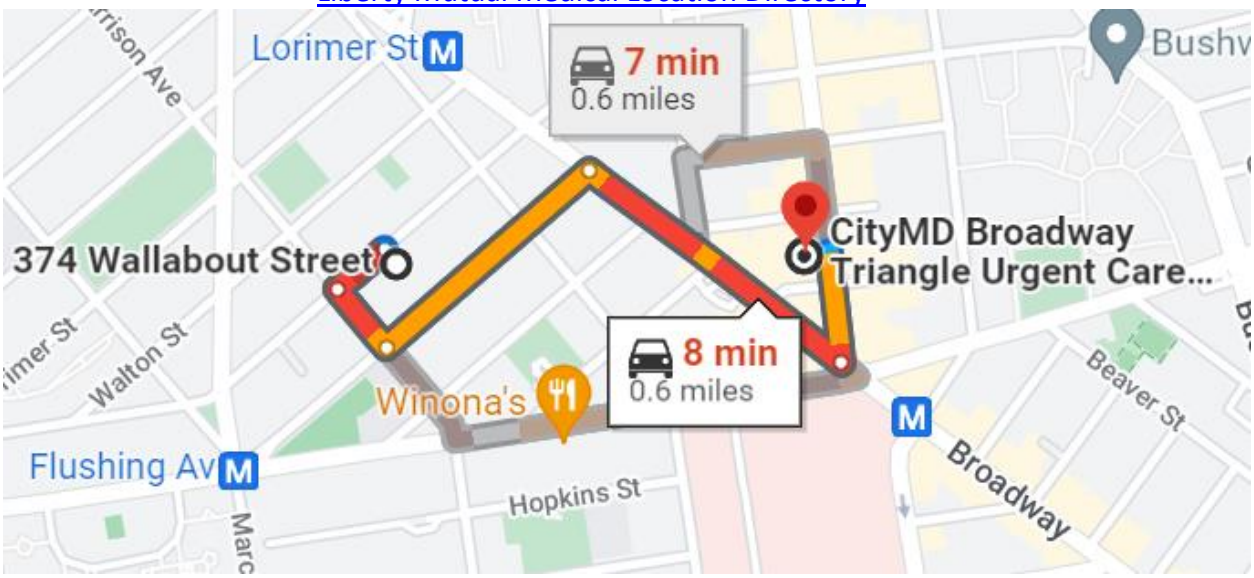
135 ft

Woodhull Hospital
760 Broadway, Brooklyn, NY 11206

Note: This HASP is developed for Haley & Aldrich purposes only and not for use by others.

DIRECTIONS TO THE NEAREST URGENT CARE

[Liberty Mutual Medical Location Directory]



Directions to the Nearest Occupational Clinic:

374 Wallabout St
Brooklyn, NY 11206

- Head southwest on Wallabout St toward Harrison Ave
  223 ft
- Turn left at the 1st cross street onto Harrison Ave
  276 ft
- Turn left at the 1st cross street onto Gerry St
  0.2 mi
- Turn right onto Broadway
  Pass by McDonald's (on the right)
  0.2 mi
- Turn left onto Graham Ave/Ave of Puerto Rico
  Destination will be on the left
  400 ft

CityMD Broadway Triangle Urgent Care - Brooklyn
21 Graham Ave, Brooklyn, NY 11206

Note: This HASP is developed for Haley & Aldrich purposes only and not for use by others.

1. WORK SCOPE

This Site-Specific Health and Safety Plan addresses the health and safety practices and procedures that will be exercised by all Haley & Aldrich employees participating in all work on the Project Site. This plan is based on an assessment of the site-specific health and safety risks available to Haley & Aldrich and Haley & Aldrich's experience with other similar project sites. The scope of work includes the following:

Enter a complete description of the project work scope and breakdown the types of activities involved. For construction monitoring projects, specify the types of field control activities to be performed. Summarize general work activities and testing, sampling and handling requirements and intensity of contact with site media.)

Project Task Breakdown

Task No.	Task Description	Employee(s) Assigned	Work Date(s) or Duration
1	GPR Survey	Zavier Richards	1 Day
2	Drilling	Zavier Richards	1 Week
3	Soil, Soil Vapor & Groundwater Sampling	Zavier Richards	1 Week

Subcontractor(s) Tasks

Firm Name	Work Activity	Work Date(s) or Duration
NOVA	GPR Survey	1 Day
Lakewood Environmental Services Corp.	Drilling	1 Week

Projected Start Date: 1/1/2024
January 2025

Projected Completion Date: 1/31/2025

Note: This HASP has been developed for Haley & Aldrich purposes only and is not for use by others.

1/1/2024

2. SITE OVERVIEW / DESCRIPTION

Site Classification

Commercial

Site Description

Currently, the Site is improved with a three-story residential building that includes a cellar level and an open courtyard in the southern region. The Site is located within an urban area characterized by multi-story commercial and residential buildings. The Site is currently owned by Joel Fried. Mr. Fried plans to redevelop the Site with a 4-story residential building with a cellar, consistent with current zoning.

Background and Historic Site Usage

Based on a Phase I Environmental Site Assessment prepared by Haley & Aldrich of New York in August 2022, the Site was developed as early as the late 1880s. In the late 1880s, the Site was improved with a three-story residential building in the northern region of the Site along Wallabout Street, and a two-story dwelling in the southern region. By 1935, the dwelling in the southern region of the Site is no longer identified in historical records. The three-story residential building has remained until the present.

The plan for redevelopment includes a 4-story residential building which will extend approximately 14 feet to the southeast of the current building footprint. The plans include a one level cellar requiring remedial excavations extending to up to approximately 12 feet below ground surface (ft bgs).

Site Status

Indicate current activity status and describe operations at the site:

Active

Describe Current Operations

Site Plan

Is a site plan or sketch available? Yes

Work Areas

List and identify each specific work areas(s) on the job site and indicate its location(s) on the site plan:

Enter work area description

Note: This HASP is developed for Haley & Aldrich purposes only and not for use by others.

Site Plan



Note: This HASP has been developed for Haley & Aldrich purposes only and is not for use by others.

3. HAZARD ASSESSMENT

Indicate all hazards that may be present at the site and for each task. If any of these potential hazards are checked, it is the Project Manager's responsibility to determine how to eliminate / minimize the hazard to protect onsite personnel.

Site Chemical Hazards

Is this Site impacted with chemical contamination? Yes

Source of information about contaminants: Previous Investigation

Contaminant of Concern	Location/Media	Concentration	Units
Volatile Organic Compounds (VOCs)	**Soil**	**Unknown**	**mg/kg**
Metals	**Soil**	**Unknown**	**mg/kg**
SVOCs	**Soil**	**Unknown**	**mg/kg**
CVOCs	**Groundwater**	**Unknown**	**mg/L**

VOCs: include all organic compounds (substances made up of predominantly carbon and hydrogen) with boiling temperatures in the range of 50-260 degrees C, excluding pesticides. This means that they are likely to be present as a vapor or gas in normal ambient temperatures. Substances which are included in the VOC category include aliphatic hydrocarbons (such as hexane), aldehydes, aromatic hydrocarbons (such as benzene, toluene, and the xylenes or BTEX), and oxygenated compounds (such as acetone and similar ketones). The term VOC often is used in a legal or regulatory context and in such cases the precise definition is a matter of law.

VOCs are released from oil and gasoline refining, storage and combustion as well as from a wide range of industrial processes. Processes involving fuels, solvents, paints or the use of chemicals are the most significant sources. VOCs may also be emitted from cleaning products, degreasing products, fabrics, carpets, plastic products, glues, printed material, varnishes, wax, disinfectants, and cosmetics.

Typically, VOCs are present in gas or vapor and will enter the body by breathing contaminated air. Higher concentrations of VOCs may occur in areas of poor ventilation.

Site Hazards Checklist

Weather

High Winds	Cold Temperatures	Select Hazard	Select Hazard

High Winds

While high winds are commonly associated with severe thunderstorms and hurricanes they may also

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occur as a result of differences in air pressures, such as when a cold front passes across the area. They can cause downed trees and power lines, and flying debris (such as dust or larger debris), which adds additional risks and could lead to power outages, transportation disruptions, damage to buildings and vehicles, and serious injury.

Wind Advisory are issued for sustained winds 25 to 39 mph and/or gusts to 57 mph. High Wind warnings are issued by the National Weather Service when high wind speeds may pose a hazard or is life threatening. The criteria for this warning will varies by state. The Beaufort Wind Scale is a helpful tool to when dealing with high winds.

Cold Temperatures

Cold stress may occur at any time work is being performed at low ambient temperatures and high velocity winds. Because cold stress is common and has potentially serious illnesses associated with outdoor work during cold seasons, regular monitoring and other preventative measures are vital.

Refer to OP1003-Cold Stress for additional information and mitigation controls.

Biological			
Mosquitoes	Stinging Insects	Small Mammals	Choose an item.

Mosquitos

Work outdoors with temperatures above freezing will likely bring staff into contact with mosquitos. There are a variety of mosquito species that can transmit a range of diseases. Birds act as reservoirs for the viruses that can be collected by the mosquito and transmitted to a person. Majority of mosquitos are mainly a nuisance but staff need to take appropriate precautions to minimize the potential transmission of a virus that can result in one of the following diseases: West Nile, Eastern Equine Encephalitides and Western Encephalitides. Knowing some key steps that can minimize the risk of mosquito bites is, therefore, important in reducing the risks. Workers working outdoors should be aware that the use of PPE techniques is essential to preventing mosquito bites especially when working at sites where mosquitoes may be active and biting.

Use repellents containing DEET, picaridin, IR3535, and some oil of lemon eucalyptus and para-menthane-diol products provide longer-lasting protection. To optimize safety and effectiveness, repellents should be used according to the label instructions. Cover as much of your skin as possible by wearing shirts with long-sleeves, long pants, and socks whenever possible. Avoid use of perfumes and colognes when working outdoors during peak times when mosquitoes may be active; mosquitoes may be more attracted to individuals wearing perfumes and colognes.

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Stinging Insects

Stinging Insects fall into two major groups: Apidae (honeybees and bumblebees) and vespids (wasps, yellow jackets, and hornets). Apidae are docile and usually do not sting unless provoked. The stinger of the honeybee has multiple barbs, which usually detach after a sting. Vespids have few barbs and can inflict multiple stings.

There are several kinds of stinging insects that might be encountered on the project site. Most stings will only result in a temporary injury. However, sometimes the effects can be more severe, even life-threatening depending on where you are stung and what allergies you have. Being stung in the throat area of the neck may cause edema (swelling caused by fluid build-up in the tissues) around the throat and may make breathing difficult.

In rare cases, a severe allergic reaction can occur. This can cause "anaphylaxis" or anaphylactic shock with symptoms appearing immediately or up to 30 minutes later. Symptoms include; Hives, itching and swelling in areas other than the sting site, swollen eyes/eyelids, wheezing, chest tightness, difficulty breathing, hoarse voice, swelling of the tongue, dizziness or sharp drop in blood pressure, shock, unconsciousness or cardiac arrest. Reactions can occur the first time you are stung or with subsequent stings. If you see any signs of reaction, or are unsure, call or have a co-worker call emergency medical services (e.g., 911) right away. Get medical help for stings near the eyes, nose or throat. Stay with the person who has been stung to monitor their reaction.

Staff who are allergic to bee stings are encouraged to inform their staff/project manager. If staff member carries an Epi-pen (i.e., epinephrine autoinjector) they are encouraged to inform their colleagues in case they are stung and are incapable of administering the injection. Examine site for any signs of activity or a hive/nest. If you see several insects flying around, see if they are entering/exiting from the same place. Most will not sting unless startled or attacked. Do not swat, let insects fly away on their own. If you must, walk away slowly or gently "blow" them away. If a nest is disturbed and you hear "wild" buzzing, protect your face with your hands and run from the area immediately. Wear long sleeves, long pants, and closed-toed boots. Wear light colored clothes such as khakis. Avoid brightly colored, patterned, or black clothing. Tie back long hair to avoid bees or wasps from entanglement. Do not wear perfumes, colognes or scented soaps as they contain fragrances that are attractive. If bee or wasp is found in your car, stop and leave windows open.

Small Mammals

Rodents, are the most abundant order of mammals. There are hundreds of species of rats; the most common are the black and brown rat. Other rodents you may encounter are mice, beavers, squirrels, guinea pigs, capybaras and coypu.

The Brown Rat has small ears, blunt nose, and short hair. It is approximately 14-18” long (with tail). They frequently infest garbage/rubbish, slaughterhouses, domestic dwellings, warehouses, and supermarkets. They also frequent any space with an easy meal and potential nesting sites. The Black Rat is identified by its tail, that is always longer than the length from the head to the body. It is also slimmer and more agile than the Brown rat. Its size varies according to its environment and food supply.

The House Mouse has the amazing ability to adapt and can frequently be found in human dwellings. In

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buildings, mice will live anywhere and difficult to keep out. Mice are omnivorous, they will eat anything. Rats and mice often become a serious problem in cold winter months when they seek food and warmth inside buildings. They may suddenly appear in large numbers when excavation work disturbs their in-ground nesting locations or their food source is changed.

Some major problems caused by rats and mice are contaminating the food they eat with urine and excrement. Gnawing into materials such as paper, wood, or upholstery, to use as nest material. Also gnawing plastic, cement, soft metals such as lead and aluminum, and wiring, which may cause a fire hazard. Occasionally biting people and may kill small animals. They, or the parasites they carry, like fleas, mites and worms, spread many diseases such as salmonella, trichinosis, rat bite fever, hantavirus, Weil's disease, and bubonic plague. They damage ornamental plants by burrowing among the roots or feeding on new growth. They also eat garden vegetables, such as corn and squash. These rodents have been a problem for centuries, because of their incredible ability to survive and are so difficult to eliminate. In addition, they are extremely compatible with human behavior and needs.

Avoid contact with rodents, if possible. Avoid contact with rodent excrement. Do not eat food or water that may have encountered rodent excrement. If exposed, wash hands and avoid touching your face with your hands.

Location/Terrain			
Slip/Trip/Falls	SIMOPS	Choose an item.	Choose an item.

Slips, Trips & Falls

Slip and trip injuries are the most frequent injuries to workers. Statistics show most falls happen on the same level resulting from slips and trips. Both slips and trips result from unintended or unexpected change in the contact between the feet and the ground or walking surface. Good housekeeping, quality of walking surfaces (flooring), awareness of surroundings, selection of proper footwear, and appropriate pace of walking are critical for preventing fall accidents.

Site workers will be walking on a variety of irregular surfaces, that may affect their balance. Extra care must be taken to walk cautiously near rivers because the bottom of the riverbed maybe slick and may not be visible. Rocks, gradient changes, sandy bottoms, and debris may be present but not observable.

Take your time and pay attention to where you are going. Adjust your stride to a pace that is suitable for the walking surface and the tasks you are doing. Check the work area to identify hazards - beware of trip hazards such as wet floors, slippery floors, and uneven surfaces or terrain. Establish and utilize a pathway free of slip and trip hazards. Choose a safer walking route. Carry loads you can see over. Keep work areas clean and free of clutter. Communicate hazards to on-site personnel and remove hazards as appropriate.

SIMOPS

SIMOPS are described as the potential class of activities which could bring about an undesired event or set of circumstances, e.g., safety, environment, damage to assets, schedule, commercial, financial, etc.

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SIMOPS are defined as performing two or more operations concurrently.

SIMOPS should be identified at an early stage before operations commence to understand issues such as schedule and physical clashes, maintenance activities, failure impacts, interferences between vessels, contracts and third part interfaces and environmental impacts.

Coordinate project with site activities. Identify and understand the hazards associated with the host and client's activities. Integrate site emergency response protocols where appropriate and communicate to all project staff. Integrate site communication protocols and communicate to all project staff.

Miscellaneous			
Extended Shift	Choose an item.	Choose an item.	Choose an item.

Extended Shift

An extended shift can include extending a workday beyond eight hours. Extended or unusual work shifts may be more stressful physically, mentally, and emotionally. Non-traditional shifts and extended work hours may disrupt the body's regular schedule, leading to increased fatigue, stress, and lack of concentration. This leads to an increased risk of operator error, injuries and/or accidents. The degree to which an individual is exposed to fatigue risk factors depends upon the work schedule. As both the duration of the workday and the number of days worked increase so does the fatigue risk factors. Staff Managers need to be aware of the fatigue risk factors and ensure projects are structured to mitigate these factors. Staff Members also have a responsibility to manage the personal fatigue risk factors that they can control outside of work (e.g, duration and quality of sleep, diet, drugs, and alcohol)

Fatigue is a message to the body to rest and can be eliminated with proper rest. However, if rest is not possible, fatigue can increase and becomes distressing and eventually debilitating. Fatigue symptoms, both mental and physical, vary and depend on the person and degree of overexertion. Examples include: weariness, sleepiness, irritability, reduced alertness, lack of memory, concentration and motivation, increased susceptibility to illness, depression, headache, loss of appetite, and digestive problems.

When possible, managers should limit use of extended shifts and increase the number of days worked. Working shifts longer than 8 hours generally result in reduced productivity and alertness. Additional breaks and meals should be provided when working extended shift periods. Tasks requiring heavy physical labor or intense concentration should be performed at the beginning of the shift if possible. This is an important consideration for pre-emergency planning.

Make efforts, when feasible, to ensure that unavoidable extended work shifts and shift changes allow affected employees time for adequate rest and recovery. Project Managers need to plan to have an adequate number of personnel available to enable workers to take breaks, eat meals, relax, and sleep.

Plan for regular and frequent breaks throughout the work shift. If at remote sites, ensure if possible, that there is a quiet, secluded area designated for rest and recuperation. In addition to formal breaks

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such as lunch or dinner, encourage use of micro breaks to change positions, move about, and shift concentration. Personnel should look to obtain an adequate quantity and quality of sleep.

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Task Hazard Summary

Task 1 – GPR Survey

Surveying presents many challenges regarding safety given that the survey location is typically dynamic and can be at large construction sites, roadways, or in the woods. Before beginning a survey, determine potential hazards that might arise from the natural environment, the public, and the contractor's operations and plan the survey accordingly.

Work on a construction site will expose staff to heavy equipment, SIMOPs, and the hazards associated with the type of construction being conducted. Coordination with the site GC is critical. Work on a road way will expose staff to vehicular traffic and potentially foot traffic. The safety measures employed must be consistent with the MUTCD or equivalent state requirements. Staff need to maintain at least six feet of space between moving traffic and the work area. This includes work on shoulders as well as on the traveled way. Survey at the maximum space possible between moving traffic and the work area. Whenever feasible, each staff member must face moving traffic at all times. If it is not possible to face traffic, a lookout should be used. Work in remote areas may expose staff to wildlife, insects and poor communication. Equipment shall be carried properly so that pinch points are avoided and staff are not overloaded when moving from one location to another.

Use of proper PPE (e.g., High Visibility Vests) is an important component of conducting the work safely. Suspend survey operations when uncontrollable hazards develop. Resume work only when safe working conditions have been restored.

Task 2 – Drilling

Drilling is conducted for a range of services that can include but are not limited to: soil characterization, environmental investigation, well installation, and ore exploration. Familiarity with basic drilling safety is an essential component of all drilling projects. Potential hazards related to drilling operations include, but are not limited to encountering underground or overhead utilities, traffic and heavy equipment, hoisting heavy tools, steel impacts, open rotation entanglement, and the planned or unexpected encountering of toxic or hazardous substances. While staff members do not operate drilling equipment, they may work in close proximity to operating drilling equipment and may be exposed to many of the same hazards as the drilling subcontractor. It is imperative that staff are aware of emergency stops and establish communication protocols with the drillers prior to the start of work.

See OP 1002 Drilling Safety for more information.

Task 3A – Soil Sampling

Soil sampling by H&A staff on active construction sites can be conducted in conjunction with a wide range activities such as building construction, earthwork and soil management related activities. These

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activities can include, but are not limited to: drill spoil characterization and management during building foundation element installation, characterization of excavated soils for management/disposal/reuse during earthwork activities, and as part of environmental remedial activities such as delineation and confirmation sampling. Familiarity with basic heavy construction safety, site conditions (geotechnical and environmental), and potential soil contaminants are essential components of soil sampling performed on active sites. Potential hazards related to soil sampling at construction sites include, but are not limited to: encountering site vehicle traffic and heavy equipment operations, manual lifting, generated waste, contact or exposure to impacted soil, and encountering unknown toxic or hazardous substances. Although soil sampling is commonly performed within active excavations, from stockpiles, or within trench excavations, sampling locations and situations will vary depending on site conditions. Care should be taken while entering and exiting excavations or trenches, and when accessing (climbing up or down) soil stockpiles, ensuring that the sampling area is not being actively accessed by construction equipment. Care should also be taken with handling of potentially environmentally impacted soil during sampling, with appropriate PPE identified and used. At no time during classification activities are personnel to reach for debris near machinery that is in operation, place any samples in their mouth, or come in contact with the soils without the use of gloves. Staff will have to carry and use a variety of sampling tools, equipment, containers, and potentially heavy sample bags. It is imperative that staff are aware of emergency / communication protocols with the Contractor prior to the start of work.

Task 3B – Soil Vapor Sampling

Soil gas sampling is employed as an indirect indicator of contamination in soil or groundwater particularly over and around landfill waste sites, or groundwater plumes. Soil gas sampling points can be installed manually using a slam bar or power driven mechanical devices (e.g., demolition hammer or Geoprobe) may be used based on site conditions (i.e., pavement, frozen ground, very dense clays, etc.). Soil gas samples can be drawn through the probe itself, or through Teflon tubing inserted through the probe and attached to the probe point. Samples are collected and analyzed as described below. Other field air monitoring devices, such as the Combustible Gas Indicator (CGI) and the Organic Vapor Analyzer (OVA), can also be used, depending on specific site conditions.

Because the sample is being drawn from underground, and no contamination is introduced into the breathing zone, soil gas sampling usually occurs in Level D. Nevertheless, ambient air should be constantly monitored to obtain background and breathing zone readings during the sampling procedure in the event the seal around the sampling point is breached. As long as the levels in ambient air do not rise above background, no upgrade of the level of protection is needed. Also, an underground utility search must be performed prior to sampling.

Task 3C – Water Sampling

Environmental water sampling could include activities such as groundwater sampling from permanent or temporary wells, or surface water sampling from streams, rivers, lakes, ponds, lagoons, and surface impoundments.

Sampling tasks could involve uncapping, purging (pumping water out of the well), and sampling, and/or monitoring, new or existing monitoring wells. A mechanical pump may be used to purge the wells and

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can be hand-, gas-, or electric-operated. Water samples taken from the wells are then placed in containers and shipped to an analytical laboratory for analysis. The physical hazards of these operations are primarily associated with the collection methods and procedures used.

When sampling bodies of water containing known or suspected hazardous substances, adequate precautions must be taken to ensure the safety of sampling personnel. The sampling team member collecting the sample should not get too close to the edge, where ground failure or slips, trips or falls may cause him/her to lose his/her balance. The person performing the sampling should have fall restraint or protection for the task. When conducting sampling from a boat in an impoundment or flowing waters, appropriate vessel safety procedures should be followed. Avoid lifting heavy coolers with back muscles; instead, use ergonomic lifting techniques, team lift or mechanical lifts. Wear proper gloves, such as when handling sample containers to avoid contacting any materials that may have spilled out of the sample containers.

Inhalation and absorption of COCs are the primary routes of entry associated with water sampling, due to the manipulation of sample media and equipment, manual transfer of media into sample containers, and proximity of operations to the breathing zone. During this project, several different groundwater sampling methodologies may be used based on equipment accessibility and the types of materials to be sampled. These sampling methods may include hand or mechanical bailing. The primary hazards associated with these specific sampling procedures are not potentially serious; however, other operations in the area or the conditions under which samples must be collected may present chemical and physical hazards. The hazards directly associated with groundwater sampling procedures are generally limited to strains or sprains from hand bailing, and potential eye hazards. Exposure to water containing COCs is also possible. All tools and equipment that will be used at the site must be intrinsically safe (electronics and electrical equipment) and non-sparking or explosion-proof (hand tools).

Task Physical Hazards Checklist			
Potential Task Hazards	**Task 1** **GPR Survey**	**Task 2** **Drilling**	**Task 3** **Soil, Soil Vapor, Groundwater Sampling**
Ergonomics	☐	☒	☒
Hand/Power Tools	☒	☒	☒
Manual Lifting	☐	☒	☒
Overhead Utilities	☐	☒	☐
Slippery Surfaces	☒	☒	☒
Traffic	☒	☒	☒
Sharp Objects	☒	☒	☒
Line of Fire	☒	☒	☒
Generated Wastes	☐	☐	☒

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Ground Disturbance	☐	☒	☐
Heavy Equipment	☐	☒	☐
Noise	☐	☒	☐
Rotating Equipment	☐	☒	☒
Underground Utilities	☐	☒	☐
Other: Specify	☒	☐	☐

Summary of Physical Hazards & Controls

Ergonomics

Most Work-related Musculoskeletal Disorders (WMSDs) are caused by Ergonomic Stressors. Ergonomic Stressors are caused by poor workplace practices and/or insufficient design, which may present ergonomic risk factors. These stressors include, but not limited to, repetition, force, extreme postures, static postures, quick motions, contact pressure, vibration, and cold temperatures.

WMSDs are injuries to the musculoskeletal system, which involves bones, muscles, tendons, ligaments, and other tissues in the system. Symptoms may include numbness, tightness, tingling, swelling, pain, stiffness, fatigue, and/or redness. WMSD are usually caused by one or more Ergonomic Stressors. There may be individual differences in susceptibility and symptoms among employees performing similar tasks. Any symptoms are to be taken seriously and reported immediately.

See OP1053 Ergonomics for more information.

Controls

- Ensure workstations are ergonomically correct so bad posture is not required to complete tasks.
- Take periodic breaks over the course of the day.
- Stretch during break times.
- Break up tasks that require repetitive motion.
- Contact Corporate H&S with any ergonomic concerns

Hand and Power Tools

Hand and power tools can expose staff to a wide range of hazards depending upon the tool used. Hazards can include but are not limited to: falling, flying, abrasive, and splashing objects, or harmful dusts, fumes, mists, vapors, or gases.

Serious accidents often occur before steps are taken to evaluate and avoid or eliminate tool-related hazards. Staff must recognize the hazards associated with the different types of tools and the safety precautions necessary to prevent those hazards.

See OP 1026 Hand and Power Tools for more information.

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Controls

- Keep all tools in good condition with regular maintenance.
- Use the right tool for the job. Do not use a tool for a task which it was not designed for.
- Examine each tool for damage before use and do not use damaged tools.
- For tools that are damaged or defective, red tag the tool and take out of service.
- Operate tools per the manufacturers' instructions.
- Use the appropriate personal protective equipment.
- All electrically powered tools will be connected through a ground fault circuit interrupter (GFCI).
- All personnel must be trained on the use of the tool they are utilizing.

Manual Lifting/Moving

Most materials associated with investigation, remedial, or construction-related activities are moved by hand. The human body is subject to damage in the forms of back injury, muscle strains, and hernia if caution is not observed in the handling process.

Controls

- Under no circumstances should any one person lift more than 49 pounds unassisted.
- Always push, not pull, the object when possible.
- Size up the load before lifting. If it is heavy or clumsy, get a mechanical aid or help from a worker.
- Bend the knees; it is the single most important aspect of lifting.
- When performing the lift:
    - Place your feet close to the object and center yourself over the load.
    - Get a good handhold.
    - Lift straight up, smoothly and let your legs do the work, not your back!
    - Avoid overreaching or stretching to pick up or set down a load.
    - Do not twist or turn your body once you have made the lift.
    - Make sure beforehand that you have a clear path to carry the load.
    - Set the load down properly.

Slippery Surfaces

Both slips and trips result from unintended or unexpected change in the contact between the feet and ground or walking surface. Good housekeeping, quality of walking surfaces, selection of proper footwear, and appropriate pace of walking are critical for preventing fall accidents. Slips happen where there is too little friction or traction between the footwear and walking surface.

Common causes of slips are wet or oily surfaces, spills, weather hazards, loose unanchored rugs or mats and flooring or other walking surfaces that do not have same degree of traction in all areas.

Weather-related slips and falls become a serious hazard as winter conditions often make for wet or icy surfaces outdoors. Even wet organic material or mud can create hazardous walking conditions. Spills and leaks can also lead to slips and falls.

Controls

- Evaluate the work area to identify any conditions that may pose a slip hazard.
- Address any spills, drips or leaks immediately.
- Mark areas where slippery conditions exist.

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- Select proper footwear or enhance traction with additional PPE.
- Where conditions are uncertain or environmental conditions result in slippery surfaces walk slowly, take small steps, and slide feet on wet or slippery surfaces.

Traffic

To ensure worker protection and the safe passage of traffic through and around job sites, Site Traffic Control procedures may need to be implemented on project sites. Job zone control and traffic management are necessary when Simultaneous Operations (SIMOPS) or third parties could be at risk of injury by entering the work zone, or when the work crew is at risk of injury by other operations.

Traffic patterns shall be evaluated. Conditions such as high pedestrian traffic, peak periods, daily deliveries or SIMOPS known, Heavy equipment traffic volume and light duty traffic volume shall be evaluated

Early identification and planning for site operations that require job zone control and traffic management, including SIMOPS, is the responsibility of the Project Manager and primary contractor manager. Traffic control plans shall be consistent with the Manual on Uniform Traffic Control Devices.

See OP1025 Signs, Signals, and Barricades and/or OP1043 Site Traffic Control for more information.

Controls

- Alternate walkways where possible.
- Use of the local police to direct traffic.
- Use of an air horn to alert drivers or other workers.
- Maintain good housekeeping and clean the area as work is completed.
- Use the ‘buddy’ or ‘watchperson’ system while performing work.
- Use a spotter for backing, tight maneuvers and bin/tank/equipment drop-offs.
- Use traffic control devices, field vehicles and barricades and avoid the use of caution tape.
- Park all vehicles (with wheels in a safe direction away from work) to block traffic with a flashing yellow light. Park so that access to the vehicle is away from oncoming traffic while working.
- When parking a vehicle and equipment, utilize a ‘first move forward’ driving practice.
- Work in an upright position, face traffic and make eye contact with drivers when possible.
- Minimize work time in traffic.
- Establish a ‘Stop Work’ hand signal.
- Personnel shall always wear high visibility vest

If public sites, such as public roads, bicycle paths or footpaths, are closed or rerouted, local and regulatory requirements shall be followed and traffic control permits shall be put in place. Proper traffic guiding equipment includes stop/slow paddle signs, flaggers, flashing lights and directional signs.

All personnel on-site should be aware of the plan of the day and the Traffic Control Plan should be communicated with all parties involved during the pre-shift meeting.

Sharp Objects

Workers who handle sharp edged objects like sheets of steel or glass are at risk of cuts. Workers who handle sharp edged objects are also at risk of cuts. Injuries may occur to hands, fingers, or legs when

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they are in the way of the blade, when the blade slips, or if an open blade is handled unexpectedly. Other hazards at job sites include stepping on sharp objects (e.g. wooden boards with protruding nails, sharp work-tools, chisels, etc.) and colliding with sharp and/or protruding objects.

Controls

Always be alert when handling sharps. Never look away or become distracted while handling sharp objects. Use caution when working with tools; use right tool for the job. Keep tools sharp, dull blades are a safety hazard, requiring more force to make cuts which can lead to tool slippage. Wear appropriate PPE and do not handle sharp objects (i.e., broken glass) with bare hands. Use mechanical devices, when possible. Stay away from building debris; avoid handling site debris or placing your hand where you cannot see. Watch out for barbed wire and electrical fences; cover with a car mat or equivalent to cross or walk around; use the buddy system to avoid entanglement; wear gloves. Do not leave unprotected sharps unattended. Use protective shields, cases, styrofoam blocks, etc. Pass a sharp by handing it over carefully by the handle with the blade down or retracted. Fixed open blades are prohibited. Always cut away from the body, making several passes when cutting thicker materials. Make sure blades are fitted properly into the knife. Never cut items with a blade or other sharp object on your lap. Never try to catch a blade or cutting tool that is falling.

Overhead Utilities

When work is undertaken near overhead electrical lines, the distance maintained from those lines shall also meet the minimum distances for electrical hazards as defined in Table 1 below. Note: utilities other than overhead electrical utilities need to be considered when performing work.

Table 1 Minimal Radial Clearance Distances *

Normal System Voltage Kilovolts (kV)	Required Minimal Radial Clearance Distance (feet/meters)
0 – 50	10/3.05
51 – 100	12/3.66
101 – 200	15/4.57
201 – 300	10/6.1
301 – 500	25/7.62
501 – 750	35/10.67
750 - 1000	45/13.72

* For those locations where the utility has specified more stringent safe distances, those distances shall be observed.

Controls

- To prevent damage, guy wires shall be visibly marked and work barriers or spotters provided in those areas where work is being conducted.
    - When working around guy wires, the minimum radial clearance distances for electrical power shall be observed.
- The PM shall research and determine if the local, responsible utility or client has more restrictive requirements than those stated in Table 1.
- If equipment cannot be positioned in accordance with the requirements established in Table 1 the lines need to be de-energized.

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Line of Fire

Line of fire refers to the path an object will travel. Examples of line of fire situations typically observed on project sites include lifting/hoisting, lines under tension, objects that can fall or roll, pressurized objects or lines, springs or stored energy, work overhead, vehicles and heavy equipment.

Controls

- Never walk under a suspended load.
- Be aware and stay clear of tensioned lines such as cable, chain and rope.
- Be cautious of torque stresses that drilling equipment and truck augers can generate. Equipment can rotate unexpectedly long after applied torque force has been stopped.
- Springs and other items can release tremendous energy if compressed and suddenly released
- Items under tension and pressure can release tremendous energy if it is suddenly released.
- Not all objects may be overhead; be especially mindful of top-heavy items and items being transported by forklift or flatbed.
- Secure objects that can roll such as tools, cylinders, and pipes.
- Stay clear of soil cuttings or soil stockpiles generated during drilling operations and excavations, be aware that chunks of soil, rocks, and debris can fall or roll.

Generated Waste

Activities on environmental sites may generate waste that requires regulated handling and disposal. Excess sample solids, decontamination materials, poly sheeting, used PPE, etc. that are determined to be free of contamination through field or laboratory screening can usually be disposed into client-approved, on-site trash receptacles. Uncontaminated wash water may be discarded onto the ground surface away from surface water bodies in areas where infiltration can occur. Contaminated materials must be segregated into liquids or solids and drummed separately for off-site disposal.

Controls

- Manage waste properly through good work practices.
- Collect, store, containerize waste, and dispose of it properly.
- All wastes generated shall be containerized in an appropriate container (i.e. open or closed top 55-gallon drum, roll-off container, poly tote, cardboard box, etc.) as directed by the PM.
- Containers should be inspected for damages or defects
- Waste containers should be appropriately labeled indicating the contents, date the container was filled, owner of the material (including address) and any unique identification number, if necessary.
- Upon completion of filling the waste container, the container should be inspected for leaks and an appropriate seal.

Ground Disturbance

Ground disturbance is defined as any activity disturbing the ground. Ground disturbance activities include, but are not limited to, excavating, trenching, drilling (either mechanically or by hand), digging, plowing, grading, tunneling and pounding posts or stakes.

Because of the potential hazards associated with striking an underground utility or structure, the operating procedure for underground utility clearance shall be followed prior to performing any ground disturbance activities.

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See OP1020 Working Near Utilities

Controls
Prior to performing ground disturbance activities, the following requirements should be applied:

- Confirm all approvals and agreements (as applicable) either verbal or written have been obtained.
- Request for line location has been registered with the applicable One-Call or Dial Before You Dig organization, when applicable.
    - Whenever possible, ground disturbance areas should be adequately marked or staked prior to the utility locators site visit.
- Notification to underground facility operator/owner(s) that may not be associated with any known public notification systems such as the One-Call Program regarding the intent to cause ground disturbance within the search zone.
- Notifications to landowners and/or tenant, where deemed reasonable and practicable.
- Proximity and Common Right of Way Agreements shall be checked if the line locator information is inconclusive.

Heavy Equipment

Staff must be careful and alert when working around heavy equipment, failure or breakage and limited visibility can lead to accidents and worker injury. Heavy equipment such as cranes, drills, haul trucks, or other can fail during operation increasing chances of worker injury. Equipment of this nature shall be visually inspected and checked for proper working order prior to commencement of field work. Those operating heavy equipment must meet all requirements to operate the equipment. Haley & Aldrich, Inc. staff that supervise projects or are associated with high risk projects that involve digging or drilling should use due diligence when working with a construction firm.

See OP1052 Heavy Equipment for additional information.

Controls

- Only approach equipment once you have confirmed contact with the operator (e.g., operator places the bucket on the ground).
- Always maintain visual contact with operators and keep out of the strike zone whenever possible.
- Always be alert to the position of the equipment around you.
- Always approach heavy equipment with an awareness of the swing radius and traffic routes of all equipment and never go beneath a hoisted load.
- Avoid fumes created by heavy equipment exhaust.

Noise

Working around heavy equipment (drill rigs, excavators, etc.) often creates excessive noise. The effects of noise include physical damage to the ear, pain, and temporary and/or permanent hearing loss. Workers can also be startled, annoyed, or distracted by noise during critical activities. Noise monitoring data that indicates that working within 25 feet of operating heavy equipment result in exposure to hazardous levels of noise (levels greater than 85 dBA).

See OP 1031 Hearing Conservation for additional information.

Controls

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- Personnel are required to use hearing protection (earplugs or earmuffs) within 25 feet of any operating piece of heavy equipment.
- Limit the amount of time spent at a noise source.
- Move to a quiet area to gain relief from hazardous noise sources.
- Increase the distance from the noise source to reduce exposure.

Rotating Equipment

Exposure to rotating parts can occur when working near a drilling rig, or other similar equipment. All rotating parts should be covered with guards to prevent access by workers. When performing maintenance activities that require the rotating parts to be exposed, workers should not allow loose clothing, hands, or tools to approach the rotating parts. Energy isolation procedures must be followed, and guards must be replaced as soon as possible after completing the maintenance task.

Operation of drilling equipment also creates hazards associated with pinch points and rotating equipment. These are hazards where the body and extremities, especially the hands, can be caught in moving equipment and crushed.

Controls

- Evaluate work procedures to avoid placing the body and extremities in the path of rotating equipment and tools to avoid being struck by moving equipment, tools and machinery.
- Evaluate equipment and tool use to identify pinch points and develop procedures to avoid placing body parts in a position where they can be caught in moving equipment, tools and machinery.
- Follow energy isolation procedures if required
- Do not work near rotating equipment with long loose hair, loose clothing or jewelry.

Underground Utilities

Various forms of underground/overhead utility lines or conveyance pipes may be encountered during site activities. Prior to the start of intrusive operations, utility clearance is mandated, as well as obtaining authorization from all concerned public utility department offices. Should intrusive operations cause equipment to come into contact with utility lines, the SHSO, Project Manager, and Regional H&S Manager shall be notified immediately. Work will be suspended until the client and applicable utility agency is contacted and the appropriate actions for the situation can be addressed.

See OP1020 Work Near Utilities for complete information.

Controls

- Obtain as-built drawings for the areas being investigated from the property owner;
- Visually review each proposed soil boring locations with the property owner or knowledgeable site representative;
- Perform a geophysical survey to locate utilities;
- Hire a private line locating firm to determine location of utility lines that are present at the property;
- Identifying a no-drill or dig zone;
- Hand dig or use vacuum excavation in the proposed ground disturbance locations if insufficient data is unavailable to accurately determine the location of the utility lines.
-

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NOTE: FIELD PERSONNEL MUST COMPLETE A TAILGATE SAFETY FORM EACH DAY AND THE SUBSURFACE CLEARANCE FIELD CHECKLIST PRIOR TO INITIATION OF SUBSURFACE DRILLING ACTIVITIES – SEE ATTACHMENT E PROJECT SITE FORMS – THESE FORMS MUST BE SAVED TO THE PROJECT FOLDER UPON COMPLETION OF FIELD WORK

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4. PROTECTIVE MEASURES

The personal protective equipment and safety equipment (if listed) is specific to the associated task. The required PPE and equipment listed must be onsite during the task being performed. Work shall not commence unless the required PPE or Safety Equipment is present.

Required Safety & Personal Protective Equipment

Required Personal Protective Equipment (PPE)	**Task 1**	**Task 2**	**Task 3**
	GPR Survey	Drilling	Soil, Soil Vapor, Groundwater Sampling
Safety Glasses	☒	☒	☒
Hearing Protection	☐	☒	☐
Safety Toed Shoes	☒	☒	☒
Class 2 Safety Vest	☒	☒	☒
Face Shield	☒	☒	☒
Cut Resistant Gloves	☒	☒	☒
Level of protection required	D	D	D
Required Safety Equipment			
First Aid Kit	☒	☒	☒

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5. TRAINING REQUIREMENTS

The table below lists the training requirements staff must have respective to their assigned tasks and that are required to access the Site.

Site Specific Training Requirements

HAZWOPER - 40 Hour (Initial); HAZPOWER - 8 Hour (Annual Refresher); NYC Site Safety Training (SST); Tailgate Safety Meetings Daily

Task Specific Training Requirements

Required Training Type	**Task 1**	**Task 2**	**Task 3**	
	GPR Survey	Drilling	Soil, Soil Vapor, and Groundwater Sampling	Enter task description.
RCRA Haz Waste Generator	☒	☒	☒	☐
DOT HAZMAT Transporter Training	☒	☒	☒	☐
NYC Site Safety Training (SST)	☒	☒	☒	☐
Tailgate Safety Meetings (Daily)	☒	☒	☒	☐

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6. AIR MONITORING PLAN AND EQUIPMENT

Exposures to airborne substances shall be fully characterized throughout project operations to ensure that exposure controls are effectively selected and modified as needed.

Is air/exposure monitoring required at this work site for personal protection? No

Is perimeter monitoring required for community protection? Yes

Air monitoring plan not applicable No

Air Monitoring/Screening Equipment Requirements

Photo-Ionization Detector (PID) 10.6eV

Dust Monitor (RAM)

The required equipment listed above must be on site. Work shall not commence unless the equipment is present and in working order.

Monitoring Plans

Parameter/ Contaminant	Equipment	Action Level	Response Activity
VOCs	PID 10.6 eV	< 10 ppm	Continue work and monitoring.
		>10 ppm for 5 minutes	Clear Instrument and Re-Monitor the Area. Implement PPE upgrades
		>10 ppm for >5 minutes	Evacuate the area and call the RHSM and/or PM for further guidance. Implement engineering controls.

Zone Location and Monitoring Interval
Breathing zone and edge of Exclusion Zone.

***If chemical does not have an action level use TLV or REL, whichever is lowest, to be used as an action level. If TLV or REL are the same as PEL, cut the PEL in half for an action level.**

Parameter/ Contaminant	Equipment	Action Level*	Response Activity
VOCs	PID 10.6 eV	5 ppm	

Zone Location		Monitoring Interval
Edge of Exclusion Zone	Choose an item.	Continual

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7. DECONTAMINATION & DISPOSAL METHODS

All possible and necessary steps shall be taken to reduce or minimize contact with chemicals and contaminated/impacted materials while performing field activities (e.g., avoid sitting or leaning on, walking through, dragging equipment through or over, tracking, or splashing potential or known contaminated/impacted materials.)

Personal Hygiene Safeguards

The following minimum personal hygiene safeguards shall be adhered to:

1. No smoking or tobacco products in any project work areas.
2. No eating or drinking in the exclusion zone.
3. It is required that personnel present on site wash hands before eating, smoking, taking medication, chewing gum/tobacco, using the restroom, or applying cosmetics and before leaving the site for the day.

It is recommended that personnel present on site shower or bathe at home at the end of each day of working on the site.

Decontamination Supplies

All decontamination should be conducted at the project site in designated zones or as dictated by Client requirements. Decontamination should not be performed on Haley & Aldrich owned or leased premises.

☐ Acetone	☒ Distilled Water	☐ Polyethylene Sheeting
☒ Alconox Soap	☐ Drums	☐ Pressure/Steam Cleaner
☐ Brushes	☐ Hexane	☒ Tap Water
☒ Disposal Bags	☐ Methanol	☐ Wash tubs
☒ 5 Gallon Buckets	☒ Paper Towels	☐ Other: Specify

Location of Decontamination Station

N/A

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Standard Personal Decontamination Procedures

Outer gloves and boots should be decontaminated periodically as necessary and at the end of the day. Brush off solids with a hard brush and clean with soap and water or other appropriate cleaner whenever possible. Remove inner gloves carefully by turning them inside out during removal. Wash hands and forearms frequently. It is good practice to wear work-designated clothing while on-site which can be removed as soon as possible. Non-disposable overalls and outer work clothing should be bagged onsite prior to laundering. If gross contamination is encountered on-site contact the Project Manager and Field Safety Manager to discuss proper decontamination procedures.

The steps required for decontamination will depend upon the degree and type of contamination but will generally follow the sequence below.

1. Remove and wipe clean hard hat
2. Rinse boots and gloves of gross contamination
3. Scrub boots and gloves clean
4. Rinse boots and gloves
5. Remove outer boots (if applicable)
6. Remove outer gloves (if applicable)
7. Remove Tyvek coverall (if applicable)
8. Remove respirator, wipe clean and store (if applicable)
9. Remove inner gloves (if outer gloves were used)

PPE that is not grossly contaminated can be bagged and disposed in regular trash receptacles.

Small Equipment Decontamination

Pretreatment of heavily contaminated equipment may be conducted as necessary:

1. Remove gross contamination using a brush or wiping with a paper towel
2. Soak in a solution of Alconox and water (if possible)
3. Wipe off excess contamination with a paper towel

Standard decontamination procedure:

4. Wash using a solution of Alconox and water
5. Rinse with potable water
6. Rinse with methanol (or equivalent)
7. Rinse with distilled/deionized water

Inspect the equipment for any remaining contamination and repeat as necessary.

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Disposal Methods

Procedures for disposal of contaminated materials, decontamination waste, and single use personal protective equipment shall meet applicable client, locate, State, and Federal requirements.

Disposal of Single Use Personal Protective Equipment

PPE that is not grossly contaminated can be bagged and disposed in regular trash receptacles. PPE that is grossly contaminated must be bagged (sealed and field personnel should communicate with the Project Manager to determine proper disposal.

Disposal Method for Contaminated Soil

- Contaminated soil cuttings and spoils must be containerized for disposal off-site unless otherwise specifically directed.
- Soil cuttings and spoils determined to be free of contamination through field screening can usually be returned to the boreholes or excavations from which they came.

Standard Disposal Methods for Contaminated Materials

- Excess sample solids, decontamination materials, rags, brushes, poly-sheeting, etc. that are determined to be free of contamination through field screening can usually be disposed into client-approved, on-site trash receptacles.
- Uncontaminated wash water may be discarded onto the ground surface away from surface water bodies in areas where infiltration can occur.
- Contaminated materials must be segregated into liquids or solids and containerized separately for offsite disposal.

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8. SITE CONTROL

The overall purpose of site control is to minimize potential contamination of workers, protect the public from the site's hazards, and prevent vandalism. Site control is especially important in emergency situations. The degree of site control necessary depends on site characteristics, site size, and the surrounding community. The following information identifies the elements used to control the activities and movements of people and equipment at the project site.

Communication

Internal
Haley & Aldrich site personnel will communicate with other Haley & Aldrich staff member and/or subcontractors or contractors with:

Face to Face Communication

External
H&S site personnel will use the following means to communicate with off-site personnel or emergency services.

Cellular Phones

Visitors

Project Site
Will visitors be required to check-in prior to accessing the project site?

Yes

Visitor Access
Authorized visitors that require access to the project site need to be provided with known information with respect to the site operations and hazards as applicable to the purpose of their site visit. Authorized visitors must have the required PPE and appropriate training to access the project site.

Site Safety Officer is responsible for facilitating authorized visitor access.

Zoning

Work Zone
The work zone will be clearly delineated to ensure that the general public or unauthorized worker access is prevented. The following will be used:

Temporary Fencing

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9. SITE SPECIFIC EMERGENCY RESPONSE PLAN

The Emergency Response Plan addresses potential emergencies at this site, procedures for responding to these emergencies, roles, responsibilities during emergency response, and training. This section also describes the provisions this project has made to coordinate its emergency response with other contractors onsite and with offsite emergency response organizations (as applicable).

During the development of this emergency response plan, local, state, and federal agency disaster, fire, and emergency response organizations were consulted (if required) to ensure that this plan is compatible and integrated with plans of those organizations. Documentation of the dates of these consultations are the names of individuals contacted is kept on file and available upon request.

The site has been evaluated for potential emergency occurrences, based on site hazards, and the major categories of emergencies that could occur during project work are:

- Fire(s)/Combustion
- Hazardous Material Event
- Medical Emergency
- Natural Disaster

A detailed list of emergency types and response actions are summarized in Table X below. Prior to the start of work, the SSO will update the table with any additional site-specific information regarding evacuations, muster points, or additional emergency procedures. The SSO will establish evacuation routes and assembly areas for the Site. All personnel entering the Site will be informed of these routes and assembly areas.

Pre-Emergency Planning

Before the start of field activities, the Project Manager will ensure preparation has been made in anticipation of emergencies. Preparatory actions include the following:

Meeting with the subcontractor/and or client concerning the emergency procedures in the event a person is injured. Appropriate actions for specific scenarios will be reviewed. These scenarios will be discussed, and responses determined before the sampling event commences. A form of emergency communication (i.e.; Cell phone, Air horn, etc.) between the Project Manager and subcontractor and/or client will be agreed on before the work commences.

A training session (i.e., “safety meeting”) given by the Project Manager or their designee informing all field personnel of emergency procedures, locations of emergency equipment and their use, and proper evacuation procedures.

Ensuring field personnel are aware of the existence of the emergency response HASP and ensuring a copy of the HASP accompanies the field team(s).

Onsite Emergency Response Equipment

Emergency procedures may require specialized equipment to facilitate work rescue, contamination control and reduction or post-emergency cleanup. Emergency response equipment stocked

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Table 9.1 Emergency Equipment and Emergency PPE			
Emergency Equipment	**Specific Type**	**Quantity Stocked**	**Location Stored**
First Aid Kit	General First Aid Kit	1 Per H&A employee	Throughout Site
Fire Extinguisher	Post-emergency cleanup	1 Fire Extinguisher	With Driller
Emergency PPE	**Specific Type**	**Quantity Stocked**	**Location Stored**
Gloves - "Nitrile"	General Nitrile Glove	1 Box	With H&A Personnel

EVACUATION ALARM
Verbal Communication (Site Personnel are adjacent in work zone)
EVACUATION ROUTES
Will be reviewed during project scoping kickoff meeting
EVACUATION MUSTER POINT(S)/ SHELTER AREA(S)
Will be reviewed during project scoping kickoff meeting
EVACUTION RESPONSE DRILLS
The Site relies on outside emergency responders and a drill is not required.

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Table 9-2 – Emergency Planning

Emergency Type	Notification	Response Action	Evacuation Plan/Route
Chemical Exposure	Report event to SSO immediately	Refer to Safety Data Sheet for required actions	Remove personnel from work zone
Fire - Small	Notify SSO and contact 911	Use fire extinguisher if safe and qualified to do so	Mobilize to *Muster Point*
Fire – Large/Explosion	Notify SSO and contact 911	Evacuate immediately	Mobilize to *Muster Point*
Hazardous Material – Spill/Release	Notify SSO; SSO will contact PM to determine if additional agency notification is	If practicable don PPE and use spill kit and applicable procedures to contain the release	See Evacuation Map for route, move at least 100 ft upwind of spill location
Medical – Bloodborne Pathogen	Notify SSO	If qualified dispose in container or call client or city to notify for further instruction.	None Anticipated
Medical – First Aid	Notify SSO	If qualified perform first aid duties	None Anticipated
Medical – Trauma	If life threatening or transport is required call 911, immediately	Wait at site entrance for ambulance	Noe Anticipated
Security Threat	Notify SSO who will call 911 as warranted	Keep all valuables out of site and work zones delineated.	None Anticipated
Weather – Earthquake/Tsunami's	STOP WORK and evacuate Site upon any earthquake	Turn off equipment and evacuate as soon as is safe to do so	Mobilize to *Shelter Location*
Weather – Lightning Storm	STOP WORK	Work may resume 30 minutes after the last observed lightning.	None Anticipated
Weather – Tornadoes/Hurricanes	Monitor weather conditions STOP WORK and evacuate the site	Evacuate to shelter location or shelter in place immediately	Mobilize to *Shelter Location*
MUSTER POINT Will be given location after site-specific training		*SHELTER LOCATION* Will be given location after site-specific training	
In case of site emergencies, site personnel shall be evacuated per this table and will not participate in emergency response activities. Site emergencies shall be reported to local, state, and federal governmental agencies as required.			

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10. HASP ACKNOWLEDGEMENT FORM

All Haley & Aldrich employees onsite must sign this form prior to entering the site.

I hereby acknowledge receipt of, and briefing on, this HASP prior to the start of on-site work. I declare that I understand and agree to follow the provisions, processes, and procedures set forth herein at all times while working on this site.

Printed Name	Signature	Date

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ATTACHMENT A
HASP AMENDMENT FORM

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HASP AMENDMENT FORM

This form is to be used whenever there is an immediate change in the project scope that will require an amendment to the HASP. For project scope changes associated with "add-on" tasks, the changes must be made in the body of the HASP. Before changes can be made, a review of the potential hazards must be initiated by the Haley & Aldrich Project Manager.

This original form must remain on site with the original HASP. If additional copies of this HASP have been distributed, it is the Project Manager's responsibility to forward a signed copy of this amendment to those who have copies.

Amendment No.	
Site Name	
Work Assignment No.	
Date	
Type of Amendment	
Reason for Amendment	
Alternate Safeguard Procedures	
Required Changes in PPE	

Project Manager Name (Print)	Project Manager Signature	Date

Health & Safety Approver Name (Print)	Health & Safety Approver Signature	Date

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ATTACHMENT B
TRAINING REQUIREMENTS

Note: This HASP has been developed for Haley & Aldrich purposes only and is not for use by others.

TRAINING REQUIREMENTS

Health and Safety Training Requirements

Personnel will not be permitted to supervise or participate in field activities until they have been trained to a level required by their job function and responsibility. Haley & Aldrich staff members, contractors, subcontractors, and consultants who have the potential to be exposed to contaminated materials or physical hazards must complete the training described in the following sections.

The Haley & Aldrich Project Manager/FSM will be responsible for maintaining and providing to the client/site manager documentation of Haley & Aldrich staff members' compliance with required training as requested. Records shall be maintained per OSHA requirements.

40-Hour Health and Safety Training

The 40-Hour Health and Safety Training course provides instruction on the nature of hazardous waste work, protective measures, proper use of personal protective equipment, recognition of signs and symptoms which might indicate exposure to hazardous substances, and decontamination procedures. It is required for all personnel working on-site, such as equipment operators, general laborers, and supervisors, who may be potentially exposed to hazardous substances, health hazards, or safety hazards consistent with 29 CFR 1910.120.

8-hour Annual Refresher Training

Personnel who complete the 40-hour health and safety training are subsequently required to attend an annual 8-hour refresher course to remain current in their training. When required, site personnel must be able to show proof of completion (i.e., certification) at an 8-hour refresher training course within the past 12 months.

8-Hour Supervisor Training

On-site managers and supervisors directly responsible for, or who supervise staff members engaged in hazardous waste operations, should have eight additional hours of Supervisor training in accordance with 29 CFR 1910.120. Supervisor Training includes, but is not limited to, accident reporting/investigation, regulatory compliance, work practice observations, auditing, and emergency response procedures.

Additional Training for Specific Projects

Haley & Aldrich personnel will ensure their personnel have received additional training on specific instrumentation, equipment, confined space entry, construction hazards, etc., as necessary to perform their duties. This specialized training will be provided to personnel before engaging in the specific work activities including:

- Client specific training or orientation
- Competent person excavations
- Confined space entry (entrant, supervisor, and attendant)
- Heavy equipment including aerial lifts and forklifts
- First aid/ CPR
- Use of fall protection
- Use of nuclear density gauges
- Asbestos awareness

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ATTACHMENT C
ROLES AND RESPONSIBILITIES

Note: This HASP has been developed for Haley & Aldrich purposes only and is not for use by others.

SITE ROLES AND RESPONSIBILITIES

Haley & Aldrich Personnel

Field Safety Manager (FSM)

The Haley & Aldrich FSM is a full-time Haley & Aldrich staff member, trained as a safety and health professional, who is responsible for the interpretation and approval of this Safety Plan. Modifications to this Safety Plan cannot be undertaken by the PM or the SSO without the approval of the FSM.

Specific duties of the FSM include:

- Approving and amending the Safety Plan for this project
- Advising the PM and SHSOs on matter relating to health and safety
- Recommending appropriate personal protective equipment (PPE) and air monitoring instrumentation
- Maintaining regular contact with the PM and SSO to evaluate the conditions at the property and new information which might require modifications to the HASP and
- Reviewing and approving JSAs developed for the site-specific hazards.

Project Manager (PM)

The Haley & Aldrich PM is responsible for ensuring that the requirements of this HASP are implemented at that project location. Some of the PM´s specific responsibilities include:

- Assuring that all personnel to whom this HASP applies have received a copy of it;
- Providing the FSM with updated information regarding environmental conditions at the site and the scope of site work;
- Providing adequate authority and resources to the on-site SHSO to allow for the successful implementation of all necessary safety procedures;
- Supporting the decisions made by the SHSO;
- Maintaining regular communications with the SHSO and, if necessary, the FSM;
- Coordinating the activities of all subcontractors and ensuring that they are aware of the pertinent health and safety requirements for this project;
- Providing project scheduling and planning activities; and
- Providing guidance to field personnel in the development of appropriate Job Safety Analysis (JSA) relative to the site conditions and hazard assessment.

Site Health & Safety Officer (SHSO)

The SHSO is responsible for field implementation of this HASP and enforcement of safety rules and regulations. SHSO functions may include some or all of the following:

- Act as Haley & Aldrich´s liaison for health and safety issues with client, staff, subcontractors, and agencies.
- Verify that utility clearance has been performed by Haley & Aldrich subcontractors.
- Oversee day-to-day implementation of the Safety Plan by Haley & Aldrich personnel on site.

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- Interact with subcontractor project personnel on health and safety matters.
- Verify use of required PPE as outlined in the safety plan.
- Inspect and maintain Haley & Aldrich safety equipment, including calibration of air monitoring instrumentation used by Haley & Aldrich.
- Perform changes to HASP and document in Appendix A of the HASP as needed and notify appropriate persons of changes.
- Investigate and report on-site accidents and incidents involving Haley & Aldrich and its subcontractors.
- Verify that site personnel are familiar with site safety requirements (e.g., the hospital route and emergency contact numbers).
- Report accidents, injuries, and near misses to the Haley & Aldrich PM and FSM as needed.

The SHSO will conduct initial site safety orientations with site personnel (including subcontractors) and conduct toolbox and safety meetings thereafter with Haley & Aldrich employees and Haley & Aldrich subcontractors at regular intervals and in accordance with Haley & Aldrich policy and contractual obligations. The SHSO will track the attendance of site personnel at Haley & Aldrich orientations, toolbox talks, and safety meetings.

Field Personnel

Haley & Aldrich personnel are responsible for following the health and safety procedures specified in this HASP and for performing their work in a safe and responsible manner. Some of the specific responsibilities of the field personnel are as follows:

- Reading the HASP in its entirety prior to the start of on-site work;
- Submitting a completed Safety Plan Acceptance Form and documentation of medical surveillance and training to the SHSO prior to the start of work;
- Attending the pre-entry briefing prior to beginning on-site work;
- Bringing forth any questions or concerns regarding the content of the Safety Plan to the PM or the SHSO prior to the start of work;
- Stopping work when it is not believed it can be performed safely;
- Reporting all accidents, injuries and illnesses, regardless of their severity, to the SHSO;
- Complying with the requirements of this safety plan and the requests of the SHSO; and
- Reviewing the established JSAs for the site-specific hazards on a daily basis and prior to each shift change, if applicable.

Visitors

Authorized visitors (e.g., Client Representatives, Regulators, Haley & Aldrich management staff, etc.) requiring entry to any work location on the site will be briefed by the Site Supervisor on the hazards present at that location. Visitors will be escorted at all times at the work location and will be responsible for compliance with their employer´s health and safety policies. In addition, this safety plan specifies the minimum acceptable qualifications, training and personal protective equipment which are required for entry to any controlled work area; visitors must comply with these

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requirements at all times. Unauthorized visitors, and visitors not meeting the specified qualifications, will not be permitted within established controlled work areas.

SUBCONTRACTOR PERSONNEL

Subcontractor Site Representative

Each contractor and subcontractor shall designate a Contractor Site Representative. The Contractor Site Representative will interface directly with Insert Staff Name Here, the Subcontractor Site Safety Manager, with regards to all areas that relate to this safety plan and safety performance of work conducted by the contractor and/or subcontractor workforce. Contractor Site Representatives for this site are listed in the Contact Summary Table at the beginning of the Safety Plan.

Subcontractor Site Safety Manager

Each contractor / subcontractor will provide a qualified representative who will act as their Site Safety Manager (Sub-SSM). This person will be responsible for the planning, coordination, and safe execution of subcontractor tasks, including preparation of job hazard analyses (JHA), performing daily safety planning, and coordinating directly with the Haley & Aldrich SHSO for other site safety activities. This person will play a lead role in safety planning for Subcontractor tasks, and in ensuring that all their employees and lower tier subcontractors are in adherence with applicable local, state, and/or federal regulations, and/or industry and project specific safety standards or best management practices.

General contractors / subcontractors are responsible for preparing a site-specific HASP and/or other task specific safety documents (e.g., JHAs), which are, at a minimum, in compliance with local, state, and/or federal other regulations, and/or industry and project specific safety standards or best management practices. The contractor(s)/subcontractor(s) safety documentation will be at least as stringent as the health and safety requirements of the Haley & Aldrich Project specific HASP.

Safety requirements include, but are not limited to: legal requirements, contractual obligations and industry best practices. Contractors/subcontractors will identify a site safety representative during times when contractor/subcontractor personnel are on the Site. All contractor/subcontractor personnel will undergo a field safety orientation conducted by the Haley & Aldrich SHSO and/or PM prior to commencing site work activities. All contractors / subcontractors will participate in Haley & Aldrich site safety meetings and their personnel will be subject to training and monitoring requirements identified in this Safety Plan. If the contractors / subcontractors means and methods deviate from the scope of work described in Section 1 of this Safety Plan, the alternate means and methods must be submitted, reviewed and approved by the Haley & Aldrich SHSO and/or PM prior to the commencement of the work task. Once approved by the Haley & Aldrich SHSO and/or PM, the alternate means and methods submittal will be attached to this Safety Plan as an Addendum.

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ATTACHMENT D
JOB SAFETY ANALYSES

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374 WALLABOUT STREET

KEY TASK: Remedial Investigation		
Subtask Category	**Potential Hazards**	**Controls**
GPR Survey – Site Walk	Slips, Trips, and Falls	• Take your time and pay attention to where you are going • Adjust your stride to a pace that is suitable for the walking surface and tasks you are doing • Check the work area to identify hazards – beware of trip hazards such as wet floors, slippery floors, and uneven surfaces or terrain • Establish and utilize a pathway free of slip and trip hazards • Choose a safer walking route • Carry loads you can see over • Keep work areas clean and free of clutter • Communicate hazards to on-site personnel – remove hazards as appropriate
GPR Survey – Site Walk	Vehicle traffic/safety	• Watch out for vehicular traffic in and around work area • Access work area along routes that are the least busy
Drilling	Work site access and controls	• Observe all work site access and controls before entering work area • Use only routes that are designated for personnel • Do not change or alter established work site access or controls
Drilling	Utility locators and underground hazards	• Observe work from a distance in case of utility strike • Immediately evacuate work area in the event of a utility strike
Drilling	Heavy equipment	• Personal protective equipment, licensed excavator/machine operators

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		• Maintain a safe distance from moving equipment and observe equipment swing radii •
Drilling	Noise reduction	• Personal protective equipment, ear plugs or ear muffs
Drilling	Cold stress	• Take breaks indoors, hand warmers
Drilling	Weather-related hazards	• Avoid slippery surfaces as a result of weather • Seek shelter in the event of a lightning storm and stay clear of potential lightning receptors
Drilling	Vehicle traffic/safety	• Watch out for vehicular traffic in and around work area • Access work area along routes that are the least busy
Drilling	Slips, trips, and falls	• As above
Soil, Soil Vapor, GW Sampling	Slips, trips, and falls	• As above
Soil, Soil Vapor, GW Sampling	Vehicle traffic/safety	• As above
Soil, Soil Vapor, GW Sampling	Weather-related hazards	• As above
Soil, Soil Vapor, GW Sampling	Cold stress	• As above
Soil, Soil Vapor, GW Sampling	Lifting	• You know where you are going • The area around the load is clear of obstacles • Doors are open and there is nothing on the floor that could trip someone or make them slip • You have a good grip on the load • Your hands, the load and any handles are not slippery • If you are lifting with someone else, both of you know what you are doing before you start • You should adopt the following technique when lifting the load: • Put your feet around the load and your body over it (if this is not feasible, try to

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		keep your body as close as possible to the load and in front of it) • Use the muscles of your legs when lifting • Keep your back straight • Pull the load as close as possible to your body • Lift and carry the load with straight arms
Soil, Soil Vapor, GW Sampling	Tool/Equipment Use	• Inspect any tools or equipment before you use them • Ensure that any cords or plugs are not frayed or damaged • Only use tools/equipment for the purpose they are meant to be used – tools/equipment are not toys to be played with • Think of the steps in which you will use the tools/equipment before using them • Handle all tools/equipment in a safe manner • If unsure how to use a tool/equipment, be sure to receive proper training or instruction prior to using them • Use tools/equipment at a safe pace • Do not force tools/equipment to work

Note: This HASP is developed for Haley & Aldrich purposes only and not for use by others.

ATTACHMENT E
PROJECT SITE FORMS

Note: This HASP has been developed for Haley & Aldrich purposes only and is not for use by others.

Subsurface Clearance Field Checklist

PROJECT INFORMATION

Site Name:		Project Manager:	
Location:		Client Leader/LSRP:	
Client Name:		Scope of Work:	
Project Number:		Date of SSC Event:	

PROJECT BASICS (Completed prior to the start of field activities)

Site Contact Person Identified? Circle one: Yes No			
Contact Person/Company Name/Phone Number:			
Subcontractor & On-Site Representatives:			
Have the subsurface activities been explained to the subcontractor? Circle one: Yes No			
Public utility mark-out completed? Circle one: Yes No			
Public Mark-out/called in by Company/Representative:		Date:	
Ticket Number:		Utilities Notified and Response received:	

PRE-CLEARANCE (Completed prior to breaking ground or determining final locations)

Private Utility Mark-out completed? Circle one: Yes No		Date:	
Work area and each intrusive location scanned for all utilities? Circle one: Yes No			
Private Mark-out completed by Subcontractor & Representative:			
Depth of accuracy (feet):		Limitations:	
Type of equipment used:			

Utility Identified & Marked-out	Depth (ft)	Yes	No	Utility Identified & Marked-out	Depth (ft)	Yes	No
Electricity (Red)				Sewer (Green)			
Gas (Yellow)				Telephone Data (Orange)			
Water (Blue)				Fuel/Oil			
Reclaimed H_2O/Irrigation (Purple)				Proposed excavation (white)			

SCOPE OF WORK

Scope of Work provided to subcontractors? Circle one: Yes No					
Number of intrusive locations:		Targeted depth (feet):		Diameter of Borehole (inches):	
Proposed intrusive locations within 10 feet of marked and/or known utility? Circle one: Yes No					
Final locations confirmed at least 10 feet away from all utilities? Circle one: Yes No					

FIELD OBSERVATIONS

Other Utilities & Visual Clues Observed	Yes	No	Other Utilities & Visual Clues Observed	Yes	No
Natural gas meters			Fire suppression		
Water meters			Fire hydrants		
Cable markers			Fire sprinkler lines		
Sewer drains/cleanouts			Sprinkler/irrigation systems		
Overhead lines (give 15' x 15' of clearance)			Utility poles with conduit leading to the ground		
Pipeline and pipeline markers			Utility boxes		
Underground storage tank (UST)			Manholes		
UST fill ports and vent pipes			Pavement scarring		
Lights			Remote buildings with no visible utilities		
Signage			Other (specify):		
Steam lines			Other (specify):		

Any mitigations taken if points cannot be obtained or site type was not listed:_____

_____

Mitigations taken by whom: _____

Subsurface Clearance Field Checklist

Utility Point System: Gain points to protect against utility strike

Site Description	Minimum Points Needed
Combination of 2 or more Site Types	5
Commercial/Office Park	5
Downtown/Urban Development	5
Manufacturing/Active	5
Manufacturing/Non-Active	5
Mine	5
Rail	5
Residential	5
Roadway (right-of-way, highway, and secondary routes)	5
Roadway (right-of-way, rural route)	5
Universities/Government Campus/Airports	5
Abandoned/Non-Active/Vacant	3
Remote (field, woods, undisturbed)	2
Work over water	2
Site Type Not Listed Above	Consult with the PM, Utility Specialist, and Project Team
Cannot Gain Minimum Points	Perform hand clearing/soft dig/vacuum excavation

1 Point Value (2 Maximum from this Category)
Facility/contact supplied information (GIS figure with photo overlay; extensive client records and drawings)
The utilities have been marked using GPS or surveyed (with minimum accuracy of 0.1 foot)
A review of the work scope with a knowledgeable site contact (client contact, site manager, maintenance manager or other site personnel) about the site's history and utility locations/conditions (with a utility site drawing). **A knowledgeable site contact is someone who has regular responsibilities for managing site infrastructure, construction activities, and/or retaining site drawings/figures.**
A visual inspection of the site to verify that the utilities match the drawings and figures (completed after the State One Call Subsurface Clearance Checklist)
Confirmation of the low density of subsurface utilities (based on site maps, previous private utility locates)
Shallow boring advancement (<2 feet below ground surface (bgs) with non-mechanical drilling techniques)

2 Point Values
As-built drawings (plot plans, as-builts, pipeline or facilities maps, and/or lease drawings), reviewed and verified by client for updated changes
Confirmation that utilities cut off at street and align with drawings and figures
Drawing/figure (measured to scale, shows site utilities as visually verified during site walk); includes any new or repaired lines that match site (e.g., pavement scarring); depth and diameter of utilities; and recent (includes any new construction activity)
Survey data and figures produced by Haley & Aldrich and/or Haley & Aldrich site utility experience with additional site inspection
Site drawing and figures from prior private utility locate created by Haley & Aldrich (drawing must include GPS coordinates and utilities are to scale)
GPR/EM Cable location by private utility locate directly above proposed ground disturbance/borehole location

3 Point Values	3 Point Values (Open Excavations Only)
Hand Clearing/Soft Dig/Vacuum Excavation to 5 feet bgs using the following soft dig clearance methods listed from least invasive to most: • Probing • Hand Digging • Hand Auguring • Vacuum Extraction • Air/Water Knife with Vacuum Extraction	Hand Clearing/Soft Dig/Vacuum Excavation using the following soft dig clearance methods to confirm location of known utilities prior to using mechanical excavation: • Probing • Hand Digging • Vacuum Extraction

Health & Safety Tailgate Meeting Form

Project:	Project No.:
Location:	Project Manager:
Subcontractor(s):	Date:
Site Safety & Health Officer (SSHO):	SSHO Contact Info:

Emergency Procedures

If an emergency occurs, follow procedure outlined in the HASP and contact numbers below. If non-life-threatening injury occurs, contact PM to report the incident. Seek first-aid treatment from the Occupational Health Center, as outlined in the HASP.

Emergency Dispatch phone number if other than 911:	
Local Hospital:	Local Hospital Phone #:
Evacuation/Muster Point:	Alt Evacuation/Muster Point:

Simultaneous Operations (SIMOPS)

SIMOPS or Multi-Crew Activity	☐ Yes	☐ No	If yes, describe SIMOPS:	
Has SIMOPS been communicated to all workforce?	☐ Yes	☐ No		
SIMOPS PIC:			**Phone Number:**	

Task Identification

Task	Responsible Company	Task Supervisor

Required Permits/Forms (*check all that apply*)

☐None	☐Lifting Plan	☐Other:
☐Confined Space Entry Permit	☐Hot Work Permit	☐Other:
☐Lock-out / Tag-out (LOTO)	☐Ground Disturbance Permit	☐Other:
☐Excavation Permit	☐Other:	☐Other:

Discussion of Work Hazards *(check all that apply)*

☐Chemical	☐Hazardous materials (lead, asbestos, etc.)	☐Radiological
☐Confined space	☐Hosting and rigging	☐Stored energy LOTO
☐Congested work area	☐Hot work	☐Traffic control
☐Elevated work	☐Material handling	☐Weather and/or temp extremes
☐Ergonomics	☐Noise pollution	☐Waste generation
☐Emergency egress	☐Oxygen deficiency	☐Other:

Required PPE *(check all that apply)*

										
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Hearing Protection	Safety Eyewear	Hard Hat	Safety Toed Shoes	Leather or Palm Protective	Safety Vest	Protective Clothing	Respiratory Protection	PFD	Face Shield	Fall Protection

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Tailgate Topic / Hazard Discussion

Item	Discussion

Management of Change (MoC)

Does the work activity require a MoC? If yes, has it been authorized by applicable management? ☐No ☐Yes
Has the safety information been updated to incorporate any change in product, equipment, material or process? This information should include how to investigate accidents, audit compliance with safety procedures, and plan for emergency responses. ☐No ☐Yes
Have the procedures for a MoC been reviewed and evaluated? ☐No ☐Yes
Have all affected staff been informed and trained on the new equipment, process, or other changes? Health and safety hazards must be emphasized including processes/procedures in an emergency. The training must occur before any staff is allowed to operate the equipment or perform the job relating to the changes. ☐No ☐Yes
Have written procedures been put into place for the next time there is a change in safety management? ☐No ☐Yes

Best Practice(s) Observed? ☐ Yes ☐ No If yes, describe:	**H&S Observations/ Near Misses/ Incidents Reported?** ☐ Yes ☐ No If yes, describe:
Safe Work Interventions? ☐ Yes ☐ No If yes, describe:	**Have additional hazards and risk controls been identified for future work?** ☐ Yes ☐ No If yes, update appropriate job hazard analysis (JHA).

Site Safety & Health Officer Acknowledgement

At the conclusion of the day, I certify that the work site has been inspected and is being left in a safe and clean condition and any incidents have been properly reported.

Signature Date

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HALEY ALDRICH

Worker Acknowledgement

By signing here, you are stating the following:

1. You understand the hazards and risk control actions associated with each task you are about to perform.
2. You understand the permit to work requirements pertinent to the work you are about to perform (if applicable).
3. You are aware that no tasks or work that is not risk-assessed is to be performed.
4. You also are aware of your obligation to implement 'Safe Work'.
5. You arrived and departed fit for duty.
6. You are physically and mentally fit for duty.
7. You are not under the influence of any type of medication, drugs, or alcohol that could affect your ability to work safely.
8. You are aware of your responsibility to bring any illness, injury (regardless of where or when it occurred), or fatigue issue you may have to the attention of the SSHO.
9. You signed out uninjured unless you have otherwise informed the SSHO.

Name (print)	Company	Initials & Sign In/Out Time		COVID-19 Self-Declaration
		In & Fit	Out & Fit	On File

Visitor Log (*Site Visitors not involved in the work activities*)

Name (print)	Company	Initials & Sign In/Out Time		COVID-19 Self Declaration
		In & Fit	Out & Fit	On File

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ATTACHMENT F
SITE-SPECIFIC OPERATING PROCEDURES

Note: This HASP has been developed for Haley & Aldrich purposes only and is not for use by others.

APPENDIX F
NYSDOH CAMP Guidance Document

Appendix 1A
New York State Department of Health
Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. “Periodic” monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009

Appendix 1B
Fugitive Dust and Particulate Monitoring

A program for suppressing fugitive dust and particulate matter monitoring at hazardous waste sites is a responsibility on the remedial party performing the work. These procedures must be incorporated into appropriate intrusive work plans. The following fugitive dust suppression and particulate monitoring program should be employed at sites during construction and other intrusive activities which warrant its use:

1. Reasonable fugitive dust suppression techniques must be employed during all site activities which may generate fugitive dust.

2. Particulate monitoring must be employed during the handling of waste or contaminated soil or when activities on site may generate fugitive dust from exposed waste or contaminated soil. Remedial activities may also include the excavation, grading, or placement of clean fill. These control measures should not be considered necessary for these activities.

3. Particulate monitoring must be performed using real-time particulate monitors and shall monitor particulate matter less than ten microns (PM10) with the following minimum performance standards:

(a) Objects to be measured: Dust, mists or aerosols;
(b) Measurement Ranges: 0.001 to 400 mg/m3 (1 to 400,000 :ug/m3);
(c) Precision (2-sigma) at constant temperature: +/- 10 :g/m3 for one second averaging; and +/- 1.5 g/m3 for sixty second averaging;
(d) Accuracy: +/- 5% of reading +/- precision (Referred to gravimetric calibration with SAE fine test dust (mmd= 2 to 3 :m, g= 2.5, as aerosolized);
(e) Resolution: 0.1% of reading or 1g/m3, whichever is larger;
(f) Particle Size Range of Maximum Response: 0.1-10;
(g) Total Number of Data Points in Memory: 10,000;
(h) Logged Data: Each data point with average concentration, time/date and data point number
(i) Run Summary: overall average, maximum concentrations, time/date of maximum, total number of logged points, start time/date, total elapsed time (run duration), STEL concentration and time/date occurrence, averaging (logging) period, calibration factor, and tag number;
(j) Alarm Averaging Time (user selectable): real-time (1-60 seconds) or STEL (15 minutes), alarms required;
(k) Operating Time: 48 hours (fully charged NiCd battery); continuously with charger;
(l) Operating Temperature: -10 to 50^{o} C (14 to 122^{o} F);
(m) Particulate levels will be monitored upwind and immediately downwind at the working site and integrated over a period not to exceed 15 minutes.

4. In order to ensure the validity of the fugitive dust measurements performed, there must be appropriate Quality Assurance/Quality Control (QA/QC). It is the responsibility of the remedial party to adequately supplement QA/QC Plans to include the following critical features: periodic instrument calibration, operator training, daily instrument performance (span) checks, and a record keeping plan.

5. The action level will be established at 150 ug/m3 (15 minutes average). While conservative,

this short-term interval will provide a real-time assessment of on-site air quality to assure both health and safety. If particulate levels are detected in excess of 150 ug/m3, the upwind background level must be confirmed immediately. If the working site particulate measurement is greater than 100 ug/m3 above the background level, additional dust suppression techniques must be implemented to reduce the generation of fugitive dust and corrective action taken to protect site personnel and reduce the potential for contaminant migration. Corrective measures may include increasing the level of personal protection for on-site personnel and implementing additional dust suppression techniques (see paragraph 7). Should the action level of 150 ug/m3 continue to be exceeded work must stop and DER must be notified as provided in the site design or remedial work plan. The notification shall include a description of the control measures implemented to prevent further exceedances.

6. It must be recognized that the generation of dust from waste or contaminated soil that migrates off-site, has the potential for transporting contaminants off-site. There may be situations when dust is being generated and leaving the site and the monitoring equipment does not measure PM10 at or above the action level. Since this situation has the potential to allow for the migration of contaminants off-site, it is unacceptable. While it is not practical to quantify total suspended particulates on a real-time basis, it is appropriate to rely on visual observation. If dust is observed leaving the working site, additional dust suppression techniques must be employed. Activities that have a high dusting potential--such as solidification and treatment involving materials like kiln dust and lime--will require the need for special measures to be considered.

7. The following techniques have been shown to be effective for the controlling of the generation and migration of dust during construction activities:

(a) Applying water on haul roads;
(b) Wetting equipment and excavation faces;
(c) Spraying water on buckets during excavation and dumping;
(d) Hauling materials in properly tarped or watertight containers;
(e) Restricting vehicle speeds to 10 mph;
(f) Covering excavated areas and material after excavation activity ceases; and
(g) Reducing the excavation size and/or number of excavations.

Experience has shown that the chance of exceeding the 150ug/m3 action level is remote when the above-mentioned techniques are used. When techniques involving water application are used, care must be taken not to use excess water, which can result in unacceptably wet conditions. Using atomizing sprays will prevent overly wet conditions, conserve water, and provide an effective means of suppressing the fugitive dust.

8. The evaluation of weather conditions is necessary for proper fugitive dust control. When extreme wind conditions make dust control ineffective, as a last resort remedial actions may need to be suspended. There may be situations that require fugitive dust suppression and particulate monitoring requirements with action levels more stringent than those provided above. Under some circumstances, the contaminant concentration and/or toxicity may require additional monitoring to protect site personnel and the public. Additional integrated sampling and chemical analysis of the dust may also be in order. This must be evaluated when a health and safety plan is developed and when appropriate suppression and monitoring requirements are established for protection of health and the environment.

HALEY & ALDRICH OF NEW YORK
237 W 35th Street
16th Floor
New York, NY 10001
646.277.5685

30 August 2022
File No. 0205892

Mr. Joel Fried
374 Wallabout Street
Brooklyn, New York 11206

Attention: Mr. Joel Fried

Subject: ASTM Phase I Environmental Site Assessment
374 Wallabout Street
Brooklyn, New York 11206

Dear Mr. Fried:

The enclosed report presents the results of a Phase I Environmental Site Assessment (Phase I) conducted at the above-referenced property, located at 374 Wallabout Street, in Brooklyn, New York (herein referred to as the "subject site"). This work was performed by Haley & Aldrich of New York (Haley & Aldrich), in accordance with our proposal to Joel Fried dated 26 April 2022 ("Agreement") as authorized on 25 May 2022. This Phase I was conducted in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process as referenced in 40 Code of Federal Regulations (CFR) Part 312 (the All Appropriate Inquiries [AAI] Rule).

The objective of a Phase I is to assess whether known and suspect "recognized environmental conditions" (REC), historical RECs (HREC) or controlled RECs (CREC) is associated with the subject site, as defined in the ASTM E 1527-13 Standard.

Thank you for the opportunity to perform these services for you. Please do not hesitate to contact us if you have any questions or comments.

Sincerely yours,
HALEY & ALDRICH OF NEW YORK

James M. Bellew
Principal

Elizabeth R. Scheuerman
Assistant Project Manager

Zachary Simmel
Senior Engineer

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Executive Summary

Haley & Aldrich of New York (Haley & Aldrich) has performed a Phase I Environmental Site Assessment (Phase I) of the 374 Wallabout Street property in Brooklyn, New York (herein referred to as the "subject site"). The scope of work is described and conditioned by our proposal dated 26 April 2022. This Phase I was performed for Joel Fried who seeks to redevelop the property. This Phase I was performed in conformance with the scope and limitations of the ASTM E 1527-13 Standard and All Appropriate Inquiries (AAI) Rule[1].

SUBJECT SITE DESCRIPTION

The subject site is located within an urban area characterized by multi-story commercial and residential buildings. The subject site, identified as Block 2266, Lot 13 on the New York City tax map in a residential R7-A zoning area, is 2,500 square feet (sq ft) and currently improved by a vacant three-story building and a rear yard. The building contains a cellar level. The subject site is bound to the north by Wallabout Street followed by an industrial-use garage, multi-story residential building and vacant land; to the east by a multi-story residential building; to the south by an asphalt-paved lot and a property under construction for development of a multi-story residential building; and, to the west by a property under construction for development of a multi-story residential building.

It is assumed that the subject site will remain consistent with the current zoning.

OBJECTIVE

The objective of a Phase I is to assess whether "recognized environmental conditions" (REC), historical RECs (HREC), and controlled RECs (CREC) are associated with the subject site. Our conclusions are intended to help the User evaluate the "business environmental risk" associated with the subject site. Our opinion regarding a REC's potential impact on the subject site is based on the scope of our work, the information obtained during the course of our work, the conditions prevailing at the time our work was performed, the applicable regulatory requirements in effect at the time our work was performed, our experience evaluating similar sites, and on our understanding of the client's intention to redevelop the site for residential use.

RECOGNIZED ENVIRONMENTAL CONDITIONS

The ASTM E 1527-13 Standard defines a REC in part as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment."

Our opinion regarding a REC's potential impact on the subject site is based on the scope of our work, the information obtained during the course of our work, the conditions prevailing at the time our work was performed, the applicable regulatory requirements in effect at the time our work was performed, our

[1] American Society for Testing and Materials (ASTM) E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process as referenced in 40 Code of Federal Regulations (CFR) Part 312 (the All Appropriate Inquiries [AAI] Rule) ("ASTM E 1527-13 Standard"). Specified terms as are used in ASTM E 1527-13 are highlighted in blue in this report and defined in the Glossary at the end of the report text.

experience evaluating similar sites, and on our understanding of the client's intended use for the subject site.

The following REC was identified in connection with the subject site:

REC #1 - Known Contamination at Former BCP Site (Pfizer Sites B & D) Located Upgradient and Adjacent to Subject Site

The property located upgradient and south-adjacent to the subject site, known as Pfizer Sites B & D, was formerly subject to investigation and remediation within the Brownfield Cleanup Program (BCP). The primary contaminants of concern included chlorinated volatile organic compounds (VOCs) in groundwater, soil, and soil vapor. Remedial action was conducted and engineering controls were implemented to prevent future migration or contact with contamination left at the site. Furthermore, the most recent groundwater sampling event (conducted in April 2021) indicated concentrations of chlorinated VOCs above regulatory criteria in groundwater samples collected from monitoring wells located both north and south of the subject site. While this property has been remediated under the BCP and implemented engineering controls to address the residual contamination, due to the proximity of the Pfizer Sites B&D located hydraulically upgradient to the subject site, impacted soil vapor and/or groundwater may have migrated and be present at subject site. Based on this, known the former BCP Site (Pfizer Sites B & D) is considered a REC.

CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS

The ASTM E 1527-13 Standard defines a CREC as a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

CRECs were not identified in connection with the subject site.

HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS

The ASTM E 1527-13 Standard defines an HREC as an environmental condition "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

HRECs were not identified in connection with the subject site.

DE MINIMIS CONDITIONS

The ASTM E 1527-13 Standard defines *de minimis* conditions as those conditions which "do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies." The ASTM E 1527-13 Standard notes that "conditions determined to be *de minimis* are not recognized environmental conditions."

De minimis conditions were not identified in connection with the subject site.

SUMMARY AND RECOMMENDATIONS

In summary, one REC was identified in connection with the subject site during this Phase I.

The remainder of this report contains additional information regarding the Phase I, the resulting findings summarized above, and limitations affecting this report.

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1. Introduction

Haley & Aldrich of New York (Haley & Aldrich) has performed a Phase I Environmental Site Assessment (Phase I) of the 374 Wallabout Street property in Brooklyn, New York (herein referred to as the "subject site"). The scope of work is described and conditioned by our proposal dated 26 April 2022. This Phase I was performed for Mr. Joel Fried, who seeks to redevelop the property for residential use.

1.1. OBJECTIVE

The objective of a Phase I is to assess whether "recognized environmental conditions" (REC), historical RECs (HREC), and controlled RECs (CREC) are associated with the subject site by evaluating site history, interviews, existing observable conditions, current site use, and current and former uses of adjoining properties as well as potential releases at surrounding properties that may impact the subject site. Our conclusions are intended to help the User evaluate the "business environmental risk" associated with the subject site.

RECs are defined in the ASTM E 1527-13 Standard as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment." The definitions of RECs, HRECs, and CRECs are included in the Glossary section of this report.

1.1 SCOPE OF SERVICES

This work was performed by Haley & Aldrich and this Phase I was performed in conformance with the scope and limitations of the ASTM E 1527-13 Standard and All Appropriate Inquiries (AAI) Rule[2] and in accordance with our proposal to Mr. Joel Fried dated 26 April 2022 ("Agreement") as authorized on 25 May 2022. The Phase I limitations and Agreement are attached hereto as Appendix A.

As part of this Phase I, Haley & Aldrich conducted visual observations of site conditions and of abutting property use (site reconnaissance); reviewed federal, state, tribal, and local environmental database information, federal and state environmental files, previous reports (if identified and provided), and historical site use records; and formulated conclusions regarding the potential presence and impact of RECs.

1.2 NON-SCOPE CONSIDERATIONS

The ASTM E 1527-13 Standard includes the following list of "additional issues" that are non-scope considerations outside of the scope of the ASTM Phase I practice: asbestos-containing materials, biological agents, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered

[2] American Society for Testing and Materials (ASTM) E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process as referenced in 40 Code of Federal Regulations (CFR) Part 312 (the All Appropriate Inquiries [AAI] Rule) ("ASTM E 1527-13 Standard"). Specified terms as are used in ASTM E 1527-13 are highlighted in blue in this report and defined in the Glossary at the end of the report text.

species, indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment, and mold. These items were not included in this Phase I of the subject site.

Note that PCBs may be present in miscellaneous building materials such as caulking, sealants, insulation and sound dampening materials, paint, gaskets, roofing and siding materials, waterproofing compounds, enamel coatings, and other chemical products manufactured prior to 1979. Evaluating the subject site-building for potential PCB-containing building materials and possible PCB-containing materials other than "electrical or hydraulic equipment known or likely to contain PCBs" was outside the scope of this Phase I.

1.3 LIMITING CONDITIONS/DEVIATIONS

Haley & Aldrich completed this Phase I in substantial conformance with the ASTM E 1527-13 Standard.

With the exception of the deviations listed below, we did not make additions to or deviate from the ASTM E 1527-13 Standard to complete this Phase I.

An interview with a Key Site Manager was not performed in conjunction with the site visit as a Key Site Manager was not identified. This is considered a data gap. Based upon historical data collected from other sources, this data gap is not expected to adversely impact the results of this assessment.

1.4 USER RESPONSIBILITIES

The completion of this Phase I is only one component of the process required to satisfy the AAI Rule. In addition, the User must adhere to a set of user responsibilities as defined by the ASTM E 1527-13 Standard and the AAI Rule. User responsibilities are discussed in Section 6.6 of this report. A user seeking protection from Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability as an innocent landowner, bona fide prospective purchaser, or contiguous property owner must complete all components of the AAI process in addition to meeting ongoing obligations. AAI components, CERCLA liability relief, and ongoing obligations are discussed in the AAI Rule and in Appendix XI of the ASTM E 1527-13 Standard.

2. Site Description

A description of the subject site is detailed in the sections below. Refer to Figure 1 for a project locus and Figure 2 for a site plan showing relevant site features and adjacent properties.

2.1 SITE OWNERSHIP, LOCATION, AND VICINITY DESCRIPTION

Site Description		
Owner	Joel Fried	
Operator/Occupant	Unoccupied	
Current Site Use	Vacant	
Size	2,500 square feet (sq ft)	
Building Square Footage	4,125 sq ft	
USGS 7.5 Minute Topographic Map	Brooklyn, 2019	
Site County	Kings	
Zoning	R7A residential district	
Parcel Information	Block 2266, Lot 13	
Utilities	Water:	City of New York
	Sewerage:	New York City Department of Environmental Protection
	Electricity:	Consolidated Edison
	Gas/Oil/LPG:	N/A
Heating/Cooling System	Boiler/no cooling system	

Site Vicinity Description		
General Area Description	Mixed-use residential and commercial	
Adjoining Property Description	North:	Wallabout Street followed by an industrial-use garage utilized for storage, vacant land and a multi-story residential building.
	East:	Multi-story residential building
	South:	Asphalt-paved lot and a property under construction for development of a multi-story residential building.
	West:	Under construction for development of a multi-story residential building

2.2 PHYSICAL SETTING

Subsurface explorations and/or hydrogeologic investigations were not performed for this Phase I. Subject site geology and hydrology were evaluated on the basis of readily available public information or references and/or based upon our experience and understanding of subsurface conditions in the vicinity of the subject site. It is unknown to what extent localized variations in groundwater depth and flow occur on the subject site.

Physical Setting		Source
Topography Summary	The subject site is generally flat with a gentle slope to the west-southwest.	1,3
Site Elevation	Approximately 13 feet above mean sea level	1,2
Urban Land	Soil is described as Urban Land, which refers to soils that have been altered by human activities, thus making them unidentifiable. Typically, these soils have been mixed with other materials, such as brick and concrete (urban fill), and characteristics can only be determined by the on-site investigation.	2
Bedrock Formation	Bedrock underlying the subject site is part of the Raritan Formation, which consists of Cretaceous aged coastal plains deposits.	4
Depth to Bedrock	Greater than 100 ft bgs	2,4
Depth to Groundwater	Approximately 5-10 feet below ground surface (ft bgs)	5,6
Surface Water Flow Direction	Surface water appears to flow towards the west-southwest based on observed surface topography.	1,3

Physical Setting		Source
Regional Groundwater Flow Direction	Regional groundwater flow appears to flow to the north-northwest based on the proximity to the East River and its tributaries (i.e., Newtown Creek).	1, 6
Nearest Surface Water Body	The East River is located approximately 1-mile west of the subject site and Newtown Creek, a tributary to the East River, is located approximately 1-mile Northwest of the subject site.	1,2

Sources:

1. *Brooklyn 2019 USGS 7.5 Minute Topographic Map*
2. *EDR Radius Map Report with Geocheck- Inquiry Number 07004235.2r, dated 02 June 2022*
3. *Site visit conducted by Haley & Aldrich of New York 9 June 2022*
4. *USGS Bedrock Map of New York*
5. *USGS National Water Dashboard*
6. *Investigations completed at nearby properties.*

Environmentally Sensitive Areas		Source
Floodplain	No	1,2
Mapped Wetlands	No	1,3
Aquifer Protection Area/District	No	1
Watershed Protection District	No	1
Natural Resources Protection District	No	1
Floodplain	No	1,2

Sources:

1. *EDR Radius Map Report with Geocheck- 07004235.2r, dated 02 June 2022*
2. *FEMA Flood Map Service Center- https://msc.fema.gov/portal/home, accessed 06 June 2022*
3. *National Wetlands Inventory Map- https://www.fws.gov/wetlands/data/mapper.html, accessed 06 June 2022*

3. Previous Reports

Previously prepared reports for the subject site were not identified or provided as part of this assessment.

4. Site History

Haley & Aldrich assessed past usage of the subject site and adjoining properties through a review of:

Sanborn Fire Insurance Maps dated 1887, 1904, 1918, 1935, 1947, 1950, 1965, 1977, 1979, 1980, 1981, 1982, 1984, 1986, 1987, 1989, 1991, 1992, 1993, 1995, 1996, 2001, 2002, 2003, 2004, 2005, 2006, 2007

Topographic Maps dated 1897, 1898, 1900, 1947, 1956, 1967, 1979, 1995, 2013, 2016, 2019

Aerial Photographs dated 1924, 1951, 1954, 1966, 1974, 1976, 1980, 1984, 1991, 1994, 2006, 2009, 2013, 2017

City Directories dated 1928, 1934, 1940, 1945, 1949, 1960, 1965, 1970, 1973, 1976, 1980, 1985, 1992, 1994, 1997, 1999, 2000, 2004, 2005, 2009, 2014, 2017

Municipal records

Copies of information obtained from historical references reviewed are included in Appendix B. Unless otherwise noted below, per the ASTM standard, sources were reviewed dating back to the late 1800s or first developed use, whichever is earlier, and at 5-year intervals, if the use of the property has changed within the time period.

4.1 SUBJECT SITE

Earliest records from the late 1800s identify the subject site as developed and improved with a three-story dwelling in the northern portion of the property along Wallabout Street and a two-story dwelling in the southern portion of the property. By the mid-1940s, the two-story dwelling was razed. The three-story dwelling on the northern portion of the subject site remained unchanged and is present on the subject site today.

The table below provides a detailed summary of pertinent information from the historical sources reviewed:

Dates	Description of Subject Site	Sources
1887- Mid 1940s	The 1887 Sanborn Map shows the subject site as improved with a three-story dwelling in the northern portion of the property along Wallabout Street, and a two-story dwelling in the southern portion.	Sanborn Maps, Aerial Photographs, Topographic Maps
Mid-1940s-present	The structure formerly identified on the southern portion of the subject site is not identified in historical records after 1935 and Sanborn Maps and Aerial Photographs identify this southern portion of the subject site as undeveloped from the late 1940s until 2017 or later. The three-story dwelling on the northern portion of the subject site remains unchanged and present on the subject site property from the late 1800s through today.	Sanborn Maps, Aerial Photographs, Topographic Maps

4.2 ADJOINING PROPERTIES

The table below provides a summary of pertinent information from the historical sources reviewed regarding adjacent properties:

Dates	Description of Adjacent Properties	Sources
1887- early 1930s	North: Wallabout Street followed by two low-rise dwellings and a vacant property. By 1918, the vacant property was improved with a building identified as “Wheel Wright”. South: Low-rise dwellings and stores, including a fur factory on the southwest-adjoining property in the late 1800s and a carriage reupholstery facility on the south-adjacent property in the early 1900s. East: Three-story dwelling. West: Low-rise mixed-use (commercial/residential) property comprised of two low-rise buildings.	Sanborn Maps, Aerial Photographs
Mid-1930s-mid- 1970s	North: One of the north-adjacent dwellings was razed and depicted as vacant in the mid-1930s. By the late 1940s, this lot was improved with a one- to two-story truck body shop. The former “Wheel Right” facility is identified as “John Koerner’s Sons, Inc. Truck Body Bldg” (woodworking facility) by 1947. South: By the mid-1930s, these properties were rezoned into one larger parcel and occupied by a garage East: The 1974 Aerial Photograph shows the adjoining property as a vacant lot. West: The adjoining property is labeled “plumber” from the late 1940s to 2007 (most recent Sanborn Map reviewed).	Sanborn Maps, Aerial Photographs
Late 1970s-present	North: By the late 1970s, the formerly identified truck body buildings are identified as manufacturing and warehouse facilities. By 2001, several residential buildings are depicted on Sanborn Maps. South: Properties are identified as vacant from the late 1970s to 2007 (most recent Sanborn Map reviewed). East: Low-rise dwelling. The 2013 Aerial Photograph shows the adjoining property as a vacant lot. The 2017 Aerial Photograph shows the adjoining property as a large residential building. West: No significant changes identified.	Sanborn Maps, Aerial Photographs

5. Environmental Records Review

5.1 ENVIRONMENTAL DATABASE RECORDS SEARCH

Haley & Aldrich used the electronic database service Environmental Data Resources (EDR) to complete the environmental records review. The database search was used to identify properties that may be listed in the referenced agency records, located within the ASTM-specified approximate minimum search distances as shown in the table below. A description of each database searched is in provided in Appendix C. The complete environmental database report is provided in Appendix C. Pertinent information obtained from the database is summarized in Section 5.3 below.

Database Searched	Approximate Minimum Search Distance	Subject Site Listed?	Number of Sites within Search Distance[1]
1. NPL Sites	1 mile	No	0
2. Delisted NPL Sites	0.5 mile	No	0
3. CERCLIS[2] Sites	0.5 mile	No	0
4. CERCLIS-NFRAP[2] Sites	0.5 mile	No	2
5. Federal ERNS	Site only	No	Not Applicable
6. RCRA non-CORRACTS TSD Facilities	0.5 mile	No	0
7. RCRA CORRACTS TSD Facilities	1 mile	No	2
8. RCRA Generators	Site & Adjoining	No	0
9. Federal Institutional/Engineering Controls	Site Only	No	Not Applicable
10. State/Tribal Equivalent NPL Sites	1 mile	No	0
11. State/Tribal Equivalent CERCLIS[2] Sites	0.5 mile	No	2
12. State/Tribal Registered Storage Tanks	Site & Adjoining	No	0
13. State/Tribal Landfills and Solid Waste Disposal Sites	0.5 mile	No	2
14. State/Tribal Leaking Storage Tanks	0.5 mile	No	31
15. State/Tribal Institutional Controls/Engineering Controls	Site Only	No	Not Applicable
16. State/Tribal Voluntary Cleanup Sites	0.5 mile	No	40
17. State/Tribal Brownfield Sites	0.5 mile	No	16
18. Orphan Site List[3]	Site & Adjoining	No	0

Notes:

1. *Some sites may be included on multiple databases.*
2. *The US EPA retired the CERCLIS database in October 2013. In January 2016, the Superfund Enterprise Management System (SEMS), which replaces the CERCLIS database, became active. The CERCLIS database records search included as part of this assessment includes currently ascertainable data from the SEMS and SEMS-Archive databases as reported through the database vendor.*

3. *Haley & Aldrich also searched the Orphan Site List provided in the database report for the subject site and sites adjoining the subject site. Orphan sites are those that, due to incorrect or incomplete addresses, could not be mapped.*

5.2 ADDITIONAL ENVIRONMENTAL RECORDS OR FILE REVIEW

To supplement the environmental record search, we contacted the following state and local government agencies and searched applicable online databases. If copies of the documents reviewed were obtained, pertinent material is included in Appendix C. Relevant information obtained is included in the appropriate sections of the report and/or discussed in Section 5.3 below. Adjacent properties were also included in requests for additional information if a significant incident or release was identified. Those adjacent properties reviewed for this assessment include:

Former Pfizer Sites B and D: 73-87 & 59-71 Gerry Street Brooklyn, New York 11206

Agency	Request Sent, or Files Searched		Files Exist and are Available for Review	Files Reviewed
	Subject Site	Adjoining Properties		
New York State Department of Environmental Conservation[2]	Yes	No	No	N/A
New York State Department of Finance City Registry[3]	Yes	No	Yes	Yes (online)
New York City Department of Buildings[4]	Yes	No	Yes	Yes (online)
New York City Department of Health[5,1]	Yes	No	No	N/A
Fire Department of New York[6,1]	Yes	No	No	N/A
New York State Department of Environmental Protection[7,1]	Yes	No	No	N/A
New York City Office of Environmental Remediation[8,1]	Yes	No	No	N/A
United States Environmental Protection Agency[9,1]	Yes	No	No	N/A

Notes:

1. *To date, no responses have been received from the Freedom of Information Act (FOIA) requests noted above. Based on the information obtained through our interviews with key site personnel and our review of other records, it does not appear that responses to the FOIA requests should affect our conclusions regarding RECs on the site. However, when a response is received, it will be forwarded to Joel Fried and, if it affects our conclusions regarding the site, Joel Fried will be informed.*
2. *The New York State Department of Environmental Conservation (NYSDEC) maintains information regarding spills, petroleum bulk storage (PBS), including underground storage tanks (UST) and above ground storage tanks (AST), and investigation/remediations overseen by New York State regulatory programs. A response has not yet been received by the NYSDEC.*
3. *The New York City Department of Finance City Register maintains information regarding property transactions, including deeds, lease, and mortgage documents. Records were reviewed in the online database.*

4. *The New York City Department of Buildings (NYCDOB) maintains information regarding violations, complaints, certificates of occupancy, elevator records, asbestos assessments, and permits. Records were reviewed in the online database, which included a Certificate of Occupancy for the subject site.*
5. *The New York City Health Department maintains information regarding environmental concerns for public health. A response has not yet been received by the NYCDOH.*
6. *The Fire Department of New York maintains information regarding underground storage tanks (USTs) and emergencies/fire episodes. A response has not yet been received by the FDNY.*
7. *The New York City Department of Environmental Protection maintains information regarding wastewater discharge and boilers. A response has not yet been received by the NYCDEP.*
8. *The New York City Office of Environmental Remediation maintains information regarding investigation/remediations, manages the New York City Voluntary Cleanup Program, and assists with guidance through all the City Environmental Quality Review (CEQR) requirements.*
9. *The United States Environmental Protection Agency*

5.3 DETAILED DESCRIPTION OF RELEVANT INFORMATION

5.3.1 Subject Site

The subject site was not identified in any databases searched by EDR.

5.3.2 Nearby Sites

Several nearby sites were listed in the database report within the applicable search radii or identified in regulatory records reviews. Due to their location with respect to the subject site (on the opposite side of a hydrogeologic barrier, distance from the site, location of the site relative to inferred groundwater flow, or their status (closed out release, etc.), several of the sites are not likely to adversely affect the subject site and are not discussed herein. Only those sites adjacent to the subject site and sites with a potential to have impacted the subject site are discussed below. The complete database report and relevant records review information are included in Appendix C.

Property Name & Location	Database/ Record Identified	Description	Potential Impact to Subject Site
Pfizer Sites B and D: 73-87 Gerry Street & 59-71 Gerry Street (adjoining- 84 ft SE)	RCRA, Manifest, NY Spills, LTANKS, Brownfields, Engineering Controls, Institutional Controls, VCP	This property, located upgradient of the subject site, is listed in the NY Manifest database for the transportation of wastes and in the RCRA very small quantity generator database for generation of hazardous waste at 73 Gerry Street. Additionally, at 81-85 Gerry Street, there is a listing in the NY Manifest and large quantity generator databases for hazardous lead. The property located at Pfizer Site B, 73-87 Gerry Street, is listed in the NY Spills database as Case No. 9704207. A spill was reported on 14 May 1996 when an environmental investigation identified petroleum-impacted soil. Details were not provided regarding remediation; however, the case achieved regulatory closure on 14 November 2006. Pfizer Inc. is also listed in the LTANKS database as Case No. 9203348 due to tank failure on 19 June 1992. Contaminated soil was stockpiled into dumpsters, characterized, and was properly disposed of off-site. The case achieved regulatory closure on 22 June 1992.	While this property has been remediated through the BCP and VCP and engineering controls have been implemented to address the residual contamination, due to known chlorinated VOC contamination in both soil vapor and groundwater, and proximity of the Pfizer Sites B & D located hydraulically upgradient to the subject site, impacted soil vapor and/or groundwater may have migrated and be present at the subject site.

Property Name & Location	Database/ Record Identified	Description	Potential Impact to Subject Site
Pfizer Sites B and D: 73-87 Gerry Street & 59-71 Gerry Street (adjoining- 84 ft SE) (Cont.)	RCRA, Manifest, NY Spills, LTANKS, Brownfield, Engineering Controls, Institutional Controls, VCP	This entire Pfizer property (Pfizer Sites B and D) is listed in the New York Voluntary Cleanup Program (VCP) as Site V00350 with Pfizer Site B listed in the BCP as Site C224101. The property was separated into three operable units. Preliminary investigations at the site included on- and off-site delineation of petroleum-related contamination in fill material in addition to implementing Interim Remedial Measures (IRM) in December 2002. This included the removal of 4,735 tons of petroleum-impacted soils and 18,449 gallons of groundwater. Nine USTs were also removed from the site and transported off-site for disposed. Results of the investigation identified a plume of groundwater contamination that extended north of the property border and migrating north-northeast. Additional remediation in the form of soil excavation and in-situ chemical oxidation of groundwater occurred at the property in 2015 and 2016. A Final Engineering Report and Site Management Plans for each operable unit were submitted to NYSDEC in June 2018.	While this property has been remediated through the BCP and VCP and engineering controls have been implemented to address the residual contamination, due to known chlorinated VOC contamination in both soil vapor and groundwater, and proximity of the Pfizer Sites B & D located hydraulically upgradient to the subject site, impacted soil vapor and/or groundwater may have migrated and be present at the subject site.

Property Name & Location	Database/ Record Identified	Description	Potential Impact to Subject Site
Pfizer Sites B and D: 73-87 Gerry Street & 59-71 Gerry Street (adjoining- 84 ft SE) (Cont.)	RCRA, Manifest, NY Spills, LTANKS, Brownfield, Engineering Controls, Institutional Controls, VCP	The Pfizer property is listed in the Engineering Controls and Institutional controls database. Prior to the remediation, the primary contaminants of concern were chlorinated VOCs, specifically tetrachloroethene (PCE) and its degradation products impacting soil, groundwater, and soil vapor, and remaining petroleum VOC contamination. In 2006, an air sparge/soil vapor extraction (AS/SVE) system was installed to address groundwater contamination remaining on-site following the soil and tank excavations. The system operated from October 2006 through February 2011 and quarterly groundwater monitoring indicated that the system was effective at treating remaining petroleum-related VOCs in groundwater. To address remaining chlorinated VOC contamination, a sub-slab depressurization system and vapor barrier were installed in new buildings as engineering controls for the site. Remedial measures are reported to be complete and engineering controls are operational to protect human health and the environment and to prevent contact with residual contamination remaining at the property.	While this property has been remediated through the BCP and VCP and engineering controls have been implemented to address the residual contamination, due to known chlorinated VOC contamination in both soil vapor and groundwater, and proximity of the Pfizer Sites B & D located hydraulically upgradient to the subject site, impacted soil vapor and/or groundwater may have migrated and be present at the subject site.

Property Name & Location	Database/ Record Identified	Description	Potential Impact to Subject Site
Wallabout Buildings: 376-382 Wallabout Street (adjoining- 9 ft NNE)	RCRA NonGen/NLR, FINDS, ECHO, Manifest, VCP	This property (EPA ID: NYR000203521), located down-gradient of the subject site, is listed in the RCRA Non-Generator/NLR database as a handler/owner-operator of hazardous lead (waste code D008) in 2012. Historically, in 2013, this property was listed as a RCRA Large Quantity Generator (LQG) (waste code not listed). This property was listed in the NY Manifest database in 2018 for transporting approximately 55,760 pounds of hazardous lead. This property is listed in the FINDS and ECHO databases. This property participated in the New York VCP (Project ID 13CVCP150K) and the New York City OER program (Project ID 13EHAN469K) through completion status.	The Site satisfied the requirements of the VCP and NYC OER Program. Furthermore, no violations or environmental concerns have been reported for this site; therefore, this site does not have the potential to adversely impact the subject site and/or represent a REC.
376 Wallabout Street (adjoining - 9 ft NNE)	E-Designation	This property is listed with an environmental E-Designation (E-238) for hazardous materials, noise and air quality resulting from a City Environmental Quality Review (CEQR) effective 22 December 2009 (CEQR # 09HPD019K).	No violations or environmental concerns have been reported for this site; therefore, this site does not have the potential to adversely impact the subject site and/or represent a REC.

Property Name & Location	Database/ Record Identified	Description	Potential Impact to Subject Site
Con Edison Service Box: 7969: 372 Wallabout Street (adjoining - 11 ft W)	RCRA NonGen/NLR, Manifest	This property (EPA ID: NYP004446217), located upgradient of the subject site, is listed in the RCRA Non-Generator/NLR database as a handler/operator of unknown waste in 2014. This site also registered with RCRA as a Conditionally Exempt Small Quantity Generator (CESQG) (waste code not listed) in 2014. This property was listed in the NY Manifest database in 2018 for transporting approximately 100 gallons of hazardous lead.	No violations or environmental concerns have been reported for this site; therefore, this site does not have the potential to adversely impact the subject site and/or represent a REC.
Con Edison Service Box: 7967: 285 Wallabout Street (adjacent – 13 ft NW)	NY Spills	This property, located cross-gradient of the subject site, is listed in the NY Spills database as Case No. 0505280. During a service cut, approximately 3 pints of unknown oil and 50 gallons of water was observed in the service box. The source and cause of the spill was unknown. The service box was washed, and the case achieved regulatory closure on 28 September 2005.	Since this property is located hydraulically cross-gradient of the subject site and received regulatory closure, it is not considered an environmental concern.
289 Wallabout Street (adjacent – 13 ft NW)	E-Designation	This property is listed with an environmental E-Designation (E-238) for hazardous materials, noise and air quality resulting from a City Environmental Quality Review (CEQR) effective 22 December 2009 (CEQR # 09HPD019K).	No violations or environmental concerns have been reported for this site; therefore, this site does not have the potential to adversely impact the subject site and/or represent a REC.

Property Name & Location	Database/ Record Identified	Description	Potential Impact to Subject Site
291 Wallabout Street (adjacent – 13 ft NW)	E-Designation	This property is listed with an environmental E-Designation (E-238) for hazardous materials, noise and air quality resulting from a City Environmental Quality Review (CEQR) effective 22 December 2009 (CEQR # 09HPD019K).	No violations or environmental concerns have been reported for this site; therefore, this site does not have the potential to adversely impact the subject site and/or represent a REC.

5.4 VAPOR MIGRATION

The ASTM 1527-13 standard states that "for the purposes of this practice, "migrate" and "migration" refers to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface." Thus, this section specifies whether or not we perceive a risk of vapor migration to the subject site.

To assess a vapor migration risk, we conducted a detailed review and analysis of the site-specific environmental database report and/or other reasonably ascertainable records to assess whether:

1. Off-site properties have documented chlorinated volatile organic compound (VOC) contamination located within 100 feet of the subject property, or
2. Off-site properties have documented volatile petroleum hydrocarbon contamination within 30 feet of the subject property.

Based on our records review, we have identified and assessed the following potential sources for vapor migration:

The property adjoining the subject site to the south/southeast, formerly Pfizer Sites B and D, located at 59-71 and 73-87 Gerry Street, has documented the presence of chlorinated VOCs in soil and groundwater. While this property has been remediated under the BCP with engineering and institutional controls put in place to address the residual contamination, due to the proximity of the Pfizer Sites B & D located hydraulically upgradient to the subject site, impacted soil vapor may have migrated and could be present under the subject site.

Additionally, adjacent properties in the surrounding area were historically used for industrial/manufacturing purposes. Frequently, industrial/manufacturing facilities use hazardous chemicals such as lubricants and/or cleaning agents, and petroleum constituents as well as chlorinated solvents for equipment maintenance.

If improperly disposed, the abovementioned hazardous chemicals related to current and/or historical operations at nearby properties have the potential to impact soil and groundwater beneath the surface.

If present in groundwater, VOCs, typical of products used in manufacturing and dismantling facilities, could volatilize into soil vapor.

6. Site Reconnaissance and Key Personnel Interview(s)

A site visit to observe subject site conditions was conducted by Yanxia Lin of Haley & Aldrich on 9 June 2022. Access to the subject site was provided by Solomon Falkowitz, the Owner's representative and manager of the neighboring construction site.

Haley & Aldrich personnel observed accessible interior areas of the subject site building, including apartment units, mechanical spaces, and cellar. Haley & Aldrich also observed the exterior portions of the subject site, including the property boundaries, and observed adjoining property conditions from the subject site boundaries and/or public thoroughfares. No weather-related conditions or other conditions that would limit our ability to observe the subject site or adjoining properties occurred during our site visit.

Per the ASTM Standard, past owners, operators, and occupants of the subject site who are likely to have material information regarding the potential for contamination at the subject property shall be contacted to the extent that they can be identified and that the information likely to be obtained is not duplicative of information already obtained from other sources. Haley & Aldrich was not provided with contact information to interview past owners and/or operators at the subject site. An interview with a Key Site Manager was not performed in conjunction with the site visit as a Key Site Manager was not identified. This is considered a data gap; however, based upon historical data collected from other sources, this data gap is not expected to adversely impact the results of this assessment.

The findings of the site visit are discussed below. Site photographs are included in Appendix D.

ASTM E 1527-13 Standard Section 10.8 requires that, prior to the site visit**,** the current subject site owner or key site manager and User, if different from the current owner or key site manager, be asked if there are any helpful documents that can be made available for review. Documents were not provided.

6.1 CURRENT USE OF THE PROPERTY

The property is currently unoccupied.

6.2 GENERAL DESCRIPTION OF STRUCTURES

The subject site is improved with a three-story residential apartment building which includes a partial cellar and rear yard. The partial cellar contains a boiler and furnace and is utilized for storage. The apartment units are undergoing renovation. The rear yard contains building debris and supplies from the interior renovations.

6.3 USE, STORAGE, AND DISPOSAL OF PETROLEUM PRODUCTS AND HAZARDOUS MATERIALS

Other petroleum/hazardous materials observed at the subject site included:

Petroleum Product or Hazardous Substances	Quantity Stored & Container	Storage Location	Use	Disposal	Observations/ Evidence of release
Sheetrock all-purpose joint compound	5-gallon bucket	Cellar and rear yard	Interior renovations	Unknown	None observed
Paint	1-gallon containers	Cellar	Interior Renovations	Unknown	None observed
Propane	20-pound tanks	Cellar	Unknown	Unknown	None observed

These containers were observed to be in good condition and stored properly with no evidence of leaks or nearby floor drains.

6.4 OTHER SUBJECT SITE OBSERVATIONS

The table below summarizes items that were observed and/or reported at the subject site during the site visit other than those items related to the use, storage, and disposal of petroleum or hazardous materials (described in Section 6.3 above). If items were observed or reported, they are further described either in the table or below.

Description	Observed or Reported at Time of Site Visit	Observations/Comments
Potable Water Supply	N/A	
Nearest Drinking Water Source	No	
Sewage Disposal System	N/A	
Septic System	No	
Unidentified Storage Containers	No	
Wastewater Discharge	No	
Stormwater Discharge	No	
Odors	No	
PCBs Associated with Electrical or Hydraulic Equipment	No	
Elevators (Traction or Hydraulic)	No	
Vehicle Maintenance Lifts	No	
Emergency Generators	No	

Description	Observed or Reported at Time of Site Visit	Observations/Comments
Sprinkler System Pumps	No	
Heating System	Yes	Boiler (not currently in operation)
Cooling System	No	
Stains or Corrosion on Floors, Walls, or Ceilings	No	No
Floor Drains	Yes	Located in cellar
Sumps	No	
Catch Basins	No	
Pits, Ponds, Lagoons, and Pools of Liquid	No	
Stained Soil or Pavement	No	
Stressed Vegetation	No	
Solid Waste and Evidence of Waste Filling	No	
Dry Wells	No	
Monitoring Wells	No	
Water Supply Wells	No	
Irrigation Wells	No	
Injection Wells	N/A	
Abandoned Wells	No	

Notes:

1. *N/A items are those that were not observed or reported and/or not anticipated to be present given the nature of the site (e.g., building features not present on an undeveloped property).*

6.5 ADJOINING PROPERTY OBSERVATIONS

The property adjoining the subject site to the north is currently developed with a multi-story residential apartment building. The property adjoining the subject site to the east is currently developed with a multi-story residential building and was formerly occupied by Pfizer. A property owned by Bikor Cholim adjoins the subject site to the south and is currently under construction for a new multi-story residential building. Wallabout Street adjoins the subject site to the west, followed by a commercial building and multi-story residential building. Haley & Aldrich did not observe any conditions at the adjoining properties that would have the potential to adversely affect the environmental integrity of the subject site.

6.6 USER RESPONSIBILITIES

The AAI Rule requires that the User of the report consider the following:

Whether the User has specialized knowledge about previous ownership or uses of the subject site that may be material to identifying RECs; whether the User has determined that the subject site's Title contains environmental liens or other information related to the environmental condition of the property, including engineering and institutional controls and Activity and Use Limitations (AULs), as defined by ASTM; whether the User is aware of commonly known or reasonably ascertainable information about the subject site, including whether or not the presence of contamination is likely on the subject site and to what degree it can be detected; and, whether the User has prior knowledge that the price of the subject site has been reduced for environmentally-related reasons.

While such information is not required to be provided by the environmental professional(s), the information can assist the environmental professional in identifying recognized environmental conditions. The "All Appropriate Inquiries" Final Rule (40 CFR Part 312) requires that these tasks be performed by or on behalf of a party seeking to qualify for an LLP to CERCLA liability.

Haley & Aldrich was not provided with a completed user responsibilities questionnaire.

7. Findings and Opinions

7.1 DATA GAPS

Our ability to identify and evaluate RECs at the subject site is conditioned upon data gaps identified as part of this Phase I. An interview with a Key Site Manager was not performed in conjunction with the site visit as a Key Site Manager was not identified. This is considered a data gap; however, based upon historical data collected from other sources, this potential data gap is not expected to adversely impact the results of this assessment. Thus, it is our opinion that sufficient information was obtained to identify subject site conditions indicative of releases or threatened releases of hazardous substances and petroleum hydrocarbons. Our opinion is limited by the conditions prevailing at the time our work is performed and the applicable regulatory requirements in effect.

7.2 RECOGNIZED ENVIRONMENTAL CONDITIONS

The ASTM E 1527-13 Standard defines a REC in part as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment."

Our opinion regarding a REC's potential impact on the subject site is based on the scope of our work, the information obtained during the course of our work, the conditions prevailing at the time our work was performed, the applicable regulatory requirements in effect at the time our work was performed, our experience evaluating similar sites, and on our understanding of the client's intended use for the subject site.

The following REC was identified in connection with the subject site:

REC #1 - Known Contamination at Former BCP Site (Pfizer Sites B & D) Located Upgradient and Adjacent to Subject Site

The property located upgradient and south-adjacent to the subject site, known as Pfizer Sites B & D, was formerly subject to investigation and remediation within the Brownfield Cleanup Program (BCP). The primary contaminants of concern included chlorinated VOCs in groundwater, soil, and soil vapor. Remedial action was conducted and engineering controls were implemented to prevent future migration or contact with contamination left at the site. Further, the most recent groundwater sampling event (conducted in April 2021) indicated concentrations of chlorinated VOCs above regulatory criteria in groundwater samples collected from monitoring wells located both north and south of the subject site. While the property has been remediated under the BCP and implemented engineering controls to address the residual contamination, due to the proximity of the Pfizer Sites B & D located hydraulically upgradient to the subject site, impacted soil vapor and/or groundwater may have migrated and be present at subject site. Based on this, the former BCP Site (Pfizer Sites B & D) is considered a REC.

7.3 CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS

The ASTM E 1527-13 Standard defines a CREC as a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction

of the applicable regulatory authority with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

CRECs were not identified in connection with the subject site.

7.4 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS

The ASTM E 1527-13 Standard defines an HREC as an environmental condition "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

HRECs were not identified in connection with the subject site.

7.5 DE MINIMIS CONDITIONS

The ASTM E 1527-13 Standard defines *de minimis* conditions as those conditions which "do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies." The ASTM E 1527-13 Standard notes that "conditions determined to be *de minimis* are not recognized environmental conditions."

De minimis conditions were not identified in connection with the subject site.

8. Conclusions

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of the ASTM Practice E 1527 of 374 Wallabout Street, in Brooklyn, New York, the property. Any exceptions to or deletions from this practice are described in Section 1.4 of this report.

This assessment has revealed evidence of one REC in connection with the subject site.

9. Environmental Professional Certification

The undersigned declare the following:

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR Part 312 and

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Zachary Simmel
Senior Engineer

Elizabeth R. Scheuerman
Assistant Project Manager

James M. Bellew
Principal

10. Credentials

This Phase I report was prepared by Elizabeth Scheuerman, under the direct supervision of James Bellew, who served as the Environmental Professional for this project. Qualification information for the project personnel is provided below.

James M. Bellew is a Senior Associate at Haley & Aldrich with strong environmental background and thirteen years of experience in bedrock, soil, and groundwater investigation with a focus on remedial design and implementation.

Elizabeth Scheuerman is an Assistant Project Manager at Haley & Aldrich with more than 6 years of experience conducting environmental investigations, including Phase I Environmental Site Assessments, to determine the risk and extent of soil contamination and hazardous materials.

Zachary Simmel is a Senior Engineer at Haley & Aldrich with strong environmental background and 5 years of experience in soil and groundwater investigation, and experience conducting environmental investigations, including Phase I Environmental Site Assessments.

11. Glossary and Other Descriptions

All Appropriate Inquiry (AAI) — that inquiry constituting "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in CERCLA, 42 USC §9601(35)(B), that will qualify a party to a commercial real estate transaction for one of the threshold criteria for satisfying the LLPs to CERCLA liability (42 USC §9601(35)(A) & (B), §9607(b)(3), §9607(q); and §9607(r)), assuming compliance with other elements of the defense.

Business Environmental Risk — a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations.

Controlled Recognized Environmental Condition (CREC) – a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by the regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

Data Gap — a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to site reconnaissance (for example, an inability to conduct the site visit) and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.).

De Minimis Conditions — conditions that do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* conditions are not recognized environmental conditions nor controlled recognized environmental conditions.

Environmental Professional — a person, meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b).

Historical Recognized Environmental Condition (HREC) — a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

Key Site Manager — the person identified by the owner or operator of a property as having good knowledge of the uses and physical characteristics of the property.

Material Threat —a physically observable or obvious threat that is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in an impact to

public health or the environment. An example might include an aboveground storage tank system that contains a hazardous substance, and which shows evidence of damage. The damage would represent a material threat if it is deemed serious enough that it may cause or contribute to tank integrity failure with a release of contents to the environment.

Orphan Site — (not ASTM E 1527-13 definition) — sites that could not be mapped due to poor or inadequate address information.

Recognized Environmental Condition (REC) — the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized as environmental conditions.

11.1 DESCRIPTIONS OF DATABASES SEARCHED

Numerous regulatory databases were searched during this Phase I. Each database reviewed is described in the database report presented in Appendix C. Those databases required by the ASTM E 1527-13 Standard are identified below.

1. **NPL Sites:** The National Priorities List (NPL) is a list of contaminated sites that are considered the highest priority for cleanup by the US Environmental Protection Agency (USEPA).
2. **Delisted NPL Sites:** The Delisted National Priorities List (NPL) is a list of formal NPL sites formerly considered the highest priority for cleanup by the USEPA that met the criteria of the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) for deletion from the NPL because a no further response was appropriate.
3. **CERCLIS Sites:** The Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS) list identifies sites which are suspected to have contamination and require additional investigation to assess whether they should be considered for inclusion on the NPL.
4. **CERCLIS-NFRAP Sites:** CERCLIS-NFRAP status indicates that a site was once on the CERCLIS List but has No Further Response Actions Planned (NFRAP). Sites on the CERCLIS-NFRAP List were removed from the CERCLIS List in February 1995 because, after an initial investigation was performed, no contamination was found, contamination was removed quickly, or the contamination was not significant enough to warrant NPL status.
5. **Federal ERNS:** The Federal Emergency Response Notification System (ERNS) list tracks information on reported releases of oil and hazardous materials.
6. **RCRA non-CORRACTS TSD facilities:** The Resource Conservation and Recovery Act (RCRA) non-CORRACTS TSD Facilities List tracks facilities which treat, store, or dispose of hazardous waste and are not associated with corrective action activity.
7. **RCRA CORRACTS TSD facilities:** The RCRA CORRACTS TSD Facilities list catalog facilities that treat, store, or dispose of hazardous waste and have been associated with corrective action activity.

8. **RCRA Generators:** The RCRA Generator list is maintained by the USEPA to track facilities that generate hazardous waste.
9. **Federal Institutional Controls/Engineering Controls:** The Federal Institutional Control list and Engineering Control list are maintained by the USEPA. Some Institutional Control and Engineering Control information may not be made publicly available and therefore will not be included on this registry.
10. **State and Tribal Equivalent NPL/CERCLIS Sites:** The (ASTM E 1527-13 Standard) requires searching "State and Tribal Equivalent NPL Sites." In New York, the equivalent NPL is the Inactive Hazardous Waste Disposal Sites, which is maintained by the NYSDEC.
11. **State and Tribal Registered Storage Tanks:** The NYSDEC maintains a list of aboveground and underground storage tanks registered with the NYSDEC Petroleum Bulk Storage program.
12. **State and Tribal Landfills and Solid Waste Disposal Sites:** NYSDEC maintains a list of regulated waste disposal sites.
13. **State and Tribal Leaking Storage Tanks:** NYSDEC maintains a list of Leaking Storage Tanks (LUST/LAST). The LUST/LAST lists are a listing of release sites that have an Underground or Aboveground Storage Tank listed as the source.
14. **State and Tribal Institutional Controls/Engineering Controls:** NYSDEC maintains a list of sites with Institutional controls or Engineering controls in place.
15. **State and Tribal Voluntary Cleanup Sites:** NYSDEC maintains a list of Voluntary Cleanup sites.
16. **State and Tribal Brownfield Sites:** NYSDEC maintains a list of Brownfield sites which includes properties where redevelopment or re-use may be compromised by the presence or presumed presence of hazardous materials or petroleum.

References

1. Aerial Photographs dated 1924, 1951, 1954, 1966, 1974, 1976, 1980, 1984, 1991, 1994, 2006, 2009, 2013, 2017.

2. City Directories dated 1928, 1934, 1940, 1945, 1949, 1960, 1965, 1970, 1973, 1976, 1980, 1985, 1992, 1994, 1997, 1999, 2000, 2004, 2005, 2009, 2014, 2017.

3. EDR Inquiry No. 07004235.2r, Database Report, dated 02 June 2022.

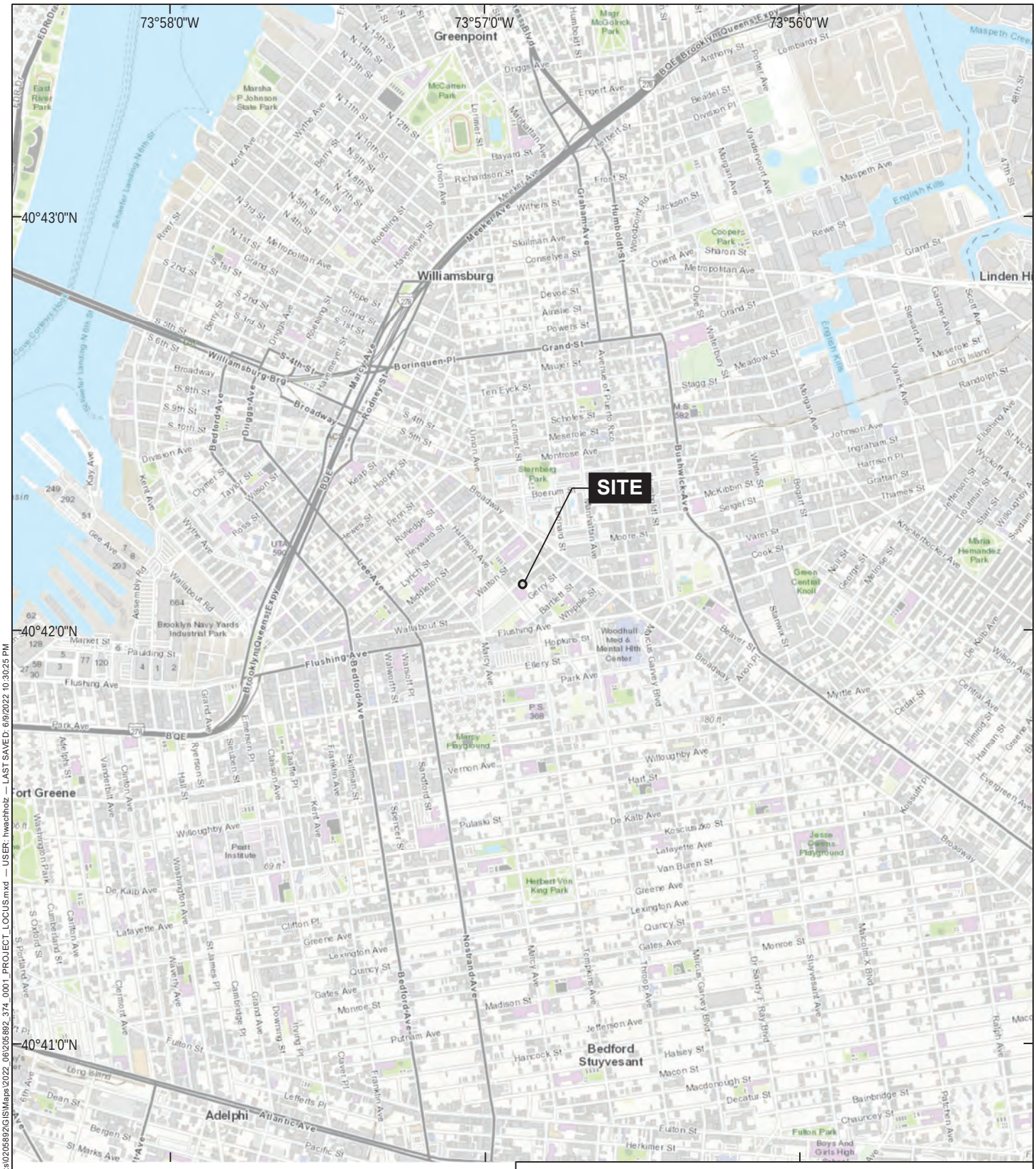
4. Haley & Aldrich of New York, site visit conducted by Yanxia Lin on 09 June 2022.

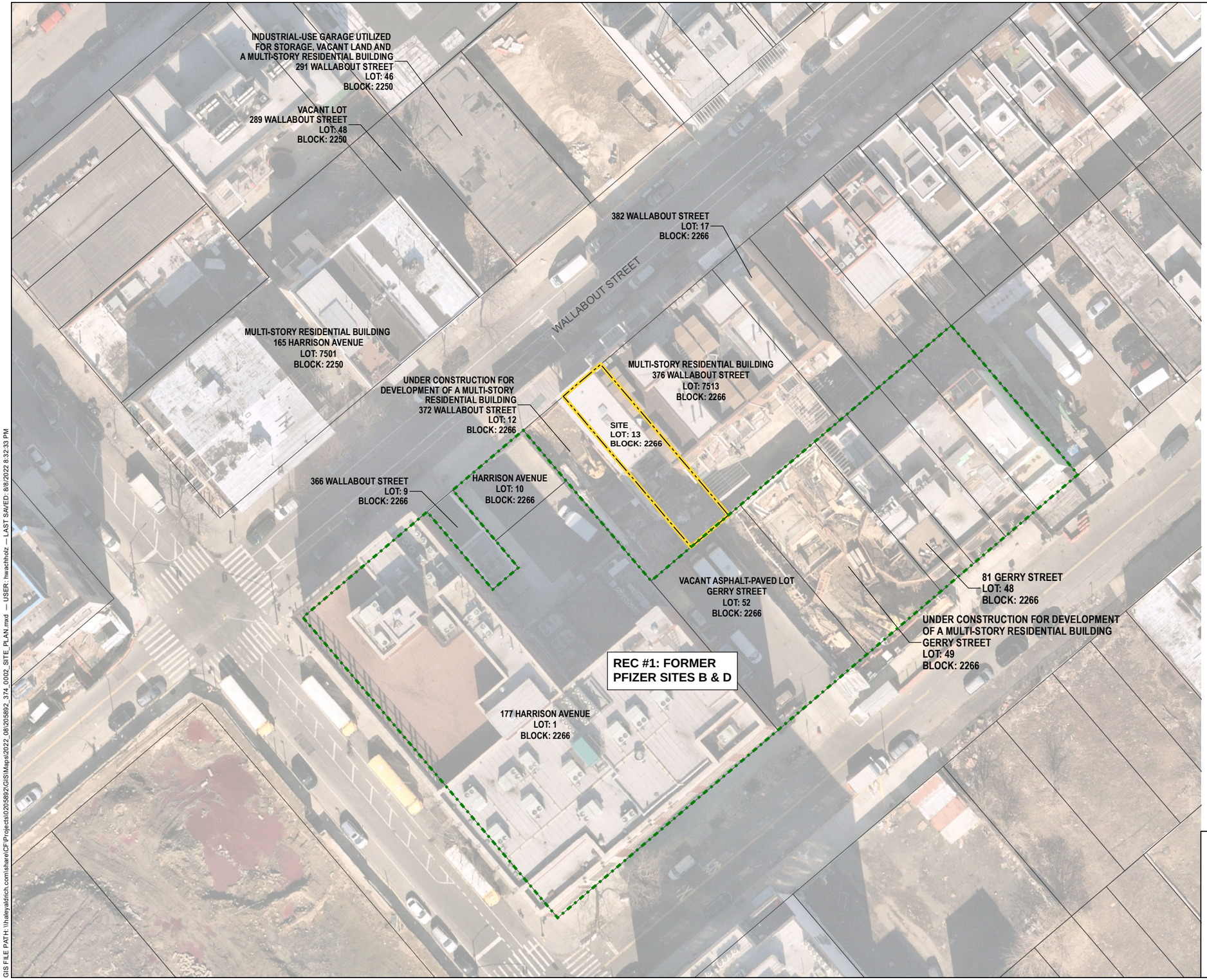
5. Sanborn Fire Maps dated 1887, 1904, 1918, 1935, 1947, 1950, 1965, 1977, 1979, 1980, 1981, 1982, 1984, 1986, 1987, 1989, 1991, 1992, 1993, 1995, 1996, 2001, 2002, 2003, 2004, 2005, 2006, 2007.

6. Topographic Map, Brooklyn, United States Geological Survey 7.5 minute series, 2013.

7. Topographic Map, Brooklyn, United States Geological Survey 7.5 minute series, 2013.

FIGURES


73°58'0"W
73°57'0"W
73°56'0"W
40°43'0"N
40°42'0"N
40°41'0"N
SITE
Greenpoint
Williamsburg
Bedford Stuyvesant
Fort Greene
Adelphi
Linden Hi
Brooklyn Navy Yards Industrial Park
Pratt Institute
Woodhull Med & Mental Hlth Center
Sternberg Park
McCarren Park
Marsha P Johnson State Park
Maspeth Creek
English Kills
Grand-St
Broadway
Flushing Ave
Myrtle Ave
Atlantic Ave
Fulton St
Bedford Ave
Nostrand Ave
Bushwick Ave
Graham Ave
Humboldt St
Lee Ave
Marcy Ave
Rodney St
Driggs Ave
Union Ave
Lorimer St
Manhattan Ave
Meeker Ave
Metropolitan Ave
Grand St
Division Ave
Park Ave
Willoughby Ave
De Kalb Ave
Lafayette Ave
Greene Ave
Lexington Ave
Quincy St
Gates Ave
Monroe St
Madison St
Jefferson Ave
Putnam Ave
Hancock St
Halsey St
Macon St
Decatur St
Bainbridge St
Chauncey St
Fulton Park
Boys And Girls High
Herkimer St
Pacific St
Long Island
BQE
Brooklyn Queens Expy
Williamsburg Brg
Meserole St
Montrose Ave
Ten Eyck St
Stagg St
Scholes St
Maujer St
Powers St
Ainslie St
Devoe St
Conselyea St
Skillman Ave
Withers St
Frost St
Jackson St
Woodpoint Rd
Avenue of Puerto Rico
Lynch St
Middleton St
Walton St
Gerry St
Bartlett St
Whipple St
Moore St
Varet St
Cook St
Seigel St
McKibbin St
Bogart St
Morgan Ave
Johnson Ave
Ingraham St
Harrison Pl
Grattan St
Thames St
Flushing Ave
Wyckoff Ave
Troutman St
Starr St
Knickerbocker Ave
Wilson Ave
Central Ave
Evergreen Ave
Cedar St
Myrtle Ave
Willoughby Ave
Hart St
Vernon Ave
Pulaski St
Kosciuszko St
Van Buren St
Lexington Ave
Greene Ave
Quincy St
Gates Ave
Monroe St
Madison St
Jefferson Ave
Halsey St
Macon St
Macdonough St
Decatur St
Bainbridge St
Chauncey St
Fulton Park
Boys And Girls High
Herkimer St
Pacific St
Atlantic Ave
Adelphi
Long Island
Fort Greene
Brooklyn Navy Yards Industrial Park
Pratt Institute
Woodhull Med & Mental Hlth Center
Sternberg Park
McCarren Park
Marsha P Johnson State Park
Maspeth Creek
English Kills
Grand-St
Broadway
Flushing Ave
Myrtle Ave
Atlantic Ave
Fulton St
Bedford Ave
Nostrand Ave
Bushwick Ave
Graham Ave
Humboldt St
Lee Ave
Marcy Ave
Rodney St
Driggs Ave
Union Ave
Lorimer St
Manhattan Ave
Meeker Ave
Metropolitan Ave
Grand St
Division Ave
Park Ave
Willoughby Ave
De Kalb Ave
Lafayette Ave
Greene Ave
Lexington Ave
Quincy St
Gates Ave
Monroe St
Madison St
Jefferson Ave
Putnam Ave
Hancock St



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- FORMER PFIZER SITES B & D BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
3. AERIAL IMAGERY SOURCE: NEARMAP, 27 FEBRUARY 2022

N

0 50 100

SCALE IN FEET

HALEY ALDRICH

374 WALLABOUT STREET
BROOKLYN, NEW YORK

SITE PLAN

AUGUST 2022

FIGURE 2

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0205892\GIS\Maps\2022_08\205892_374_0002_SITE_PLAN.mxd — USER: hwachholz — LAST SAVED: 8/8/2022 8:32:33 PM

APPENDIX A
Phase I Environmental Site Assessment Limitations
Haley & Aldrich Proposal Dated 26 April 2022

HALEY & ALDRICH OF NEW YORK LIMITATIONS

Environmental site assessment ("ESA") reports prepared by Haley & Aldrich, Inc. (Haley & Aldrich) are for the sole and exclusive use of its Client. Haley & Aldrich represents that the ESA was prepared in accordance with the ASTM International Standard E1527-13 entitled "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" ("ASTM E 1527 13"). The findings, opinions, conclusions and information contained in the ASTM E 1527-13 ESA are limited to, and solely based upon, information reasonably ascertainable by Haley & Aldrich at the time the ASTM E 1527-13 ESA was completed.

All users of this ASTM E 1527-13 ESA are bound to the terms and conditions and limitations contained in the accompanying Proposal, Terms & Conditions, and Limitations for this ASTM E 1527-13 ESA. The findings, opinions, conclusions and information contained in this report are based solely on the Scope of Services provided pursuant to the Proposal and its attachments and the information reasonably ascertainable by Haley & Aldrich at the time the ASTM E 1527-13 ESA was completed. Haley & Aldrich has not performed any additional observations, investigations, studies, or other testing not specified in the Scope of Services. Haley & Aldrich shall not be liable for the existence of any condition the discovery of which would have required the performance of services not authorized under the Scope of Services.

This ASTM E 1527-13 ESA is prepared for the exclusive use of Haley & Aldrich's client in connection with the subject property for the purpose of assessing the potential or existing environmental contamination liabilities associated with the subject property. There are no intended beneficiaries other than Haley & Aldrich's client. Haley & Aldrich shall owe no duty whatsoever to any other person or entity by issuing the ASTM E 1527-13 ESA. Use of this ASTM E 1527-13 ESA by any person or entity, including by Haley & Aldrich's client, for a purpose other than for the purpose of assessing the potential or existing environmental contamination liabilities associated with the subject property is expressly prohibited unless such person or entity obtains written authorization from Haley & Aldrich indicating that the ASTM E 1527-13 ESA is adequate for such other use. Use of this ASTM E 1527-13 ESA by any person or entity for such other purpose without written authorization by Haley & Aldrich shall be at such person's or entity's sole risk and shall be without legal exposure or liability to Haley & Aldrich.

Haley & Aldrich may authorize third-party reliance on the ASTM E 1527-13 ESA by providing reliance letters to third party(ies) provided that the third party(ies) agree: (1) to use the ASTM E 1527-13 ESA only for the purpose of assessing the potential or existing environmental contamination liabilities associated with real property; (2) to be bound by the terms and conditions and limitations contained in the ASTM E 1527-13 ESA and the Proposal and its attachments, Terms & Conditions, and Limitations; (3) to accept the form and substance of Haley & Aldrich's reliance letter; and (4) to deliver to Haley & Aldrich a signed copy of a reliance letter by an authorized representative of the relying party, within thirty (30) days after said reliance letter is provided to the relying party, signifying the relying party's acceptance of the aforementioned conditions. Upon Haley & Aldrich's receipt of the signed reliance letter by the relying party(ies), the relying party(ies) will be authorized to rely on Haley & Aldrich's ASTM E 1527-13 ESA for the limited purpose of identifying potential or existing environmental contamination liabilities associated with the subject property. The relying party(ies) agrees to bind each of its respective successors and assigns to the aforementioned terms and conditions.

This ASTM E 1527-13 ESA reflects site conditions observed and described by records available to Haley & Aldrich as of the date of ASTM E 1527-13 ESA preparation. The passage of time may result in significant changes in site conditions, technology, or economic conditions, which could alter the findings and/or

recommendations of the ASTM E 1527-13 ESA. Accordingly, Haley & Aldrich's client and any other party to whom the ASTM E 1527-13 ESA is provided recognize and agree that Haley & Aldrich shall bear no liability for deviations from observed conditions or available records after the time of ASTM E 1527-13 ESA preparation. Haley & Aldrich makes no express or implied representation that the information contained in the ASTM E 1527-13 ESA has continued viability after 180 days of the ASTM E 1527-13 ESA's completion date, and any use or reliance on the ASTM E 1527-13 ESA after 180 days of the ASTM E 1527-13 ESA's completion date by Haley & Aldrich's client or any other authorized person or entity will be at that party's sole risk and without liability to Haley & Aldrich.

Notwithstanding anything contained herein, Haley & Aldrich shall not be liable for any claim or damage arising from environmental contamination liabilities that occurred on the subject property after the effective date of the ASTM E 1527-13 ESA. Likewise, Haley & Aldrich shall not be liable for any existing or future property owner's failure to satisfy any continuing obligation for CERCLA liability protection or under the Federal Environmental Protection Agency's All Appropriate Inquiries rule.

APPENDIX B
Historical Research Documentation

374 Wallabout Street

374 Wallabout Street

Brooklyn, NY 11206

Inquiry Number: 7004235.3

June 03, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

06/03/22

Site Name:

374 Wallabout Street
374 Wallabout Street
Brooklyn, NY 11206
EDR Inquiry # 7004235.3

Client Name:

Haley & Aldrich, Inc.
299 Cherry Hill Road
Parsippany, NJ 07054
Contact: Zach Simmel

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Haley & Aldrich, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 4BA3-424D-85F8

PO # 0205892

Project 374 Wallabout Street

Maps Provided:

2007	1995	1982	1935
2006	1993	1981	1918
2005	1992	1980	1904
2004	1991	1979	1887
2003	1989	1977	
2002	1987	1965	
2001	1986	1950	
1996	1984	1947	

Sanborn® Library search results

Certification #: 4BA3-424D-85F8

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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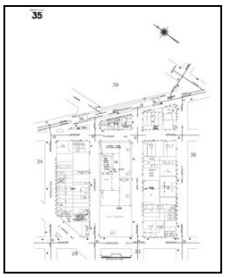
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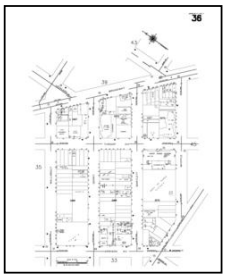
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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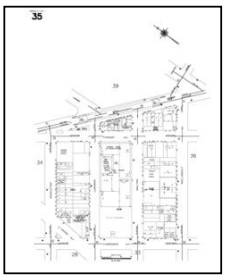

Volume 3, Sheet 33
2007

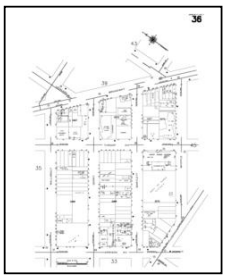

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2007


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2007

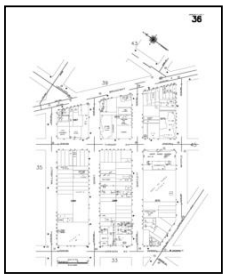
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2006

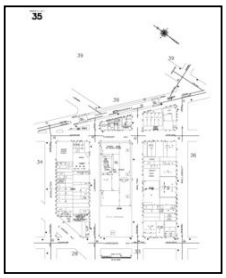

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2006


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2006

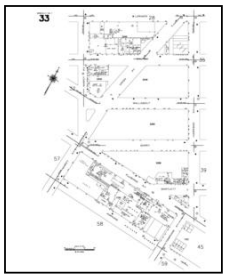
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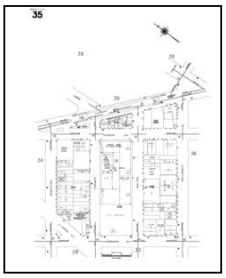

Volume 3, Sheet 36
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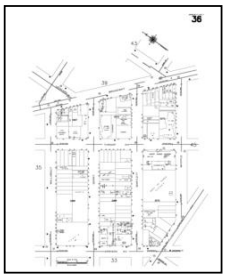

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2005


Volume 3, Sheet 35
2005

2004 Source Sheets


Volume 3, Sheet 33
2004

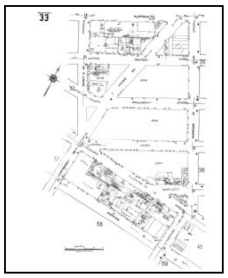

Volume 3, Sheet 35
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Volume 3, Sheet 36
2004

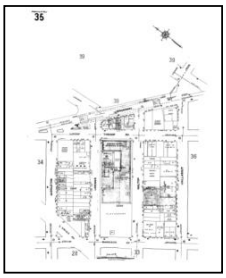
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

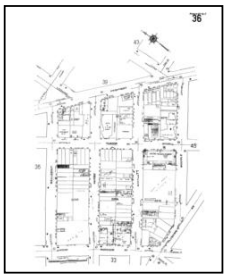
2003 Source Sheets



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2003

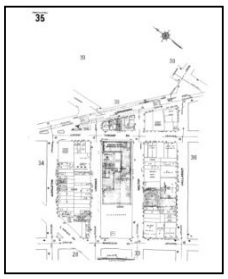


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2003

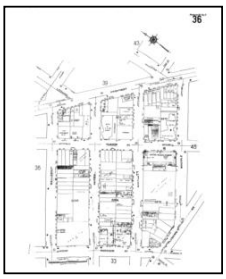


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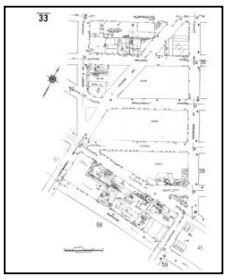
2002 Source Sheets



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2002



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2002

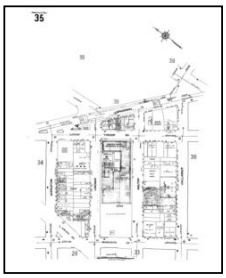


Volume 3, Sheet 33
2002

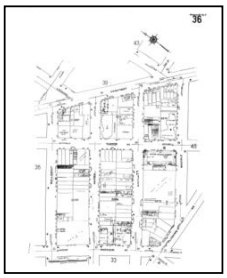
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Volume 3, Sheet 33
2001



Volume 3, Sheet 35
2001

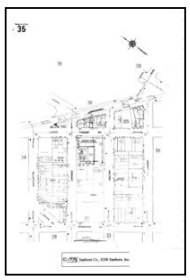


Volume 3, Sheet 36
2001

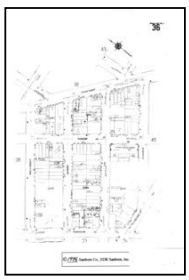
1996 Source Sheets



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1996



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1996



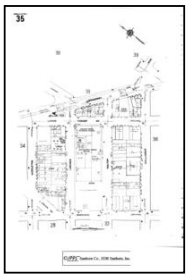
Volume 3, Sheet 36
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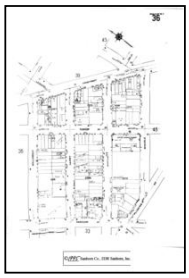
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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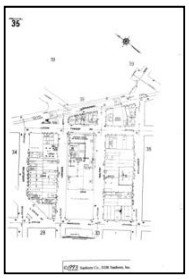

Volume 3, Sheet 33
1995

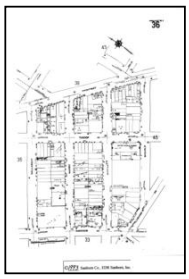

Volume 3, Sheet 35
1995


Volume 3, Sheet 36
1995

1993 Source Sheets

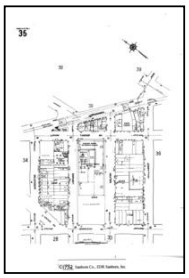

Volume 3, Sheet 33
1993


Volume 3, Sheet 35
1993


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1993

1992 Source Sheets

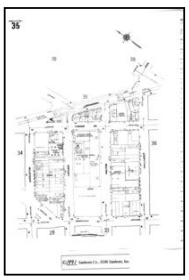

Volume 3, Sheet 33
1992


Volume 3, Sheet 35
1992


Volume 3, Sheet 36
1992

1991 Source Sheets


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1991

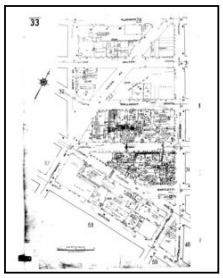

Volume 3, Sheet 35
1991

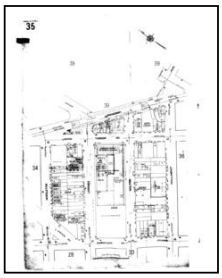

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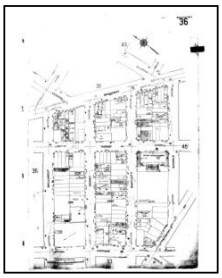
Sanborn Sheet Key

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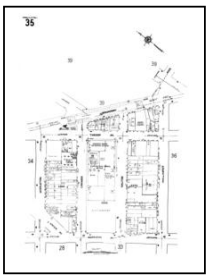

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1989

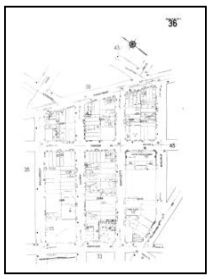

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1989


Volume 3, Sheet 36
1989

1987 Source Sheets

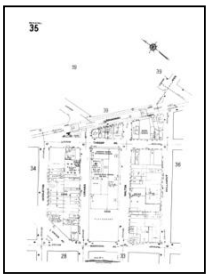

Volume 3, Sheet 33
1987

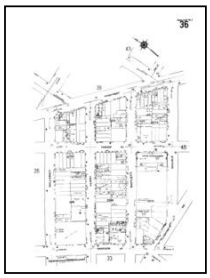

Volume 3, Sheet 35
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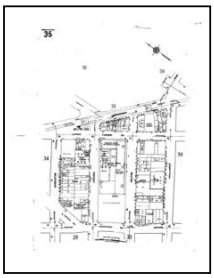

Volume 3, Sheet 36
1987

1986 Source Sheets


Volume 3, Sheet 33
1986

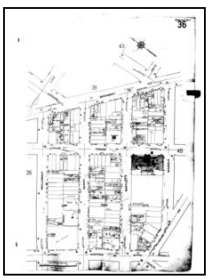

Volume 3, Sheet 35
1986


Volume 3, Sheet 36
1986


Volume 2, Sheet 35
1986

1984 Source Sheets


Volume 3, Sheet 33
1984


Volume 3, Sheet 36
1984

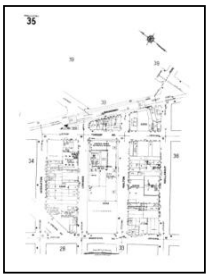
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1982 Source Sheets



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1982



Volume 3, Sheet 35
1982



Volume 3, Sheet 36
1982

1981 Source Sheets



Volume 3, Sheet 33
1981

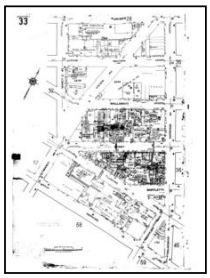


Volume 3, Sheet 35
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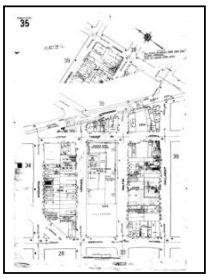


Volume 3, Sheet 36
1981

1980 Source Sheets



Volume 3, Sheet 33
1980



Volume 3, Sheet 35
1980



Volume 3, Sheet 36
1980

1979 Source Sheets



Volume 3, Sheet 33
1979



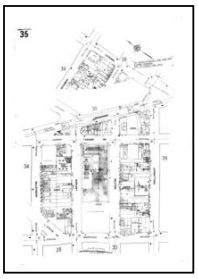
Volume 3, Sheet 36
1979

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1977 Source Sheets

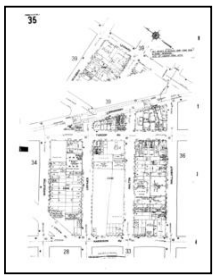

Volume 3, Sheet 33
1977


Volume 3, Sheet 35
1977


Volume 3, Sheet 36
1977

1965 Source Sheets


Volume 3, Sheet 33
1965


Volume 3, Sheet 35
1965


Volume 3, Sheet 36
1965

1950 Source Sheets


Volume 3, Sheet 35
1950


Volume 3, Sheet 36
1950


Volume 3, Sheet 33
1950

1947 Source Sheets


Volume 3, Sheet 33
1947


Volume 3, Sheet 35
1947


Volume 3, Sheet 36
1947

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1935 Source Sheets


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1935


Volume 3, Sheet 35
1935


Volume 3, Sheet 36
1935

1918 Source Sheets


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1918

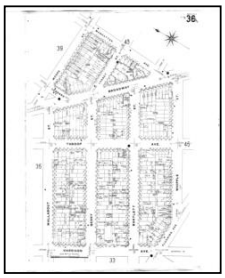

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1918


Volume 3, Sheet 36
1918

1904 Source Sheets


Volume 3, Sheet 33
1904


Volume 3, Sheet 35
1904


Volume 3, Sheet 36
1904

1887 Source Sheets

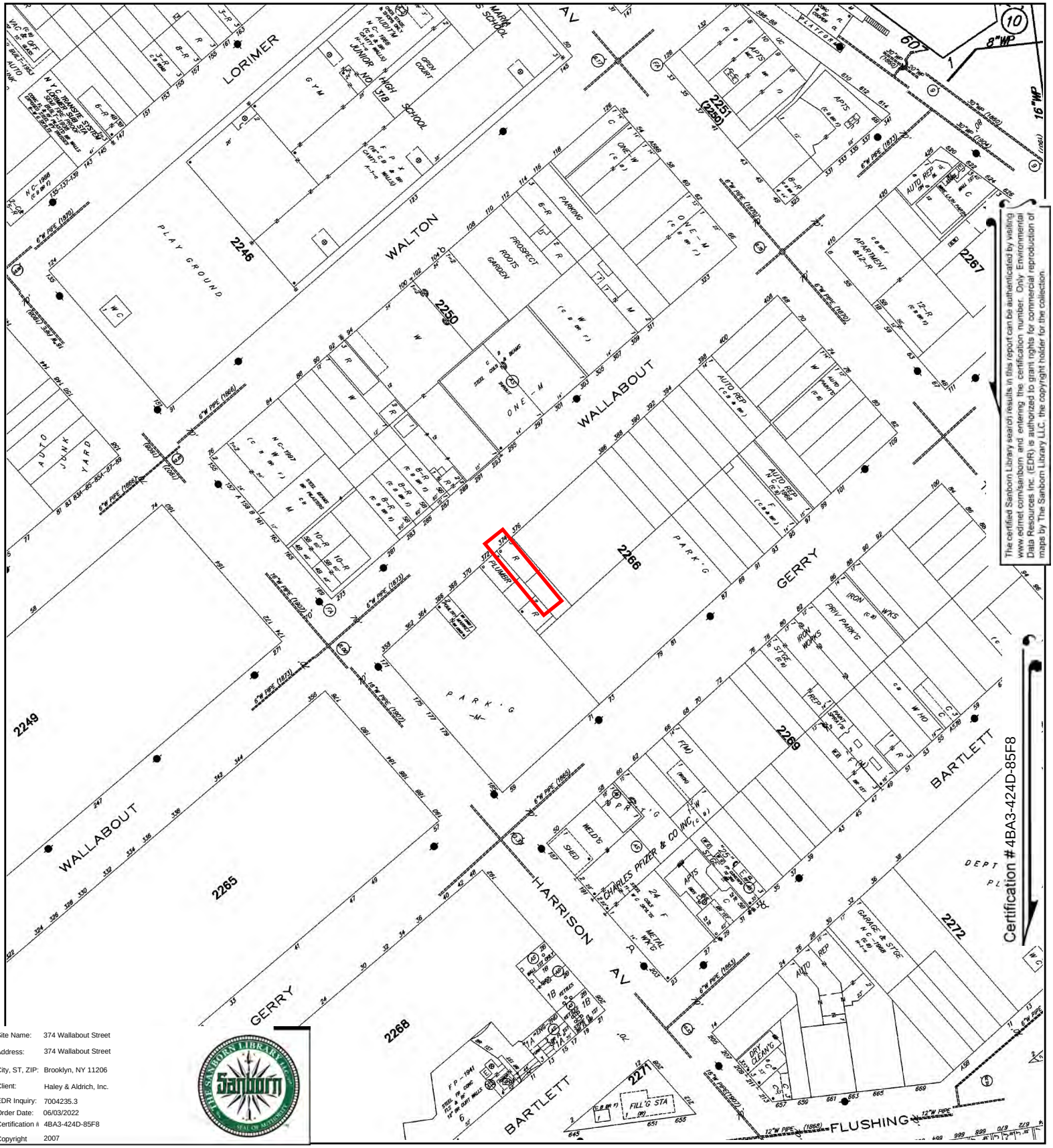

Volume 3, Sheet 81
1887



Volume 3, Sheet 82
1887



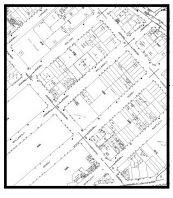
Volume 3, Sheet 83
1887

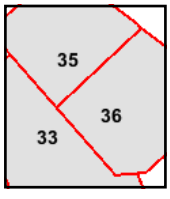


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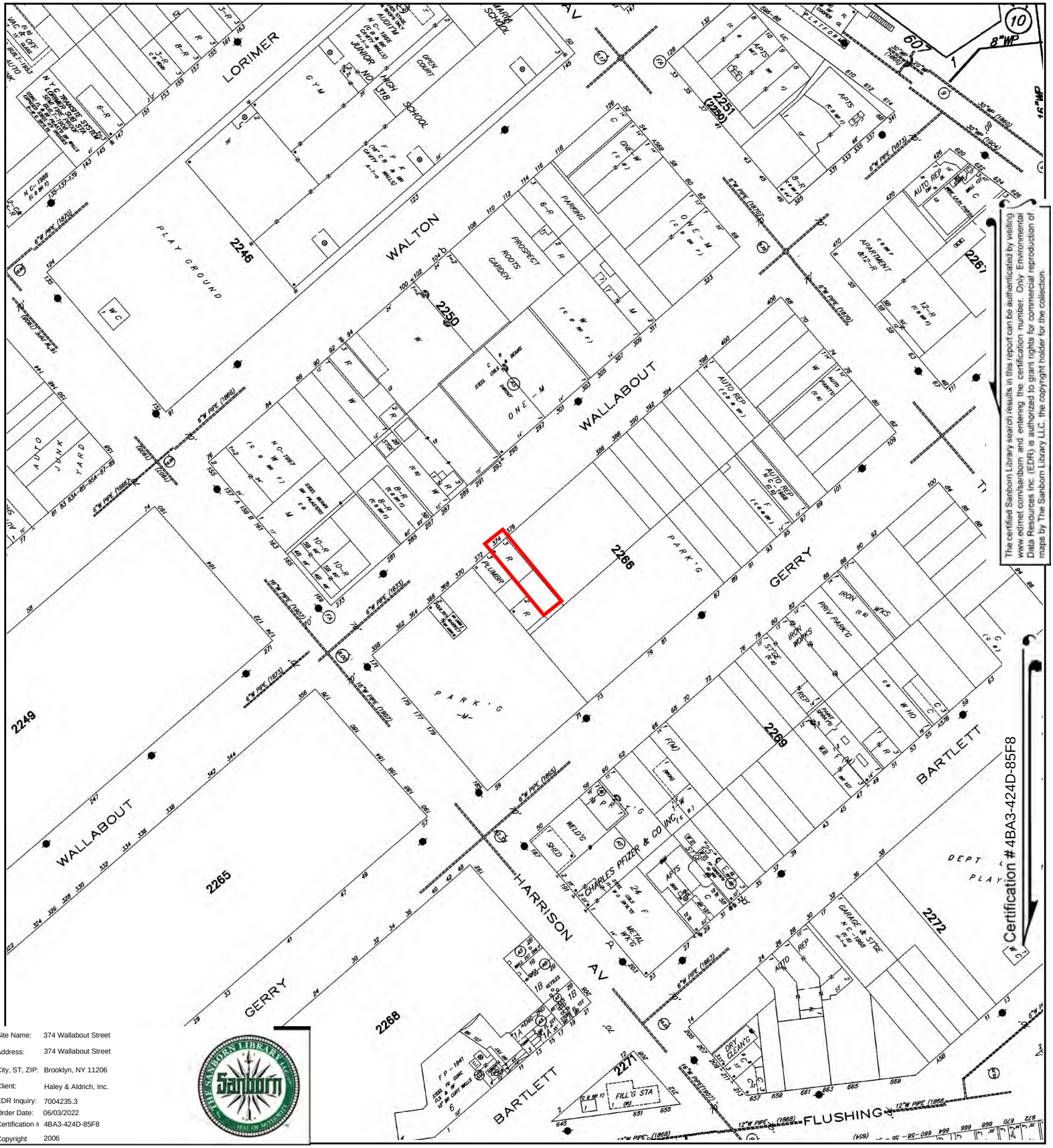




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Volume 3, Sheet 33

0 Feet 150 300 600

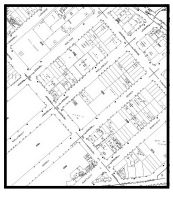
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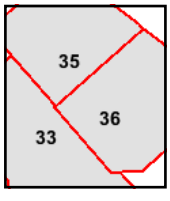


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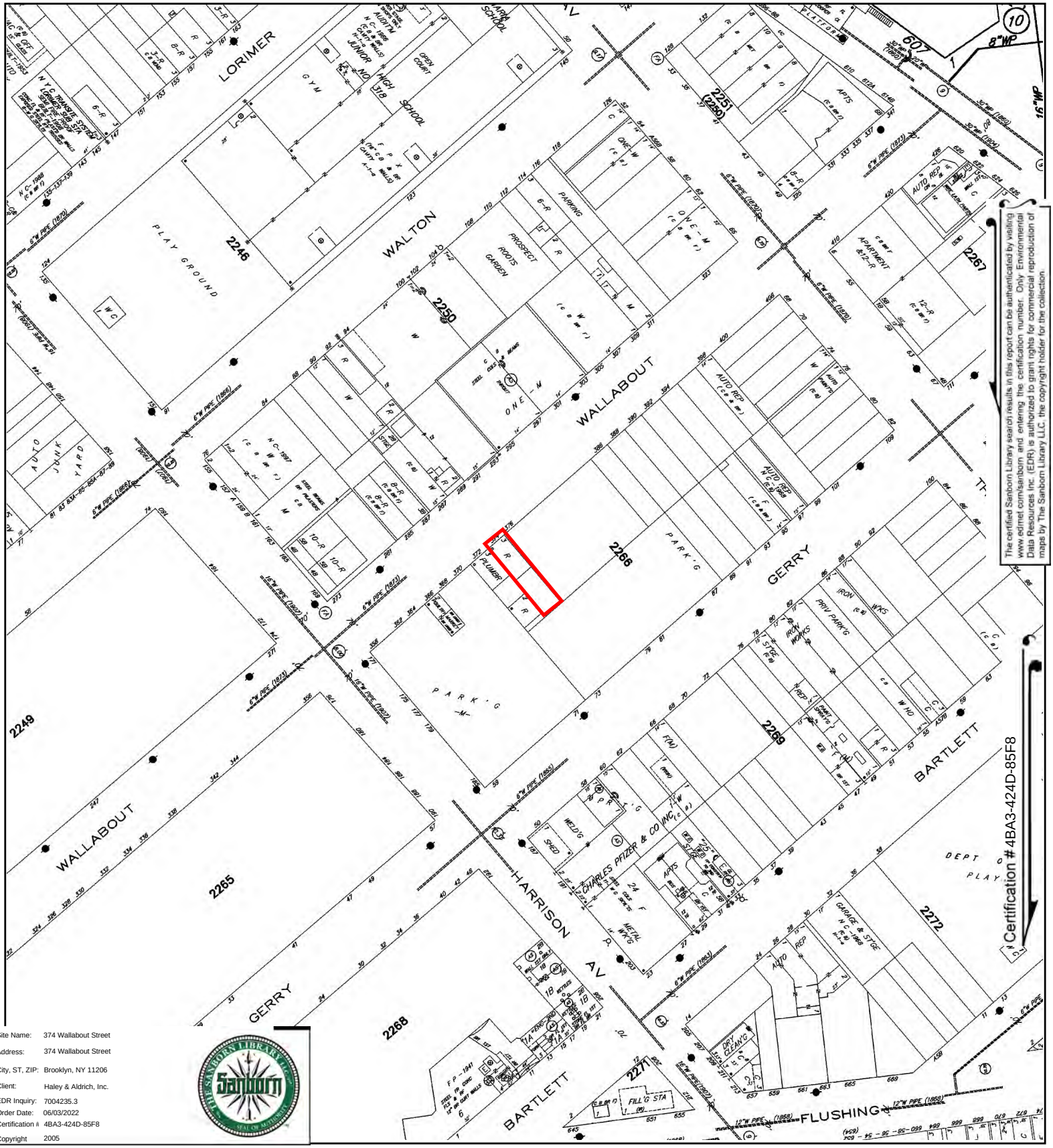




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Volume 3, Sheet 33

0 Feet 150 300 600

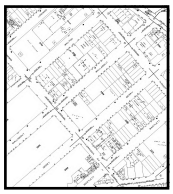
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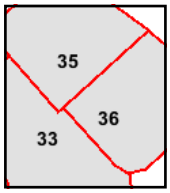


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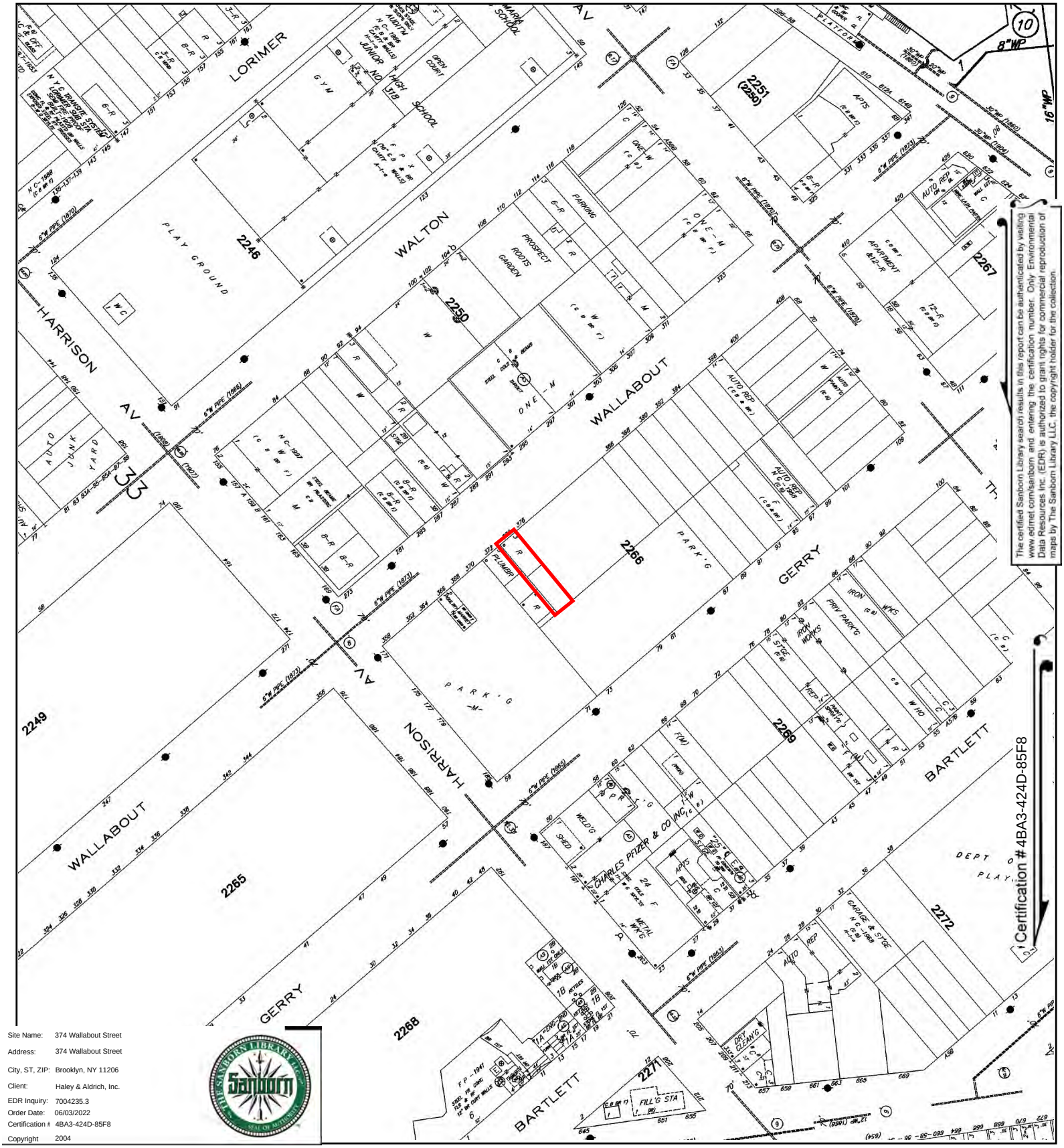




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Volume 3, Sheet 36

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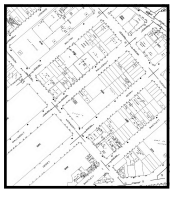


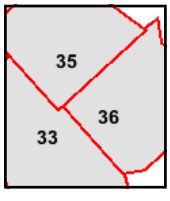
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Copyright	2004

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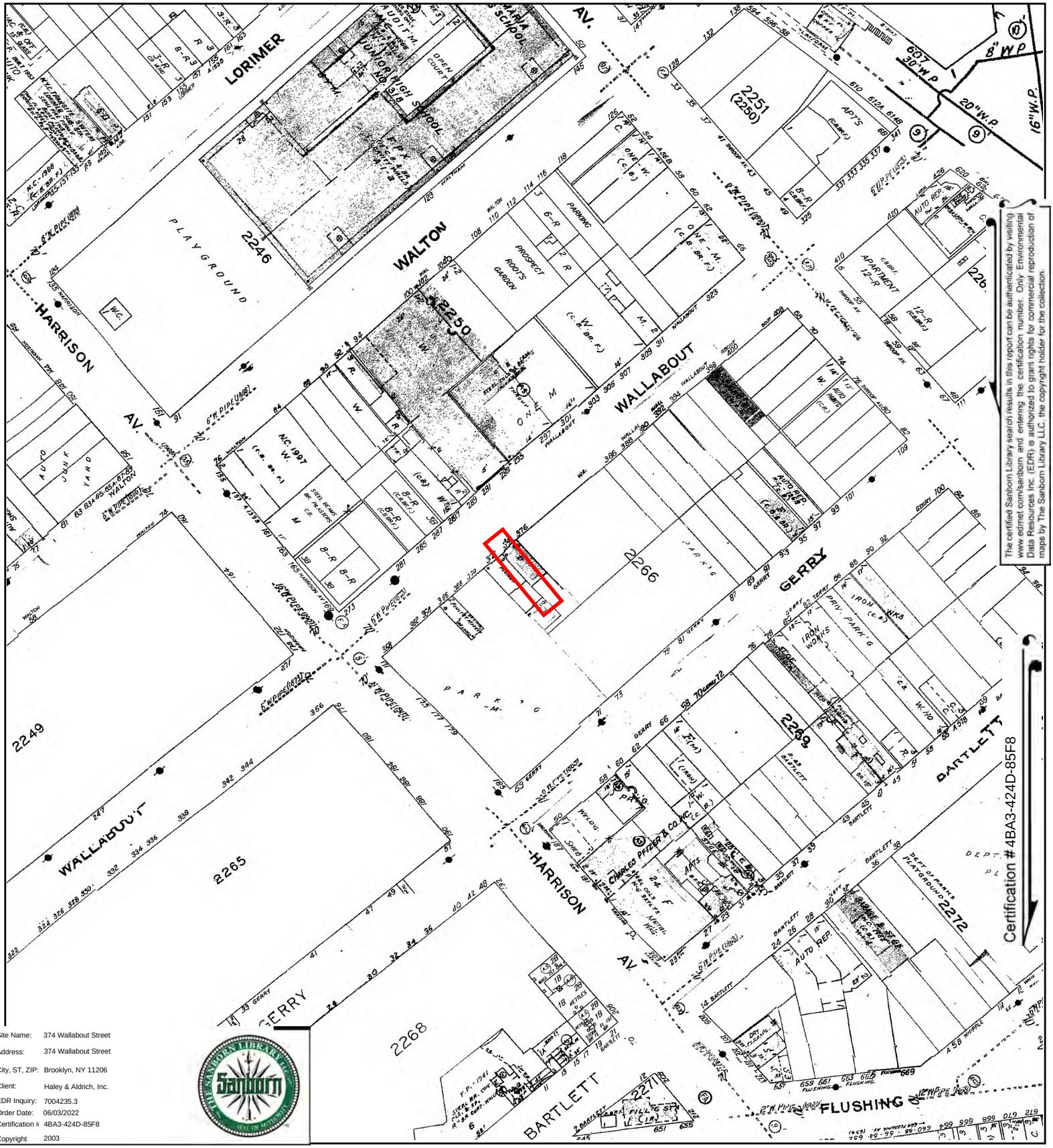
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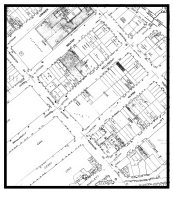
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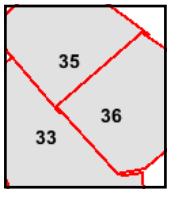


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Copyright	2003

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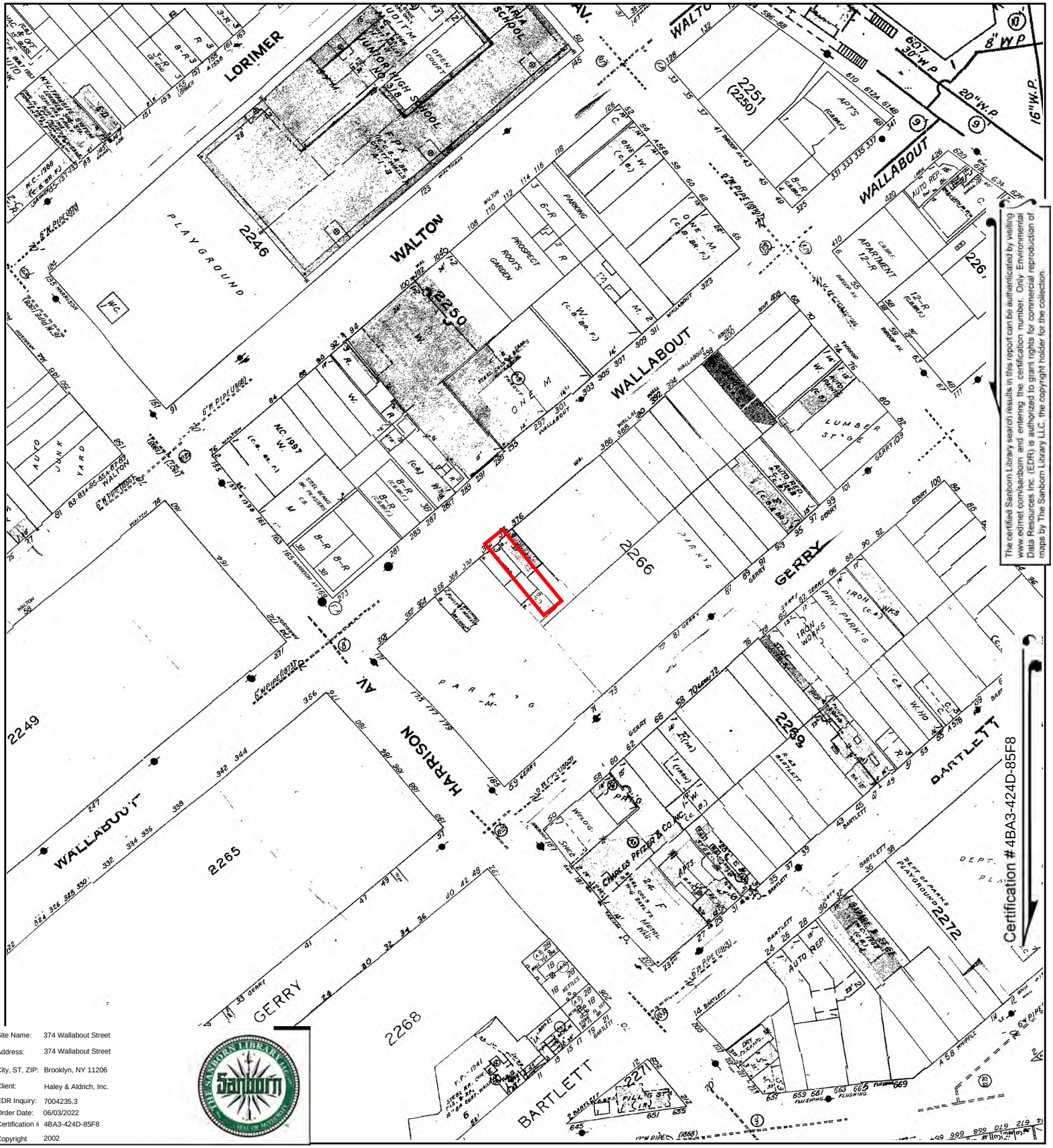




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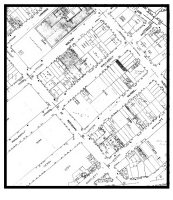
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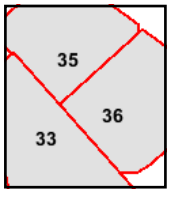


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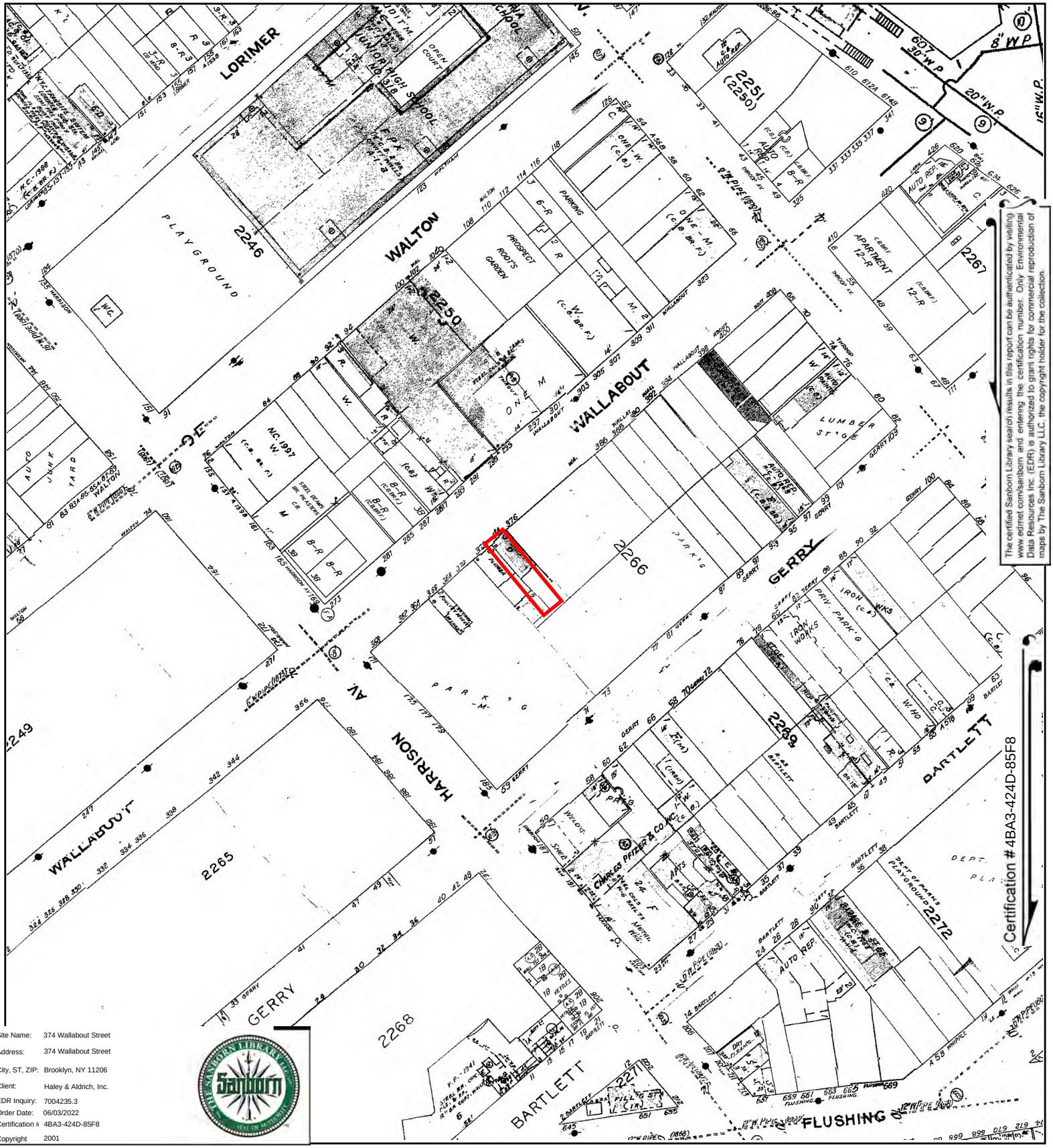




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Volume 3, Sheet 35

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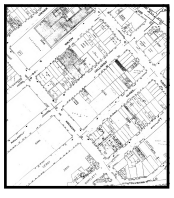


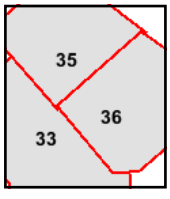
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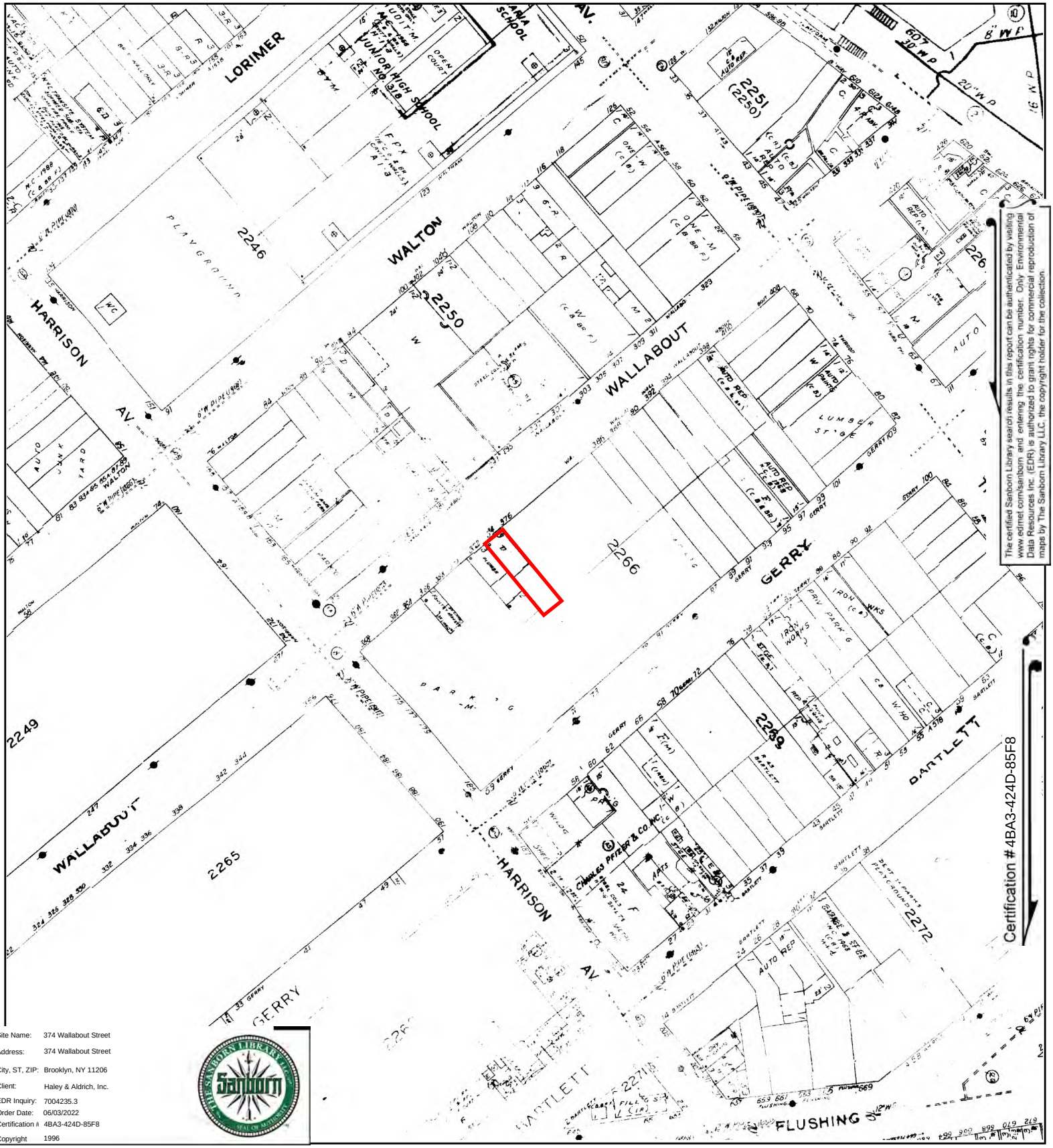
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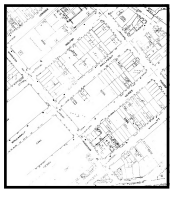
Volume 3, Sheet 36
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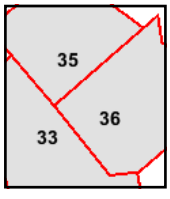
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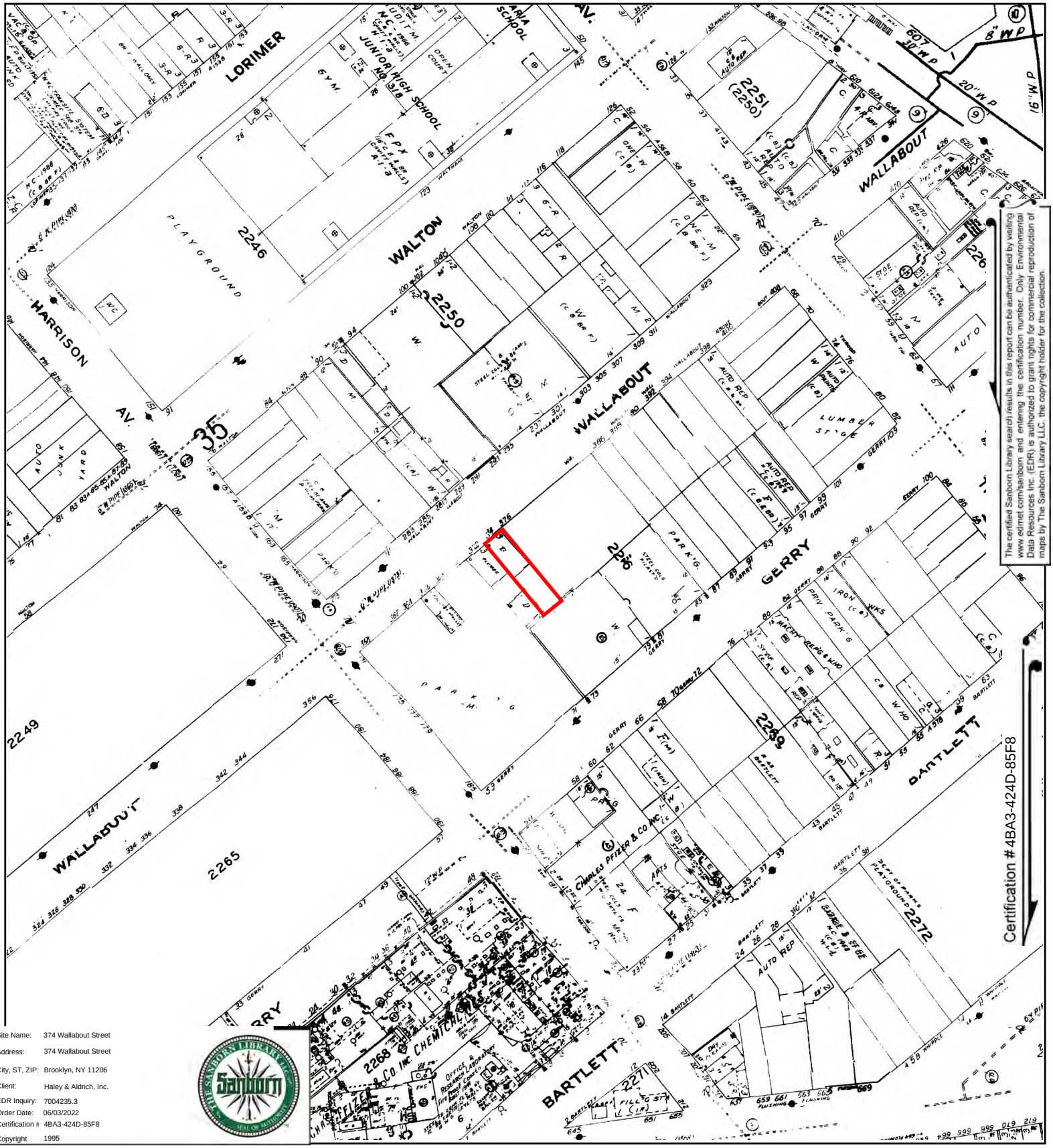




Volume 3, Sheet 36
Volume 3, Sheet 35
Volume 3, Sheet 33

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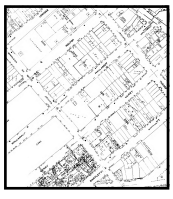
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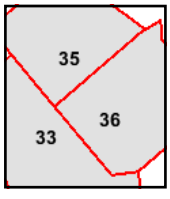


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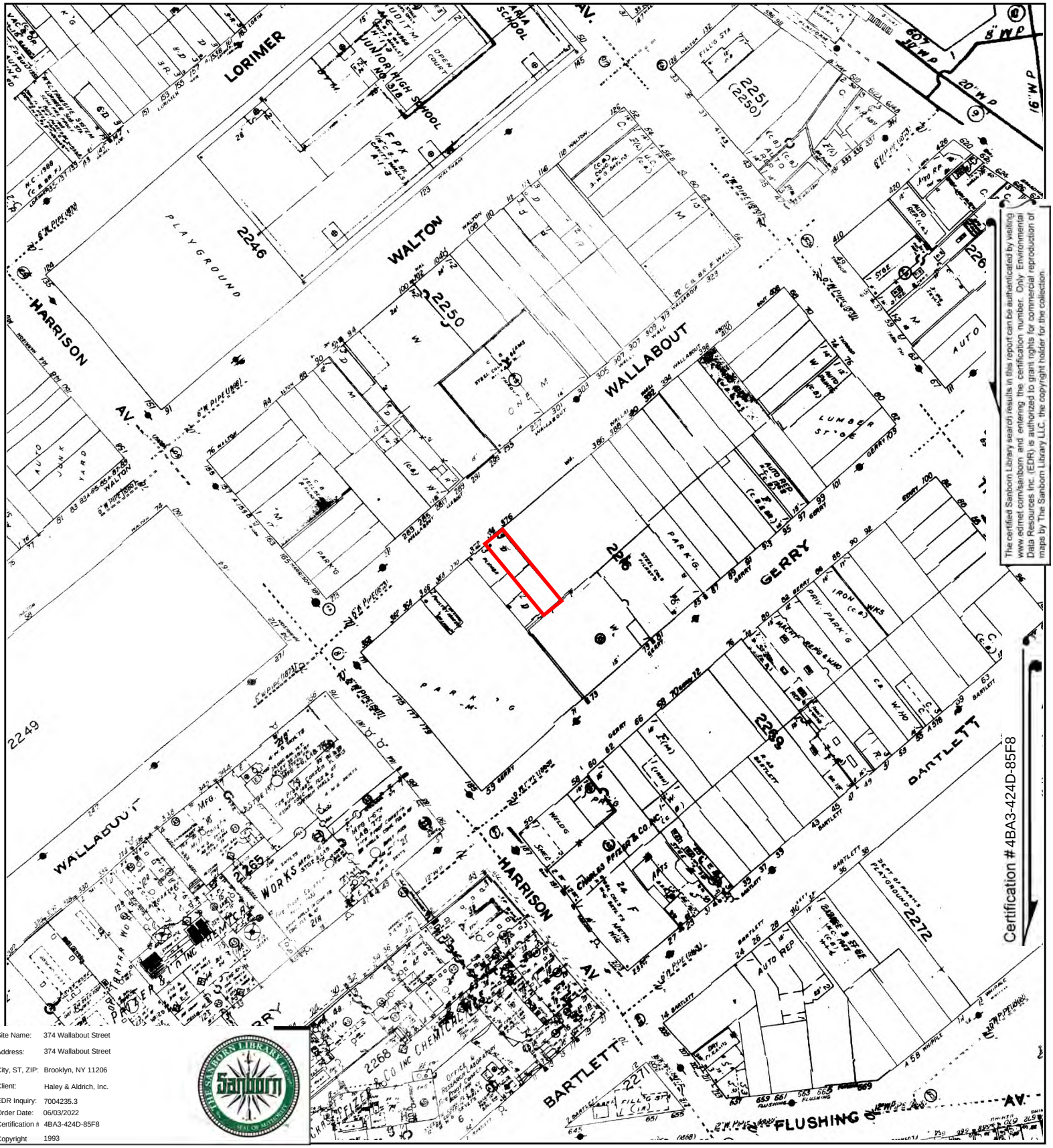




Volume 3, Sheet 36
Volume 3, Sheet 35
Volume 3, Sheet 33

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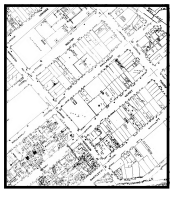


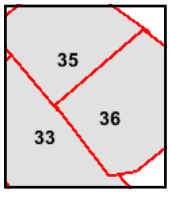
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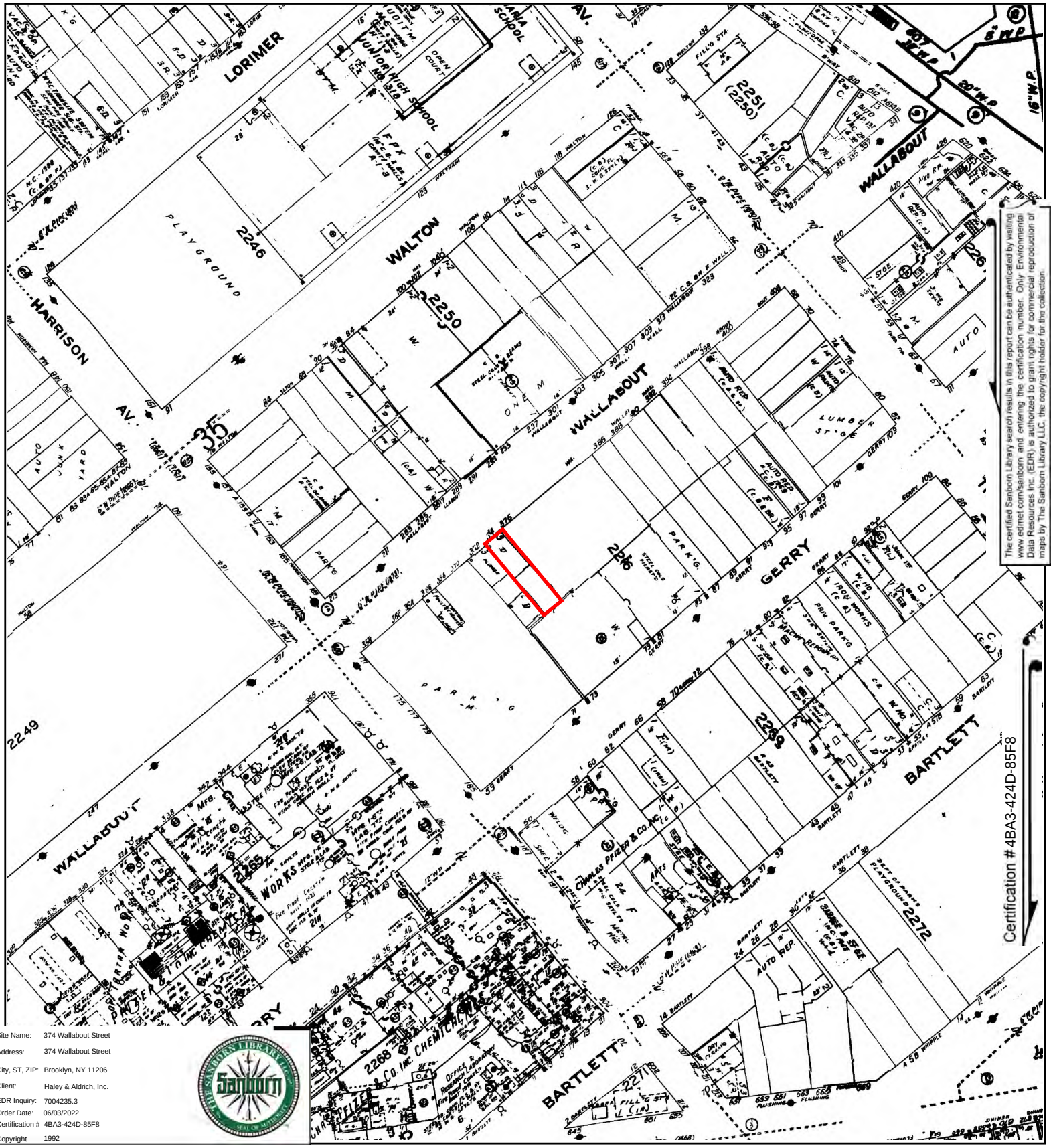
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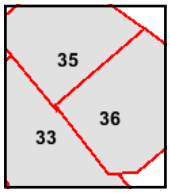


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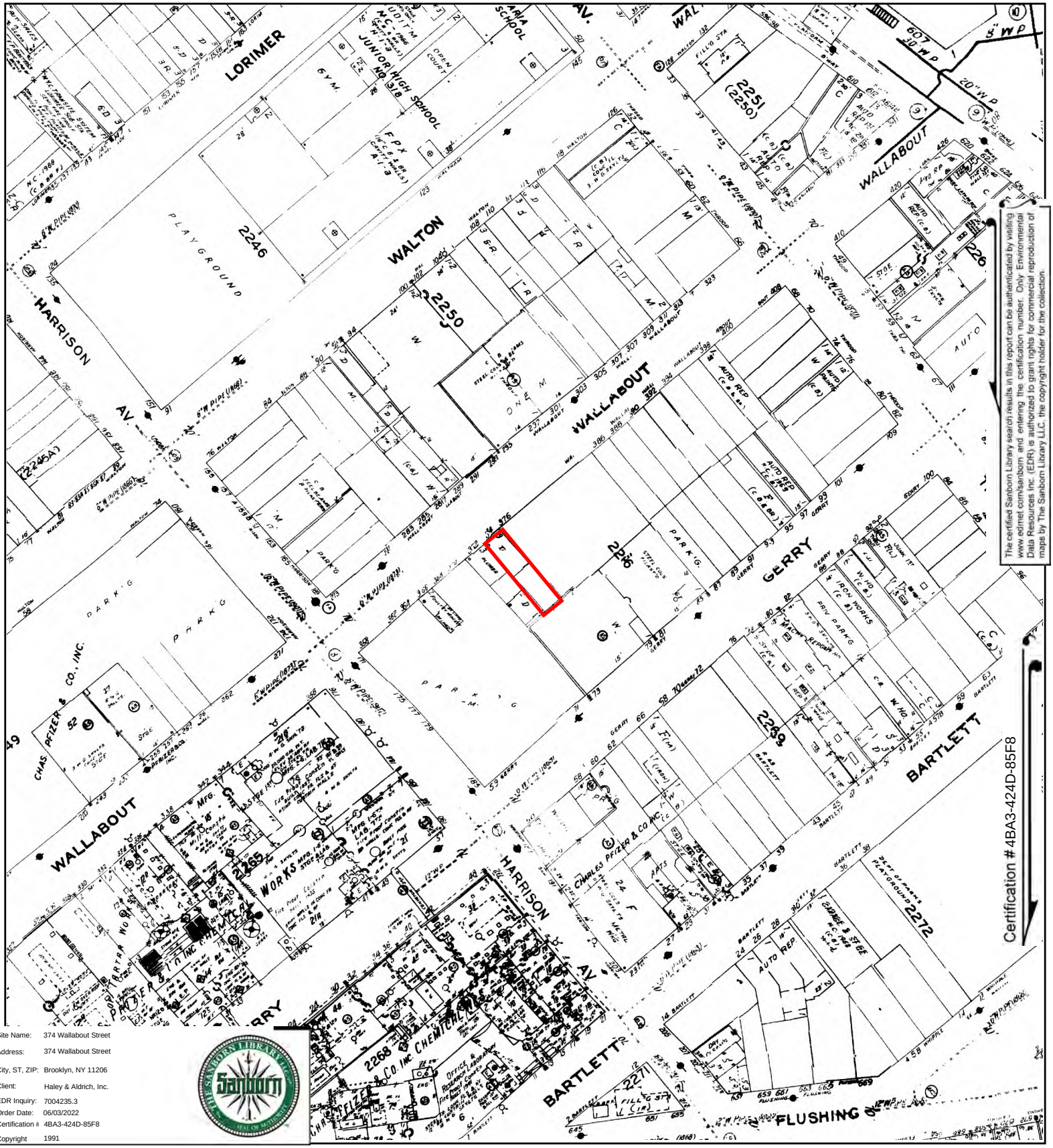




Volume 3, Sheet 36
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Volume 3, Sheet 33

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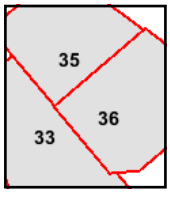


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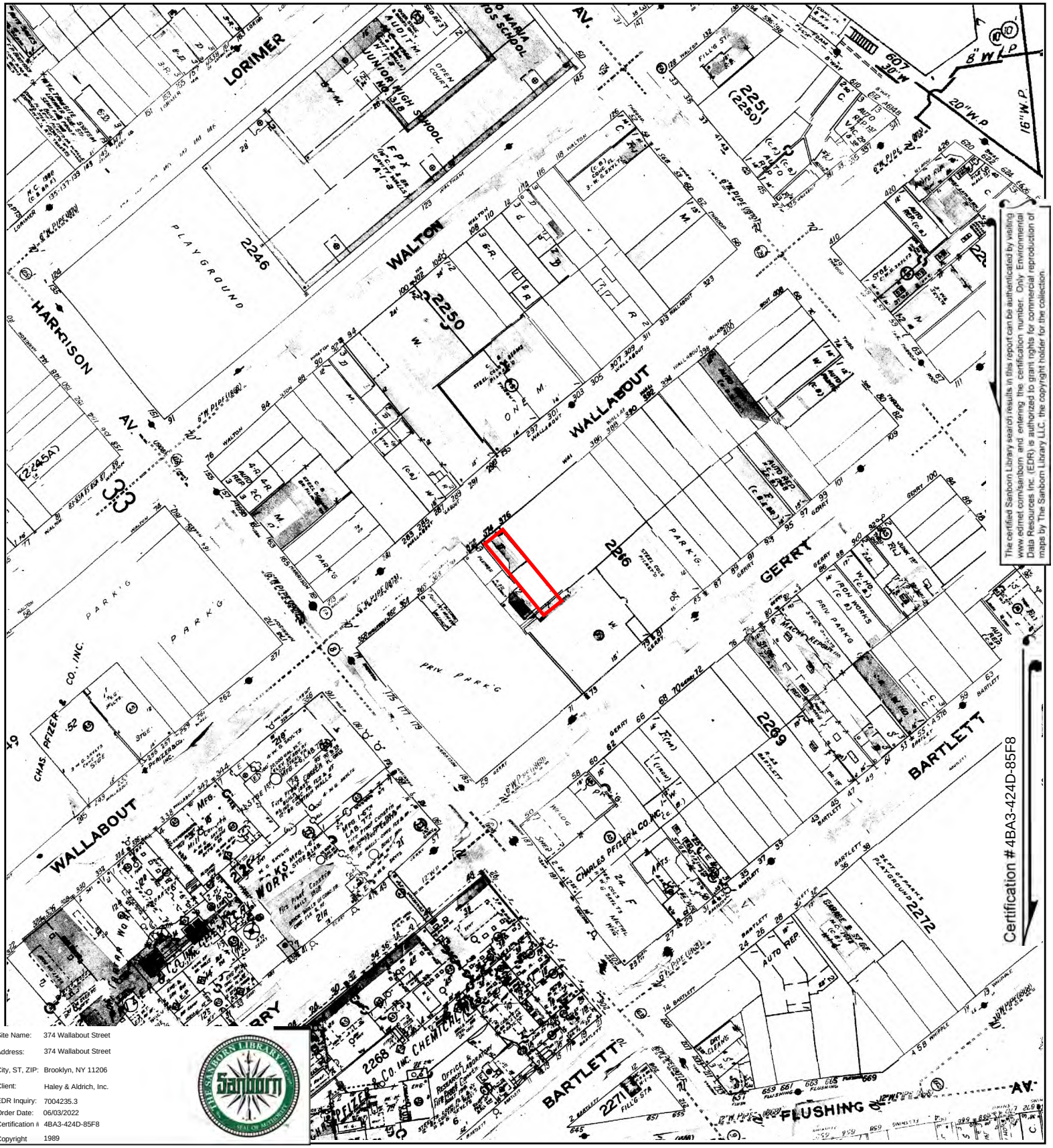




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Volume 3, Sheet 33

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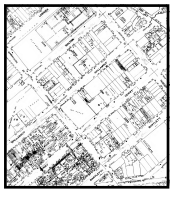
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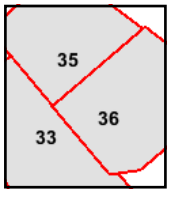


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Order Date:	06/03/2022
Certification #	4BA3-424D-85F8
Copyright	1989

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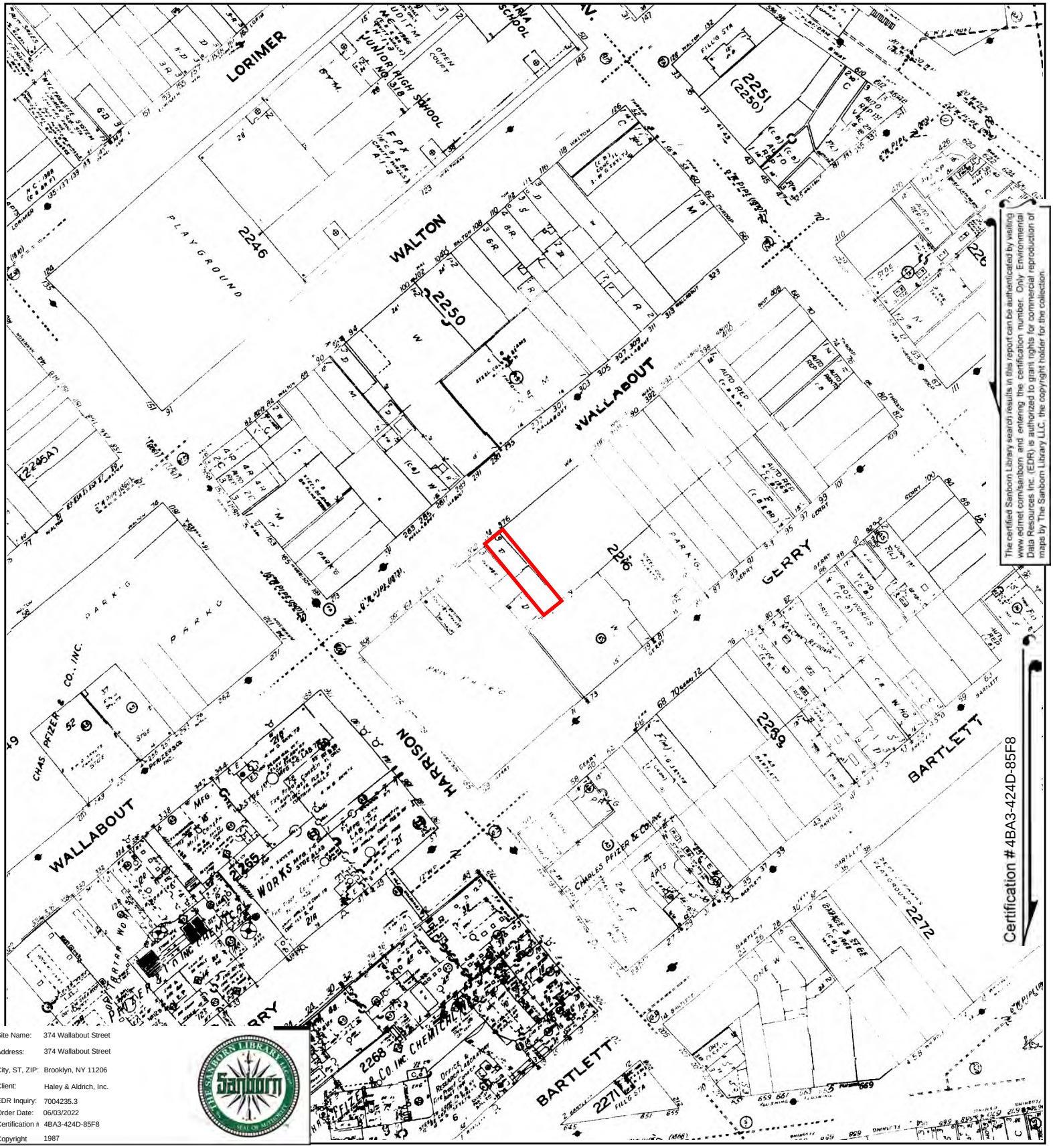




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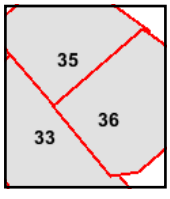


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Copyright	1987

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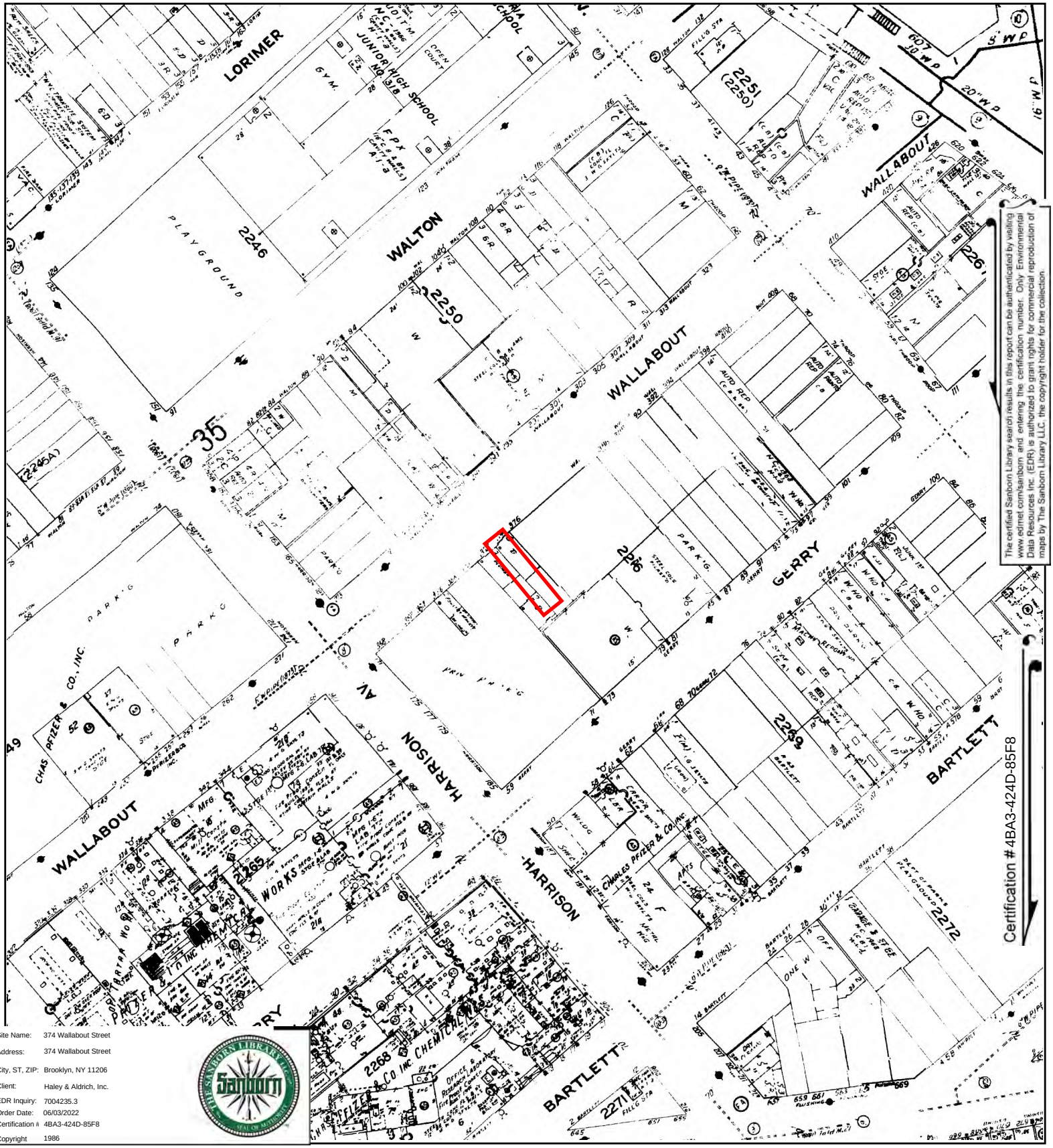




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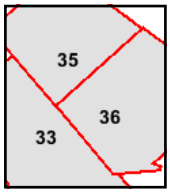
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Copyright	1986

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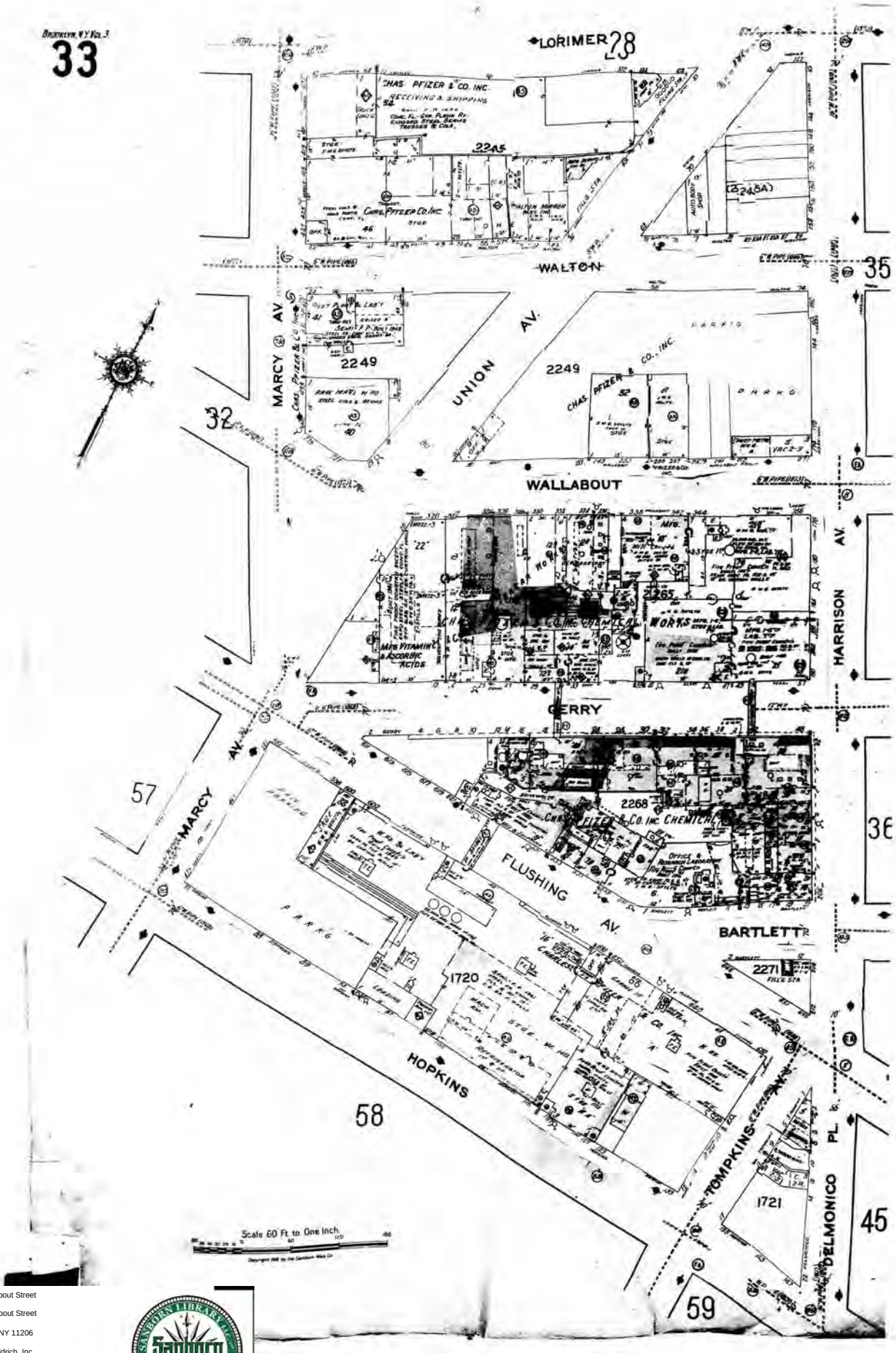
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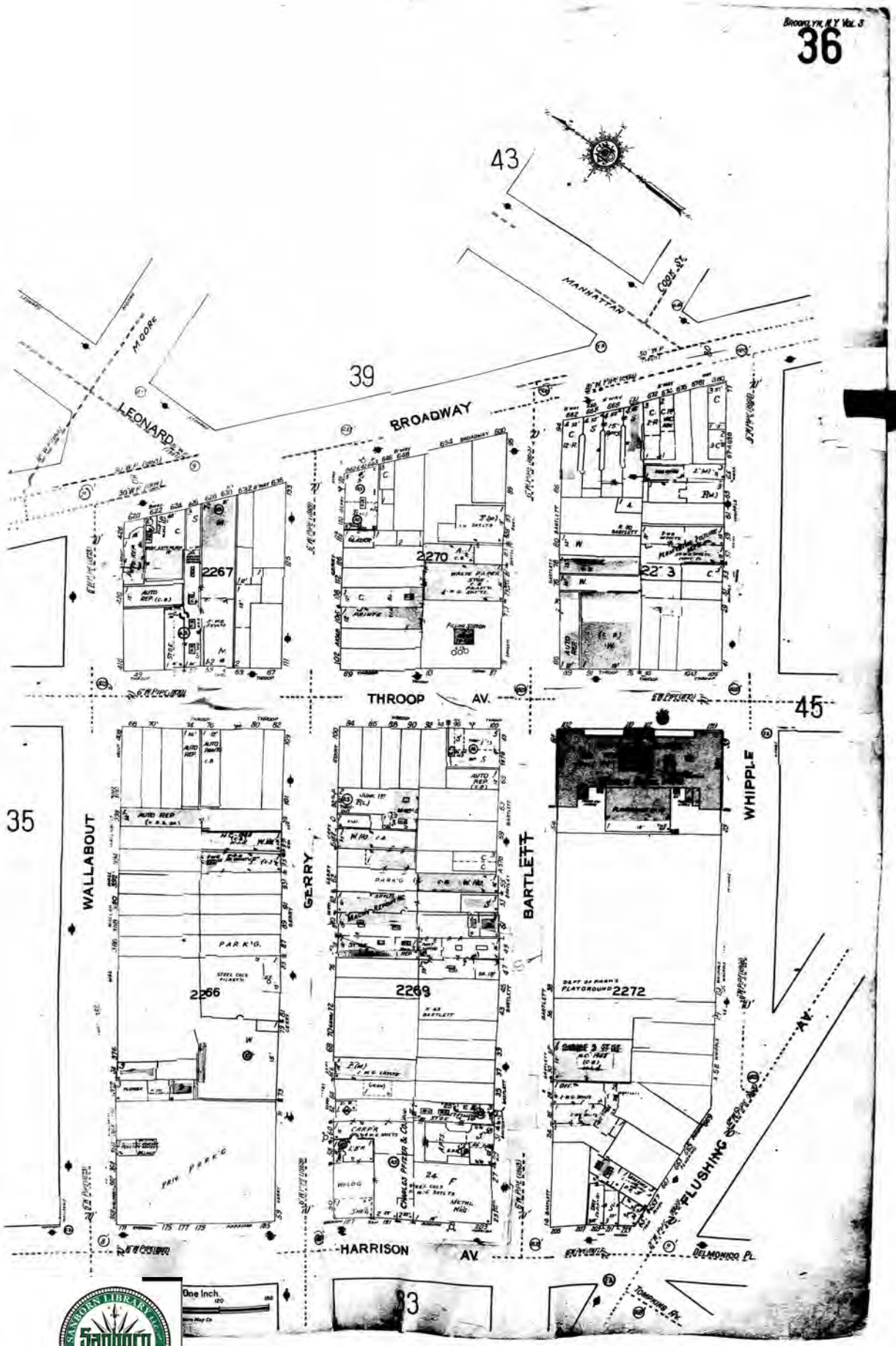
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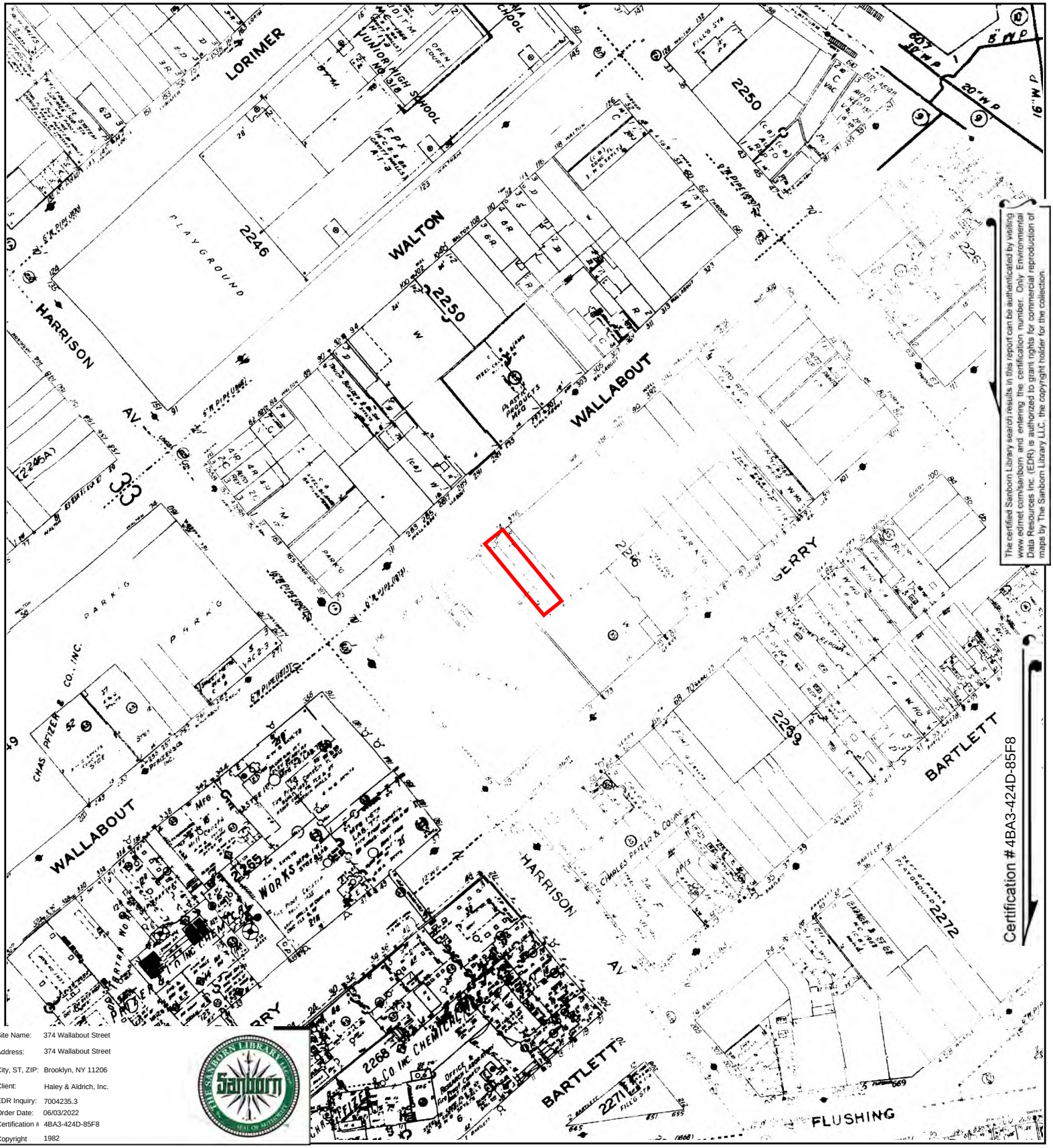
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Copyright	1984



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Copyright	1984



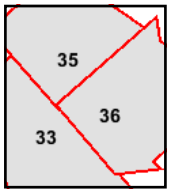
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Copyright	1982

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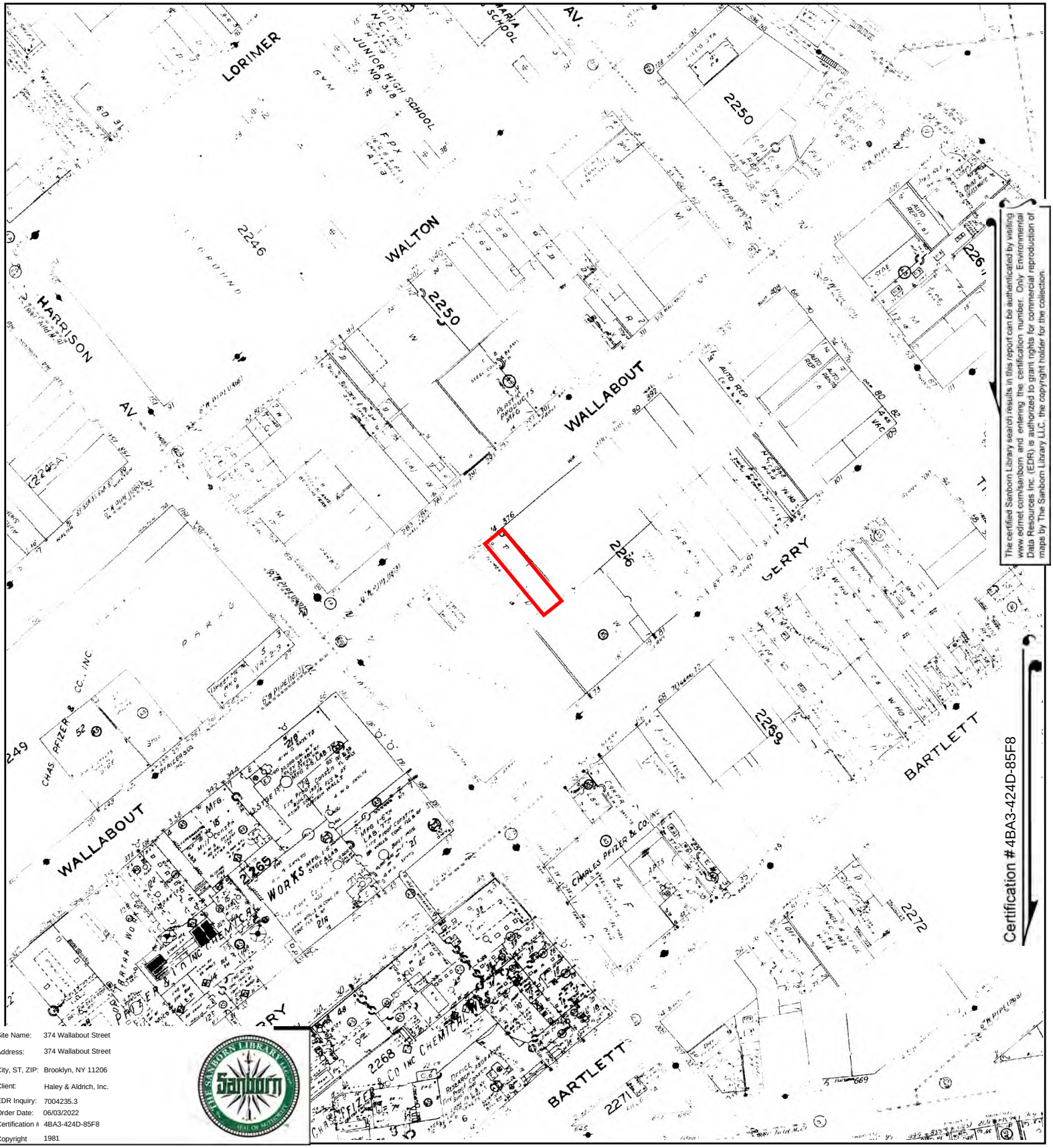
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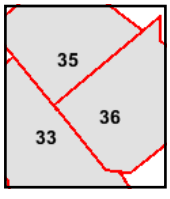


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Copyright	1981

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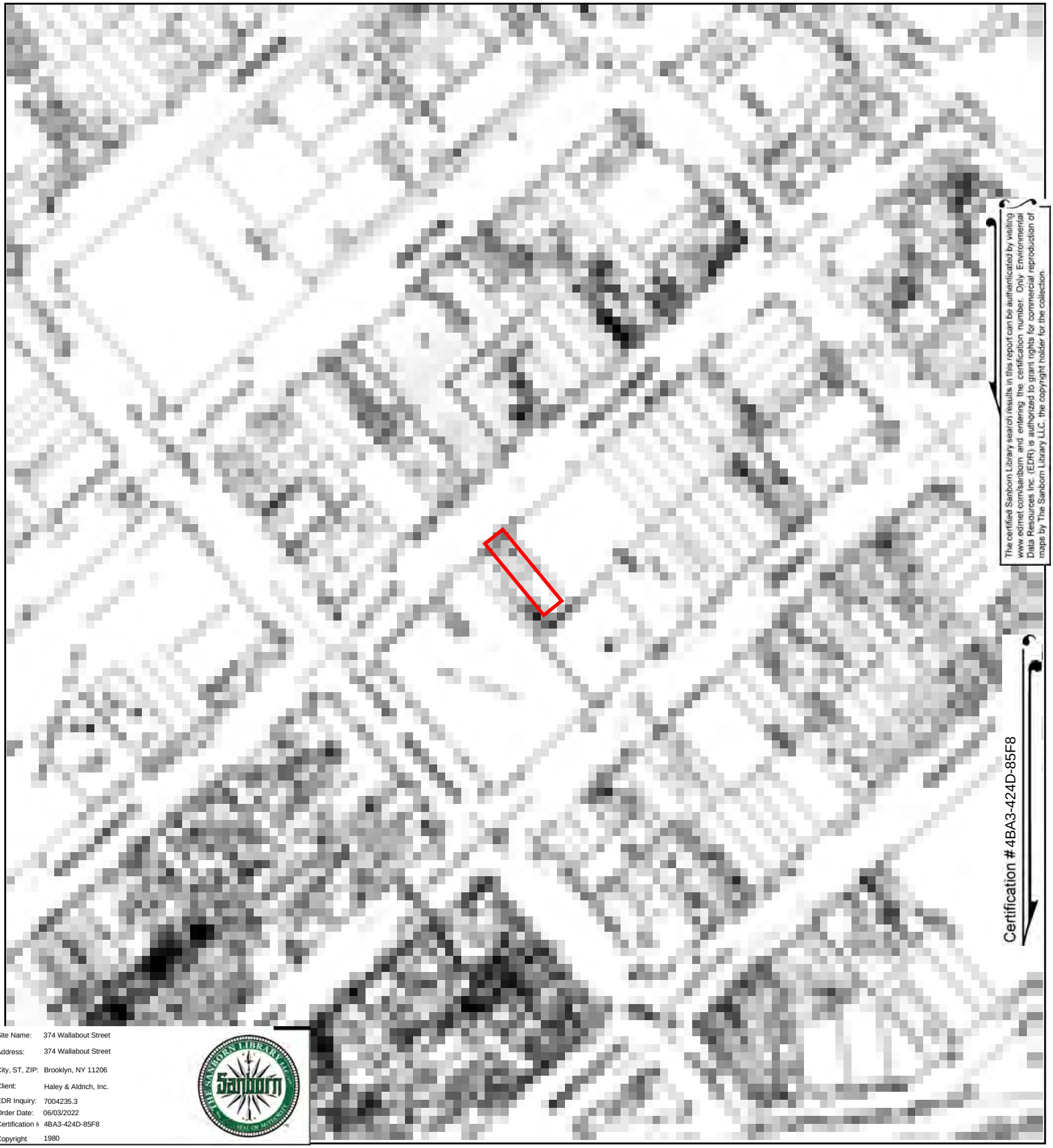




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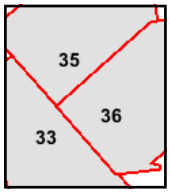
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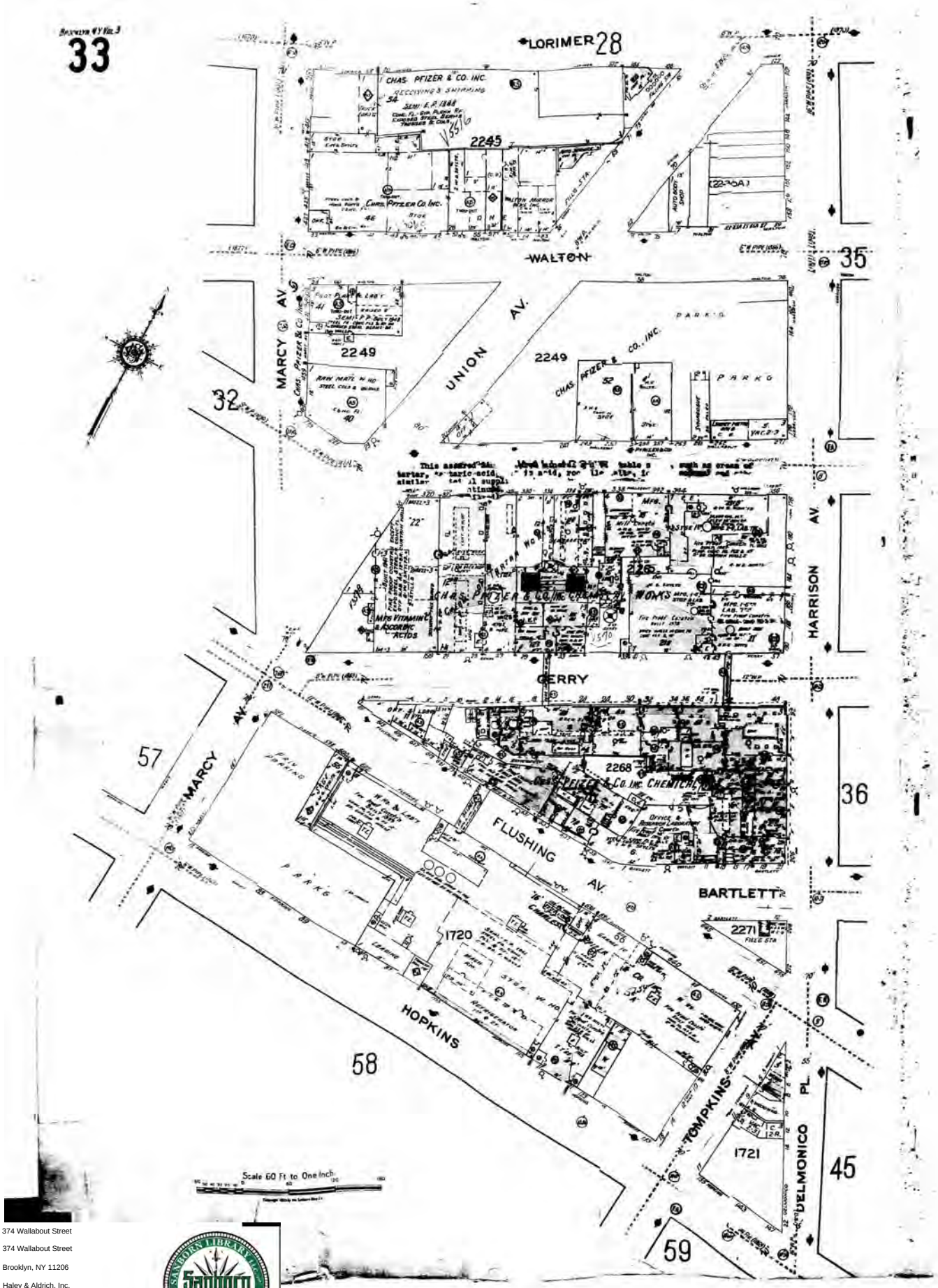
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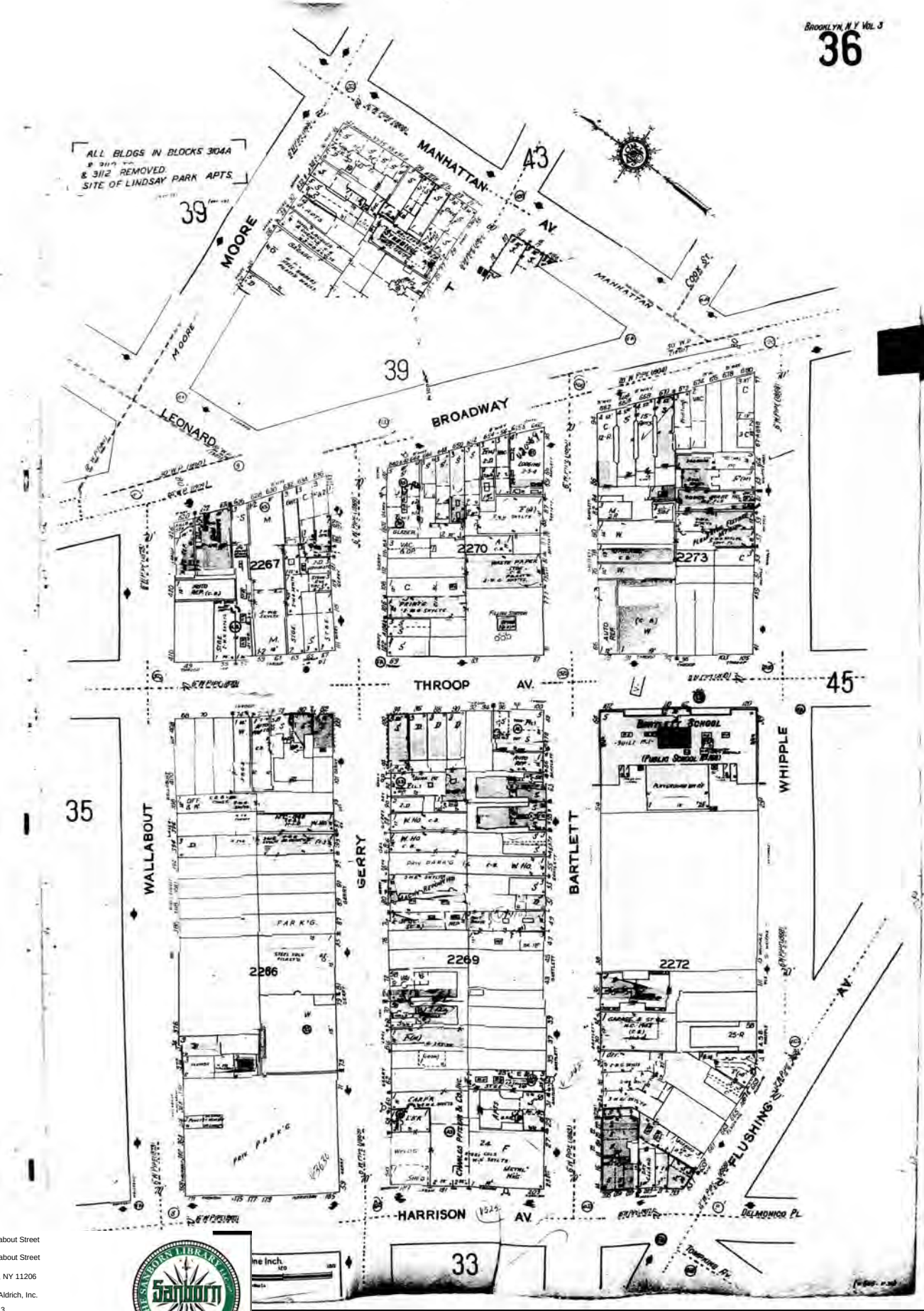
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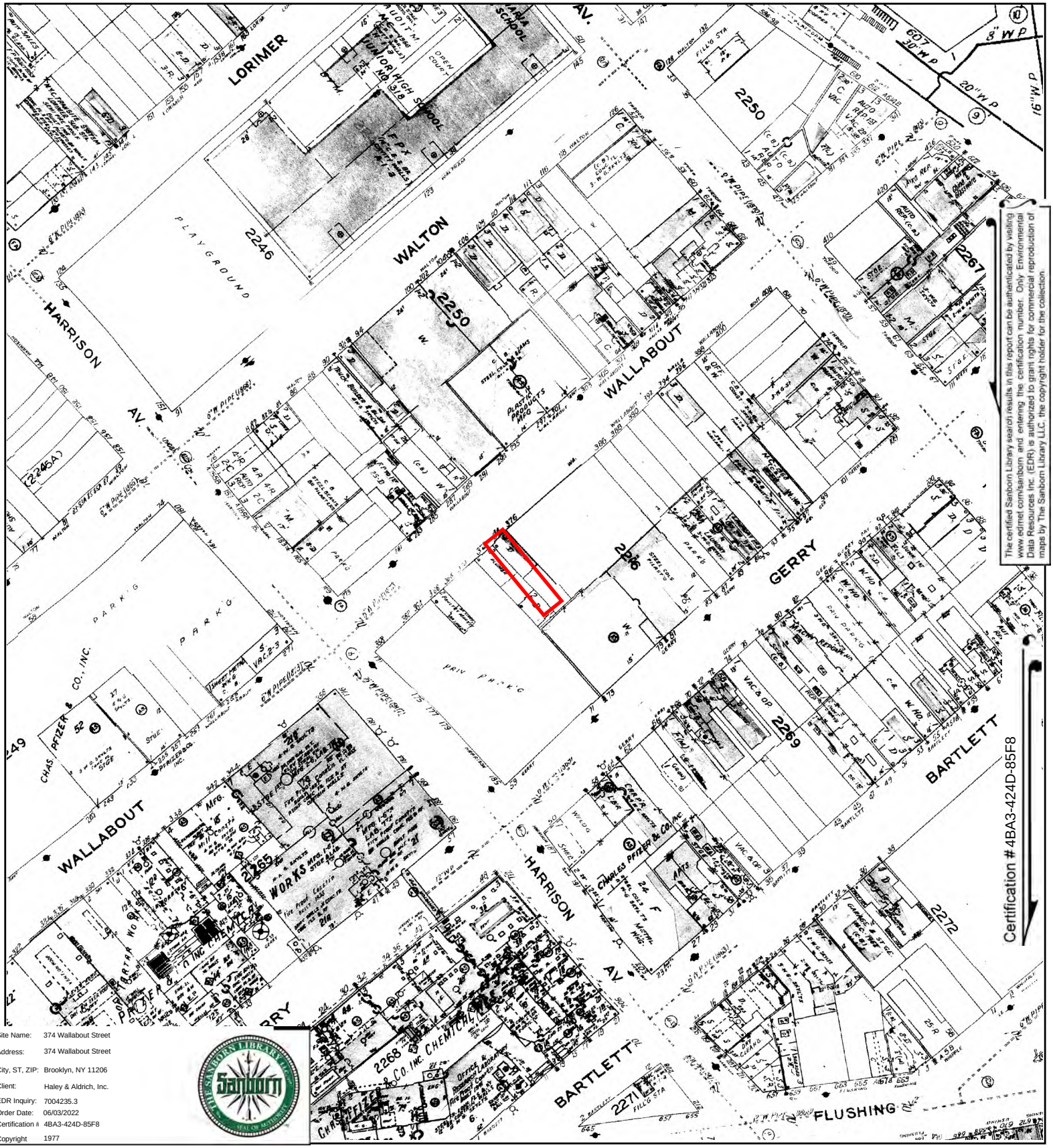
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Copyright	1979



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Copyright	1979

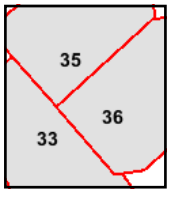


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Copyright	1977

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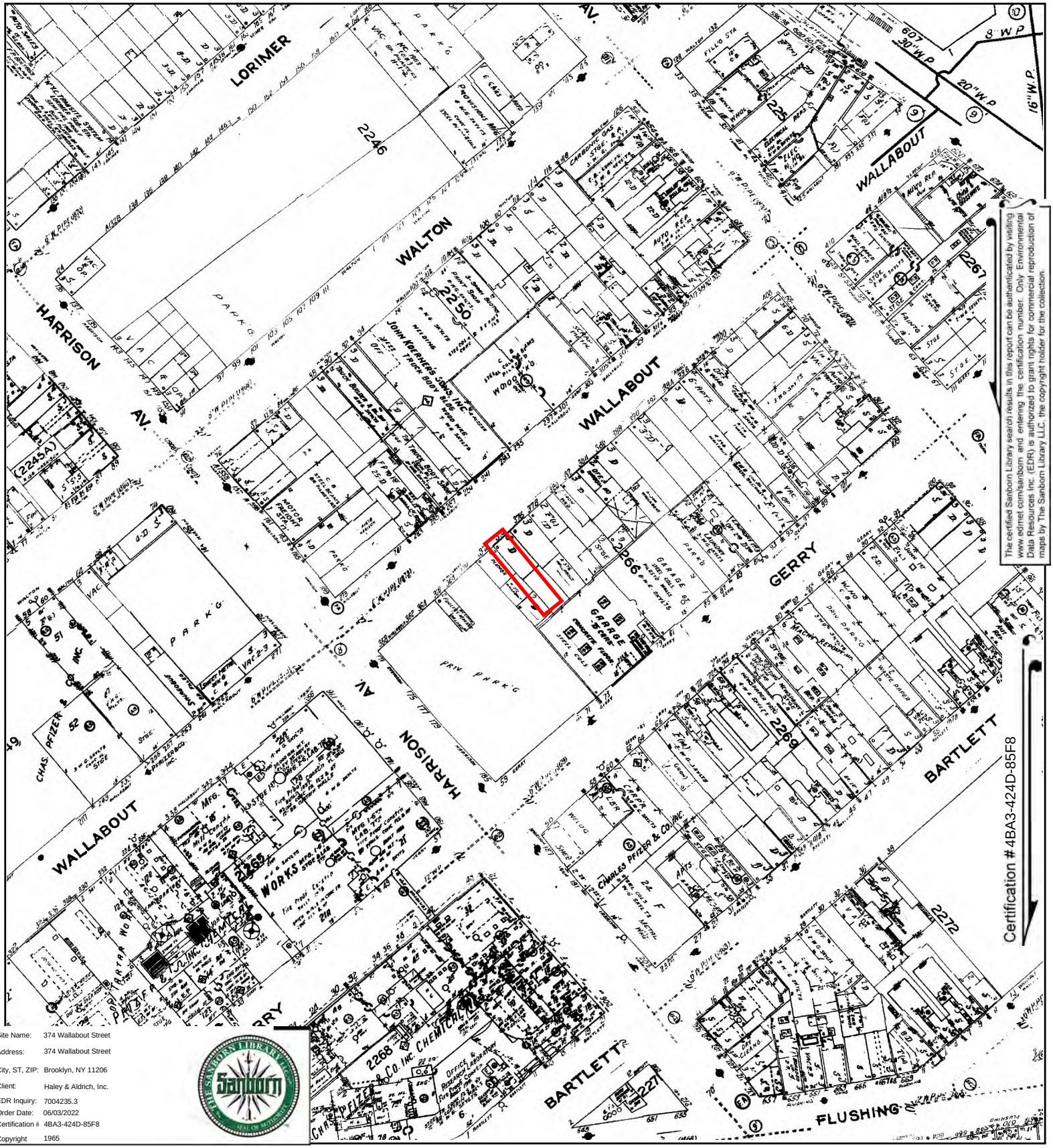




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Volume 3, Sheet 33

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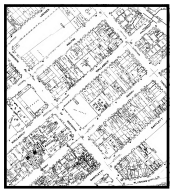
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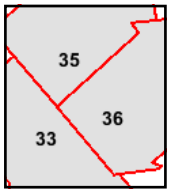
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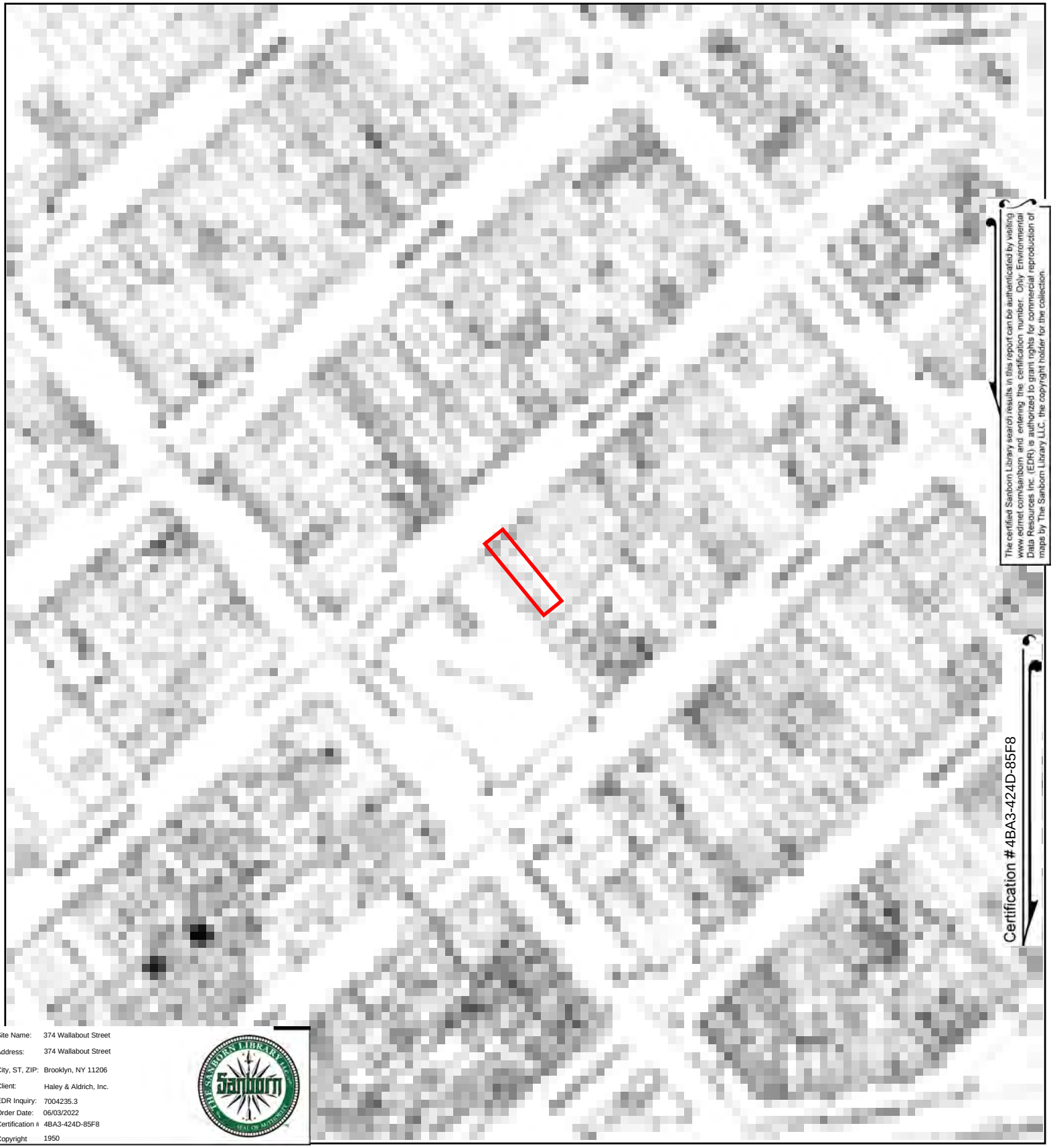
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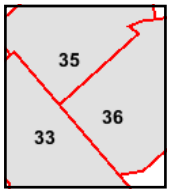
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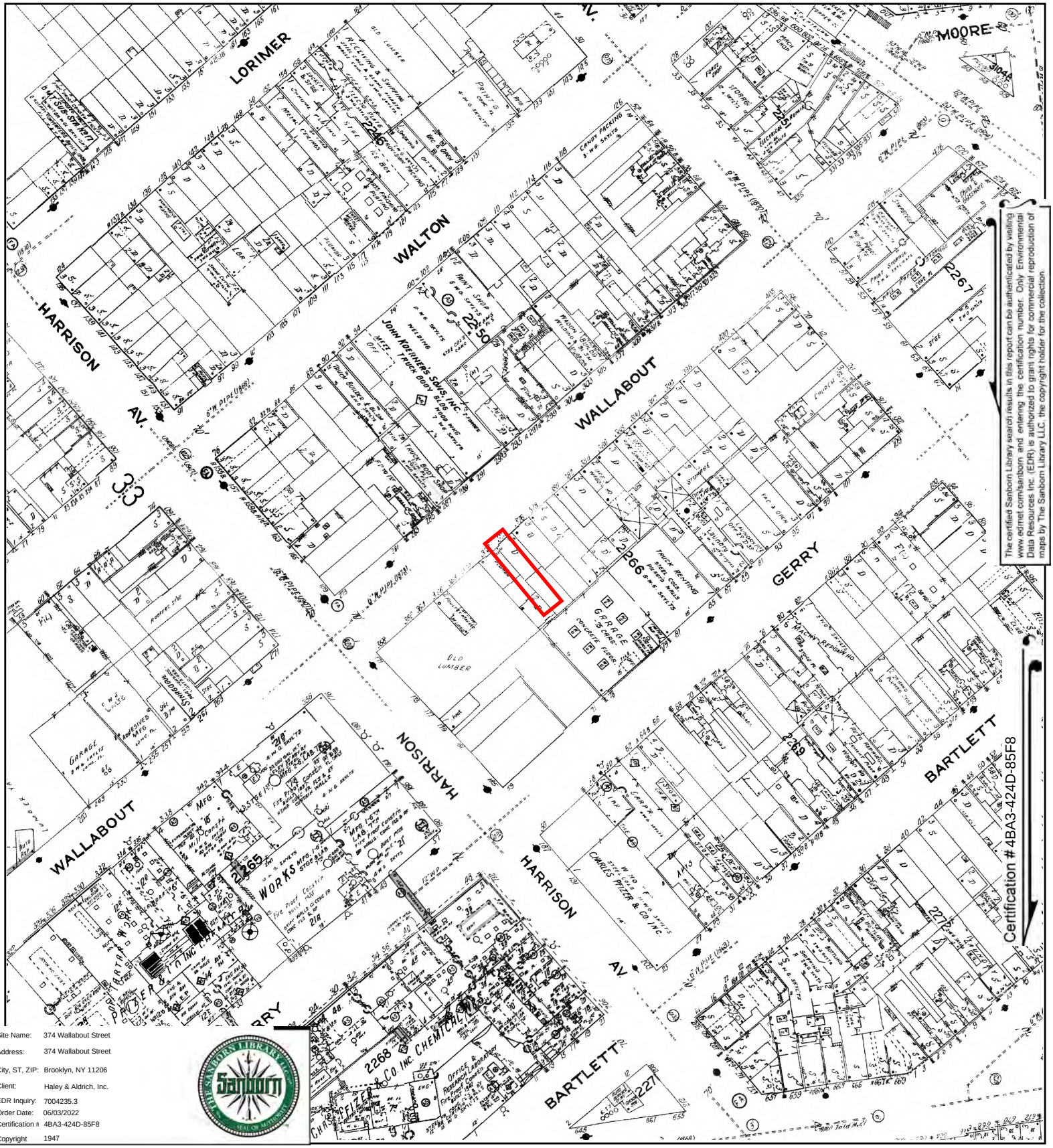
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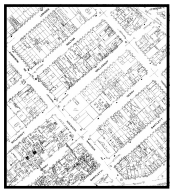
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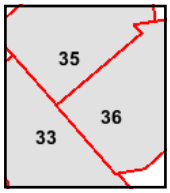
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Certification #	4BA3-424D-85F8
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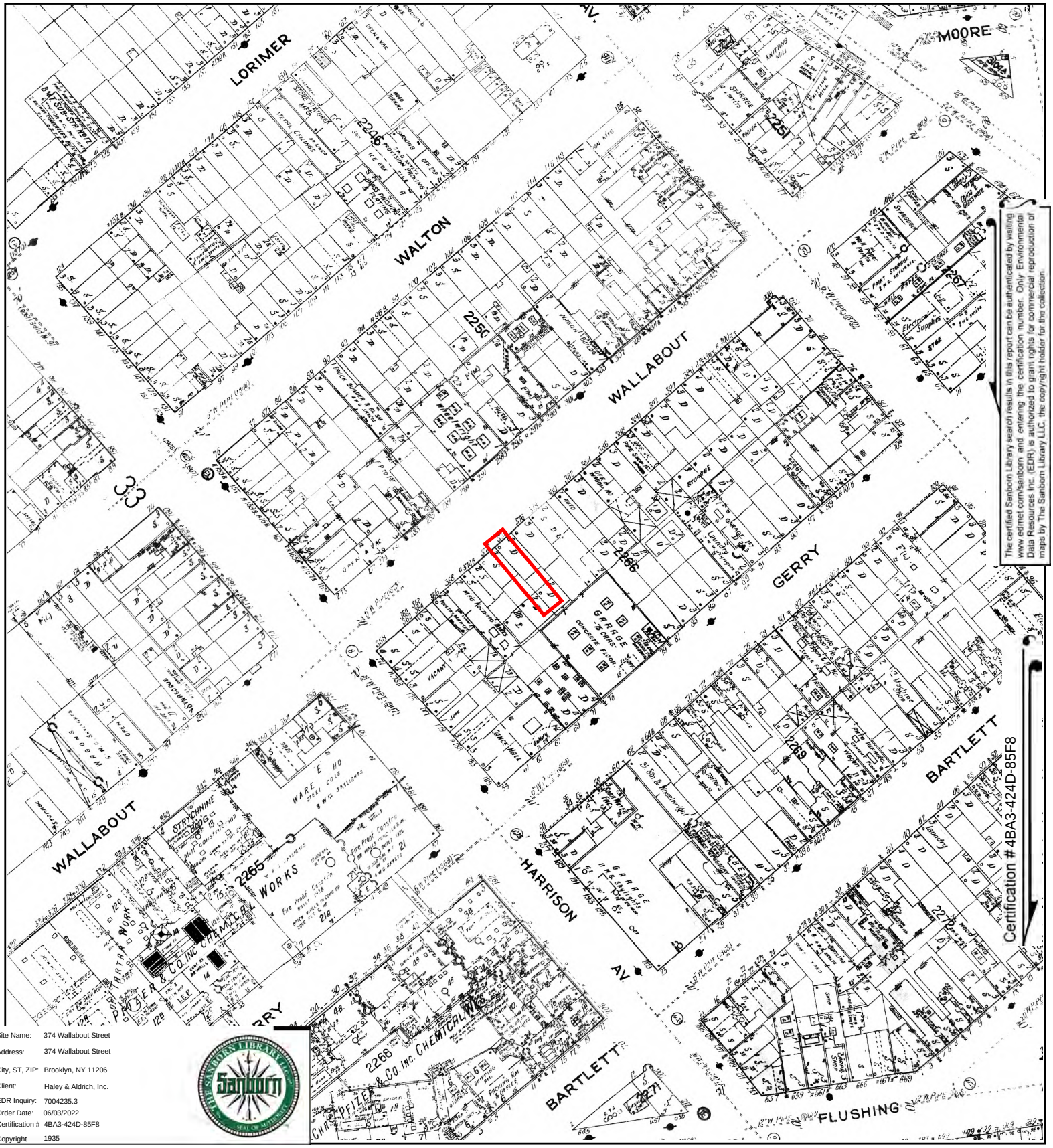
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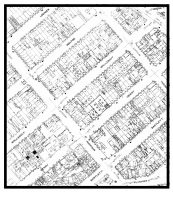


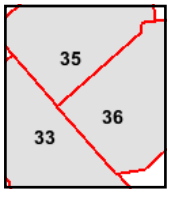
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Copyright	1935

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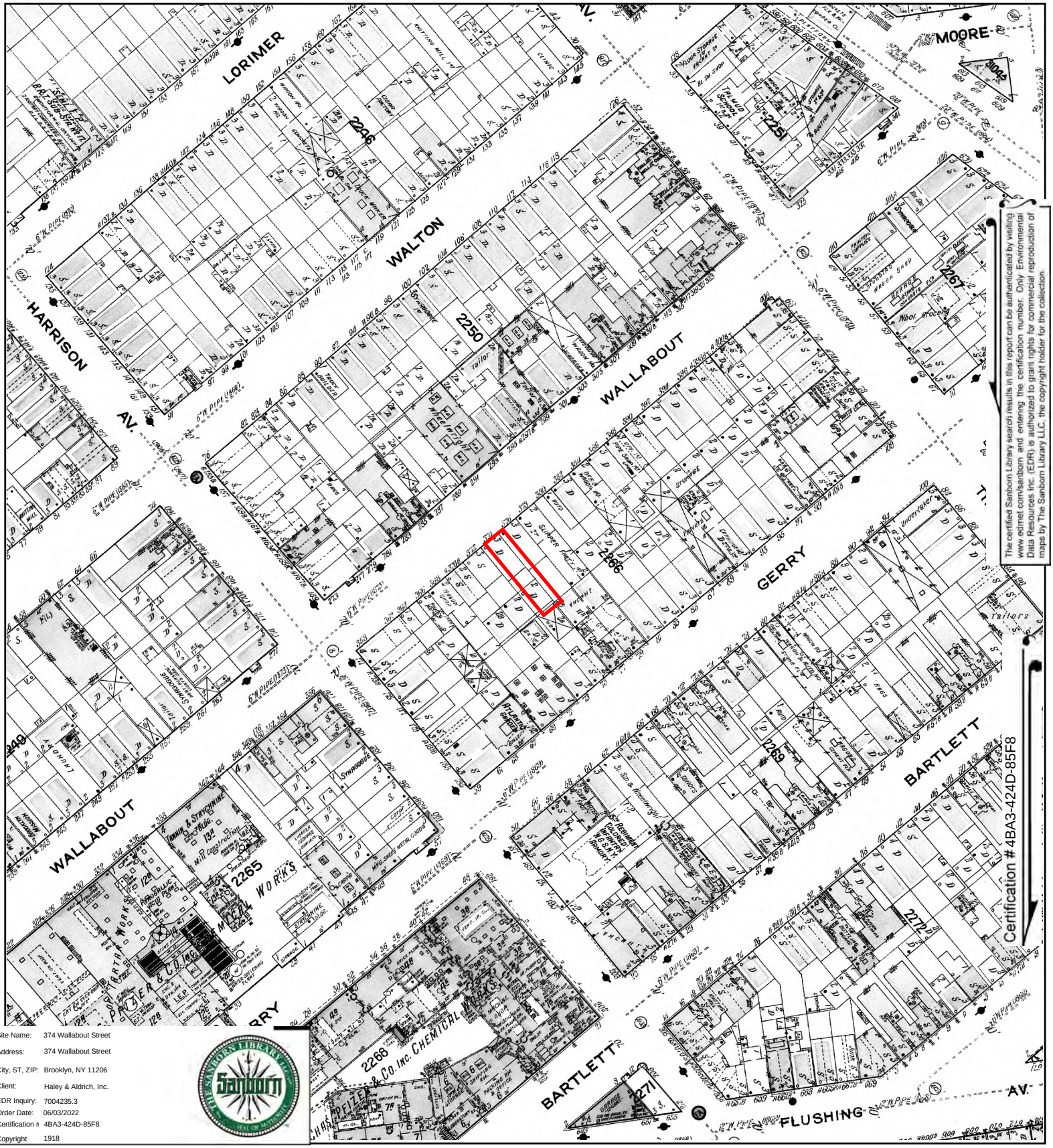




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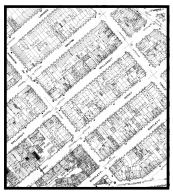
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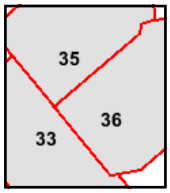


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Copyright	1918

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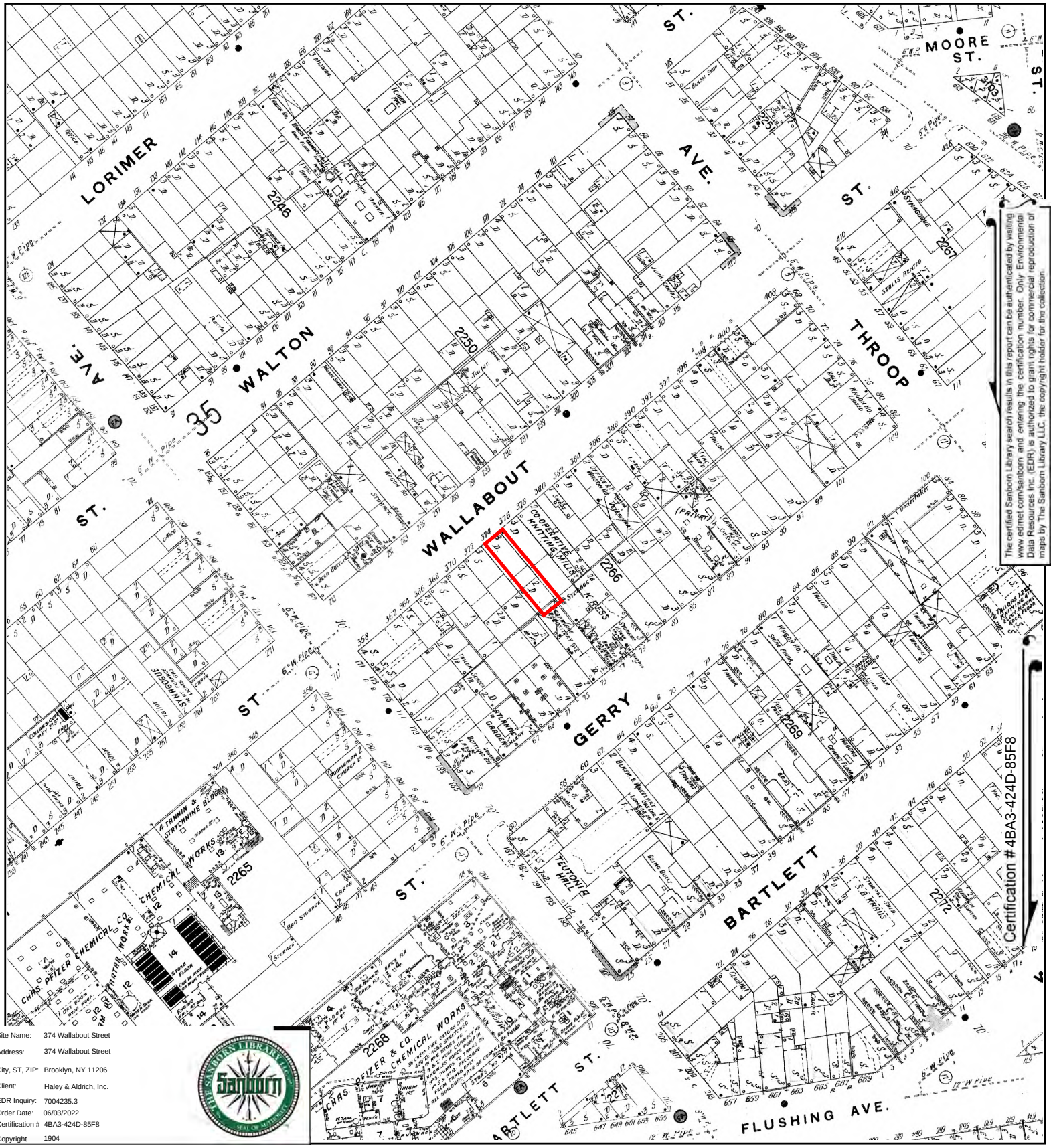




Volume 3, Sheet 36
Volume 3, Sheet 35
Volume 3, Sheet 33

0 Feet 150 300 600

N



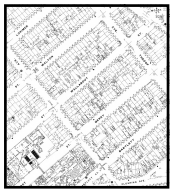
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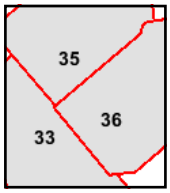
Certification # 4BA3-424D-85F8

Site Name:	374 Wallabout Street
Address:	374 Wallabout Street
City, ST, ZIP:	Brooklyn, NY 11206
Client:	Haley & Aldrich, Inc.
EDR Inquiry:	7004235.3
Order Date:	06/03/2022
Certification #	4BA3-424D-85F8
Copyright	1904

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

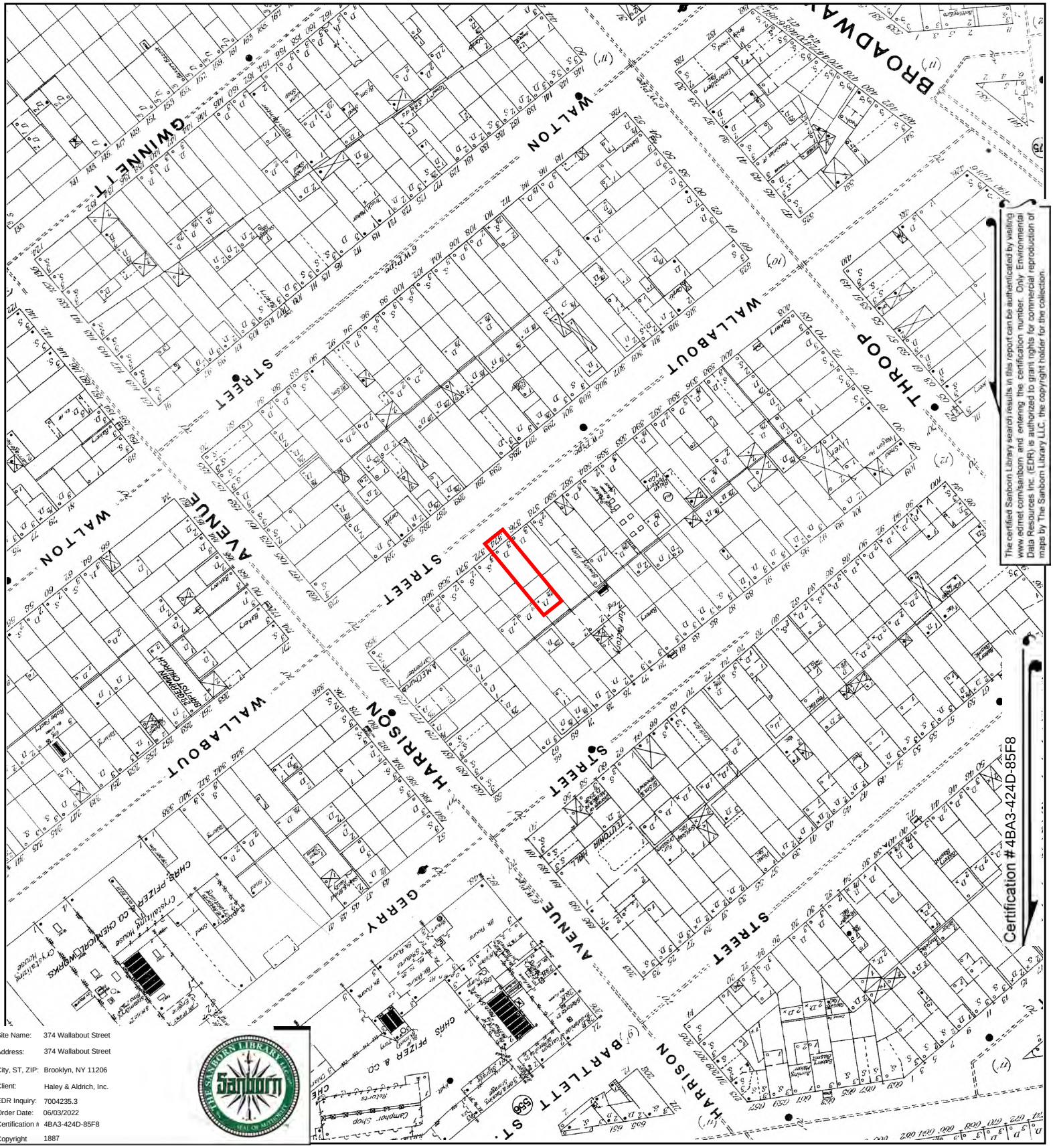
0 Feet 150 300 600





Volume 3, Sheet 36
Volume 3, Sheet 35
Volume 3, Sheet 33

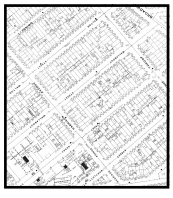
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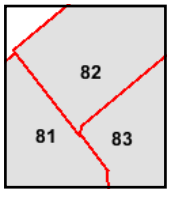


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Site Name:	374 Wallabout Street
Address:	374 Wallabout Street
City, ST, ZIP:	Brooklyn, NY 11206
Client:	Haley & Aldrich, Inc.
EDR Inquiry:	7004235.3
Order Date:	06/03/2022
Certification #	4BA3-424D-85F8
Copyright	1887

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.





Volume 3, Sheet 83
Volume 3, Sheet 82
Volume 3, Sheet 81

0 Feet 150 300 600

N

374 Wallabout Street

374 Wallabout Street

Brooklyn, NY 11206

Inquiry Number: 7004235.8

June 02, 2022

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

06/02/22

Site Name:

374 Wallabout Street
374 Wallabout Street
Brooklyn, NY 11206
EDR Inquiry # 7004235.8

Client Name:

Haley & Aldrich, Inc.
299 Cherry Hill Road
Parsippany, NJ 07054
Contact: Zach Simmel

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1994	1"=500'	Acquisition Date: April 04, 1994	USGS/DOQQ
1991	1"=500'	Flight Date: March 09, 1991	NAPP
1984	1"=500'	Flight Date: March 26, 1984	USDA
1980	1"=500'	Flight Date: July 25, 1980	NOAA
1976	1"=500'	Flight Date: October 29, 1976	USGS
1974	1"=500'	Flight Date: October 19, 1974	NOAA
1966	1"=500'	Flight Date: February 23, 1966	USGS
1954	1"=500'	Flight Date: January 04, 1954	USGS
1951	1"=500'	Flight Date: April 21, 1951	EDR Proprietary Aerial Viewpoint
1924	1"=500'	Flight Date: July 01, 1924	FAIR

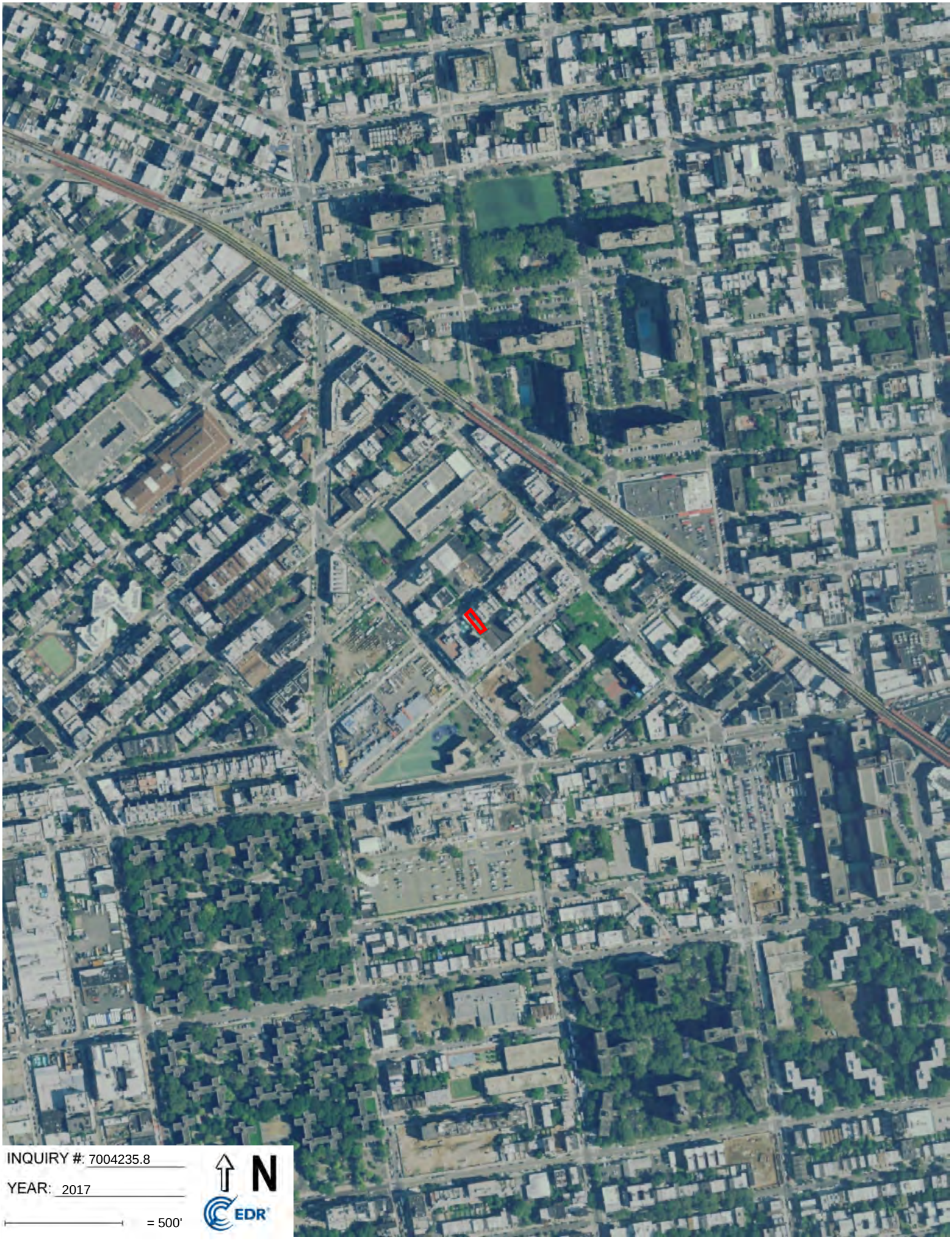
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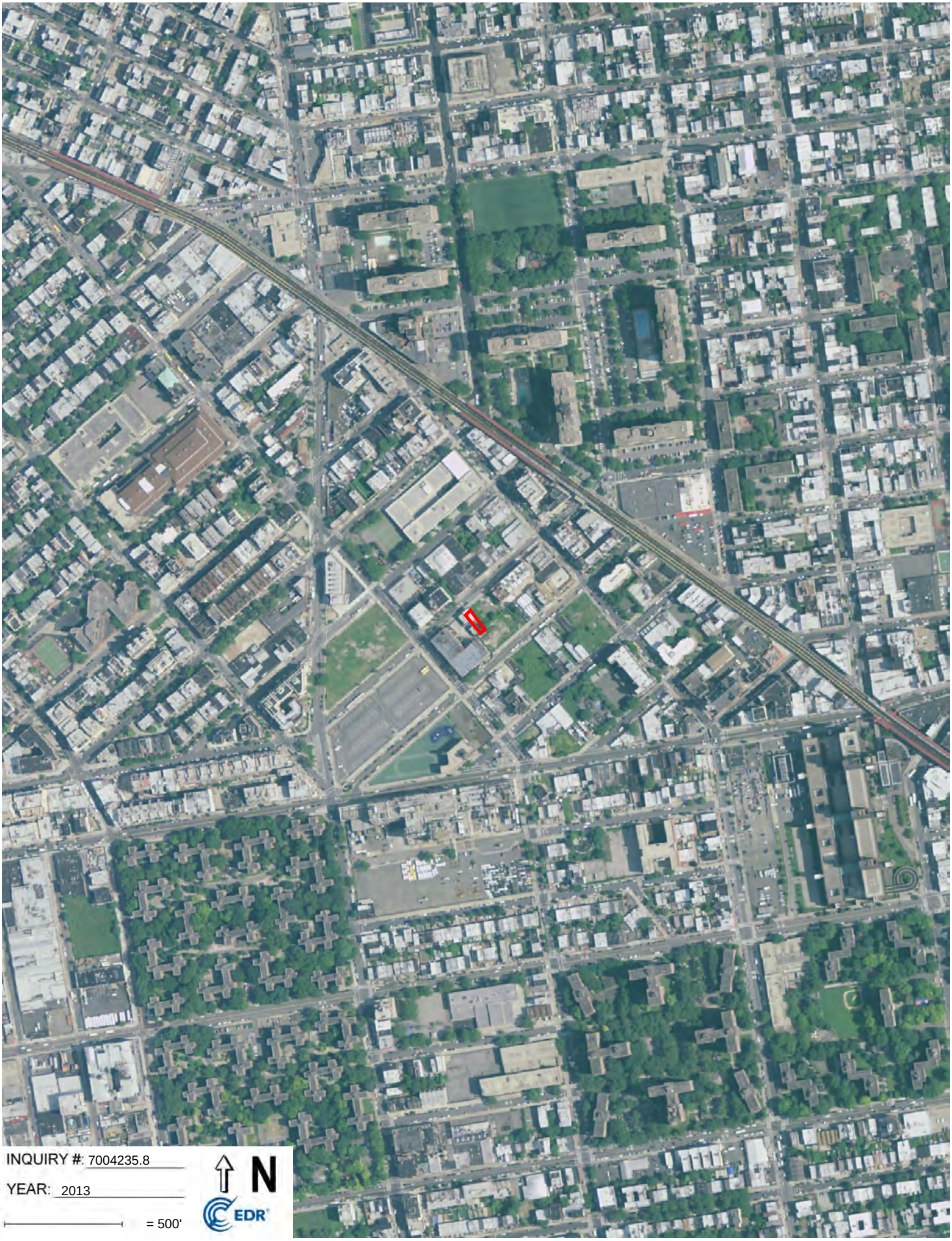
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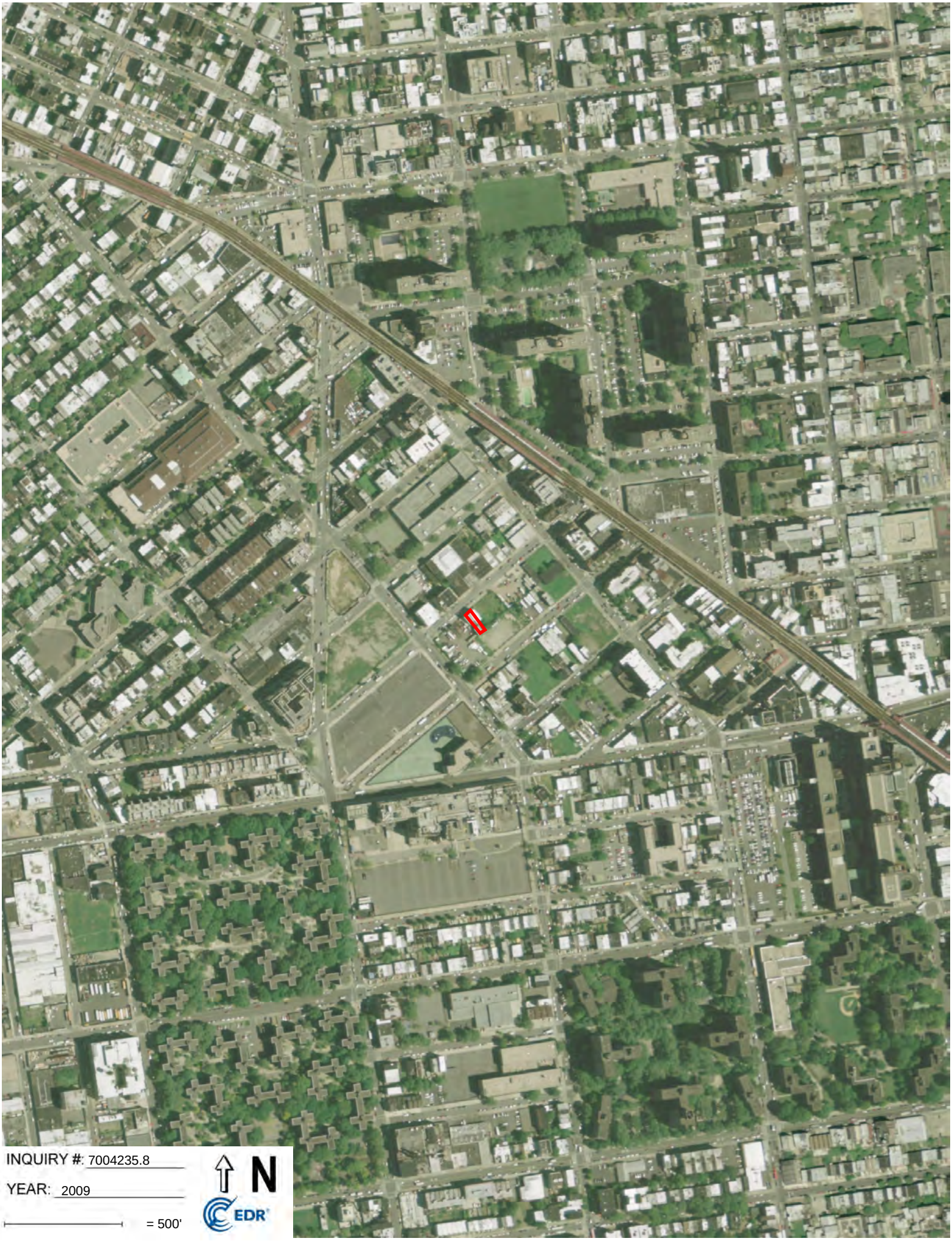
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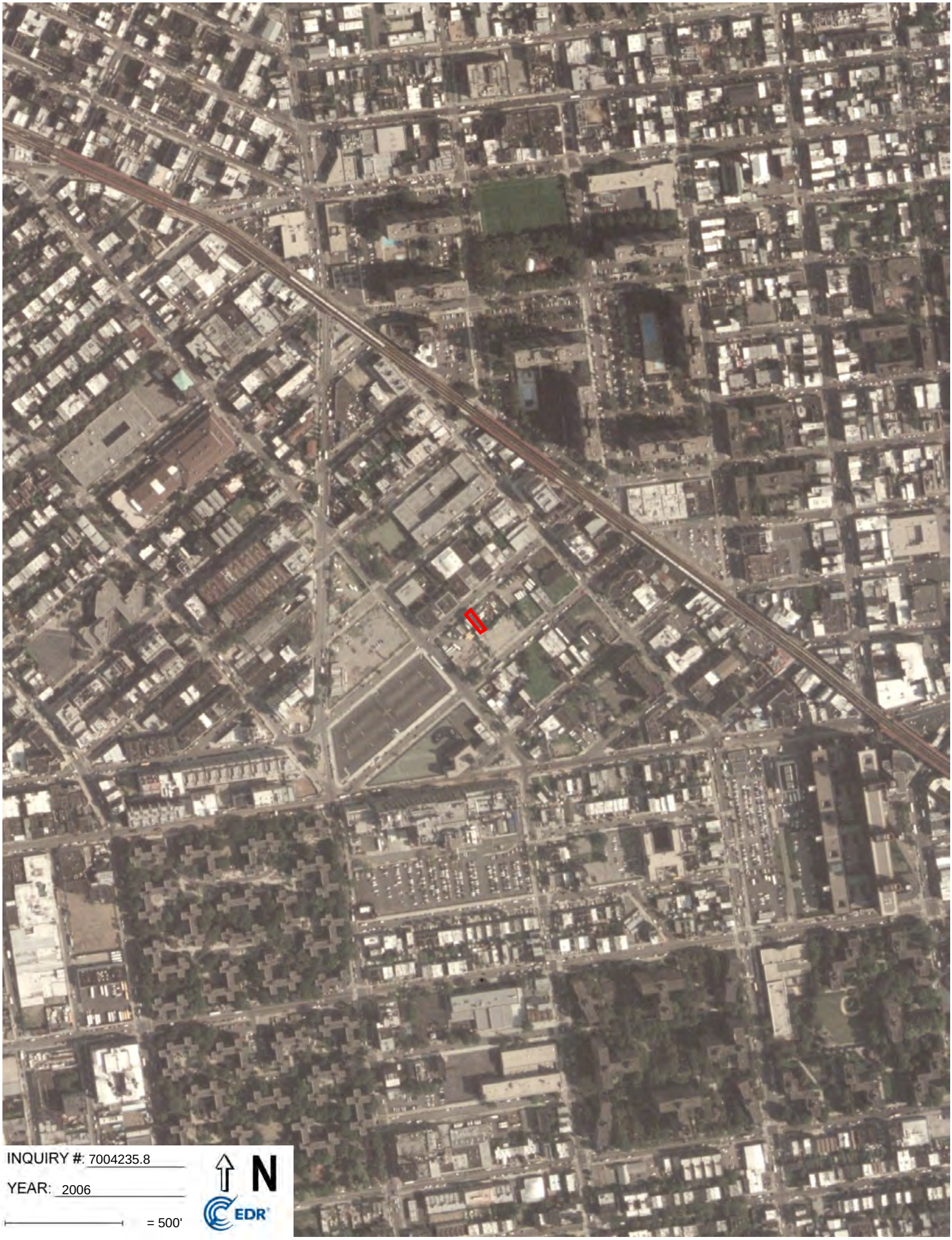
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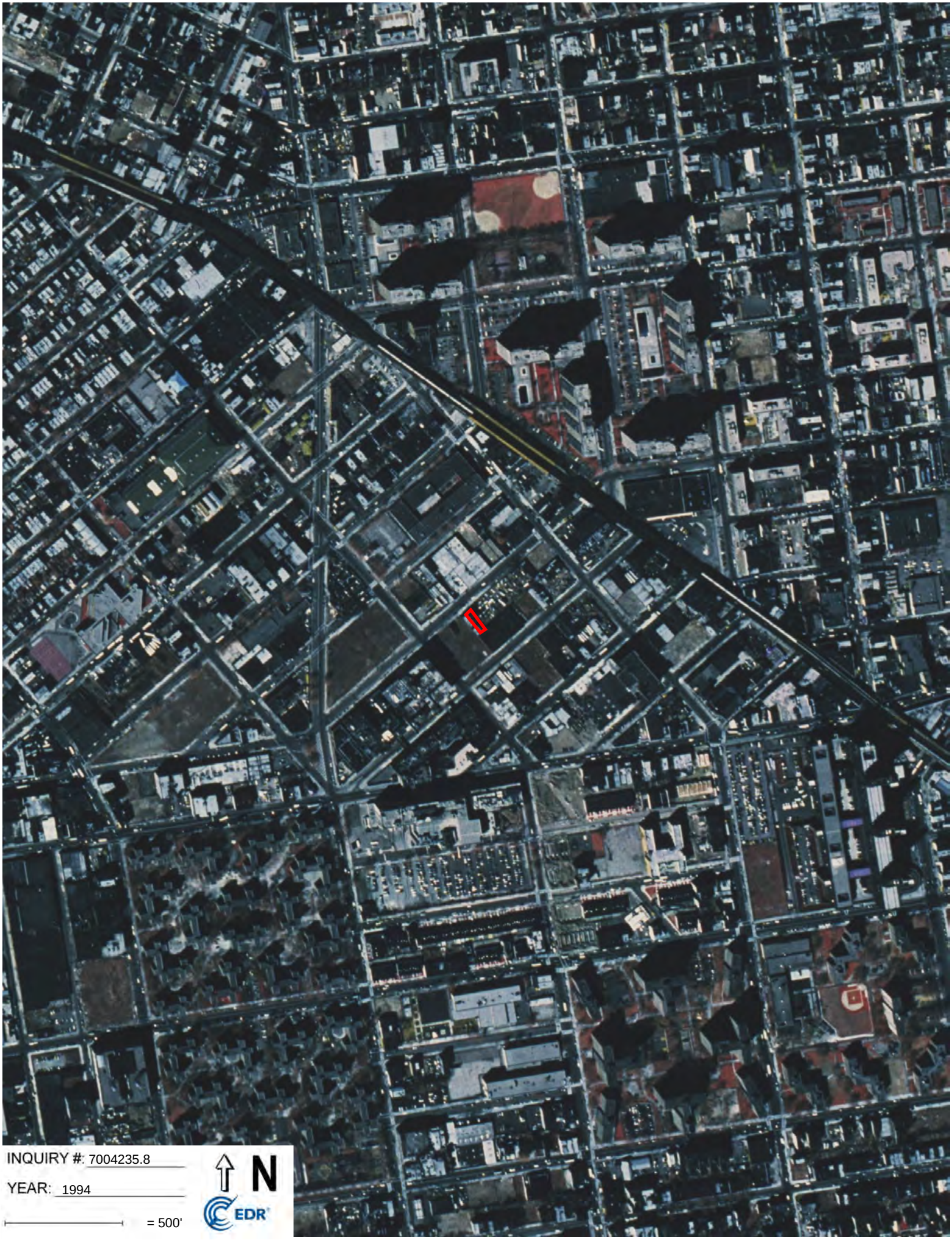
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EDR

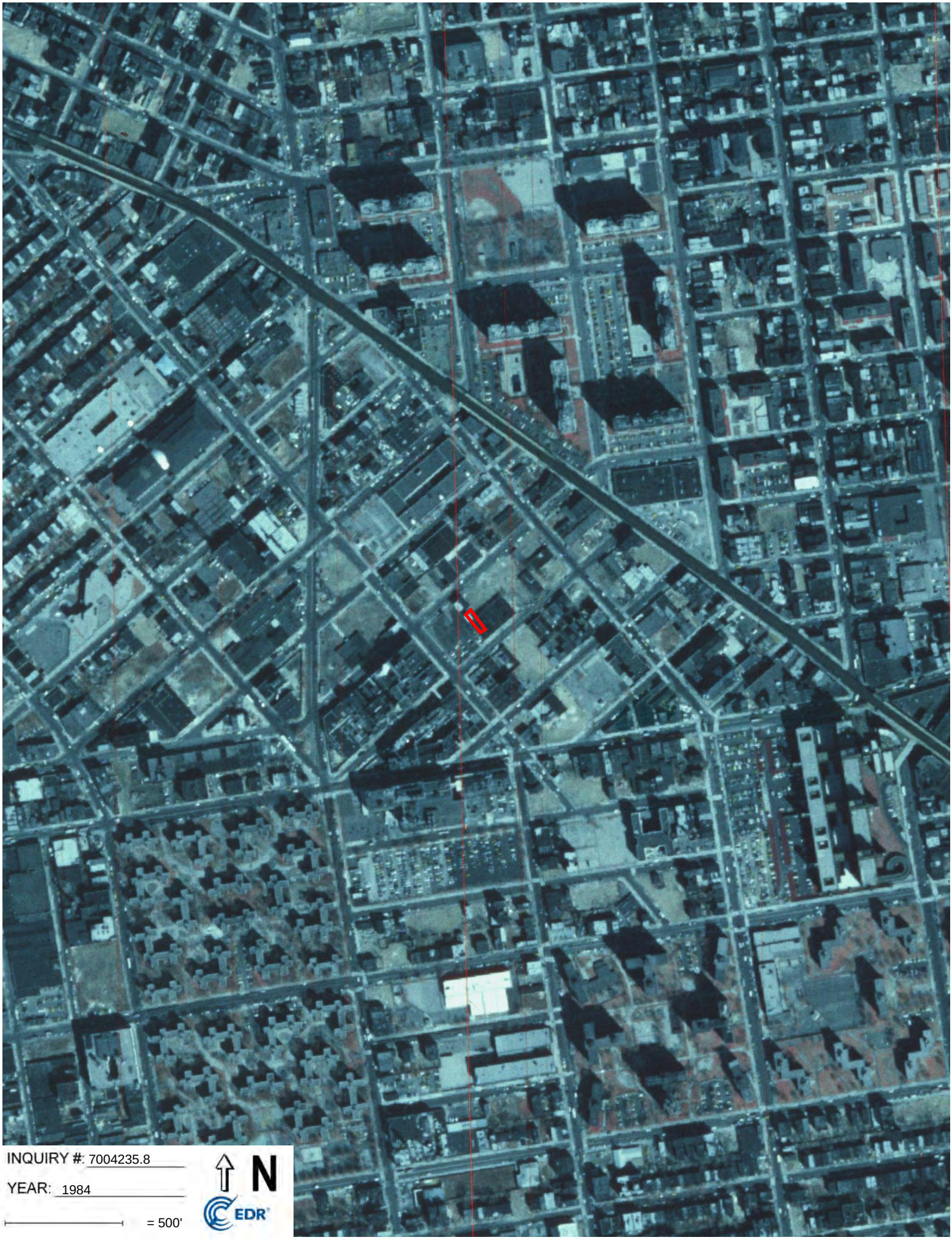

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YEAR: 2013
= 500'
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EDR


INQUIRY #: 7004235.8
YEAR: 2009
= 500'
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EDR


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YEAR: 2006
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EDR

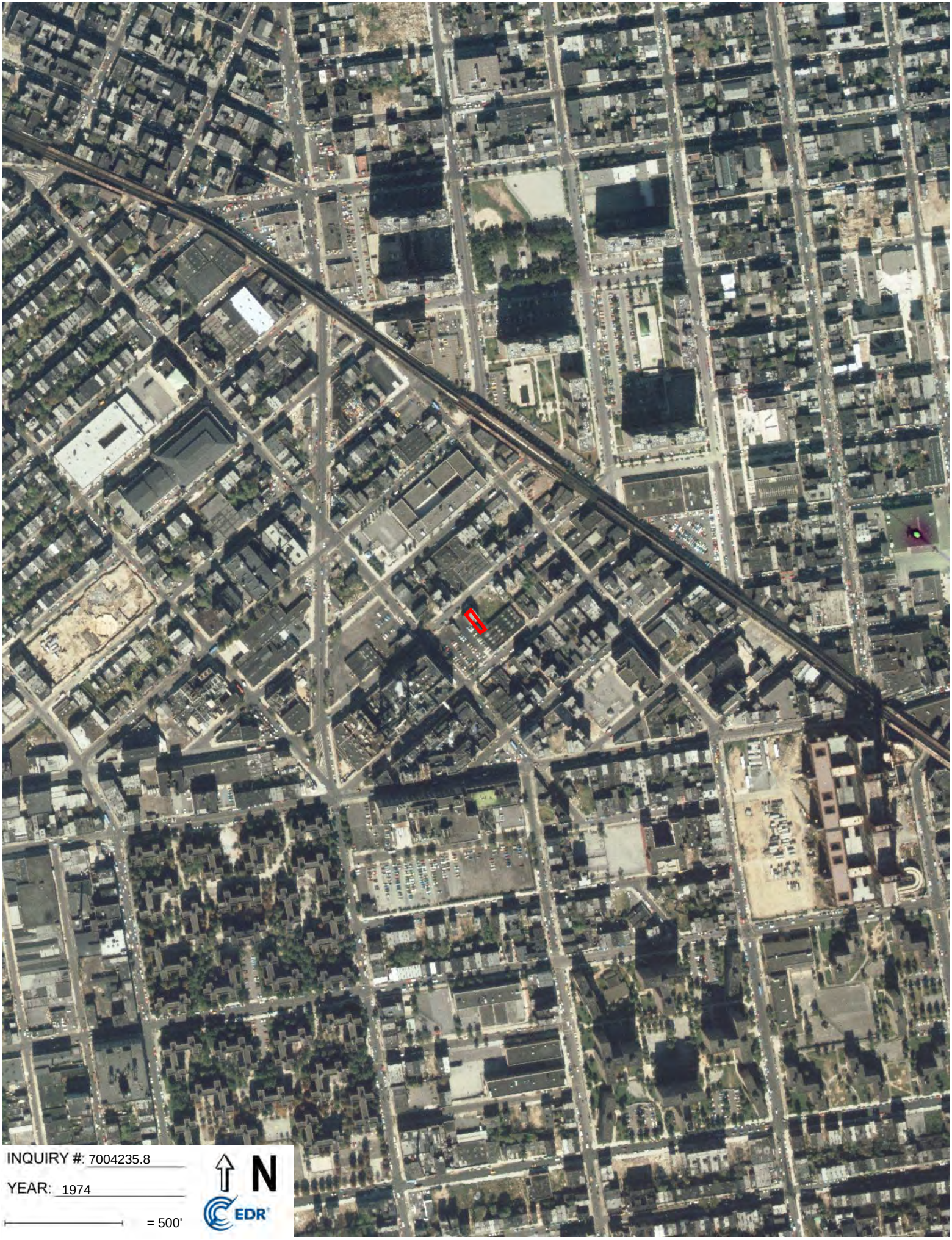

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EDR


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EDR


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YEAR: 1984
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EDR

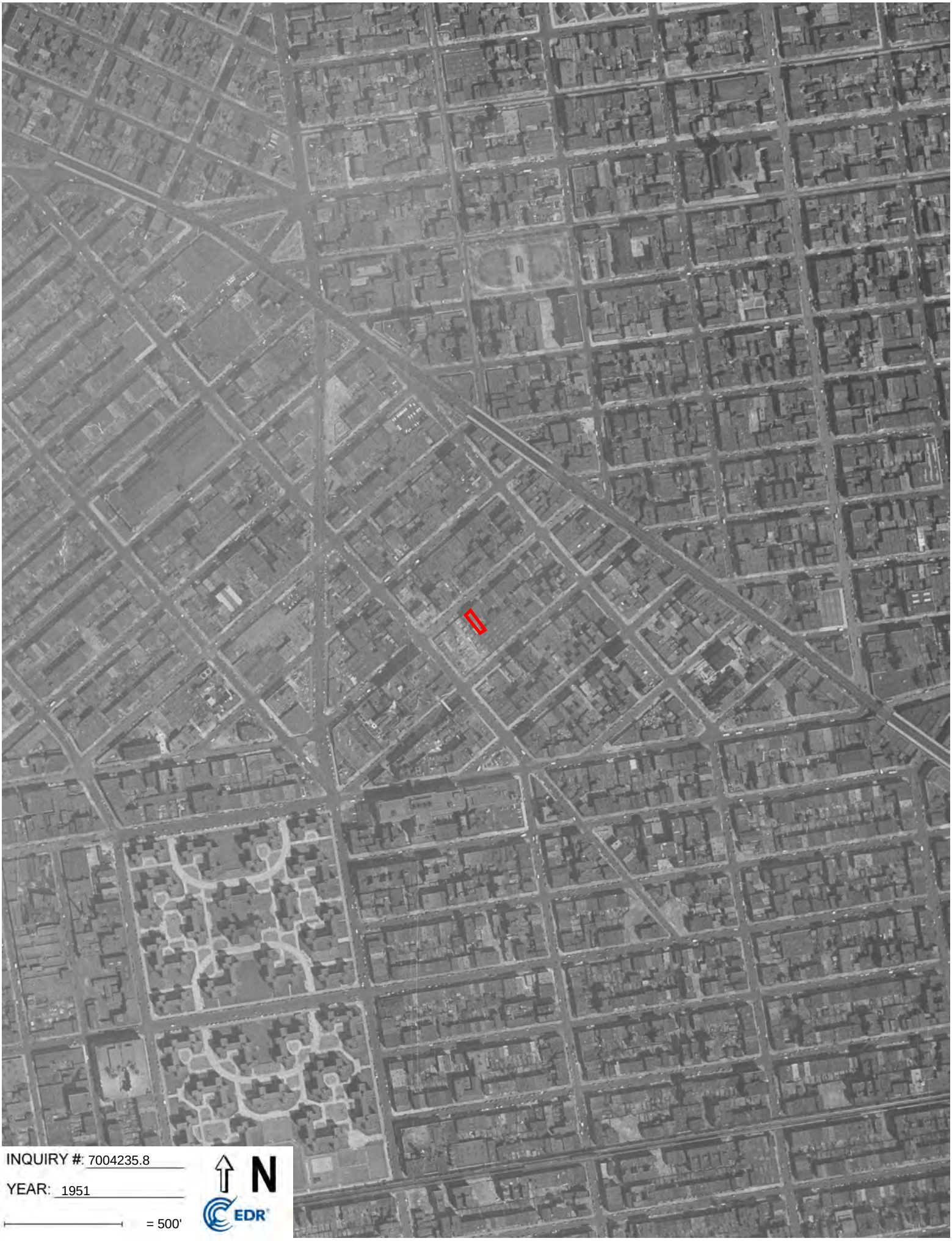

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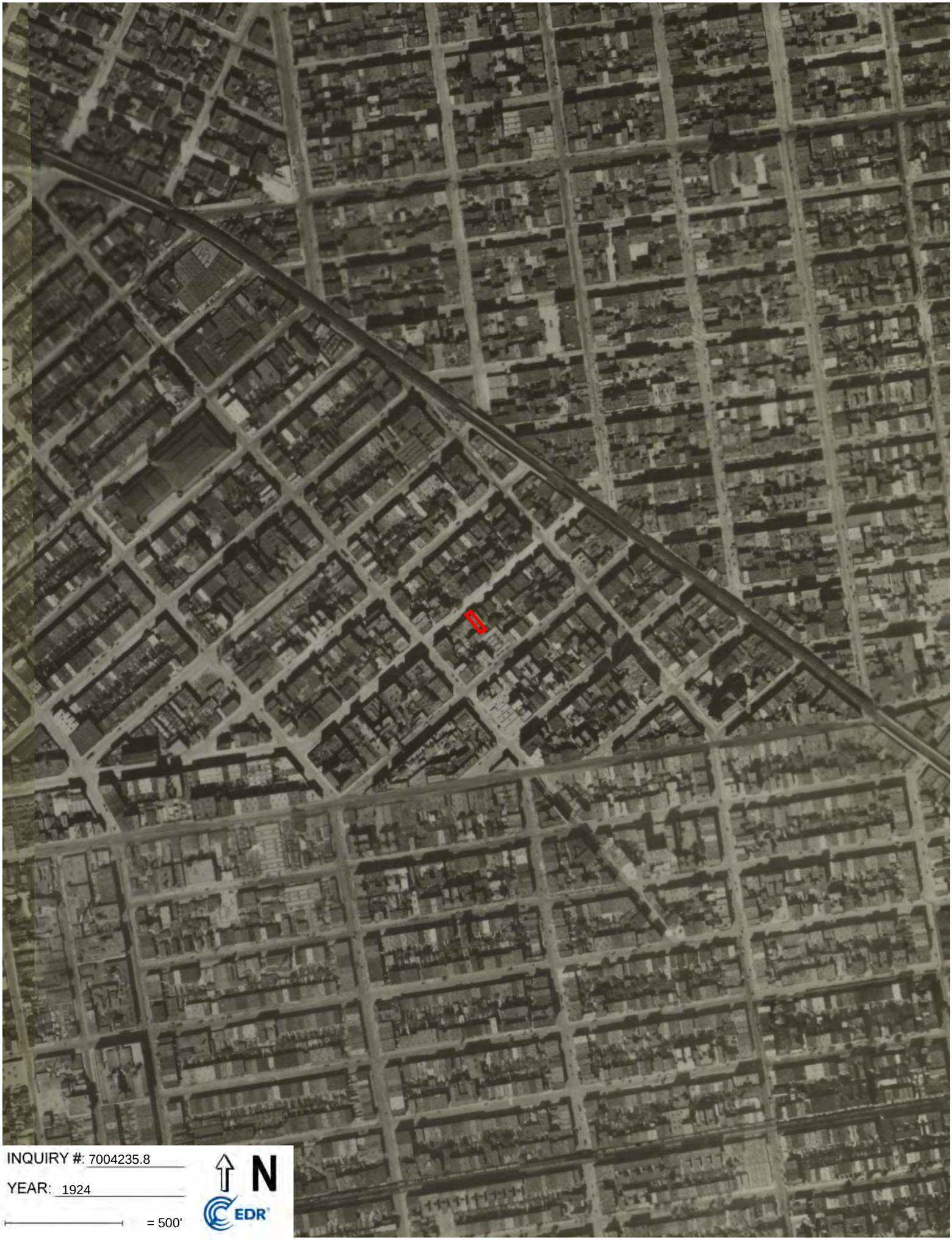

INQUIRY #: 7004235.8
YEAR: 1976
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EDR


INQUIRY #: 7004235.8
YEAR: 1974
= 500'
N
EDR


INQUIRY #: 7004235.8
YEAR: 1966
= 500'
N
EDR


INQUIRY #: 7004235.8
YEAR: 1954
= 500'
N
EDR


INQUIRY #: 7004235.8
YEAR: 1951
= 500'
N
EDR


INQUIRY #: 7004235.8
YEAR: 1924
= 500'
N
EDR

374 Wallabout Street

374 Wallabout Street

Brooklyn, NY 11206

Inquiry Number: 7004235.4

June 02, 2022

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

06/02/22

Site Name:

374 Wallabout Street
374 Wallabout Street
Brooklyn, NY 11206
EDR Inquiry # 7004235.4

Client Name:

Haley & Aldrich, Inc.
299 Cherry Hill Road
Parsippany, NJ 07054
Contact: Zach Simmel

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Haley & Aldrich, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 0205892

Project: 374 Wallabout Street

Coordinates:

Latitude:	40.701813 40° 42' 7" North
Longitude:	-73.947939 -73° 56' 53" West
UTM Zone:	Zone 18 North
UTM X Meters:	588878.25
UTM Y Meters:	4506188.49
Elevation:	13.00' above sea level

Maps Provided:

2019	1900
2016	1898
2013	1897
1995	
1979	
1967	
1956	
1947	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2019 Source Sheets



Brooklyn
2019
7.5-minute, 24000

2016 Source Sheets



Brooklyn
2016
7.5-minute, 24000

2013 Source Sheets



Brooklyn
2013
7.5-minute, 24000

1995 Source Sheets



Brooklyn
1995
7.5-minute, 24000
Aerial Photo Revised 1977

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1979 Source Sheets



Brooklyn
1979
7.5-minute, 24000
Aerial Photo Revised 1977

1967 Source Sheets



Brooklyn
1967
7.5-minute, 24000
Aerial Photo Revised 1966

1956 Source Sheets



Brooklyn
1956
7.5-minute, 24000

1947 Source Sheets



Brooklyn
1947
7.5-minute, 24000
Aerial Photo Revised 1940

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1900 Source Sheets



Brooklyn
1900
15-minute, 62500

1898 Source Sheets



Brooklyn
1898
15-minute, 62500

1897 Source Sheets



Brooklyn
1897
15-minute, 62500

Historical Topo Map

2019



This report includes information from the following map sheet(s).

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W E
SW S SE

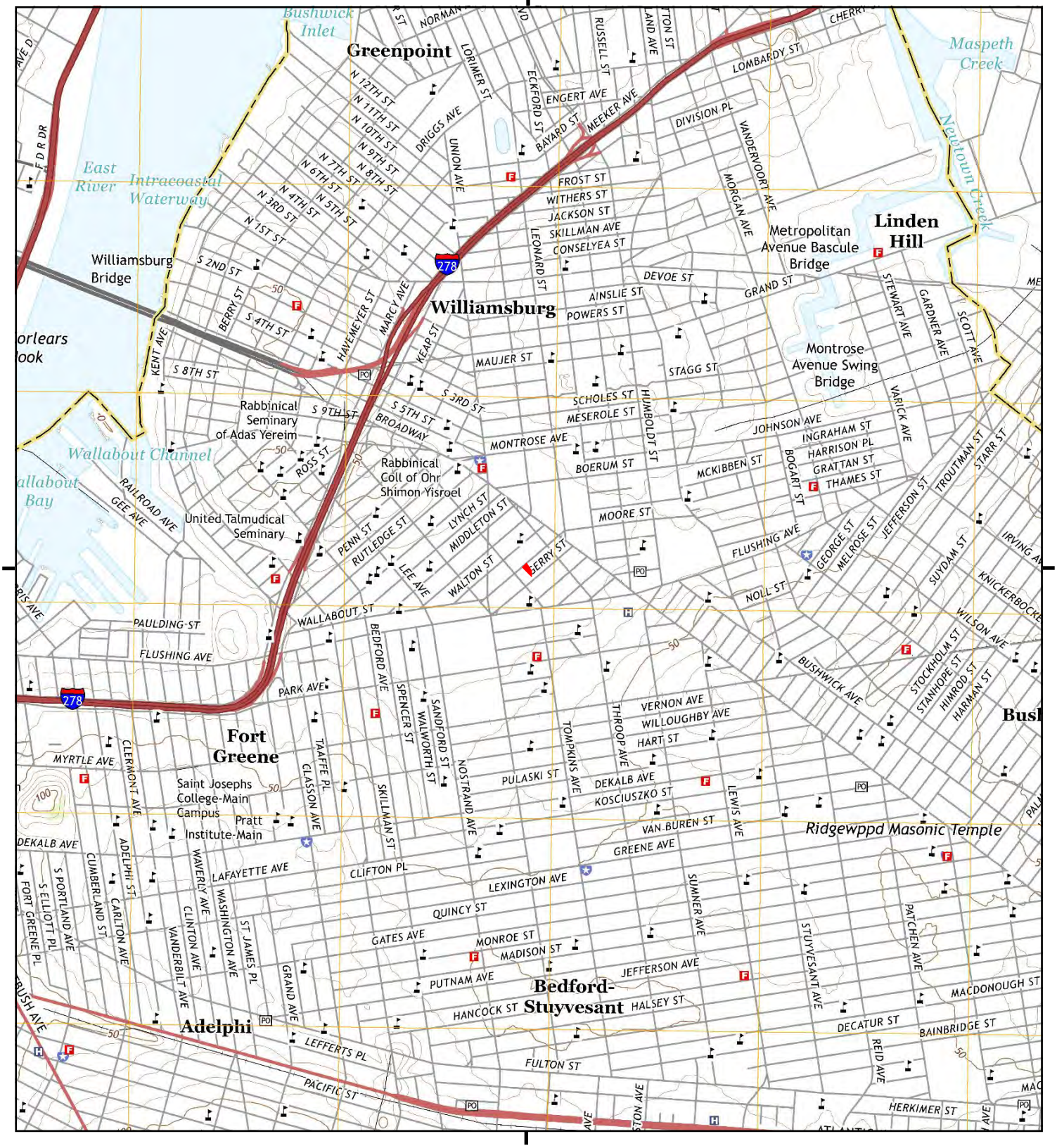
TP, Brooklyn, 2019, 7.5-minute

SITE NAME: 374 Wallabout Street
ADDRESS: 374 Wallabout Street
Brooklyn, NY 11206
CLIENT: Haley & Aldrich, Inc.

N

Historical Topo Map

2016



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

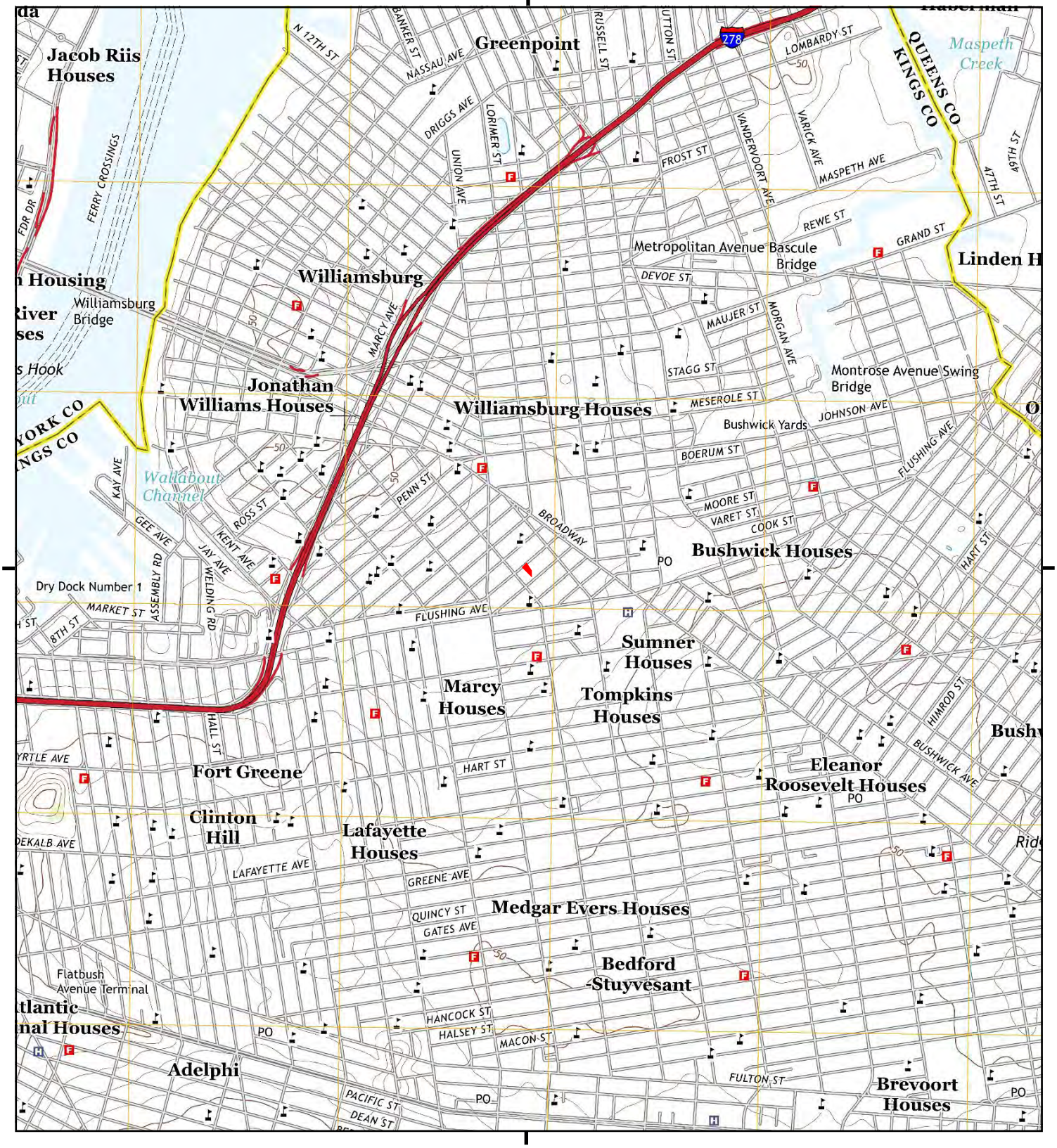
TP, Brooklyn, 2016, 7.5-minute

SITE NAME: 374 Wallabout Street
ADDRESS: 374 Wallabout Street
Brooklyn, NY 11206
CLIENT: Haley & Aldrich, Inc.

N

Historical Topo Map

2013



This report includes information from the following map sheet(s).

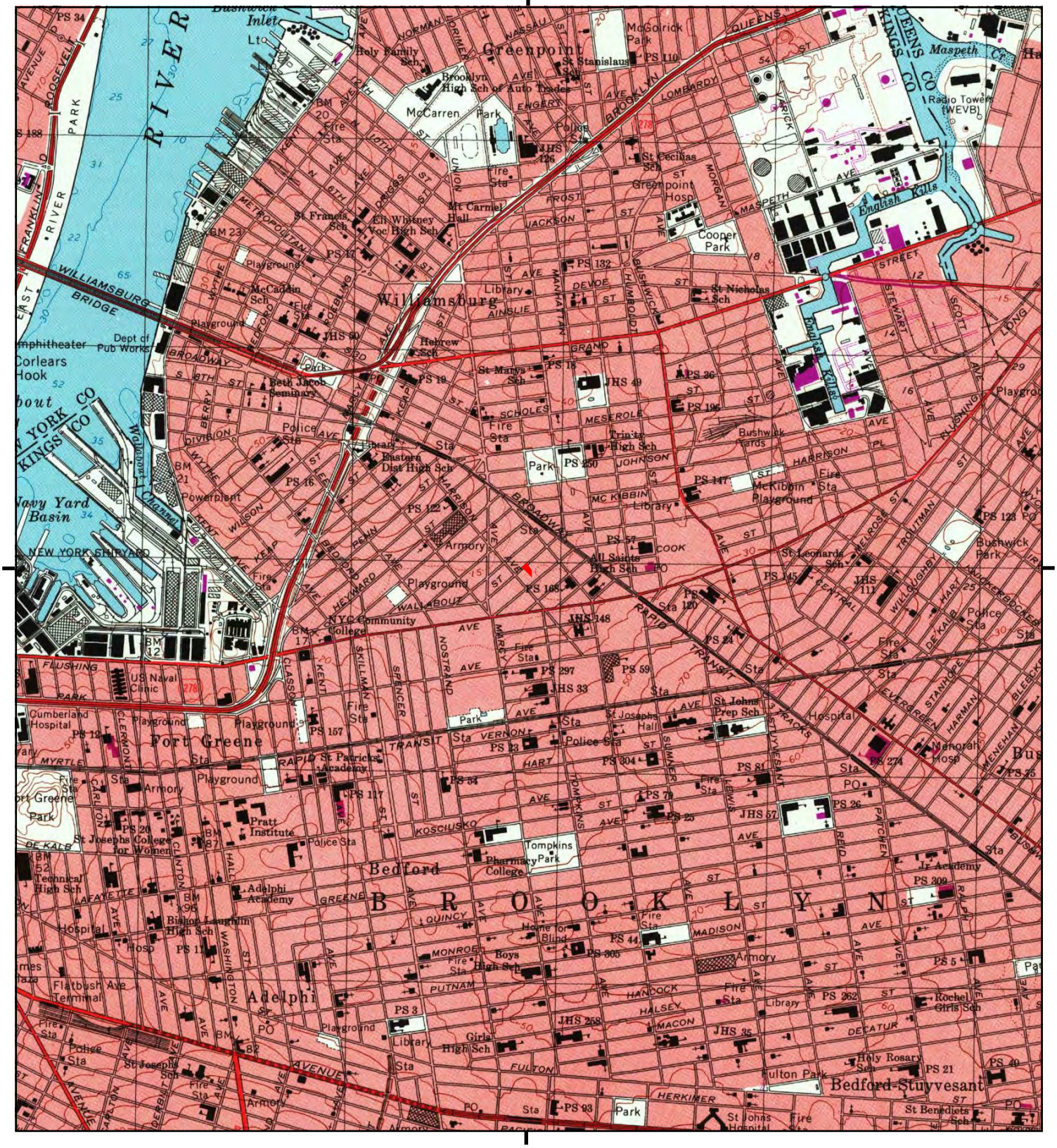
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brooklyn, 2013, 7.5-minute

SITE NAME: 374 Wallabout Street
ADDRESS: 374 Wallabout Street
Brooklyn, NY 11206
CLIENT: Haley & Aldrich, Inc.

N



This report includes information from the following map sheet(s).

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W E
SW S SE

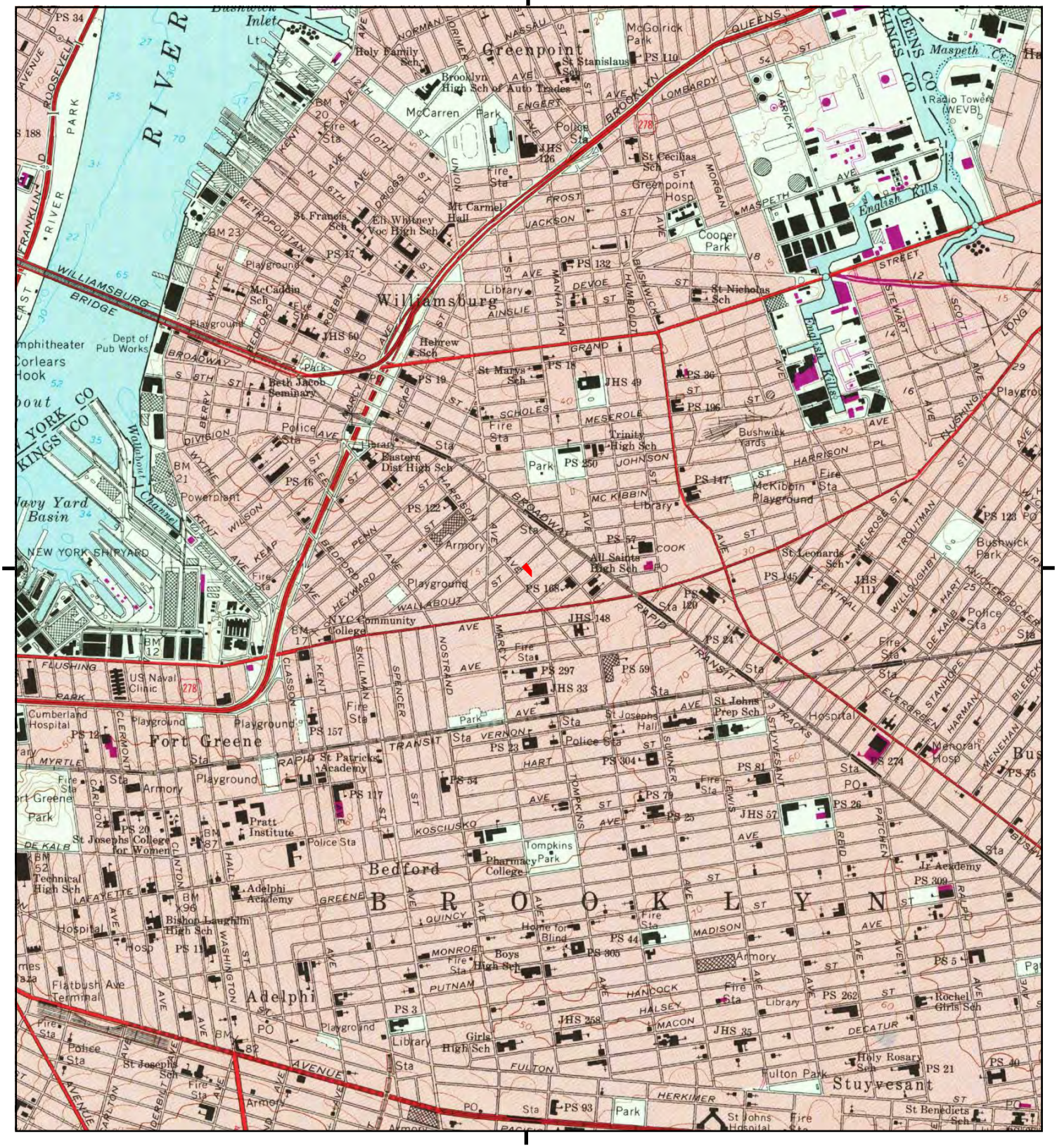
TP, Brooklyn, 1995, 7.5-minute

SITE NAME: 374 Wallabout Street
ADDRESS: 374 Wallabout Street
Brooklyn, NY 11206
CLIENT: Haley & Aldrich, Inc.

N

Historical Topo Map

1979



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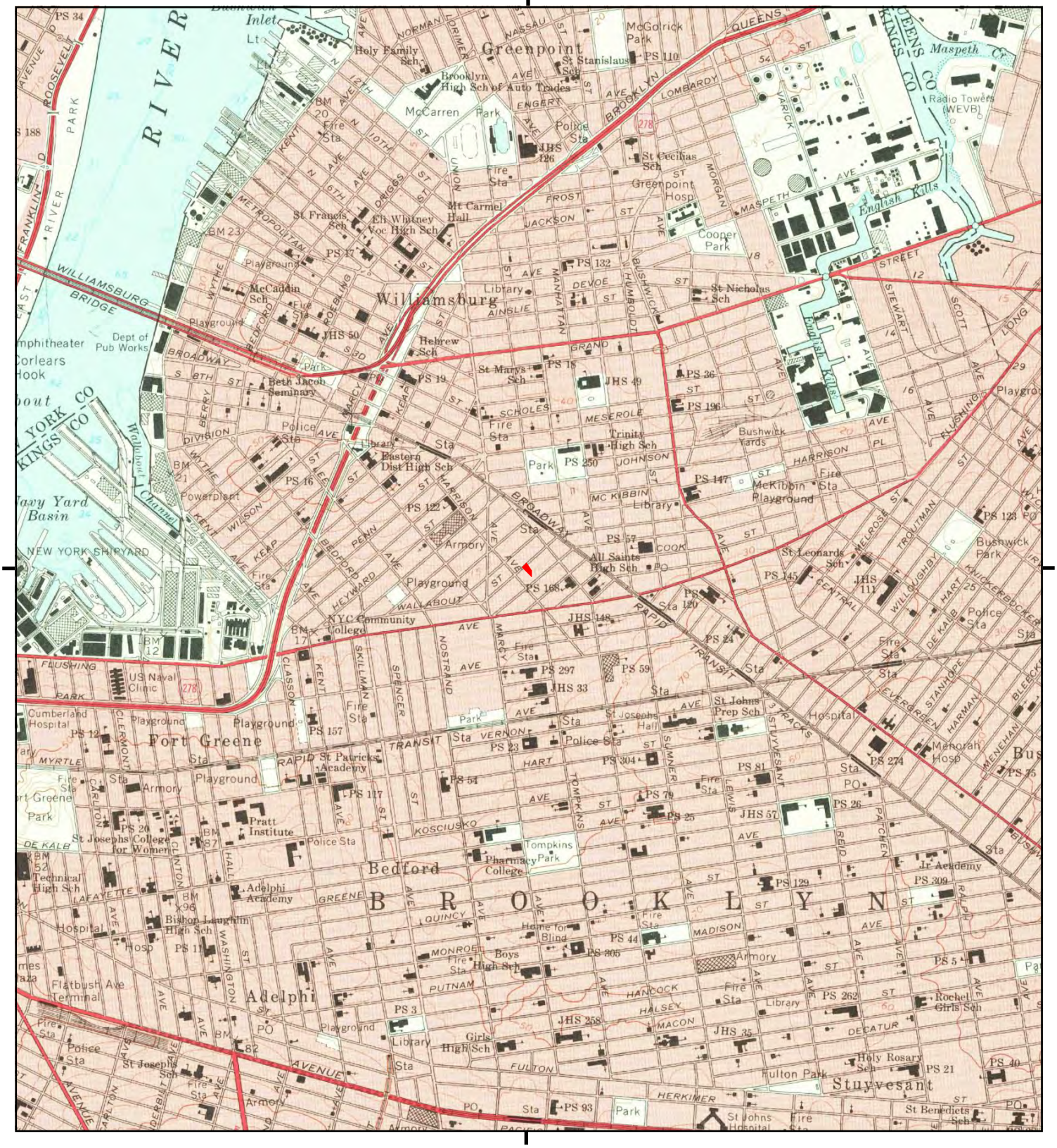
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brooklyn, 1979, 7.5-minute

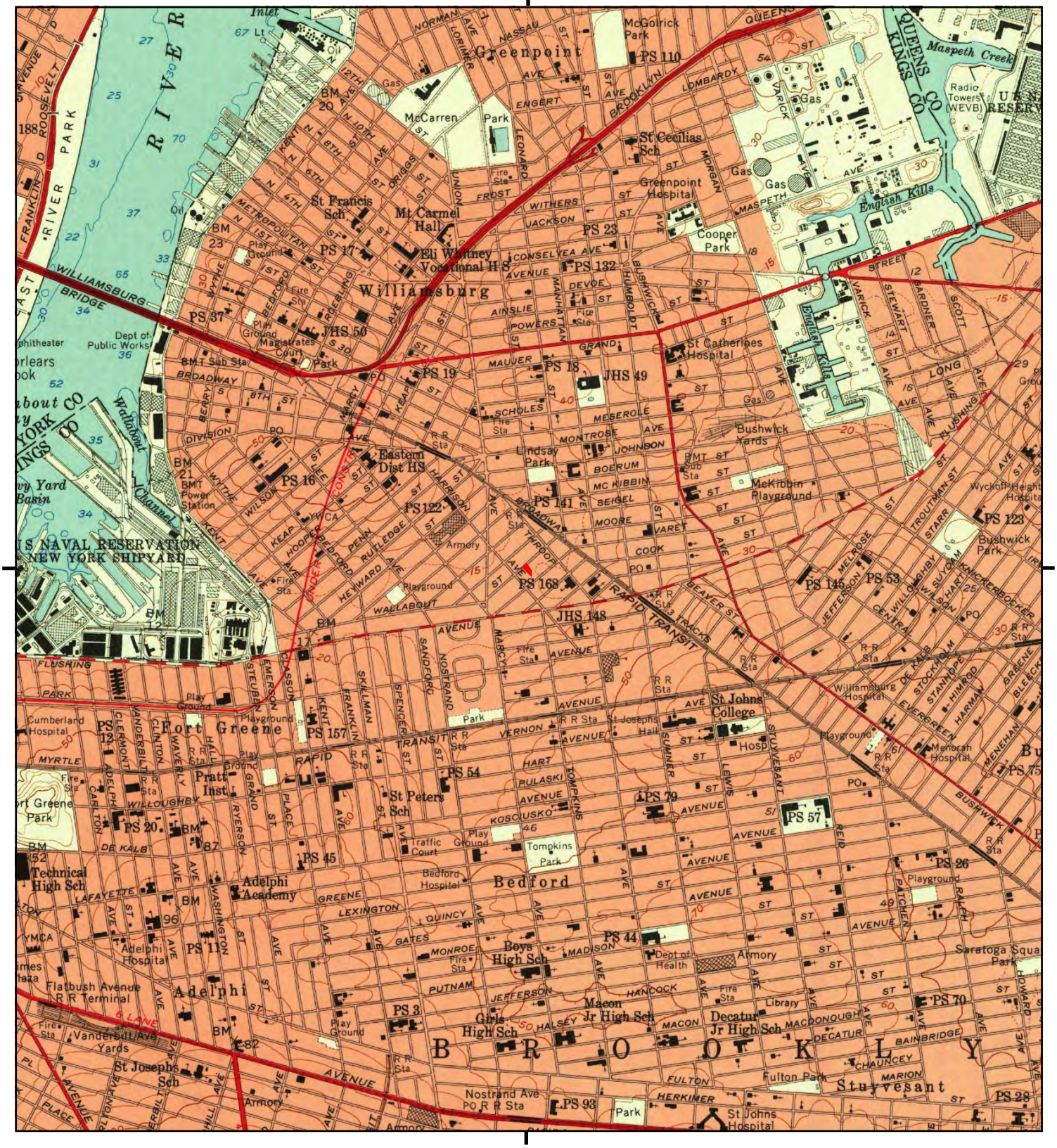
SITE NAME: 374 Wallabout Street
ADDRESS: 374 Wallabout Street
Brooklyn, NY 11206
CLIENT: Haley & Aldrich, Inc.

N


RIVER
Greenpoint
Williamsburg
Bushwick Yards
Fort Greene
Bedford
BROOKLYN
Adelphi
Stuyvesant
NEW YORK SHIPYARD
Navy Yard Basin
WILLIAMSBURG BRIDGE
McGolrick Park
McCarren Park
Cooper Park
Bushwick Park
Tompkins Park
Fulton Park
Maspeth
English Kills
Radio Towers (WEVB)
Brooklyn High Sch of Auto Trades
St Cecilias Sch
Greenpoint Hosp
Mt Carmel Hall
Eh Whitney Voc High Sch
St Francis Sch
McCaddin Sch
Hebrew Sch
St Marys Sch
St Nicholas Sch
Beth Jacob Seminary
Eastern Dist High Sch
Trinity High Sch
All Saints High Sch
St Leonards Sch
NYC Community College
St Josephs College for Women
St Patricks Academy
Pratt Institute
Adelphi Academy
Bishop Laughlin High Sch
Cumberland Hospital
Hospital
Menorah Hosp
Home for Blind
Boys High Sch
Girls High Sch
Holy Rosary Sch
St Benedicts Sch
St Johns Prep Sch
St Josephs Hall
Rochel Girls Sch
Dept of Pub Works
Powerplant
US Naval Clinic
Flatbush Ave Terminal
Police Sta
Fire Sta
Armory
Library
Playground
Park
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PS 132
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BM 82
BM X96
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Channel
Basin
Amphitheater
Corlears Hook
Holy Family Sch
St Stanislaus Sch
Public Sch 126
Public Sch 278
Public Sch 111
Public Sch 309
Public Sch 75
Public Sch 40
Public Sch 5
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Public Sch 19
Public Sch 16
Public Sch 122
Public Sch 132
Public Sch 36
Public Sch 196
Public Sch 250
Public Sch 147
Public Sch 123

Historical Topo Map

1956



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brooklyn, 1956, 7.5-minute

SITE NAME: 374 Wallabout Street
ADDRESS: 374 Wallabout Street
Brooklyn, NY 11206
CLIENT: Haley & Aldrich, Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brooklyn, 1947, 7.5-minute

SITE NAME: 374 Wallabout Street
ADDRESS: 374 Wallabout Street
Brooklyn, NY 11206
CLIENT: Haley & Aldrich, Inc.

N

Historical Topo Map

1900



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brooklyn, 1900, 15-minute

SITE NAME: 374 Wallabout Street
ADDRESS: 374 Wallabout Street
Brooklyn, NY 11206
CLIENT: Haley & Aldrich, Inc.

N

Historical Topo Map

1898



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brooklyn, 1898, 15-minute

SITE NAME: 374 Wallabout Street
ADDRESS: 374 Wallabout Street
Brooklyn, NY 11206
CLIENT: Haley & Aldrich, Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brooklyn, 1897, 15-minute

SITE NAME: 374 Wallabout Street
ADDRESS: 374 Wallabout Street
Brooklyn, NY 11206
CLIENT: Haley & Aldrich, Inc.

N

374 Wallabout Street
374 Wallabout Street
Brooklyn, NY 11206

Inquiry Number: 7004235.5
June 04, 2022

The EDR-City Directory Abstract

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1928 through 2017. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 200 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2017	Cole Information Services	X	X	X	-
2014	Cole Information Services	X	X	X	-
2009	Cole Information Services	X	X	X	-
2005	Hill-Donnelly Corporation	-	X	X	-
	Hill-Donnelly Corporation	X	X	X	-
2004	Cole Information Services	X	X	X	-
2000	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
1999	Cole Information Services	-	X	X	-
1997	NYNEX	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1997	NYNEX	X	X	X	-
1994	Cole Information Services	X	X	X	-
1992	NYNEX Informantion Resource Co.	-	X	X	-
	NYNEX Informantion Resource Co.	X	X	X	-
1985	NYNEX Information Resources Company	-	X	X	-
1980	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1976	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1973	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1970	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1965	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1960	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
	New York Telephone Company	-	X	X	-
	New York Telephone Company	X	X	X	-
1949	New York Telephone Company	-	X	X	-
1945	New York Telephone	-	X	X	-
1940	New York Telephone	-	X	X	-
1934	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1928	New York Telephone	-	X	X	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

374 Wallabout Street
Brooklyn, NY 11206

FINDINGS DETAIL

Target Property research detail.

WALABOUT

374 WALABOUT

Year	*Uses*	*Source*
1960	GONZALEZ JUANA	New York Telephone
	Gonzalez Juana	New York Telephone Company

WALABOUT st

374 WALABOUT st

Year	*Uses*	*Source*
1970	Gonzalez Juana	New York Telephone
	Torres Jose	New York Telephone

WALABOUT St

374 WALABOUT St

Year	*Uses*	*Source*
1965	Gonzalez Juana	New York Telephone
	Torres Jose	New York Telephone

WALLABOUT

374 WALLABOUT

Year	*Uses*	*Source*
1992	COHETERO MARIA	NYNEX Informantion Resource Co.
	LOPEZ ISABEL	NYNEX Informantion Resource Co.
	MARTINEZ SANTIAGO	NYNEX Informantion Resource Co.
1980	HAZEL ALBERT	New York Telephone

FINDINGS

Year	Uses	Source
1976	HAZEL ALBERT	New York Telephone
	INGLES LUIS S	New York Telephone
1934	BIENGLER FRITZ OPR H	R. L. Polk & Co.
	CHARCZUK WM OPR H	R. L. Polk & Co.
	GROSS NATHAN SLSMN H	R. L. Polk & Co.
	POLLACK ALICE H	R. L. Polk & Co.
	POLLACK SARAH BKPR R	R. L. Polk & Co.
	WURTIMBER ALEX MER H	R. L. Polk & Co.

WALLABOUT ST

374 WALLABOUT ST

Year	Uses	Source
2017	JAVIER LOPEZ	Cole Information Services
	MARIBEL LOPEZ	Cole Information Services
	RUBEN VEGA	Cole Information Services
2014	MARIBEL LOPEZ	Cole Information Services
	RUBEN VEGA	Cole Information Services
2009	CARMEN GALINDO	Cole Information Services
	JAMES GALA	Cole Information Services
	LUIS URRUTIA	Cole Information Services
	REBECCA ROMERO	Cole Information Services
	RUBEN VEGA	Cole Information Services
2005	Galindo Carmen	Hill-Donnelly Corporation
	h Romero Rebecca	Hill-Donnelly Corporation
	Urrutia Luis Felipe	Hill-Donnelly Corporation
2004	CARMEN GALINDO	Cole Information Services
	JOSE ORTIZ	Cole Information Services
	LUIS URRUTIA	Cole Information Services
	LYDIA VEGA	Cole Information Services
	SERAFIN GARCIA	Cole Information Services
2000	APARTMENTS	Cole Information Services
	JUANA ARNAGA	Cole Information Services

FINDINGS

Year	Uses	Source
2000	MARC WENKE	Cole Information Services
	R1 SERAFIN GARCIA	Cole Information Services
	R3 LYDIA VEGA	Cole Information Services
	SERAFIN GARCIA	Cole Information Services
1997	ARRIAGA Juana	NYNEX
	VEGA Lydia	NYNEX
1994	COHETERO, MARIA	Cole Information Services
	HIDALGO, JUAN CARLOS	Cole Information Services
	LOPEZ, ISABEL	Cole Information Services
	VEGA, LYDIA	Cole Information Services
1973	Hazel Albert	New York Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

WALABOAT

281 WALABOAT

Year	Uses	Source
1934	MELNICK ANNA STEN R	R. L. Polk & Co.

WALABONT St

376 WALABONT St

Year	Uses	Source
1965	Hazel Albert	New York Telephone

WALABOUT

283 WALABOUT

Year	Uses	Source
1976	DALGIN IRVING	New York Telephone
	HERTZBERG HARRY	New York Telephone
1960	Canzano Dolores	New York Telephone Company
	Canzano Peter	New York Telephone Company
	Cohen Sam	New York Telephone Company
	Dalgin Irving	New York Telephone Company
	Damasco Domingo	New York Telephone Company
	Fernandez Fernando	New York Telephone Company
	Goldblatt Louis	New York Telephone Company
	Hertzberg Harry	New York Telephone Company
	Kohn G	New York Telephone Company
	Krauss Dora	New York Telephone Company
	Kupersmith Max	New York Telephone Company
	Lee Prince A	New York Telephone Company
	Levy Tillie	New York Telephone Company
	Miller Sydett D	New York Telephone Company

FINDINGS

Year	Uses	Source
1960	Rooz Mor	New York Telephone Company
	CANZANO DOLORES	New York Telephone
	CANZANO PETER	New York Telephone
	COHEN SAM	New York Telephone
	DALGIN IRVING	New York Telephone
	DAMASCO DOMINGO	New York Telephone
	FERNANDEZ FERNANDO	New York Telephone
	GOLDBLATT LOUIS	New York Telephone
	HERTZBERG HARRY	New York Telephone
	KOHN G	New York Telephone
	KRAUSS DORA	New York Telephone
	KUPERSMITH MAX	New York Telephone
	LEE PRINCE A	New York Telephone
	Shaiken Isadore	New York Telephone Company
	MILLER SYDETT D	New York Telephone
	ROOZ MOR	New York Telephone
	SCHOENBLUM NATHAN	New York Telephone
	SHAIKEN ISADORE	New York Telephone
	LEVY TILLIE	New York Telephone
	Schoenblum Nathan	New York Telephone Company
1949	Damasco Irene I	New York Telephone Company
	Goldblatt Louis	New York Telephone Company
	Kasindorf Wm machnst	New York Telephone Company
	Kupersmith Max	New York Telephone Company
	Levy Danl	New York Telephone Company
	Miller Harold D	New York Telephone Company
	Mirsky Saml	New York Telephone Company
1945	Goldblatt Martha	New York Telephone
1940	Geller Abraham	New York Telephone

295 WALABOUT

Year	Uses	Source
1960	Harglass Realty Co	New York Telephone Company

FINDINGS

Year	Uses	Source
1960	HARGLASS REALTY CO	New York Telephone
1949	Robert Glass Co	New York Telephone Company
	Glass Louis P & Bro steel factors	New York Telephone Company
	Glass Chas fctr	New York Telephone Company
1945	Koerners J Sons w agn mfr	New York Telephone

299 WALABOUT

Year	Uses	Source
1949	Corbett Fashions Inc	New York Telephone Company
	R & J Sportw r	New York Telephone Company
	L & K Yarn Winding Co	New York Telephone Company
	Delmonico Glass Pros Corp	New York Telephone Company

301 WALABOUT

Year	Uses	Source
1949	Tarnow sky Bernard	New York Telephone Company
	Cosmata Co cosmtics	New York Telephone Company
1945	Glass Chas fctr	New York Telephone

303 WALABOUT

Year	Uses	Source
1960	Nieves Elsie Mrs	New York Telephone Company
	LOPEZ ADELA MRS	New York Telephone
	Lopez Adela Mrs	New York Telephone Company
	NIEVES ELSIE MRS	New York Telephone

305 WALABOUT

Year	Uses	Source
1960	Outdoor Heat Co	New York Telephone Company
	Rothstein Harry M scrap metl	New York Telephone Company
	Atlas Metal Co	New York Telephone Company
	ROTHSTEIN HARRY M SCRAP METL	New York Telephone
	OUTDOOR HEAT CO	New York Telephone
	ATLAS METAL CO	New York Telephone
1949	D & H Venetian Blind Laundry Inc	New York Telephone Company

FINDINGS

366 WALABOUT

Year	Uses	Source
1928	MAMBER & PEPPER PLTRY	New York Telephone

372 WALABOUT

Year	Uses	Source
1985	MC BRIDE LARRY	NYNEX Information Resources Company
	MCBRIDE LOVIE	NYNEX Information Resources Company
1976	POSOFSKY SAM & SON PLMBG & HEATG	New York Telephone
	MCBRIDE EMMA	New York Telephone
	MCBRIDE LOVIE	New York Telephone
1960	Williams Pearl	New York Telephone Company
	WILLIAMS PEARL	New York Telephone
	Jackson Eirvln	New York Telephone Company
	Mc Bride Lovie	New York Telephone Company
	Posofsky Sam plmbg heatg	New York Telephone Company
	JACKSON EIRVLN	New York Telephone
	MCBRIDE LOVIE	New York Telephone
	POSOFSKY SAM PLMBG HEATG	New York Telephone
1949	Posofsky Sam plmbg heatg	New York Telephone Company
1945	Posofsky Sam plmbg heatg	New York Telephone
1940	Posofsky Sam plmbg heatg	New York Telephone

376 WALABOUT

Year	Uses	Source
1960	Hazel Albert	New York Telephone Company
	Graves Morton J	New York Telephone Company
	HAZEL ALBERT	New York Telephone
	GRAVES MORTON J	New York Telephone

378 WALABOUT

Year	Uses	Source
1960	FUCHS GLASS & MIRROR WKS	New York Telephone
	Fuchs Glass & Mirror Wks	New York Telephone Company

FINDINGS

382 WALABOUT

Year	Uses	Source
1960	COLON BENJ	New York Telephone
	Colon Benj	New York Telephone Company

384 WALABOUT

Year	Uses	Source
1960	LISS JOE	New York Telephone
	Liss Joe	New York Telephone Company
	Liss Chas	New York Telephone Company
	LISS CHAS	New York Telephone
1949	Liss Joe	New York Telephone Company
	Liss Chas	New York Telephone Company
1945	Liss Joe	New York Telephone
	Liss Chas	New York Telephone
1940	Liss Joe	New York Telephone
	Liss Chas	New York Telephone

386 WALABOUT

Year	Uses	Source
1960	Rodrigues Elisio	New York Telephone Company
	RODRIGUES ELISIO	New York Telephone

388 WALABOUT

Year	Uses	Source
1960	BAUER JOS CO GENL CONTRS	New York Telephone
1934	BAUER ADAM J H	R. L. Polk & Co.

392 WALABOUT

Year	Uses	Source
1945	Montalbano M	New York Telephone

WALABOUT st

283 WALABOUT st

Year	Uses	Source
1973	Kupersmith Max	New York Telephone

FINDINGS

Year	Uses	Source
1970	Dalgin Irving	New York Telephone
	Hertzberg Harry	New York Telephone
	Kupersmith Max	New York Telephone
	Yat Wah M	New York Telephone

WALABOUT St

283 WALABOUT St

Year	Uses	Source
1965	Aponte Isidoro	New York Telephone
	Ruiz Monserrate	New York Telephone
	Canzano Peter	New York Telephone
	Dalgin Irving	New York Telephone
	Duran Victor	New York Telephone
	Fernandez Fernando	New York Telephone
	Fret Pablo	New York Telephone
	Hertzberg Harry	New York Telephone
	Kohn G	New York Telephone
	Krauss Dora	New York Telephone
	Kupersmith Max	New York Telephone
	Lee Prince A	New York Telephone
	Mikias Jean	New York Telephone
	Rooz Mor	New York Telephone
	Canzano Dolores	New York Telephone

WALABOUT st

305 WALABOUT st

Year	Uses	Source
1970	Rothstein Harry M scrap mtl	New York Telephone
	Atlas Metal Co	New York Telephone

FINDINGS

WALABOUT St

305 WALABOUT St

Year	Uses	Source
1965	Rothstein Harry M scrap metl	New York Telephone
	Atlas Metal Co	New York Telephone

WALABOUT st

366 WALABOUT st

Year	Uses	Source
1973	Quong Saig Poultry Inc	New York Telephone
	Wallabout St Live Poultry Mkt	New York Telephone
1970	Quong Sang Poultry Inc	New York Telephone
	Wallabout St Live Poultry Mkt	New York Telephone

WALABOUT St

366 WALABOUT St

Year	Uses	Source
1965	Quong Sang Poultry Inc	New York Telephone
	Wallabout St Live Poultry Mkt	New York Telephone

WALABOUT st

372 WALABOUT st

Year	Uses	Source
1973	Mc Bride Lovie	New York Telephone
	Posofsky Sam & Son plmbg & heatg	New York Telephone
1970	Mc Bride Emma	New York Telephone
	Mc Bride Lovie	New York Telephone
	Posofsky Sam & Son plmbg & heatg	New York Telephone
	Williams Pearl	New York Telephone

FINDINGS

WALABOUT St

372 WALABOUT St

Year	*Uses*	*Source*
1965	Williams Pearl	New York Telephone
	Posofsky Sam & Son plmbg & heatg	New York Telephone
	Mc Bride Lovie	New York Telephone
	Jackson Elrvin	New York Telephone

WALABOUT st

376 WALABOUT st

Year	*Uses*	*Source*
1970	Hazel Albert	New York Telephone

378 WALABOUT st

Year	*Uses*	*Source*
1970	Fuchs Glass & Mirror Wks	New York Telephone
	Zavel Art Co Inc	New York Telephone

WALABOUT St

378 WALABOUT St

Year	*Uses*	*Source*
1965	Fuchs Glass & Mirror Wks	New York Telephone
	Zavel Art Co Inc	New York Telephone

WALABOUT st

382 WALABOUT st

Year	*Uses*	*Source*
1970	Nikolski Michl	New York Telephone

WALABOUT St

382 WALABOUT St

Year	*Uses*	*Source*
1965	Rosa Antonio	New York Telephone

Year	Uses	Source
1965	Nikolski Michl	New York Telephone

WALABOUT st

386 WALABOUT st

Year	Uses	Source
1973	Martinez Nigdalia	New York Telephone

WALABOUT St

386 WALABOUT St

Year	Uses	Source
1965	Martinez Nigdalia	New York Telephone
	Ramos Rafaela	New York Telephone

WALAHOUT st

372 WALAHOUT st

Year	Uses	Source
1973	Mc Bride Emma	New York Telephone

WALIABOUT

281 WALIABOUT

Year	Uses	Source
1934	MELNICK JOHN DRIVER R	R. L. Polk & Co.

WALLABOAT

372 WALLABOAT

Year	Uses	Source
1934	RIFKIN MORRIS	R. L. Polk & Co.

WALLABOOT

283 WALLABOOT

Year	Uses	Source
1934	EDELSTEIN HARRY RADIO REPR R	R. L. Polk & Co.

FINDINGS

WALLABOUT

277 WALLABOUT

Year	Uses	Source
1934	COSCHMAN BERTHA INDRS R	R. L. Polk & Co.
	COSCHMAN EMMA INDRS R	R. L. Polk & Co.
	SMITH ANNA MRS H	R. L. Polk & Co.
	HUTCHISON JOS ELEV OPR R	R. L. Polk & Co.
	MABREY EDW LAB H	R. L. Polk & Co.
	HUTCHISON CORINNE H	R. L. Polk & Co.

281 WALLABOUT

Year	Uses	Source
1934	H	R. L. Polk & Co.
	MARQUISE HARRY CLK BKN COLLEGE H	R. L. Polk & Co.
	MELNICK ROMAN WASHER H	R. L. Polk & Co.

283 WALLABOUT

Year	Uses	Source
1976	AROCHO WILFREDO	New York Telephone
	DE VICTORIA MONSERRATE	New York Telephone
	HERNANDEZ ANGEL	New York Telephone
	MARTINEZ JUAN	New York Telephone
	MORALES SIXTA	New York Telephone
	RODRIGUEZ L	New York Telephone
1934	BOROWSKY DORA MRS H	R. L. Polk & Co.
	BOROWSKY ESTHER R	R. L. Polk & Co.
	BOROWSKY GUSSIE R	R. L. Polk & Co.
	BOROWSKY HATTIE R	R. L. Polk & Co.
	BOROWSKY JOS CLK PO R	R. L. Polk & Co.
	BOROWSKY MIRIAM STEN R	R. L. Polk & Co.
	DANNENBERG NATHAN H	R. L. Polk & Co.
	DOLGIN IRVING PRINTER H	R. L. Polk & Co.
	DOLGIN SAML HLPR R	R. L. Polk & Co.
	EDELSTEIN CLARA H	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	FEIG ISIDORE SLSMN R	R. L. Polk & Co.
	FEIG LOUIS H	R. L. Polk & Co.
	FEIG SAML CLK R	R. L. Polk & Co.
	GOLDBLATT LOUIS DRSMKR H	R. L. Polk & Co.
	GREEN JULIUS HAT BLOCKER R	R. L. Polk & Co.
	GREEN KALMAN H	R. L. Polk & Co.
	GREEN LOUIS R	R. L. Polk & Co.
	GREEN MAX PLSTR H	R. L. Polk & Co.
	H S & S R CO INC M HAUSNER PRES M FLEGIE V-PRES H HOFFMAN SEC H RESNICK TRE	R. L. Polk & Co.
	HOFFMAN H SEC HS&R COLNE	R. L. Polk & Co.
	LIEBOWITZ MORRIS M MECH H	R. L. Polk & Co.
	MARCUSE HARRY H	R. L. Polk & Co.
	MIASKY DORA R	R. L. Polk & Co.
	MIRSKY SAML CTR H	R. L. Polk & Co.
	RUGENSTEIN MORRIS SLSMN R	R. L. Polk & Co.
	SHEIMAN BETTY BKPR R	R. L. Polk & Co.
	SHEIMAN CHAS CLK R	R. L. Polk & Co.
	SHEIMAN MAX BAKER H	R. L. Polk & Co.
	SUNGARTEN ABR BAKER H	R. L. Polk & Co.
	WACHS HARRY FURRIER H	R. L. Polk & Co.
	ZUCKER ANNE H	R. L. Polk & Co.
	ZUCKER CELIA MACH OPR R	R. L. Polk & Co.

289 WALLABOUT

Year	Uses	Source
1934	BAUER JACK R	R. L. Polk & Co.
	BAUER CHAS JR FNSHR R	R. L. Polk & Co.
	BAUER CHAS FNSHR H	R. L. Polk & Co.

291 WALLABOUT

Year	Uses	Source
1934	KOERNER JOHN PRES J KOERNTER S SONS INC	R. L. Polk & Co.

FINDINGS

295 WALLABOUT

Year	*Uses*	*Source*
1976	ELITE PACKAGING CORP	New York Telephone
	ULTRA-FLEX PACKAGING CORP	New York Telephone
1934	CALLAHAN MARTIN LAB H	R. L. Polk & Co.
	PREDUN THOS OPR H	R. L. Polk & Co.
	ZATZEW FRANK FNSHR H	R. L. Polk & Co.
	SEGANOVICH JOHN LAB R	R. L. Polk & Co.

297 WALLABOUT

Year	*Uses*	*Source*
1934	KATZ JACOB BAKER H	R. L. Polk & Co.
	HARRY LAB H	R. L. Polk & Co.
	MIRKALVSON SAML OPR H	R. L. Polk & Co.
	VICTOR IRONWKR H	R. L. Polk & Co.
	TINTWEISS R	R. L. Polk & Co.
	WISHNIFSKY JOE H	R. L. Polk & Co.

299 WALLABOUT

Year	*Uses*	*Source*
1934	DEMBOWITZ ISIDOR	R. L. Polk & Co.
	WALLABONT CLOTHING CO INC JACOB RUBIN PRES EFIM VOLINETZ SEC JACOB BOLOFSKY	R. L. Polk & Co.
	LAUTERSTEIN HARRY DRESS CONTR	R. L. Polk & Co.
	BOLOFSKY JACOB TREAS WALLABOUT CLOTHING CO INC	R. L. Polk & Co.

301 WALLABOUT

Year	*Uses*	*Source*
1934	BEEMAN WM LAB R	R. L. Polk & Co.
	PURITAN LIGHTING FIXTURE CO	R. L. Polk & Co.
	POLLACK JOS OPR R	R. L. Polk & Co.
	BERNSTEIN MOSES SLSMN R	R. L. Polk & Co.
	BERNSTEIN MOLLIE H	R. L. Polk & Co.
	BERNSTEIN JOS SLSMN R	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	ALDERMAN ISIDOR SLSMN R	R. L. Polk & Co.
	ALDERMAN ANNA H	R. L. Polk & Co.

303 WALLABOUT

Year	Uses	Source
1934	ZACKHEIM MORRIS JWLR H	R. L. Polk & Co.
	SLOTNICK MORRIS LAB H	R. L. Polk & Co.
	SANCIMINO SALVATORE JR CLK R	R. L. Polk & Co.
	SANCIMINO SALVATORE LAB H	R. L. Polk & Co.
	BECKER HARRY W BAKER H	R. L. Polk & Co.
	BECKER SADIE TCHR R	R. L. Polk & Co.
	OGDEN ALBERT H	R. L. Polk & Co.

366 WALLABOUT

Year	Uses	Source
1992	THREE SIX SIX INC	NYNEX Informantion Resource Co.
1985	WALLABOUT POULTRY	NYNEX Information Resources Company
1980	WALLABOUT POULTRY INC	New York Telephone
1976	WALLABOUT POULTRY INC	New York Telephone
1934	KROW RALPH POULTRY	R. L. Polk & Co.
	WALLABONT STREET LIVE POULTRY MARKET	R. L. Polk & Co.

368 WALLABOUT

Year	Uses	Source
1934	ROSENWASSER ESTHER STEN HEALTH DEPT R	R. L. Polk & Co.
	ROSENWASSER MORRIS BLKSMITH H	R. L. Polk & Co.
	ROSS ESTHER BKPR R	R. L. Polk & Co.

370 WALLABOUT

Year	Uses	Source
1934	BLAKE ROSE DOM R REAR	R. L. Polk & Co.
	COAKLEY SARAH DOM H	R. L. Polk & Co.
	KESSOEK HERMAN TCHR R	R. L. Polk & Co.
	KESSOEK LENA H	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	LEONARD DOMINICK LAB H	R. L. Polk & Co.
	POMERANTZ ABR STOCK CLK R	R. L. Polk & Co.
	ROGOZIN ESTHER R REAT	R. L. Polk & Co.
	ROGOZIN SAML CLK H REAR	R. L. Polk & Co.
	SERVANCO POMPEY LAB R REAR	R. L. Polk & Co.

372 WALLABOUT

Year	Uses	Source
1992	ROSADO S	NYNEX Informantion Resource Co.
1976	HOLLIS REBECCA	New York Telephone
1934	SCHLESINGER ANNA H	R. L. Polk & Co.
	POSOFSKY SAML PLMBR	R. L. Polk & Co.
	AUERBACH SIGMUND H	R. L. Polk & Co.
	SOKOL R	R. L. Polk & Co.

376 WALLABOUT

Year	Uses	Source
1934	PASELLA ANTHONY JR LAB R	R. L. Polk & Co.
	PASELLA ANTHONY LAB H	R. L. Polk & Co.
	GEIER EDW SHIP CLK R	R. L. Polk & Co.
	FERRARO JOS R	R. L. Polk & Co.
	FERRARO OPR	R. L. Polk & Co.
	BRUNO ANTHONY H	R. L. Polk & Co.

382 WALLABOUT

Year	Uses	Source
1934	MOSCATO ANTHONY LAB	R. L. Polk & Co.
	KLEIN JOHN SLSMN H	R. L. Polk & Co.
	KAMINSKY WM ICE MKR H	R. L. Polk & Co.
	BUSHER CELIA OPR H REAR	R. L. Polk & Co.
	BISHOP H	R. L. Polk & Co.
	GEISLER GEO CLK R	R. L. Polk & Co.

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384 WALLABOUT

Year	*Uses*	*Source*
1934	LISS IDA CLK R	R. L. Polk & Co.
	LISS JACK PDLR R	R. L. Polk & Co.
	LISS LENA CASH R	R. L. Polk & Co.

386 WALLABOUT

Year	*Uses*	*Source*
1934	FIESTONE GRAMPORT H	R. L. Polk & Co.
	KAPLAN JULIUS PDLR H	R. L. Polk & Co.

388 WALLABOUT

Year	*Uses*	*Source*
1934	SEERY CATH R	R. L. Polk & Co.
	BAUER JOS C CONTRS	R. L. Polk & Co.
	BAUER KATH R	R. L. Polk & Co.
	BAUER ABBIE M R	R. L. Polk & Co.

390 WALLABOUT

Year	*Uses*	*Source*
1934	TESAURO PAUL PLMBR H	R. L. Polk & Co.
	GROSS NATHAN PRSMN H	R. L. Polk & Co.

392 WALLABOUT

Year	*Uses*	*Source*
1934	FONTANA THERESA OPR R	R. L. Polk & Co.
	FONTANA SALVATORE LAB H	R. L. Polk & Co.
	FONTANA NICHOLAS STUDENT R	R. L. Polk & Co.
	FONTANA JULIA OPR R	R. L. Polk & Co.
	FONTANA LOUIS MUSICIAN R	R. L. Polk & Co.

WALLABOUT AVE

283 WALLABOUT AVE

Year	*Uses*	*Source*
1934	EDELSTEIN ANNA CLK R	R. L. Polk & Co.

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WALLABOUT ST

281 WALLABOUT ST

Year	Uses	Source
2014	HUDL LOVINGER	Cole Information Services

283 WALLABOUT ST

Year	Uses	Source
1973	Balseca Jose	New York Telephone
	Colon Iris	New York Telephone
	Legra Panfilo C	New York Telephone
	Ramos Carmen	New York Telephone
1970	Viera Louis	New York Telephone
1949	Bill Kay Metal Prods	New York Telephone Company
1945	Budner David	New York Telephone
1940	Budner David	New York Telephone

285 WALLABOUT ST

Year	Uses	Source
2017	DAVID ROSENZWEIG	Cole Information Services
	JOSEPH SIMKOWITZ	Cole Information Services
	MEYER SINAY	Cole Information Services
	BERNARD HOCH	Cole Information Services
	WALLABOUT HARRISON CONDO	Cole Information Services
	GITTI KOHN	Cole Information Services
	JOEL BRULL	Cole Information Services
	BRANE GRUNBLATT	Cole Information Services
	MEYER KOTH	Cole Information Services
	SHULOM SINGER	Cole Information Services
2014	SIMON TEITELBAUM	Cole Information Services
	ISRAEL BLUM	Cole Information Services
	JOSEPH SIMKOWITZ	Cole Information Services
	GABRIEL WEISZ	Cole Information Services
	CHAIM WEISS	Cole Information Services
	JOEL BRULL	Cole Information Services

FINDINGS

Year	Uses	Source
2014	BRANE GRUNBLATT	Cole Information Services
	RAIZY BODEK	Cole Information Services
	BERNARD HOCH	Cole Information Services
2009	MORDECAI BAIS	Cole Information Services
	JOEL BRAUN	Cole Information Services
	SHMUEL GRUNBLATT	Cole Information Services
	JAKUBOWITZ ELIAH	Cole Information Services
	MEYER KOTH	Cole Information Services
	CHAIM WEISS	Cole Information Services
	WEISS WERNICE	Cole Information Services
	AARON HOLLANDER	Cole Information Services
	JOSEPH SIMKOWITZ	Cole Information Services
	BERNARD HOCH	Cole Information Services
	KOTH MEYER	Cole Information Services
2005	Number4 E Hoch Bernard	Hill-Donnelly Corporation
	Number00002 H Hollender A	Hill-Donnelly Corporation
	Number3 E Joseph Abraham	Hill-Donnelly Corporation
	Number3 F Koth Hershy	Hill-Donnelly Corporation
	Number2 F Slmkow itz Joseph	Hill-Donnelly Corporation
	Walter Martin	Hill-Donnelly Corporation
	H Walter Martin	Hill-Donnelly Corporation
	Number4 F Gnrnblatt Shmuel	Hill-Donnelly Corporation
	Multi Unit Address	Hill-Donnelly Corporation
	Blum Israel	Hill-Donnelly Corporation
	Number2 E H Bodek M	Hill-Donnelly Corporation
2004	SHMUEL GRUNBLATT	Cole Information Services
	DAVID FRIEDMAN	Cole Information Services
	CHAIM WEISS	Cole Information Services
	MARTIN WALTER	Cole Information Services
	WEISS WERNICE	Cole Information Services
	MORDECAI BAIS	Cole Information Services
	AARON HOLLANDER	Cole Information Services

FINDINGS

Year	Uses	Source
2004	ISRAEL BLUM	Cole Information Services
	JOSEPH SIMKOWITZ	Cole Information Services
	BERNARD HOCH	Cole Information Services
	KOTH MEYER	Cole Information Services
	BODEK MENDEL	Cole Information Services

287 WALLABOUT ST

Year	Uses	Source
2017	MIRIAN FRIEDMAN	Cole Information Services
	SHIMSHON FISHER	Cole Information Services
	HERSHEL BABAD	Cole Information Services
	BEILA KAUFMAN	Cole Information Services
	JACOB BERGER	Cole Information Services
	JOEL STRAUS	Cole Information Services
	SARAH MAYER	Cole Information Services
	JOEL ZWIEBEL	Cole Information Services
	MALKA KRITZLER	Cole Information Services
2014	JOEL ILIOVITS	Cole Information Services
	JOEL ZWIEBEL	Cole Information Services
	MIRIAN FRIEDMAN	Cole Information Services
	ABRAHAM SPITZER	Cole Information Services
	JOEL STRAUS	Cole Information Services
	SARAH MAYER	Cole Information Services
	JACOB BERGER	Cole Information Services
	ELIAH JAKUBOWITZ	Cole Information Services
	BEILA KAUFMAN	Cole Information Services
	S MORRIS	Cole Information Services
	JOEL ABELESZ	Cole Information Services
	HERSHEL BABAD	Cole Information Services
	SHIMSHON FISHER	Cole Information Services
2009	SERVICE PROFESSIONAL SHUTTLE	Cole Information Services
	JOSEPH IEZKOWISC	Cole Information Services
	YOEL KAUFMAN	Cole Information Services

FINDINGS

Year	*Uses*	*Source*
2009	ELIAH JAKUBOWICZ	Cole Information Services
	SARAH MAYER	Cole Information Services
	CHESKEL FRIEDMAN	Cole Information Services
	CHAIM STEINBERG	Cole Information Services
	MOSES LEBOVITZ	Cole Information Services
	MEYER SCHWARTZ	Cole Information Services
	CHAIM BUCHINGER	Cole Information Services
	S MORRIS	Cole Information Services
	ABRAHAM STRULOWITZ	Cole Information Services
	FAIGY JAKUBOWITZ	Cole Information Services
	SHIMSHON FISHER	Cole Information Services
	GUAZAR BNEI	Cole Information Services
	JOEL ABELESZ	Cole Information Services
2005	Adler M	Hill-Donnelly Corporation
	Abelesz Joel	Hill-Donnelly Corporation
	Fisher Shlmshon	Hill-Donnelly Corporation
	H Jakubow ltz Faigy	Hill-Donnelly Corporation
	Kaufman Yoel	Hill-Donnelly Corporation
	Kaufnan Yoel	Hill-Donnelly Corporation
	h Lebovits Brenda	Hill-Donnelly Corporation
	Lebovitz Moses Rabb	Hill-Donnelly Corporation
	Number29 HMayer S C	Hill-Donnelly Corporation
	Number1 G Steinberg Chaim	Hill-Donnelly Corporation
	BuchInger Chiam	Hill-Donnelly Corporation
	Multi Unit Address	Hill-Donnelly Corporation
2004	SARAH STEIN	Cole Information Services
	FAIGY JAKUBOWITZ	Cole Information Services
	SHIMSHON FISHER	Cole Information Services
	GUAZAR BNEI	Cole Information Services
	YNL JEWELS INC	Cole Information Services
	HUDL LOVINGER	Cole Information Services
	JOSEPH IEZKOWISC	Cole Information Services

Year	Uses	Source
2004	YOEL KAUFMAN	Cole Information Services
	S MARRIS	Cole Information Services
	SARAH MAYER	Cole Information Services
	CHAIM STEINBERG	Cole Information Services
	ABRAHAM STRULOWITZ	Cole Information Services
	MOSES LEBOVITZ	Cole Information Services
	CHAIM BUCHINGER	Cole Information Services
	SCHWIMMER LILLIAM	Cole Information Services
	BENJAMIN STEIN	Cole Information Services
	JOEL WEISS	Cole Information Services
1997	Sher Del Transfer And Relocation Services	NYNEX
1973	Able Shoring Co Inc	New York Telephone

289 WALLABOUT ST

Year	Uses	Source
2009	NECHEMIYA WEISZ	Cole Information Services
2005	No Current Listing	Hill-Donnelly Corporation
2004	WEISZ NECHEMIYA	Cole Information Services
1970	Bauer William	New York Telephone

291 WALLABOUT ST

Year	Uses	Source
2017	AZ PLASTIC	Cole Information Services
2014	A Z PLASTIC	Cole Information Services
2004	STONE AGE PRODUCTIONS	Cole Information Services
1940	Koerners J Sons w agon mfr	New York Telephone

295 WALLABOUT ST

Year	Uses	Source
2017	LOCKSMITH & LOCKS	Cole Information Services
2014	FLOWER POT FLORIST	Cole Information Services
	LOCKSMITH & LOCKS	Cole Information Services
2009	FLOWER POT FLORIST	Cole Information Services
	M & M JEWELRY	Cole Information Services

Year	Uses	Source
2005	Freds Organic Foods	Hill-Donnelly Corporation
	V M Foreign Trade	Hill-Donnelly Corporation
2004	OCCUPANT UNKNOWN	Cole Information Services
	TATRA SHEEP CHEESE	Cole Information Services
2000	TATRA SHP CHES CO	Cole Information Services
1999	TATRA SHEEP CHEESE COMPANY INCORPORATED	Cole Information Services
1997	Tatra Sheep Cheese Co Inc	NYNEX
1994	TATRA SHEEP CHEESE CO INC	Cole Information Services

303 WALLABOUT ST

Year	Uses	Source
1973	Rycap Cello Mfg Corp	New York Telephone
1970	Rycap Cello Mfg Corp	New York Telephone
1945	Zackheim Morris jw lry boxes	New York Telephone
1940	Zackheim Morris jw lry boxes	New York Telephone

305 WALLABOUT ST

Year	Uses	Source
2017	A G M DECO INC	Cole Information Services
2009	AGM DECOR INC	Cole Information Services
	A G M DEMO INC	Cole Information Services

307 WALLABOUT ST

Year	Uses	Source
2004	FUNG CHA	Cole Information Services
	GOLDEN CITY ENTERPRISE	Cole Information Services
1999	GOLDEN CITY ENTERPRISE INCORPORATED	Cole Information Services

366 WALLABOUT ST

Year	Uses	Source
2009	THREE SIX SIX INC	Cole Information Services
	WALLABOUT POULTRY	Cole Information Services
2005	Three Six Six Inc	Hill-Donnelly Corporation
	Wallabout Poultry	Hill-Donnelly Corporation

Year	Uses	Source
2004	THREE SIX SIX INC	Cole Information Services
2000	THREE SIX SIX INC	Cole Information Services
1999	THREE SIX SIX INCORPORATED	Cole Information Services
1994	THREE SIX SIX INC	Cole Information Services
1945	Wallabout St Live Poultry Market	New York Telephone
1940	Wallabout St Live Poultry Market	New York Telephone

372 WALLABOUT ST

Year	Uses	Source
2017	FAIGY TEITELBAUM	Cole Information Services
	ESTHER INDIG	Cole Information Services
	JOSEPH SCHWIMMER	Cole Information Services
2014	LIZ LOWY	Cole Information Services
	JERRY RUIZ	Cole Information Services
	JOSEPH SCHWIMMER	Cole Information Services
	YOEL INDIG	Cole Information Services
	FAIGY TEITELBAUM	Cole Information Services
2009	LIZ LOWY	Cole Information Services
	GINA LEBOWITZ	Cole Information Services
	JOSEPH SCHWIMMER	Cole Information Services
	ZALMEN LEITNER	Cole Information Services
	YOEL INDIG	Cole Information Services
2005	Lowy Uz	Hill-Donnelly Corporation
	Lebowitz Gina	Hill-Donnelly Corporation
	Deutsch Esther	Hill-Donnelly Corporation
	Dersnhowitz Shifra	Hill-Donnelly Corporation
2004	GINA LEBOWITZ	Cole Information Services
	RICKY EANS	Cole Information Services
	CHAIM EINHORN	Cole Information Services
	ABRAHAM WEISS	Cole Information Services
	ENA RAMIREZ	Cole Information Services
	BERNARDO VELAZQUEZ	Cole Information Services
	PATRICK CURTIS	Cole Information Services

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Year	Uses	Source
2004	JERRY RUIZ	Cole Information Services
	LIZ LOWY	Cole Information Services
2000	ADALBERTO ROSARIO	Cole Information Services
	RICKY EANS	Cole Information Services
	PATRICK CURTIS	Cole Information Services
	OREL BOBB	Cole Information Services
1997	CRESPO Ramon	NYNEX
	ROSARIO Adalberto	NYNEX
1994	ROSARIO, ADALBERTO	Cole Information Services
1973	Hollis Rebecca	New York Telephone

380 WALLABOUT ST

Year	Uses	Source
2017	YOEL FRIEDMAN	Cole Information Services
	ALEXANDER WALDMAN	Cole Information Services
	MENASHE ROSENBERG	Cole Information Services
	WALLABOUT PROPERTIES LLC	Cole Information Services
	BERISH LEFKOWITZ	Cole Information Services

386 WALLABOUT ST

Year	Uses	Source
2017	ISSAC SCHWARTZ	Cole Information Services
	MAYER BLUMENFELD	Cole Information Services
	RAIZY BODEK	Cole Information Services
2009	ANO SEGAL	Cole Information Services
2004	ANO SEGAL	Cole Information Services

388 WALLABOUT ST

Year	Uses	Source
2017	MOSES KLEIN	Cole Information Services
	JACOB KARPEN	Cole Information Services
2014	SHLOMA KARPEN	Cole Information Services
1940	Bauer Jos Co genl contrs	New York Telephone

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390 WALLABOUT ST

Year	*Uses*	*Source*
1997	F & M Auto Service Center	NYNEX

WALLABUT

299 WALLABUT

Year	*Uses*	*Source*
1934	DEMBOWITZ ABR	R. L. Polk & Co.

WALLAHOAT

283 WALLAHOAT

Year	*Uses*	*Source*
1934	GELLER ABR PNTR H	R. L. Polk & Co.

WALLAHOUT

283 WALLAHOUT

Year	*Uses*	*Source*
1934	DEUTSCH BENJ ROOFER	R. L. Polk & Co.
	FLEIGIE M V-PRES HS & SR CO INC	R. L. Polk & Co.

WALLBOUT

370 WALLBOUT

Year	*Uses*	*Source*
1934	POMERANTZ ABR CONFR H DO	R. L. Polk & Co.

384 WALLBOUT

Year	*Uses*	*Source*
1934	LISS CHAS LAWYER R1803	R. L. Polk & Co.

WALLBOUT 2ND FL

299 WALLBOUT 2ND FL

Year	*Uses*	*Source*
1934	MILNOR COAT MFG CO	R. L. Polk & Co.

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WOLLABOUT

366 WOLLABOUT

Year	*Uses*	*Source*
1997	Three Six Six Inc	NYNEX

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ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
277 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
281 WALABOAT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
281 WALIABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
281 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
281 WALLABOUT ST	2017, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
283 WALABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1973, 1970, 1965, 1934, 1928
283 WALABOUT St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
283 WALABOUT st	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1965, 1960, 1949, 1945, 1940, 1934, 1928
283 WALLABOOT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
283 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
283 WALLABOUT AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
283 WALLABOUT ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1965, 1960, 1934, 1928
283 WALLAHOAT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
283 WALLAHOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
285 WALLABOUT ST	2017, 2014, 2009, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
285 WALLABOUT ST	2005, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
287 WALLABOUT ST	2005, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
287 WALLABOUT ST	2017, 2014, 2009, 2004, 2000, 1999, 1994, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
289 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928

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Address Researched	Address Not Identified in Research Source
289 WALLABOUT ST	2017, 2014, 2009, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
289 WALLABOUT ST	2017, 2014, 2005, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
291 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
291 WALLABOUT ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1934, 1928
291 WALLABOUT ST	2009, 2005, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
295 WALABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1940, 1934, 1928
295 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
295 WALLABOUT ST	2017, 2014, 2009, 2004, 1999, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
295 WALLABOUT ST	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
297 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
299 WALABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1945, 1940, 1934, 1928
299 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
299 WALLABUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
299 WALLBOUT 2ND FL	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
301 WALABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1940, 1934, 1928
301 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
303 WALABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
303 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
303 WALLABOUT ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1965, 1960, 1949, 1934, 1928
305 WALABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1945, 1940, 1934, 1928
305 WALABOUT St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
305 WALABOUT st	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928

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Address Researched	Address Not Identified in Research Source
305 WALLABOUT ST	2014, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
307 WALLABOUT ST	2017, 2014, 2009, 2005, 2000, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
366 WALABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
366 WALABOUT St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
366 WALABOUT st	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1965, 1960, 1949, 1945, 1940, 1934, 1928
366 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
366 WALLABOUT ST	2017, 2014, 2009, 2004, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1934, 1928
366 WALLABOUT ST	2017, 2014, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
366 WOLLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
368 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
370 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
370 WALLBOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
372 WALABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1980, 1973, 1970, 1965, 1934, 1928
372 WALABOUT St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
372 WALABOUT st	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1965, 1960, 1949, 1945, 1940, 1934, 1928
372 WALAHOUT st	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
372 WALLABOAT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
372 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1985, 1980, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
372 WALLABOUT ST	2017, 2014, 2009, 2004, 1999, 1994, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
372 WALLABOUT ST	2005, 2000, 1999, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
376 WALABONT St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
376 WALABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928

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Address Researched	Address Not Identified in Research Source
376 WALABOUT st	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
376 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
378 WALABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
378 WALABOUT St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
378 WALABOUT st	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
380 WALLABOUT ST	2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
382 WALABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
382 WALABOUT St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
382 WALABOUT st	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1965, 1960, 1949, 1945, 1940, 1934, 1928
382 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
384 WALABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1934, 1928
384 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
384 WALLBOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
386 WALABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1934, 1928
386 WALABOUT St	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1960, 1949, 1945, 1940, 1934, 1928
386 WALABOUT st	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
386 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
386 WALLABOUT ST	2014, 2005, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
388 WALABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1928
388 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
388 WALLABOUT ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1934, 1928
388 WALLABOUT ST	2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
390 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
390 WALLABOUT ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
392 WALABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1940, 1934, 1928
392 WALLABOUT	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1997, 1994, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
374 Wallabout Street	1999, 1985, 1949, 1945, 1940, 1928

APPENDIX C
Regulatory Records Documentation

374 Wallabout Street
374 Wallabout Street
Brooklyn, NY 11206

Inquiry Number: 07004235.2r
June 02, 2022

EDR Summary Radius Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
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Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

374 WALLABOUT STREET
BROOKLYN, NY 11206

COORDINATES

Latitude (North):	40.7018130 - 40ˆ 42' 6.52''
Longitude (West):	73.9479390 - 73ˆ 56' 52.58''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	588880.6
UTM Y (Meters):	4505977.0
Elevation:	13 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	TP
Source:	U.S. Geological Survey

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150522
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
374 WALLABOUT STREET
BROOKLYN, NY 11206

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	WALLABOUT BUILDINGS	376-382 WALLABOUT ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	9, 0.002, NNE
A2	LOT 14,TAXBLOCK 2266	376 WALLABOUT STREET	NY E DESIGNATION	Higher	9, 0.002, NNE
A3	376-382 WALLABOUT ST	376 WALLABOUT STREET	NY VCP	Higher	9, 0.002, NNE
A4	CON EDISON SERVICE B	372 WALLABOUT ST	RCRA NonGen / NLR, NY MANIFEST	Higher	11, 0.002, West
A5	LOT 15,TAXBLOCK 2266	378 WALLABOUT STREET	NY E DESIGNATION	Higher	34, 0.006, NNE
A6	CON EDISON MANHOLE:	378 WALLABOUT ST	RCRA NonGen / NLR, NY MANIFEST	Higher	34, 0.006, NNE
A7	LOT 49,TAXBLOCK 2266	GERRY STREET	NY E DESIGNATION	Higher	57, 0.011, ESE
A8	LOT 16,TAXBLOCK 2266	380 WALLABOUT STREET	NY E DESIGNATION	Higher	60, 0.011, NE
A9	PFIZER INC/GERRY ST	PFIZER INC/GERRY ST	NY LTANKS	Higher	66, 0.013, SE
A10	SERVICE BOX # 7967	285 WALLABOUT ST	NY Spills	Higher	80, 0.015, NW
A11	CON EDISON SERVICE B	366 WALLABOUT ST	RCRA NonGen / NLR, NY MANIFEST	Higher	80, 0.015, WSW
A12	LOT 9,TAXBLOCK 2266	366 WALLABOUT STREET	NY E DESIGNATION	Higher	80, 0.015, WSW
A13	"SITE B" PFIZER	59-71 GERRY STREET A	NY BROWNFIELDS	Higher	84, 0.016, SE
A14	PFIZER SITES B AND D	59-71 GERRY ST. AND	NY ENG CONTROLS, NY INST CONTROL, NY VCP	Higher	84, 0.016, SE
A15	LOT 17,TAXBLOCK 2266	382 WALLABOUT STREET	NY E DESIGNATION	Higher	84, 0.016, NE
A16	LOT 48,TAXBLOCK 2250	289 WALLABOUT STREET	NY E DESIGNATION	Higher	94, 0.018, NW
A17	LOT 46,TAXBLOCK 2250	291 WALLABOUT STREET	NY E DESIGNATION	Higher	97, 0.018, NNW
A18	LOT 1,TAXBLOCK 2266	HARRISON AVENUE	NY E DESIGNATION	Higher	102, 0.019, SSW
A19	LOT 18,TAXBLOCK 2266	384 WALLABOUT STREET	NY E DESIGNATION	Higher	109, 0.021, NE
A20	VENT PIPE	63 GREY ROAD	NY Spills	Higher	115, 0.022, SE
A21	386-388 WALLABOUT ST	386 WALLABOUT STREET	NY VCP	Higher	134, 0.025, NE
A22	LOT 19,TAXBLOCK 2266	386 WALLABOUT STREET	NY E DESIGNATION	Higher	134, 0.025, NE
A23	PFIZER INC BROOKLYN	73 GERRY ST	RCRA-VSQG, FINDS, ECHO, NY MANIFEST	Higher	138, 0.026, East
A24	EMPTY LOT	73-87 GERRY STREET	NY Spills	Higher	138, 0.026, East
A25	LOT 45,TAXBLOCK 2250	WALLABOUT STREET	NY E DESIGNATION	Higher	140, 0.027, North
A26	LOT 45,TAXBLOCK 2266	GERRY STREET	NY E DESIGNATION	Higher	143, 0.027, East
A27	297 WALLABOUT STREET	295-297 WALLABOUT ST	NY BROWNFIELDS	Higher	146, 0.028, North
A28	CON EDISON	295 WALLABOUT ST	NY MANIFEST	Higher	146, 0.028, North
A29	295 W HOLDINGS LLC	295-297 WALLABOUT ST	RCRA NonGen / NLR	Higher	146, 0.028, North
A30	297 WALLABOUT STREET	295-297 WALLABOUT ST	NY BROWNFIELDS	Higher	146, 0.028, North
A31	297 WALLABOUT STREET	297 WALLABOUT STREET	NY SHWS	Higher	148, 0.028, North
A32	LOT 20,TAXBLOCK 2266	388 WALLABOUT STREET	NY E DESIGNATION	Higher	159, 0.030, NE
A33	BAIS RUCHEL HIGH SCH	177 HARRISON AVE	RCRA-LQG, NY MANIFEST, NJ MANIFEST	Higher	161, 0.030, SSW
A34	299-301 WALLABOUT ST	299 WALLABOUT STREET	NY VCP	Higher	161, 0.030, North
A35	LOT 44,TAXBLOCK 2250	299 WALLABOUT STREET	NY E DESIGNATION	Higher	161, 0.030, North
A36	LOT 41,TAXBLOCK 2266	GERRY STREET	NY E DESIGNATION	Higher	166, 0.031, East
A37	CON EDISON	81 GERRY ST	NY E DESIGNATION, NY MANIFEST	Higher	171, 0.032, East
A38	GERRY PROJECT	81-85 GERRY ST	RCRA NonGen / NLR	Higher	171, 0.032, East
A39	LOT 43,TAXBLOCK 2250	301 WALLABOUT STREET	NY E DESIGNATION	Higher	174, 0.033, NNE

MAPPED SITES SUMMARY

Target Property Address:
374 WALLABOUT STREET
BROOKLYN, NY 11206

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A40	LOT 47,TAXBLOCK 2266	83 GERRY STREET	NY E DESIGNATION	Higher	176, 0.033, East
A41	LOT 46,TAXBLOCK 2266	83 GERRY STREET	NY E DESIGNATION	Higher	176, 0.033, East
A42	390 WALLABOUT STREET	390 WALLABOUT STREET	NY VCP	Higher	183, 0.035, NE
A43	LOT 21,TAXBLOCK 2266	390 WALLABOUT STREET	NY E DESIGNATION	Higher	183, 0.035, NE
A44	ARLINGTON PRESS-191	191 HARRISON AVE	RCRA-LQG, FINDS, ECHO	Higher	186, 0.035, SSE
A45	PFIZER INC. SITE BAN	60-66 GERRY STREET	NY UST	Higher	186, 0.035, SSE
B46	58 GERRY ST LLC	58 GERRY ST	NY Spills	Higher	191, 0.036, SSE
A47	FORMER JUST4WHEELS S	89-91 GERRY STREET	NY BROWNFIELDS	Higher	195, 0.037, East
A48	LOT 40,TAXBLOCK 2266	91 GERRY STREET	NY E DESIGNATION	Higher	196, 0.037, East
A49	LOT 42,TAXBLOCK 2250	WALLABOUT STREET	NY E DESIGNATION	Higher	207, 0.039, North
A50	LOT 22,TAXBLOCK 2266	392 WALLABOUT STREET	NY E DESIGNATION	Higher	208, 0.039, NE
A51	LOT 40,TAXBLOCK 2250	305 WALLABOUT STREET	NY E DESIGNATION	Higher	209, 0.040, NNE
A52	MANHOLE 468	WALLABOUT ST/HARRISO	NY Spills	Higher	209, 0.040, WSW
A53	CON EDISON SERVICE B	HARRISON AVE & WALLA	RCRA NonGen / NLR, NY MANIFEST	Higher	210, 0.040, WSW
A54	CON EDISON	HARRISSON & WALLABOU	NJ MANIFEST	Higher	210, 0.040, WSW
A55	CON EDISON	HARRISSON & WALLABOU	RCRA NonGen / NLR, FINDS, ECHO	Higher	210, 0.040, WSW
A56	CON EDISON	HARRISSON & WALLABOU	NY MANIFEST	Higher	210, 0.040, WSW
B57	LOT 17,TAXBLOCK 2269	74 GERRY STREET	NY E DESIGNATION	Higher	216, 0.041, ESE
B58	LOT 14,TAXBLOCK 2269	GERRY STREET	NY E DESIGNATION	Higher	218, 0.041, SE
A59	FORMER JUST4WHEELS S	93 GERRY STREET	NY BROWNFIELDS, NY E DESIGNATION	Higher	219, 0.041, ENE
C60	161 HARRISON AVENUE	161 HARRISON AVENUE	NY VCP	Higher	220, 0.042, WNW
C61	LOT 4,TAXBLOCK 2250	161 HARRISON AVENUE	NY RES DECL, NY E DESIGNATION	Higher	220, 0.042, WNW
B62	LOT 16,TAXBLOCK 2269	GERRY STREET	NY E DESIGNATION	Higher	224, 0.042, SE
B63	LOT 18,TAXBLOCK 2269	76 GERRY STREET	NY E DESIGNATION	Higher	227, 0.043, ESE
C64	LOT 37,TAXBLOCK 2249	174 HARRISON AVENUE	NY E DESIGNATION	Higher	231, 0.044, WSW
B65	PFIZER INC. BROOKLYN	80 GERRY STREET	NY UST	Higher	232, 0.044, ESE
A66	LOT 23,TAXBLOCK 2266	394 WALLABOUT STREET	NY E DESIGNATION	Higher	233, 0.044, NE
C67	86-90 WALTON STREET	90 WALTON STREET	NY VCP	Higher	235, 0.045, NW
C68	LOT 12,TAXBLOCK 2250	90 WALTON STREET	NY E DESIGNATION	Higher	235, 0.045, NW
C69	LOT 10,TAXBLOCK 2250	88 WALTON STREET	NY RES DECL, NY E DESIGNATION	Higher	238, 0.045, NW
B70	V4821	48 GERRY STREET	RCRA NonGen / NLR, NY MANIFEST	Higher	242, 0.046, South
A71	LOT 38,TAXBLOCK 2250	307 WALLABOUT STREET	NY AST, NY E DESIGNATION	Higher	243, 0.046, NNE
A72	LOT 38,TAXBLOCK 2266	95 GERRY STREET	NY E DESIGNATION	Higher	243, 0.046, ENE
C73	160-163 HARRISON AVE	86-90 WALTON STREET	NY UST	Higher	243, 0.046, NW
C74	HARRISON WALTON PROP	86-90 WALTON ST	NY MANIFEST	Higher	243, 0.046, NW
C75	HARRISON WALTON PROP	86-90 WALTON ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	243, 0.046, NW
B76	UNDER GROUND TRANFOR	HARRISON AVE AND GER	NY Spills	Higher	245, 0.046, South
B77	CON ED - MH 485	GERRY ST & HARRISON	RCRA NonGen / NLR, NY MANIFEST	Higher	245, 0.046, South
B78	MANHOLE 1144	GERRY ST/HARRISON AV	NY Spills	Higher	247, 0.047, South

MAPPED SITES SUMMARY

Target Property Address:
374 WALLABOUT STREET
BROOKLYN, NY 11206

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
B79	DRUM RUN	GERRY ST & HARRISON	NY Spills	Higher	247, 0.047, South
C80	HOO CORP.	94 WALLTON STREET	NY UST	Higher	247, 0.047, NNW
C81	LOT 14,TAXBLOCK 2250	94 WALTON STREET	NY E DESIGNATION	Higher	247, 0.047, NNW
B82	LOT 19,TAXBLOCK 2269	82 GERRY STREET	NY E DESIGNATION	Higher	255, 0.048, ESE
A83	LOT 24,TAXBLOCK 2266	396 WALLABOUT STREET	NY E DESIGNATION	Higher	260, 0.049, NE
D84	LOT 37,TAXBLOCK 2266	97 GERRY STREET	NY E DESIGNATION	Higher	268, 0.051, ENE
E85	VARTEX INSTRUMENT CO	311 WALLABOUT ST	RCRA NonGen / NLR, FINDS, ECHO, NY E DESIGNATION,...	Higher	277, 0.052, NNE
C86	LOT 8,TAXBLOCK 2250	157 HARRISON AVENUE	NY E DESIGNATION	Higher	284, 0.054, WNW
C87	LOT 7,TAXBLOCK 2250	157 HARRISON AVENUE	NY E DESIGNATION	Higher	284, 0.054, WNW
C88	LOT 6,TAXBLOCK 2250	157 HARRISON AVENUE	NY E DESIGNATION	Higher	284, 0.054, WNW
D89	398 WALLABOUT STREET	398 WALLABOUT ST	NY Spills	Higher	284, 0.054, NE
D90	MAGIC AUTO REPAIR SH	398 WALLABOUT STREET	NY AST	Higher	284, 0.054, NE
D91	LOT 25,TAXBLOCK 2266	398 WALLABOUT STREET	NY E DESIGNATION	Higher	284, 0.054, NE
D92	LOT 36,TAXBLOCK 2266	99 GERRY STREET	NY E DESIGNATION	Higher	293, 0.055, ENE
B93	ARLINGTON PRESS	191 HARRISON AVENUE	NJ MANIFEST	Higher	298, 0.056, SSE
B94	PFIZER INC	191 HARRISON AVE	NY E DESIGNATION, NY MANIFEST	Higher	298, 0.056, SSE
E95	313 WALLABOUT STREET	313 WALLABOUT STREET	NY VCP	Higher	302, 0.057, NNE
D96	LOT 23,TAXBLOCK 2269	86 GERRY STREET	NY E DESIGNATION	Higher	308, 0.058, East
C97	IS 318	101 WALTON ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	322, 0.061, NW
C98	I.S. 318 - BROOKLYN	101 WALTON STREET	NY AST	Higher	322, 0.061, NW
D99	LOT 24,TAXBLOCK 2269	88 GERRY STREET	NY E DESIGNATION	Higher	328, 0.062, East
B100	LOT 49,TAXBLOCK 2269	37 BARTLETT STREET	NY E DESIGNATION	Higher	339, 0.064, SE
B101	LOT 50,TAXBLOCK 2269	35 BARTLETT STREET	NY E DESIGNATION	Higher	339, 0.064, SE
B102	LOT 48,TAXBLOCK 2269	39 BARTLETT STREET	NY E DESIGNATION	Higher	339, 0.064, SE
B103	DEPT. OF HOUSING	37 TO 39 BARTLETT ST	NY Spills	Higher	339, 0.064, SE
B104	LOT 47,TAXBLOCK 2269	41 BARTLETT STREET	NY E DESIGNATION	Higher	341, 0.065, SE
B105	LOT 52,TAXBLOCK 2269	31 BARTLETT STREET	NY E DESIGNATION	Higher	346, 0.066, SSE
B106	LOT 45,TAXBLOCK 2269	43 BARTLETT STREET	NY E DESIGNATION	Higher	346, 0.066, SE
D107	LOT 34,TAXBLOCK 2266	82 THROOP AVENUE	NY E DESIGNATION	Higher	358, 0.068, ENE
D108	82 THROOP AVENUE - D	82 THROOP AVENUE	NY VCP	Higher	358, 0.068, ENE
D109	ON GROUND	90-92 GERRY STREET	NY Spills	Higher	359, 0.068, East
D110	LOT 25,TAXBLOCK 2269	90 GERRY STREET	NY E DESIGNATION	Higher	359, 0.068, East
B111	CON EDISON SERVICE B	47 BARTLETT ST	RCRA NonGen / NLR, NY MANIFEST	Higher	360, 0.068, ESE
B112	LOT 43,TAXBLOCK 2269	47 BARTLETT STREET	NY E DESIGNATION	Higher	360, 0.068, ESE
B113	29 BARTLETT STREET	29 BARTLETT STREET	NY Spills	Higher	365, 0.069, SSE
B114	29-31 BARTLETT STREE	29-31 BARTLETT STREE	NY AST	Higher	365, 0.069, SSE
D115	THROOP BUILDINGS	72 THROOP AVE	RCRA-LQG, NY MANIFEST	Higher	366, 0.069, NE
D116	CON EDISON	72 THROOP AV	NY MANIFEST	Higher	366, 0.069, NE
D117	CON EDISON	72-74 THROOP AVE & G	NY MANIFEST	Higher	366, 0.069, NE

MAPPED SITES SUMMARY

Target Property Address:
374 WALLABOUT STREET
BROOKLYN, NY 11206

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
D118	CON EDISON	72-74 THROOP AVE & G	NJ MANIFEST	Higher	366, 0.069, NE
D119	CON EDISON	72-74 THROOP AVE & G	RCRA NonGen / NLR, FINDS, ECHO	Higher	366, 0.069, NE
D120	72 THROOP AVENUE	72 THROOP AVENUE	NY VCP	Higher	366, 0.069, NE
D121	THROOP BUILDINGS	72 THROOP AVE	NJ MANIFEST	Higher	366, 0.069, NE
D122	LOT 29,TAXBLOCK 2266	72 THROOP AVENUE	NY E DESIGNATION	Higher	366, 0.069, NE
D123	74 THROOP AVE	74 THROOP AVE	NY VCP	Higher	366, 0.069, NE
D124	LOT 30,TAXBLOCK 2266	74 THROOP AVENUE	NY E DESIGNATION	Higher	366, 0.069, NE
C125	CON EDISON MANHOLE:	HARRISON AVE & WALTO	RCRA NonGen / NLR, FINDS, ECHO	Higher	367, 0.070, WNW
C126	CON EDISON MANHOLE:	WALTON ST & HARRISON	RCRA NonGen / NLR, FINDS, ECHO	Higher	367, 0.070, WNW
D127	LOT 31,TAXBLOCK 2266	76 THROOP AVENUE	NY E DESIGNATION	Higher	367, 0.070, ENE
D128	CON EDISON - MANHOLE	78 THROOP AVE	NJ MANIFEST	Higher	368, 0.070, ENE
D129	CON EDISON	78 THROOP AVE	NY MANIFEST	Higher	368, 0.070, ENE
D130	78 THROOP AVE	78 THROOP AVENUE	NY UST	Higher	368, 0.070, ENE
D131	78-80 THROOP AVENUE	78 THROOP AVENUE	NY VCP	Higher	368, 0.070, ENE
D132	CON EDISON - MANHOLE	78 THROOP AVE	RCRA-LQG	Higher	368, 0.070, ENE
D133	UNDERGROUND	78 THROOP AVE	NY Spills	Higher	368, 0.070, ENE
E134	116 WALTON STREET	116 WALTON STREET	NY VCP	Higher	371, 0.070, North
E135	LOT 25,TAXBLOCK 2250	116 WALTON STREET	NY E DESIGNATION	Higher	371, 0.070, North
F136	LOT 42,TAXBLOCK 2269	51 BARTLETT STREET	NY E DESIGNATION	Higher	375, 0.071, ESE
E137	LOT 33,TAXBLOCK 2250	66 THROOP AVENUE	NY E DESIGNATION	Higher	377, 0.071, NNE
F138	CON EDISON SERVICE B	49 BARTLET ST FRONT	RCRA NonGen / NLR, NY MANIFEST	Higher	382, 0.072, ESE
D139	CON EDISON	FRONT OF 68 THROOP A	NY MANIFEST	Higher	383, 0.073, NE
E140	LOT 129,TAXBLOCK 225	THROOP AVENUE	NY E DESIGNATION	Higher	383, 0.073, NNE
F141	LOT 41,TAXBLOCK 2269	53 BARTLETT STREET	NY E DESIGNATION	Higher	387, 0.073, ESE
F142	LOT 40,TAXBLOCK 2269	55 BARTLETT STREET	NY E DESIGNATION	Higher	398, 0.075, ESE
E143	LOT 32,TAXBLOCK 2250	62 THROOP AVENUE	NY E DESIGNATION	Higher	399, 0.076, NNE
C144	LOT 41,TAXBLOCK 2249	249 WALLABOUT STREET	NY E DESIGNATION	Higher	401, 0.076, WSW
C145	WALLABOUT PFIZER SIT	249 WALLABOUT ST	RCRA-LQG	Higher	401, 0.076, WSW
D146	LOT 27,TAXBLOCK 2269	84 THROOP AVENUE	NY E DESIGNATION	Higher	402, 0.076, East
F147	LOT 39,TAXBLOCK 2269	57 BARTLETT STREET	NY E DESIGNATION, NY LEAD	Higher	412, 0.078, ESE
F148	DRUM RUN	57 BARTLETT ST	NY Spills	Higher	412, 0.078, ESE
D149	LOT 28,TAXBLOCK 2269	THROOP AVENUE	NY E DESIGNATION	Higher	415, 0.079, East
E150	LOT 29,TAXBLOCK 2250	56 THROOP AVENUE	NY E DESIGNATION	Higher	417, 0.079, NNE
E151	THROOP UNITS LLC	52 THROOP AVE	PA MANIFEST	Higher	432, 0.082, North
E152	LOT 27,TAXBLOCK 2250	52 THROOP AVENUE	NY E DESIGNATION	Higher	432, 0.082, North
E153	52-56 THROOP AVENUE	52 THROOP AVENUE	NY VCP	Higher	432, 0.082, North
E154	THROOP UNITS LLC	54 THROOP AVE	NY E DESIGNATION, NY MANIFEST	Higher	433, 0.082, NNE
E155	THROOP UNITS LLC	54 THROOP AVE	RCRA NonGen / NLR	Higher	433, 0.082, NNE
D156	LOT 29,TAXBLOCK 2269	88 THROOP AVENUE	NY E DESIGNATION	Higher	433, 0.082, East

MAPPED SITES SUMMARY

Target Property Address:
374 WALLABOUT STREET
BROOKLYN, NY 11206

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
E157	WALLABOUT STREET AND	THROOP AVE	NY Spills	Higher	433, 0.082, NE
E158	CON EDISON - TRANSFO	WALLABOUT ST C 32W T	RCRA-LQG, NY MANIFEST	Higher	435, 0.082, NE
B159	PFIZER INC BROOKLYN	13 BARTLETT STREET	NY Spills, NY MANIFEST	Higher	442, 0.084, SSE
B160	PFIZER INC	13 BARTLETT ST	CORRACTS, RCRA-LQG, RAATS, FINDS, ECHO	Higher	442, 0.084, SSE
F161	LOT 36,TAXBLOCK 2269	63 BARTLETT STREET	NY E DESIGNATION	Higher	443, 0.084, ESE
D162	LOT 30,TAXBLOCK 2269	90 THROOP AVENUE	NY E DESIGNATION	Higher	446, 0.084, East
G163	PFIZER INC BROOKLYN	338 WALLABOUT ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	447, 0.085, SW
H164	BARTLETT ST & HARRIS	BARTLETT STREET/HARR	NY Spills	Higher	453, 0.086, SSE
H165	MANHOLE #73645	HARRISON AVE NEAR BA	NY Spills	Higher	453, 0.086, SSE
H166	PFIZER INC	11 BARTLETT STREET	NJ MANIFEST	Higher	458, 0.087, South
D167	LOT 31,TAXBLOCK 2269	THROOP AVENUE	NY E DESIGNATION	Higher	458, 0.087, East
F168	J&M AUTO SERVICE COR	30 BARTLETT STREET	NY UST	Higher	470, 0.089, SE
F169	LOT 9,TAXBLOCK 2272	30 BARTLETT STREET	NY E DESIGNATION	Higher	470, 0.089, SE
F170	24 BARTLETT STREET	24 BARTLETT STREET	NY VCP	Higher	471, 0.089, SE
F171	LOT 6,TAXBLOCK 2272	24 BARTLETT STREET	NY Spills, NY E DESIGNATION	Higher	471, 0.089, SE
F172	ZBL BARTLETT LLC	24-28 BARTLETT STREE	NY UST	Higher	471, 0.089, SE
F173	LOT 11,TAXBLOCK 2272	36 BARTLETT STREET	NY E DESIGNATION	Higher	472, 0.089, SE
F174	LOT 35,TAXBLOCK 2269	65 BARTLETT STREET	NY E DESIGNATION	Higher	477, 0.090, East
G175	255 WALLABOUT ST/PFI	255 WALLABOUT STREET	NY LTANKS	Higher	478, 0.091, WSW
D176	THROOP TRANSMISSION	55 THROOP AVE	EDR Hist Auto	Higher	481, 0.091, NE
C177	SERVICE BOX 7192	81 WALDEN ST	NY Spills	Higher	483, 0.091, West
G178	32 GERRIS ST/JAKE'S	32 GERRIS ST	NY Spills	Lower	483, 0.091, SSW
H179	16 BARTLETT STREET	16 BARTLETT STREET	NY VCP	Higher	486, 0.092, SSE
D180	RUSS LOUIS	81-87 THROOP AVE	EDR Hist Auto	Higher	487, 0.092, ENE
G181	LOT 14,TAXBLOCK 2265	334 WALLABOUT STREET	NY BROWNFIELDS, NY E DESIGNATION	Lower	500, 0.095, SW
F182	LOT 33,TAXBLOCK 2269	69 BARTLETT STREET	NY Spills, NY E DESIGNATION	Higher	502, 0.095, East
E183	CON EDISON SERVICE B	45 THROOP AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	511, 0.097, NNE
H184	BARTLETT HARRISON ES	207 HARRISON AVENUE	NY UST	Higher	512, 0.097, SSE
H185	LOT 3,TAXBLOCK 2272	207 HARRISON AVENUE	NY E DESIGNATION	Higher	512, 0.097, SSE
H186	HARRISON DRY CLEANER	209 HARRISON AVE	RCRA NonGen / NLR, ICIS, US AIRS, NY MANIFEST	Higher	518, 0.098, SSE
H187	HARRISON/YORKTOWN/AC	209 HARRISON AVENUE	NY DRYCLEANERS	Higher	518, 0.098, SSE
H188	ACE RAPID CLEANERS	209 HARRISON AVE	EDR Hist Cleaner	Higher	518, 0.098, SSE
G189	LOT 23,TAXBLOCK 2249	WALTON STREET	NY E DESIGNATION	Higher	526, 0.100, WSW
H190	LOT 108,TAXBLOCK 227	BARTLETT STREET	NY E DESIGNATION	Higher	535, 0.101, SE
I191	HYDRO TECH	70 UNION AVENUE	NY Spills, NY MANIFEST	Higher	536, 0.102, West
I192	70 UNION AVENUE	70 UNION AVENUE	NY UST	Higher	536, 0.102, West
I193	CAS DEVELOPERS LLC	70 UNION AVE	RCRA-VSQG, NJ MANIFEST	Higher	536, 0.102, West
I194	RUBIN BOB	70 UNION AVE	EDR Hist Auto	Higher	536, 0.102, West
I195	LOT 149,TAXBLOCK 224	WALTON STREET	NY E DESIGNATION	Higher	546, 0.103, West

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BROOKLYN, NY 11206

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
H196	LOT 55,TAXBLOCK 2272	659 FLUSHING AVENUE	NY E DESIGNATION	Higher	553, 0.105, SSE
J197	CON EDISON SERVICE B	125 GERRY ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	557, 0.105, ENE
H198	TULIP GROVE HOMES	661 FLUSHING AVE	NJ MANIFEST	Higher	562, 0.106, SSE
H199	TULIP GROVE HOMES	661 FLUSHING AVENUE	RCRA-LQG	Higher	562, 0.106, SSE
H200	TULIP GROVE HOMES	661 FLUSHING AVE	NY E DESIGNATION, NY MANIFEST	Higher	562, 0.106, SSE
H201	661 FLUSHING AVENUE	661 FLUSHING AVENUE	NY VCP	Higher	562, 0.106, SSE
H202	MEL-BERN NUMBER FOUR	645 FLUSHING AVE	EDR Hist Auto	Higher	569, 0.108, South
H203	BP SERVICE STATION #	655 FLUSHING AVENUE	NY UST	Higher	571, 0.108, SSE
H204	BP WEST COAST PRODUC	655 FLUSHING AVE	NJ MANIFEST	Higher	571, 0.108, SSE
H205	BP WEST COAST PRODUC	655 FLUSHING AVE	NY MANIFEST	Higher	571, 0.108, SSE
H206	P & C SERVICE STATIO	655 FLUSHING AVE	EDR Hist Auto	Higher	571, 0.108, SSE
H207	BP AMOCO STATION #12	655 FLUSHING AVE	NY Spills	Higher	571, 0.108, SSE
H208	BP WEST COAST PRODUC	655 FLUSHING AVE	RCRA-SQG	Higher	571, 0.108, SSE
H209	BROADWAY TRIANGLE SI	663-667 FLUSHING AVE	NY BROWNFIELDS	Higher	571, 0.108, SSE
H210	LOT 53,TAXBLOCK 2272	663 FLUSHING AVENUE	NY E DESIGNATION	Higher	571, 0.108, SSE
H211	LOT 51,TAXBLOCK 2272	665 FLUSHING AVENUE	NY E DESIGNATION	Higher	582, 0.110, SSE
H212	LOT 52,TAXBLOCK 2272	665 FLUSHING AVENUE	NY E DESIGNATION	Higher	582, 0.110, SSE
K213	DRUM RUN	CORNER THROOP AVE AN	NY Spills	Higher	590, 0.112, East
G214	LOT 122,TAXBLOCK 224	243 WALLABOUT STREET	NY E DESIGNATION	Higher	591, 0.112, WSW
G215	FORMER PFIZER SITE A	243-271 WALLABOUT ST	NY ENG CONTROLS, NY INST CONTROL, NY BROWNFIELDS	Higher	591, 0.112, WSW
K216	BROADWAY TRIANGLE	THROOP AVE / BARTLET	NY Spills	Higher	592, 0.112, East
H217	MANHOLE	HARRISON AVE AND FLU	NY Spills	Higher	595, 0.113, SSE
H218	MANHOLE 20779	HARRISON AVE AND FLU	NY Spills	Higher	595, 0.113, SSE
H219	VAULT 1336 & 1473	FLUSHING AVE & TOMPK	NY Spills	Higher	595, 0.113, SSE
H220	CON EDISON	2 TOMPKINS AVE	NJ MANIFEST	Higher	600, 0.114, SSE
H221	CON EDISON	2 TOMPKINS AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	600, 0.114, SSE
H222	CON EDISON	2 TOMPKINS AVE	RCRA NonGen / NLR	Higher	600, 0.114, SSE
H223	CON EDISON - VAULT 1	2 TOMPKINS AVE	NY MANIFEST	Higher	600, 0.114, SSE
H224	CON EDISON	2 TOMPKINS AVE	NY MANIFEST	Higher	600, 0.114, SSE
H225	TRANSFORMER VAULT 14	2 TOMPKINS AVE AT FL	NY Spills	Higher	600, 0.114, SSE
H226	CON EDISON	2 TOMPKINS AVE	NJ MANIFEST	Higher	600, 0.114, SSE
H227	CON EDISON - VAULT 1	2 TOMPKINS AVE	RCRA-LQG	Higher	600, 0.114, SSE
H228	MANHOLE #42919	THOMPKINS & FLUSHING	NY Spills	Higher	600, 0.114, SSE
H229	CONED MANHOLE #7420	FLUSHING/THOMPKINS	NY Spills	Higher	600, 0.114, SSE
L230	CON EDISON SERVICE B	147 WALTON ST	RCRA NonGen / NLR, NY MANIFEST	Higher	606, 0.115, North
J231	SOSA DIAGNOSTIC REPA	620 BROADWAY	NY AST	Higher	606, 0.115, NE
H232	ACP BK I LLC - 630 F	630 FLUSHING AVE	RCRA-LQG, ICIS, US AIRS, NJ MANIFEST	Higher	609, 0.115, South
H233	PFIZER INC. BROOKLYN	630 FLUSHING AVENUE	NY CBS, NY AST, NY CBS AST	Higher	609, 0.115, South
H234	ACP BK I, LLC	630 FLUSHING AVENUE	NY UST	Higher	609, 0.115, South

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374 WALLABOUT STREET
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H235	ACP BK I LLC - 630 F	630 FLUSHING AVE	NY Spills, NY AIRS, NY MANIFEST	Higher	609, 0.115, South
H236	FORMER PFIZER PROPER	630 FLUSHING AVE	NY LTANKS, NY AST, NY VCP, NY Spills	Higher	609, 0.115, South
M237	LOT 45,TAXBLOCK 2272	11 WHIPPLE STREET	NY E DESIGNATION	Higher	611, 0.116, SE
H238	MANHOLE 504	NW FLUSHING AVE/ BAR	NY Spills	Higher	613, 0.116, South
H239	VS 2097	FLUSHING AVE/BARTLET	NY Spills	Higher	613, 0.116, South
H240	MANHOLE #997	FLUSHING AVE & DELMO	NY Spills	Higher	618, 0.117, South
J241	CON EDISON SERVICE B	622 BROADWAY	RCRA NonGen / NLR, FINDS	Higher	623, 0.118, NE
J242	CON EDISON	622 BROADWAY	NY MANIFEST	Higher	623, 0.118, NE
J243	CON EDISON	622 BROADWAY	NY MANIFEST	Higher	623, 0.118, NE
J244	CON EDISON	FRONT OF 622 BROADWA	NY MANIFEST	Higher	623, 0.118, NE
J245	CON EDISON SERVICE B	622 BROADWAY	RCRA NonGen / NLR	Higher	623, 0.118, NE
N246	NYCT - BROADWAY-LORI	143 LORIMER ST	RCRA-SQG, NY MANIFEST, NJ MANIFEST	Higher	623, 0.118, NW
M247	7 WHIPPLE STREET	7 WHIPPLE STREET	NY VCP	Higher	624, 0.118, SE
N248	CON EDISON - MANHOLE	133 HARRISON ST	RCRA-LQG	Higher	630, 0.119, NW
N249	CON EDISON - MANHOLE	133 HARRISON ST	NY MANIFEST	Higher	630, 0.119, NW
M250	LOT 49,TAXBLOCK 2272	WHIPPLE STREET	NY E DESIGNATION	Higher	634, 0.120, SE
L251	ELLAYAH DELI GROCERY	590 BROADWAY	NY Spills	Higher	635, 0.120, NNE
N252	LOT 54,TAXBLOCK 2242	151 LORIMER STREET	NY E DESIGNATION	Higher	636, 0.120, NW
N253	151 LORIMER STREET -	151 LORIMER STREET	NY VCP	Higher	636, 0.120, NW
N254	153 LORIMER STREET	153 LORIMER STREET	NY VCP	Higher	637, 0.121, NW
N255	LOT 53,TAXBLOCK 2242	153 LORIMER STREET	NY E DESIGNATION	Higher	637, 0.121, NW
L256	A G IGNITION	594 BROADWAY	EDR Hist Auto	Higher	647, 0.123, NNE
L257	SUSION DEVELPORS LLC	594 BROADWAY	NY UST	Higher	647, 0.123, NNE
L258	CITGO/ 594 BROADWAY	594 BROADWAY	NY Spills	Higher	647, 0.123, NNE
L259	RICHARDS AUTO REPAIR	594 BROADWAY	RCRA NonGen / NLR, FINDS, ECHO	Higher	647, 0.123, NNE
N260	165-169 LORIMER STRE	165-169 LORIMER STRE	NY UST	Higher	653, 0.124, NNW
N261	LOT 47,TAXBLOCK 2242	165 LORIMER STREET	NY E DESIGNATION	Higher	653, 0.124, NNW
O262	LOT 46,TAXBLOCK 2242	167 LORIMER STREET	NY E DESIGNATION	Higher	658, 0.125, NNW
L263	LINDSAYS PARK DRY CL	584 BROADWAY	EDR Hist Cleaner	Higher	659, 0.125, North
L264	CON EDISON - MANHOLE	584 BROADWAY	RCRA-LQG, FINDS, ECHO, NY MANIFEST	Higher	659, 0.125, North
O265	169 LORIMER STREET	169 LORIMER STREET	NY VCP	Higher	666, 0.126, NNW
I266	WALTON APARTMENTS	63 WALTON STREET	NY UST	Higher	671, 0.127, West
267	PFIZER (ORGANICS/SUC	CENTRAL PORTION OF P	NY VCP	Lower	672, 0.127, SSW
K268	THROOP AVENUE / BART	THROOP AVENUE / BART	NY UST	Higher	682, 0.129, ESE
M269	CON EDISON	WHIPPLE ST & FLUSHIN	RCRA NonGen / NLR, NJ MANIFEST, NY MANIFEST	Higher	695, 0.132, SE
N270	CON EDISON - TRANSFO	HARRISON AVE & UNION	NJ MANIFEST	Higher	705, 0.134, WNW
N271	CON ED	HARRISON AVE & UNION	NY MANIFEST	Higher	705, 0.134, WNW
N272	CON EDISON - MANHOLE	UNION AVE HARRISON A	RCRA-LQG, NY MANIFEST	Higher	705, 0.134, WNW
N273	CON EDISON - TRANSFO	HARRISON AVE & UNION	RCRA-LQG	Higher	705, 0.134, WNW

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N274	CON EDISON - MANHOLE	UNION AVE HARRISON A	NJ MANIFEST	Higher	705, 0.134, WNW
L275	CON EDISON - TM 1358	THROOP AVE & LORIMER	RCRA NonGen / NLR, NY MANIFEST	Higher	717, 0.136, North
P276	TM2554	322 WALLABOUT STREET	RCRA NonGen / NLR	Lower	724, 0.137, WSW
N277	89 UNION AVENUE	89 UNION AVENUE	NY VCP	Higher	725, 0.137, WNW
N278	100 UNION AVENUE RED	100 UNION AVENUE	NY BROWNFIELDS, NY E DESIGNATION	Higher	726, 0.138, NW
N279	100 UNION AVENUE - D	100 UNION AVENUE	NY VCP	Higher	726, 0.138, NW
Q280	CON EDISON SERVICE B	55 WALTON ST	NJ MANIFEST	Higher	727, 0.138, West
Q281	CON EDISON SERVICE B	55 WALTON ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	727, 0.138, West
I282	M.B.M. MFG.	70 LORIMER STREET	NY UST	Higher	736, 0.139, West
K283	CON EDISON	76 BARTLETT ST	NY MANIFEST	Higher	742, 0.141, East
K284	CON EDISON	76 BARTLETT ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	742, 0.141, East
K285	CON EDISON	76 BARTLETT ST	NJ MANIFEST	Higher	742, 0.141, East
J286	CON EDISON	BROADWAY & GERRY ST	NJ MANIFEST	Higher	747, 0.141, ENE
J287	CON EDISON	BROADWAY & GERRY ST	RCRA NonGen / NLR	Higher	747, 0.141, ENE
J288	CON EDISON	BROADWAY & GERRY ST	NJ MANIFEST	Higher	747, 0.141, ENE
J289	CON EDISON	BROADWAY & GERRY ST	NY MANIFEST	Higher	747, 0.141, ENE
J290	CON EDISON	BROADWAY & GERRY ST	NY MANIFEST	Higher	747, 0.141, ENE
J291	CON EDISON	BROADWAY & GERRY ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	747, 0.141, ENE
M292	CON EDISON	OPP 2 WIPPLE STREET	NY MANIFEST	Higher	750, 0.142, SE
M293	CON EDISON SERVICE B	18 WHIPPLE ST FRONT	RCRA NonGen / NLR, NY MANIFEST	Higher	750, 0.142, ESE
K294	UNITED TALMUDICAL AC	110 THROOP AVENUE	NY AST	Higher	755, 0.143, ESE
J295	CON EDISON	648 BROADWAY	NJ MANIFEST	Higher	762, 0.144, ENE
J296	CON EDISON	648 BROADWAY	NY MANIFEST	Higher	762, 0.144, ENE
J297	CON EDISON	648 BROADWAY	RCRA NonGen / NLR, FINDS, ECHO	Higher	762, 0.144, ENE
K298	CON EDISON	95 THROOP AVE	NJ MANIFEST	Higher	768, 0.145, ESE
K299	CON EDISON	95 THROOP AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	768, 0.145, ESE
Q300	47 WALTON STREET	47 WALTON STREET	NY VCP	Higher	777, 0.147, West
O301	196 MIDDLETON STREET	196 MIDDLETON STREET	NY VCP	Higher	791, 0.150, NNW
L302	MTA NYCT - LORIMER S	LORIMER ST & BROADWA	RCRA NonGen / NLR, NY MANIFEST	Higher	793, 0.150, North
L303	CON EDISON MANHOLE:	LORIMER ST & BROADWA	RCRA NonGen / NLR, NY MANIFEST	Higher	793, 0.150, North
L304	CON EDISON	LORIMER ST & BROADWA	RCRA NonGen / NLR, NJ MANIFEST, NY MANIFEST	Higher	793, 0.150, North
Q305	45 WALTON STREET	45 WALTON STREET	NY VCP	Higher	794, 0.150, WSW
R306	CON EDISON	34 WHIPPLE ST	NY MANIFEST	Higher	812, 0.154, ESE
R307	CON EDISON TRANSFORM	34 WHIPPLE ST	RCRA NonGen / NLR	Higher	812, 0.154, ESE
R308	CLOSED-LACKOF RECENT	113 THROOP AVE	NY LTANKS	Higher	818, 0.155, ESE
S309	CON EDISON - VS 2314	93 HOPKINS ST	RCRA NonGen / NLR, NY MANIFEST	Higher	824, 0.156, SSE
R310	ALL SAINTS R C CHURC	115 THROOP AVE	NY UST, NY AST	Higher	829, 0.157, ESE
Q311	ULTIMATE AUTO REPAIR	45 WALTON STREET	NY AST	Higher	833, 0.158, WSW
S312	CON EDISON	149 HOPKINS ST	RCRA NonGen / NLR, NY MANIFEST	Higher	840, 0.159, SSE

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N313	CON EDISON	UNION AVE & MIDDLETO	NJ MANIFEST	Higher	843, 0.160, NW
N314	CON EDISON	UNION AVE & MIDDLETO	RCRA NonGen / NLR, FINDS, ECHO	Higher	843, 0.160, NW
N315	CON ED	UNION AVE & MIDDLETO	NY MANIFEST	Higher	843, 0.160, NW
T316	NYCTA - 22 THROOP AV	22 THROOP AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	849, 0.161, NNW
U317	CON EDISON - MANHOLE	662 BROADWAY	RCRA-LQG, NY MANIFEST, NJ MANIFEST	Higher	853, 0.162, East
N318	CONSOLIDATED EDISON	MIDDLETON & HARRISON	NY MANIFEST	Higher	866, 0.164, NW
T319	CON EDISON	OPP 23 THROOP AV	NY MANIFEST	Higher	868, 0.164, North
V320	AVALON INDUSTRIES IN	95 LORIMER ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	883, 0.167, West
U321	CON EDISON	BARTLETT ST & BROADW	RCRA NonGen / NLR	Higher	894, 0.169, ENE
U322	CON EDISON	BARTLETT ST & BROADW	NY MANIFEST	Higher	894, 0.169, ENE
U323	CON EDISON	BARTLETT ST & BROADW	NJ MANIFEST	Higher	894, 0.169, ENE
W324	CON EDISON	22-66 LEONARD ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	904, 0.171, NE
W325	CON EDISON	22-66 LEONARD ST	NJ MANIFEST	Higher	904, 0.171, NE
P326	CON EDISON MANHOLE:	MARCY AVE & WALLABOU	RCRA NonGen / NLR, NY MANIFEST	Lower	907, 0.172, WSW
X327	CON EDISON	161 HOPKINS ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	908, 0.172, SE
X328	CON EDISON	161 HOPKINS ST	NJ MANIFEST	Higher	908, 0.172, SE
R329	EMS BATT 57 @ WOODHU	131 THROOP AVENUE	NY AST	Higher	914, 0.173, ESE
R330	CON EDISON	131 THROOP AVE	NY MANIFEST	Higher	914, 0.173, ESE
R331	CON EDISON	131 THROOP AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	914, 0.173, ESE
R332	CON EDISON	131 THROOP AVE	NJ MANIFEST	Higher	914, 0.173, ESE
R333	EMS BATT 57 @ WOODHU	131 THROOP AVENUE	NY UST	Higher	914, 0.173, ESE
Q334	429 MARCY AVENUE	429 MARCY AVENUE	NY UST	Higher	923, 0.175, WSW
Y335	NYCTA	FLUSHING & UNION AVE	NY MANIFEST	Lower	923, 0.175, SW
Y336	CON EDISON MANHOLE:	MARCY AVE & FLUSHING	RCRA NonGen / NLR, NY MANIFEST	Lower	923, 0.175, SW
Y337	MTA NYCT - FLUSHING	FLUSHING & UNION AVE	RCRA-VSQG, NJ MANIFEST	Lower	923, 0.175, SW
Y338	V2107	2-48 GERRY	RCRA NonGen / NLR, NY MANIFEST	Lower	925, 0.175, SW
Y339	V1821	2 GERRY STREET	RCRA NonGen / NLR, NY MANIFEST	Lower	925, 0.175, SW
Z340	GEORGE ROYH	116 UNION AVENUE	NY UST	Higher	931, 0.176, NW
R341	CON EDISON	701 FLUSHING AVE	NY MANIFEST	Higher	932, 0.177, ESE
R342	CON EDISON - SERVICE	701 FLUSHING AVE	RCRA-LQG	Higher	932, 0.177, ESE
AA343	ANTONIA GONSALIS	118-120 HARRISON AVE	NY UST	Higher	939, 0.178, WNW
AB344	CON EDISON	MARCY AVE & WALTON S	RCRA NonGen / NLR	Lower	952, 0.180, WSW
AB345	CON EDISON	MARCY AVE & WALTON S	NJ MANIFEST	Lower	952, 0.180, WSW
AB346	CON ED	MARCY AVE & WALTON S	NY MANIFEST	Lower	952, 0.180, WSW
P347	CON EDISON MANHOLE:	442 MARCY AVE	RCRA NonGen / NLR, NY MANIFEST	Lower	953, 0.180, SW
Q348	415-419 MARCY AVENUE	419 MARCY AVENUE	NY VCP	Higher	954, 0.181, WSW
U349	CON EDISON - MANHOLE	676 BROADWAY	RCRA-LQG	Higher	962, 0.182, East
U350	CON EDISON - MANHOLE	676 BROADWAY	NY MANIFEST	Higher	962, 0.182, East
T351	CON EDISON	OPP 21 THROOP AVE	NY MANIFEST	Higher	963, 0.182, NNW

MAPPED SITES SUMMARY

Target Property Address:
374 WALLABOUT STREET
BROOKLYN, NY 11206

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
P352	CON EDISON MANHOLE:	298 WALLABOUT AVE	RCRA NonGen / NLR, NY MANIFEST	Lower	976, 0.185, SW
Q353	FORMER CHARLES PFIZE	407 MARCY AVE	RCRA-LQG, FINDS, NY E DESIGNATION, NY MANIFEST	Higher	976, 0.185, West
Z354	120 UNION AVENUE	120 UNION AVENUE	NY VCP	Higher	982, 0.186, NNW
Z355	KNIGHTS COLLISION RE	120- 150 UNION AVENU	NY AST	Higher	982, 0.186, NNW
Z356	KNIGHTS COLLISION &	120 UNION AVENUE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	982, 0.186, NNW
Z357	KNIGHTS COLLISION RE	120- 150 UNION AVENU	NY UST	Higher	982, 0.186, NNW
358	LINDSAY PARK HOUSING	54 BOERUM ST	NY LTANKS	Higher	985, 0.187, NNE
AB359	CONSTRUCTION SITE	420 MARCY AVE	NY LTANKS, NY Spills	Higher	1003, 0.190, WSW
AB360	CGS BUILDER	420 MARCY AVE	RCRA NonGen / NLR, NJ MANIFEST	Higher	1003, 0.190, WSW
V361	CON EDISON	80 LORIMER ST	NJ MANIFEST	Higher	1018, 0.193, West
V362	CON EDISON	80 LORIMER ST	NY MANIFEST	Higher	1018, 0.193, West
V363	CON EDISON	80 LORIMER ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1018, 0.193, West
R364	CON EDISON	THROOP AVE & FLUSHIN	RCRA NonGen / NLR, FINDS, ECHO	Higher	1047, 0.198, ESE
R365	CON EDISON	THROOP AVE & FLUSHIN	NJ MANIFEST	Higher	1047, 0.198, ESE
AC366	CON EDISON - SERVICE	185 HOPKINS ST	NJ MANIFEST	Higher	1058, 0.200, SE
AC367	CON EDISON	185 HOPKINS ST	NY MANIFEST	Higher	1058, 0.200, SE
AC368	CON EDISON - SERVICE	185 HOPKINS ST	RCRA-LQG	Higher	1058, 0.200, SE
U369	CON EDISON SERVICE B	12 MANHATTAN AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	1094, 0.207, ENE
AD370	709-715 FLUSHING AVE	709-715 FLUSHING AVE	NY AST	Higher	1095, 0.207, ESE
AE371	CON EDISON	135 MIDDLETON ST	NY MANIFEST	Higher	1112, 0.211, WNW
AE372	CON EDISON	135 MIDDLETON ST	RCRA NonGen / NLR	Higher	1112, 0.211, WNW
AE373	CON EDISON	135 MIDDLETON ST	NJ MANIFEST	Higher	1112, 0.211, WNW
V374	LUDWIG INDUSTRIES, I	133 MIDDLETON STREET	NY UST	Higher	1120, 0.212, WNW
V375	LUDWIG INDUSTRIES IN	133 MIDDLETON ST	RCRA-VSQG, NY MANIFEST	Higher	1120, 0.212, WNW
AA376	NYNEX	HARRISON AVE & LYNCH	NY MANIFEST	Higher	1130, 0.214, NW
377	NYC DEPT OF EDUCATIO	185 ELLERY ST	RCRA-SQG, NY MANIFEST	Higher	1149, 0.218, SSE
AF378	CON EDISON - SERVICE	685 BROADWAY	RCRA-LQG	Higher	1153, 0.218, East
AF379	CON EDISON	685 BROADWAY	NY MANIFEST	Higher	1153, 0.218, East
AD380	CON EDISON	719 FLUSHING AVE	NY MANIFEST	Higher	1156, 0.219, ESE
AB381	CON EDISON - MANHOLE	13 WALTON ST	RCRA-LQG, NY MANIFEST, NJ MANIFEST	Lower	1161, 0.220, WSW
AG382	CON EDISON - TRANSFO	254 LYNCH ST	NY MANIFEST	Higher	1164, 0.220, NNW
Z383	CON EDISON - MANHOLE	239 LYNCH ST	NY MANIFEST	Higher	1179, 0.223, NW
Z384	CON EDISON - MANHOLE	241 LYNCH ST / HARRI	RCRA-LQG, NY MANIFEST, NJ MANIFEST	Higher	1180, 0.223, NW
AH385	CON EDISON - VAULT S	30 MANHATTAN AVE	RCRA-LQG	Higher	1181, 0.224, ENE
AH386	CON EDISON	30 MANHATTAN AVE	NY MANIFEST	Higher	1181, 0.224, ENE
387	LINDSAY PARK HOUSING	31 LEONARD STREET	NY UST	Higher	1182, 0.224, NNE
AD388	EMS @ WOODHULL HOSPI	720 FLUSHING AVE	NY UST	Higher	1188, 0.225, ESE
AE389	NYNEX	OPPOSITE 168 LYNCH S	NY MANIFEST	Higher	1189, 0.225, WNW
AG390	545 BROADWAY ASSOCIA	531 BROADWAY	NY UST	Higher	1202, 0.228, NNW

MAPPED SITES SUMMARY

Target Property Address:
374 WALLABOUT STREET
BROOKLYN, NY 11206

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
AG391	545 BROADWAY ASSOCIA	531 BROADWAY	NY AST	Higher	1202, 0.228, NNW
AH392	CON EDISON SERVICE B	32 VARET ST	RCRA NonGen / NLR, NY MANIFEST	Higher	1209, 0.229, ENE
AG393	NYNEX	18 BOERUM STREET	NY TANKS	Higher	1213, 0.230, North
AH394	CON EDISON	46 MANHATTAN AVE	NY MANIFEST	Higher	1224, 0.232, NE
AH395	CON EDISON SERVICE B	46 MANHATTAN AVE	RCRA NonGen / NLR, FINDS	Higher	1224, 0.232, NE
AI396	CON EDISON	274 WALLABOUT ST	RCRA NonGen / NLR, NJ MANIFEST, NY MANIFEST	Lower	1225, 0.232, WSW
AI397	LEE GARNES	5 WALTON STREET	NY AST	Lower	1233, 0.234, WSW
AI398	CONSTRUCTION SITE	5 WALTON AVE	NY LTANKS	Lower	1233, 0.234, WSW
AE399	CON EDISON MANHOLE:	MARCY AVE & MIDDLETO	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	1234, 0.234, West
AE400	CON EDISON SERVICE B	MIDDLETON ST & MARCY	RCRA NonGen / NLR, NY MANIFEST	Higher	1234, 0.234, West
AE401	CON EDISON MANHOLE:	MARCY AVE & MIDDLETO	RCRA NonGen / NLR, NY MANIFEST	Higher	1234, 0.234, West
AC402	CON EDISON	164 THROOP AVE	NJ MANIFEST	Higher	1235, 0.234, SE
AC403	CON EDISON	164 THROOP AVE	NY MANIFEST	Higher	1235, 0.234, SE
AC404	CON EDISON	164 THROOP AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	1235, 0.234, SE
AF405	CON EDISON	FO 697 BROADWAY	NY MANIFEST	Higher	1244, 0.236, East
AG406	SERVICE STATION	152 UNION AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	1254, 0.237, NNW
AG407	BP SERVICE STATION #	152 UNION AVENUE	NY UST, NY Spills	Higher	1254, 0.237, NNW
AG408	SERVICE STATION	152 UNION AVE	NJ MANIFEST	Higher	1254, 0.237, NNW
409	CON EDISON	BOERUM & LORIMER ST	NY MANIFEST	Higher	1270, 0.241, North
AI410	NYCTA - WALTON STREE	WALTON & WALLABOUT S	RCRA NonGen / NLR, NY MANIFEST	Lower	1271, 0.241, WSW
AC411	CON EDISON	168 THROOP AVE	RCRA NonGen / NLR	Higher	1275, 0.241, SE
AC412	CON EDISON	168 THROOP AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	1275, 0.241, SE
AC413	CON EDISON	168 THROOP AVE	NJ MANIFEST	Higher	1275, 0.241, SE
AC414	CON EDISON	168 THROOP AVE	NY MANIFEST	Higher	1275, 0.241, SE
AC415	CON EDISON	168 THROOP AVE	NJ MANIFEST	Higher	1275, 0.241, SE
AG416	VERIZON LOG 24051 MA	BROADWAY & BOERUM ST	RCRA NonGen / NLR	Higher	1275, 0.241, NNW
AF417	CON EDISON	BROADWAY & DEBEVOISE	RCRA NonGen / NLR	Higher	1287, 0.244, East
AF418	CON EDISON	BROADWAY & DEBEVOISE	NJ MANIFEST	Higher	1287, 0.244, East
AF419	CON EDISON	BROADWAY & DEBEVOISE	RCRA NonGen / NLR, FINDS, ECHO	Higher	1287, 0.244, East
AH420	CON EDISON SERVICE B	50 MANHATTAN AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	1303, 0.247, NE
AI421	CON EDISON - MANHOLE	573 FLUSHING AVE	RCRA-LQG, FINDS, ECHO, NY MANIFEST	Lower	1307, 0.248, SW
422	CON ED - VS 5285	SEIGAL ST & MANHATTA	RCRA NonGen / NLR, NY MANIFEST	Higher	1317, 0.249, NE
423	252 HEYWARD STREET	252 HEYWARD STREET	NY AST	Higher	1317, 0.249, NW
AJ424	171 THROOP AVENUE	171 THROOP AVENUE	NY VCP	Higher	1359, 0.257, SE
AJ425	179 THROOP AVENUE	179 THROOP AVENUE	NY VCP	Higher	1435, 0.272, SE
426	35 GRAHM AVE.	35 GRAHM AVE	NY LTANKS	Higher	1468, 0.278, ENE
427	UNITED STATES ARMORY	355 MARCY AVENUE	NY LTANKS, NY Spills	Higher	1502, 0.284, WNW
AK428	SLATTERY STOVE SITE	171 WALLBOUT ST	SEMS-ARCHIVE, RCRA NonGen / NLR, PRP, ICIS, FINDS,...	Lower	1527, 0.289, WSW
AL429	ENGINE CO. 216/LADD.	187 UNION AVENUE	NY LTANKS, NY Spills	Higher	1549, 0.293, NNW

MAPPED SITES SUMMARY

Target Property Address:
374 WALLABOUT STREET
BROOKLYN, NY 11206

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
AK430	242 WALLABOUT STREET	242 WALLABOUT STREET	NY VCP	Lower	1581, 0.299, WSW
431	BROOKLYN NORTH 03/03	306 RUTLEDGE STREET	NY LTANKS, NY Spills	Higher	1584, 0.300, NW
AL432	JOHNSON AVE. & BROAD	JOHNSON AVE AND BROA	NY LTANKS	Higher	1635, 0.310, NNW
AM433	NOSTRAND AVE & FLUSH	NOSTRAND AVE & FLUSH	NY LTANKS	Lower	1726, 0.327, WSW
AM434	535 FLUSHING AVE.	535 FLUSHING AVENUE	NY VCP	Lower	1754, 0.332, WSW
AM435	527 FLUSHING AVENUE	527 FLUSHING AVENUE	NY VCP	Lower	1828, 0.346, WSW
AN436	209 UNION AVENUE	209 UNION AVE - 90TH	NY LTANKS	Higher	1934, 0.366, NNW
AN437	90 PRECINCT NYPD -DD	209 UNION AVENUE	NY LTANKS, NY Spills	Higher	1934, 0.366, NNW
438	CLOSED-LACKOF RECENT	204 WALLABOUT ST	NY LTANKS	Lower	1989, 0.377, WSW
439	BUSHWICK -NYCHA	24 HUMBOLDT STREET	NY LTANKS, NY Spills	Higher	2023, 0.383, East
AO440	BORDEN CHEMICAL	56 NOSTRAND AVE.	NY HSWDS	Higher	2037, 0.386, SW
441	30 WARSOFF PLACE/BKL	30 WARSOFF PLACE	NY LTANKS	Higher	2055, 0.389, SW
442	FORMER CASCADE LAUND	553 MARCY AVENUE	NY ENG CONTROLS, NY INST CONTROL, NY BROWNFIELDS	Higher	2125, 0.402, South
443	901 MYRTLE AVE	901 MYRTLE AVENUE	NY VCP	Higher	2147, 0.407, South
444	159 BOERUM STREET	159 BOERUM STREET	NY BROWNFIELDS	Higher	2216, 0.420, NE
AO445	MARCY HOUSES -NYCHA	603 PARK AVE	NY LTANKS	Higher	2241, 0.424, SW
AO446	MARCY HOUSES -NYCHA	603 PARK AVE	NY LTANKS	Higher	2241, 0.424, SW
AP447	COOPER TANK & WELDIN	222-26 SIEGAL AVE	NY SWF/LF	Higher	2254, 0.427, ENE
AP448	BORINQUEN PLAZA	110 HUMBOLDT STREET	NY LTANKS, NY UST	Higher	2265, 0.429, ENE
AQ449	FORMER TECHTRONICS S	480 FLUSHING AVENUE	NY SHWS, NY BROWNFIELDS	Higher	2268, 0.430, WSW
AR450	TOP HAT CLEANERS	152 GRAHAM AVENUE	NY BROWNFIELDS, NY DRYCLEANERS	Higher	2271, 0.430, NE
AR451	TOP HAT CLEANERS	152 GRAHAM AVE	RCRA-VSQG, NY SHWS, ICIS, US AIRS, NY MANIFEST	Higher	2271, 0.430, NE
AS452	COMMERCIAL BUILDING	544 PARK AVE	NY LTANKS	Higher	2295, 0.435, SW
AQ453	TOLDOS YEHUDAH LLC	8 WALWORTH ST	CORRACTS, NY BROWNFIELDS, RCRA NonGen / NLR, NY...	Higher	2316, 0.439, WSW
AQ454	FORMER TECHTRONICS E	8 WALWORTH STREET	NY SHWS	Higher	2316, 0.439, WSW
AT455	BORINQUEN PLAZA	120 HUMBOLDT STREET	NY LTANKS, NY UST	Higher	2321, 0.440, NE
AS456	NEW YORK CITY DEPART	559 PARK AVE	SEMS-ARCHIVE, RCRA NonGen / NLR	Higher	2332, 0.442, SW
457	922 MYRTLE AVENUE	922 MYRTLE AVENUE	NY VCP	Higher	2340, 0.443, SSE
AT458	CONSOLIDATED EDISON	130 HUMBOLDT ST & MC	NY LTANKS, NY Spills, NY MANIFEST	Higher	2368, 0.448, NE
459	MOST HOLY TRINITY RE	157 GRAHAM AVE	NY LTANKS, NY UST	Higher	2377, 0.450, NNE
460	CONWAY/EMPTY BUILDIN	815 BROADWAY	NY LTANKS	Higher	2377, 0.450, ESE
461	CON ED	130 MOORE ST	NY LTANKS, NY MANIFEST	Higher	2382, 0.451, ENE
AP462	CON EDISON	155 SIEGEL ST	NY LTANKS, NY MANIFEST	Higher	2392, 0.453, ENE
463	948 MYRTLE AVENUE	948 MYRTLE AVENUE	NY VCP	Higher	2400, 0.455, SSE
AQ464	11 SPENCER STREET	11 SPENCER STREET	NY BROWNFIELDS, NY Spills, NY MANIFEST	Higher	2417, 0.458, WSW
465	802-806 MYRTLE AVENU	806 MYRTLE AVENUE	NY VCP	Higher	2469, 0.468, SSW
AQ466	12 SPENCER STREET	12 SPENCER STREET	NY SHWS, NY BROWNFIELDS	Higher	2524, 0.478, WSW
467	SPILL NUMBER 9812897	2 LYCH ST	NY LTANKS	Lower	2551, 0.483, WSW
468	14 SPENCER ST/NORELL	14 SPENCER STREET	NY LTANKS	Higher	2556, 0.484, WSW

MAPPED SITES SUMMARY

Target Property Address:
374 WALLABOUT STREET
BROOKLYN, NY 11206

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
469	BORINQUEN HOUSES	330 BUSHWICK AVENUE	NY LTANKS, NY UST, NY Spills	Higher	2568, 0.486, ENE
470	74 VERNON AVENUE	74 VERNON AVENUE	NY VCP	Higher	2614, 0.495, South
471	BEDFORD AUTO SALES	984 MYRTLE AVE	NY SWF/LF	Higher	2626, 0.497, SE
AU472	K - SKILLMAN ST. STA	7 SKILLMAN STREET	NY SHWS, NY BROWNFIELDS	Higher	2950, 0.559, WSW
AU473	SKILLMAN STATION	SKILLMAN ST. FLUSHIN	EDR MGP	Higher	2957, 0.560, WSW
474	NASSAU GAS	SKILLMAN AVE	EDR MGP	Higher	3071, 0.582, WSW
475	KOLLMORGAN OPTICAL		FUDS	Higher	3220, 0.610, WSW
476	RUTLEDGE STATION	RUTLEDGE ST. WYTHE A	EDR MGP	Higher	3663, 0.694, WSW
477	RAPID ARMORED CORPOR	254 SCHOLES STREET	NY SHWS, NY Spills	Higher	3735, 0.707, NE
478	KEAP ST. STATION	KEAP ST. WYTHE AVE.	EDR MGP	Higher	4091, 0.775, West
479	2 INGRAHAM STREET	2 INGRAHAM ST	NY SHWS, NY VCP, NY BROWNFIELDS	Higher	4320, 0.818, ENE
480	SCHOLES ST. STATION	SCHOLES ST 7 BOGART	EDR MGP	Higher	4622, 0.875, NE
481	BQE/ANSBACHER COLOR	MEEKER AVENUE	NY SHWS	Higher	4782, 0.906, NNW
482	MERG LINOTYPE CO		FUDS	Higher	5025, 0.952, WSW
483	NAVAL STATION-BROOKL	FLUSHING AVENUE	NY SHWS, NY INST CONTROL	Higher	5146, 0.975, West

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 04/27/2022 has revealed that there are 2 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NEW YORK CITY DEPART Site ID: 0201493 EPA Id: NYD012497335	***559 PARK AVE***	***SW 1/4 - 1/2 (0.442 mi.)***	***AS456***	***110***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SLATTERY STOVE SITE Site ID: 0203594 EPA Id: NYD001288349	***171 WALLBOUT ST***	***WSW 1/4 - 1/2 (0.289 mi.)***	***AK428***	***102***

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: A review of the CORRACTS list, as provided by EDR, and dated 02/28/2022 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PFIZER INC EPA ID:: NYD001374214	***13 BARTLETT ST***	***SSE 0 - 1/8 (0.084 mi.)***	***B160***	***40***
TOLDOS YEHUDAH LLC	***8 WALWORTH ST***	***WSW 1/4 - 1/2 (0.439 mi.)***	***AQ453***	***109***

EPA ID:: NYD000824334

Lists of Federal RCRA generators

RCRA-LQG: A review of the RCRA-LQG list, as provided by EDR, and dated 02/28/2022 has revealed that there are 24 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BAIS RUCHEL HIGH SCH EPA ID:: NYR000183780	***177 HARRISON AVE***	***SSW 0 - 1/8 (0.030 mi.)***	***A33***	***14***
ARLINGTON PRESS-191 EPA ID:: NYD001513779	***191 HARRISON AVE***	***SSE 0 - 1/8 (0.035 mi.)***	***A44***	***16***
THROOP BUILDINGS EPA ID:: NYR000197897	***72 THROOP AVE***	***NE 0 - 1/8 (0.069 mi.)***	***D115***	***31***
CON EDISON - MANHOLE EPA ID:: NYP004720009	78 THROOP AVE	ENE 0 - 1/8 (0.070 mi.)	D132	34
WALLABOUT PFIZER SIT EPA ID:: NYR000245456	249 WALLABOUT ST	WSW 0 - 1/8 (0.076 mi.)	C145	37
CON EDISON - TRANSFO EPA ID:: NYP004399176	***WALLABOUT ST C 32W T***	***NE 0 - 1/8 (0.082 mi.)***	***E158***	***39***
PFIZER INC EPA ID:: NYD001374214	***13 BARTLETT ST***	***SSE 0 - 1/8 (0.084 mi.)***	***B160***	***40***
TULIP GROVE HOMES EPA ID:: NYR000203539	661 FLUSHING AVENUE	SSE 0 - 1/8 (0.106 mi.)	H199	49
CON EDISON - VAULT 1 EPA ID:: NYP005131800	2 TOMPKINS AVE	SSE 0 - 1/8 (0.114 mi.)	H227	55
ACP BK I LLC - 630 F EPA ID:: NYD986936904	***630 FLUSHING AVE***	***S 0 - 1/8 (0.115 mi.)***	***H232***	***56***
CON EDISON - MANHOLE EPA ID:: NYP005064977	133 HARRISON ST	NW 0 - 1/8 (0.119 mi.)	N248	60
CON EDISON - MANHOLE EPA ID:: NYP004306957	***584 BROADWAY***	***N 0 - 1/8 (0.125 mi.)***	***L264***	***63***
CON EDISON - MANHOLE EPA ID:: NYP004184263	***UNION AVE HARRISON A***	***WNW 1/8 - 1/4 (0.134 mi.)***	***N272***	***65***
CON EDISON - TRANSFO EPA ID:: NYP004875098	HARRISON AVE & UNION	WNW 1/8 - 1/4 (0.134 mi.)	N273	65
CON EDISON - MANHOLE EPA ID:: NYP004184289	***662 BROADWAY***	***E 1/8 - 1/4 (0.162 mi.)***	***U317***	***76***
CON EDISON - SERVICE EPA ID:: NYP005021290	701 FLUSHING AVE	ESE 1/8 - 1/4 (0.177 mi.)	R342	81
CON EDISON - MANHOLE EPA ID:: NYP005094628	676 BROADWAY	E 1/8 - 1/4 (0.182 mi.)	U349	83
FORMER CHARLES PFIZE EPA ID:: NYR000205047	***407 MARCY AVE***	***W 1/8 - 1/4 (0.185 mi.)***	***Q353***	***84***
CON EDISON - SERVICE	185 HOPKINS ST	SE 1/8 - 1/4 (0.200 mi.)	AC368	87

EPA ID:: NYP004733754				
CON EDISON - SERVICE EPA ID:: NYP004730065	685 BROADWAY	E 1/8 - 1/4 (0.218 mi.)	AF378	89
CON EDISON - MANHOLE EPA ID:: NYP004183497	***241 LYNCH ST / HARRI***	***NW 1/8 - 1/4 (0.223 mi.)***	***Z384***	***91***
CON EDISON - VAULT S EPA ID:: NYP005087006	30 MANHATTAN AVE	ENE 1/8 - 1/4 (0.224 mi.)	AH385	91

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - MANHOLE EPA ID:: NYP004184040	***13 WALTON ST***	***WSW 1/8 - 1/4 (0.220 mi.)***	***AB381***	***90***
CON EDISON - MANHOLE EPA ID:: NYP004316972	***573 FLUSHING AVE***	***SW 1/8 - 1/4 (0.248 mi.)***	***AI421***	***100***

RCRA-SQG: A review of the RCRA-SQG list, as provided by EDR, and dated 02/28/2022 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BP WEST COAST PRODUC EPA ID:: NYR000198119	655 FLUSHING AVE	SSE 0 - 1/8 (0.108 mi.)	H208	50
NYCT - BROADWAY-LORI EPA ID:: NYR000156547	***143 LORIMER ST***	***NW 0 - 1/8 (0.118 mi.)***	***N246***	***60***
NYC DEPT OF EDUCATIO EPA ID:: NYR000011163	***185 ELLERY ST***	***SSE 1/8 - 1/4 (0.218 mi.)***	***377***	***89***

RCRA-VSQG: A review of the RCRA-VSQG list, as provided by EDR, and dated 02/28/2022 has revealed that there are 4 RCRA-VSQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PFIZER INC BROOKLYN EPA ID:: NYR000016048	***73 GERRY ST***	***E 0 - 1/8 (0.026 mi.)***	***A23***	***12***
CAS DEVELOPERS LLC EPA ID:: NYR000146126	***70 UNION AVE***	***W 0 - 1/8 (0.102 mi.)***	***I193***	***47***
LUDWIG INDUSTRIES IN EPA ID:: NYD987034030	***133 MIDDLETON ST***	***WNW 1/8 - 1/4 (0.212 mi.)***	***V375***	***89***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MTA NYCT - FLUSHING EPA ID:: NYR000043455	***FLUSHING & UNION AVE***	***SW 1/8 - 1/4 (0.175 mi.)***	***Y337***	***80***

Lists of state- and tribal hazardous waste facilities

NY SHWS: A review of the NY SHWS list, as provided by EDR, and dated 02/08/2022 has revealed that there are 10 NY SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
297 WALLABOUT STREET Site Code: 593197	297 WALLABOUT STREET	N 0 - 1/8 (0.028 mi.)	A31	14
FORMER TECHTRONICS S Site Code: 548235	***480 FLUSHING AVENUE***	***WSW 1/4 - 1/2 (0.430 mi.)***	***AQ449***	***108***
TOP HAT CLEANERS Site Code: 504341	***152 GRAHAM AVE***	***NE 1/4 - 1/2 (0.430 mi.)***	***AR451***	***109***
FORMER TECHTRONICS E Site Code: 529340	8 WALWORTH STREET	WSW 1/4 - 1/2 (0.439 mi.)	AQ454	110
12 SPENCER STREET Site Code: 590121	***12 SPENCER STREET***	***WSW 1/4 - 1/2 (0.478 mi.)***	***AQ466***	***113***
K - SKILLMAN ST. STA Site Code: 379003	***7 SKILLMAN STREET***	***WSW 1/2 - 1 (0.559 mi.)***	***AU472***	***114***
RAPID ARMORED CORPOR Site Code: 588258	***254 SCHOLES STREET***	***NE 1/2 - 1 (0.707 mi.)***	***477***	***115***
2 INGRAHAM STREET Site Code: 57074	***2 INGRAHAM ST***	***ENE 1/2 - 1 (0.818 mi.)***	***479***	***116***
BQE/ANSBACHER COLOR Site Code: 55913 Class Code: Does not present a significant threat to the public health or the environment - action may be deferred.	MEEKER AVENUE	NNW 1/2 - 1 (0.906 mi.)	481	116
NAVAL STATION-BROOKL Site Code: 55915	***FLUSHING AVENUE***	***W 1/2 - 1 (0.975 mi.)***	***483***	***117***

Lists of state and tribal landfills and solid waste disposal facilities

NY SWF/LF: A review of the NY SWF/LF list, as provided by EDR, and dated 12/21/2021 has revealed that there are 2 NY SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COOPER TANK & WELDIN	222-26 SIEGAL AVE	ENE 1/4 - 1/2 (0.427 mi.)	AP447	108
BEDFORD AUTO SALES	984 MYRTLE AVE	SE 1/4 - 1/2 (0.497 mi.)	471	114

Lists of state and tribal leaking storage tanks

NY LTANKS: A review of the NY LTANKS list, as provided by EDR, and dated 03/15/2022 has revealed that there are 31 NY LTANKS sites within approximately 0.5 miles of the target property.

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PFIZER INC/GERRY ST Spill Number/Closed Date: 9203348 / 1992-06-22 Site ID: 204940 Spill Date: 1992-06-19	PFIZER INC/GERRY ST	SE 0 - 1/8 (0.013 mi.)	A9	9
255 WALLABOUT ST/PFI Spill Number/Closed Date: 9005003 / 2006-11-14 Site ID: 219704 Spill Date: 1990-08-06	255 WALLABOUT STREET	WSW 0 - 1/8 (0.091 mi.)	G175	43
FORMER PFIZER PROPER Spill Number/Closed Date: 9901811 / 2006-03-31 Site ID: 201034 Spill Date: 1999-05-17	***630 FLUSHING AVE***	***S 0 - 1/8 (0.115 mi.)***	***H236***	***57***
CLOSED-LACKOF RECENT Spill Number/Closed Date: 8707623 / 2003-03-04 Site ID: 102990 Spill Date: 1987-12-05	113 THROOP AVE	ESE 1/8 - 1/4 (0.155 mi.)	R308	73
LINDSAY PARK HOUSING Spill Number/Closed Date: 0906148 / 2010-10-27 Site ID: 418462 Spill Date: 2009-08-26	54 BOERUM ST	NNE 1/8 - 1/4 (0.187 mi.)	358	85
CONSTRUCTION SITE Spill Number/Closed Date: 0505009 / 2005-11-04 Site ID: 349949 Spill Date: 2005-07-26	***420 MARCY AVE***	***WSW 1/8 - 1/4 (0.190 mi.)***	***AB359***	***85***
35 GRAHM AVE. Spill Number/Closed Date: 9302281 / 1993-05-19 Site ID: 68726 Spill Date: 1993-05-19	35 GRAHM AVE	ENE 1/4 - 1/2 (0.278 mi.)	426	101
UNITED STATES ARMORY Spill Number/Closed Date: 8806820 / 1992-10-07 Site ID: 135895 Spill Date: 1988-11-15	***355 MARCY AVENUE***	***WNW 1/4 - 1/2 (0.284 mi.)***	***427***	***102***
ENGINE CO. 216/LADD. Spill Number/Closed Date: 8607159 / 2005-01-13 Site ID: 188778 Spill Date: 1987-02-24	***187 UNION AVENUE***	***NNW 1/4 - 1/2 (0.293 mi.)***	***AL429***	***103***
BROOKLYN NORTH 03/03 Spill Number/Closed Date: 8809462 / 2005-03-02 Spill Number/Closed Date: 0001698 / 2008-06-23 Spill Number/Closed Date: 9601941 / 2005-03-02 Site ID: 132862 Site ID: 127996 Site ID: 127997 Spill Date: 1988-11-02 Spill Date: 2000-04-21 Spill Date: 1996-05-09	***306 RUTLEDGE STREET***	***NW 1/4 - 1/2 (0.300 mi.)***	***431***	***103***
JOHNSON AVE. & BROAD Spill Number/Closed Date: 9305896 / 1993-08-13 Site ID: 215550 Spill Date: 1993-08-13	JOHNSON AVE AND BROA	NNW 1/4 - 1/2 (0.310 mi.)	AL432	104
209 UNION AVENUE	209 UNION AVE - 90TH	NNW 1/4 - 1/2 (0.366 mi.)	AN436	104

Spill Number/Closed Date: 9502048 / 1995-05-18
Site ID: 322916
Spill Date: 1995-05-18

90 PRECINCT NYPD -DD ***209 UNION AVENUE*** ***NNW 1/4 - 1/2 (0.366 mi.)*** ***AN437*** ***105***
Spill Number/Closed Date: 8606252 / 2005-01-10
Site ID: 85755
Spill Date: 1987-01-07

BUSHWICK -NYCHA ***24 HUMBOLDT STREET*** ***E 1/4 - 1/2 (0.383 mi.)*** ***439*** ***105***
Spill Number/Closed Date: 9505310 / 2005-11-02
Site ID: 315418
Spill Date: 1995-07-31

30 WARSOFF PLACE/BKL 30 WARSOFF PLACE SW 1/4 - 1/2 (0.389 mi.) 441 106
Spill Number/Closed Date: 8708592 / 1992-09-30
Site ID: 228023
Spill Date: 1988-01-07

MARCY HOUSES -NYCHA 603 PARK AVE SW 1/4 - 1/2 (0.424 mi.) AO445 107
Spill Number/Closed Date: 9607616 / 2005-12-09
Spill Number/Closed Date: 9611167 / 2007-12-11
Spill Number/Closed Date: 9614725 / 2007-12-11
Spill Number/Closed Date: 9315457 / 2016-01-20
Site ID: 215887
Site ID: 215888
Site ID: 215889
Site ID: 274622
Spill Date: 1996-09-17
Spill Date: 1996-12-10
Spill Date: 1997-03-21
Spill Date: 1992-07-07

MARCY HOUSES -NYCHA 603 PARK AVE SW 1/4 - 1/2 (0.424 mi.) AO446 107
Spill Number/Closed Date: 0100526 / 2003-12-09
Site ID: 274620
Spill Date: 2001-04-13

BORINQUEN PLAZA ***110 HUMBOLDT STREET*** ***ENE 1/4 - 1/2 (0.429 mi.)*** ***AP448*** ***108***
Spill Number/Closed Date: 9605290 / 2010-11-10
Site ID: 86456
Spill Date: 1996-07-24

COMMERCIAL BUILDING 544 PARK AVE SW 1/4 - 1/2 (0.435 mi.) AS452 109
Spill Number/Closed Date: 0613501 / 2008-07-01
Site ID: 378545
Spill Date: 2007-03-15

BORINQUEN PLAZA ***120 HUMBOLDT STREET*** ***NE 1/4 - 1/2 (0.440 mi.)*** ***AT455*** ***110***
Spill Number/Closed Date: 9807939 / 2010-10-28
Site ID: 201928
Spill Date: 1998-09-29

CONSOLIDATED EDISON ***130 HUMBOLDT ST & MC*** ***NE 1/4 - 1/2 (0.448 mi.)*** ***AT458*** ***111***
Spill Number/Closed Date: 9905903 / 2004-01-08
Spill Number/Closed Date: 9402292 / 2004-01-08
Site ID: 233389
Site ID: 74795
Spill Date: 1999-08-17
Spill Date: 1994-05-16

MOST HOLY TRINITY RE ***157 GRAHAM AVE*** ***NNE 1/4 - 1/2 (0.450 mi.)*** ***459*** ***111***

Spill Number/Closed Date: 0306650 / 2006-08-25
Site ID: 131344
Spill Date: 2003-09-23

CONWAY/EMPTY BUILDIN — 815 BROADWAY — ESE 1/4 - 1/2 (0.450 mi.) — 460 — 111
Spill Number/Closed Date: 1215990 / 2015-01-20
Site ID: 479335
Spill Date: 2013-03-01

CON ED — ***130 MOORE ST*** — ***ENE 1/4 - 1/2 (0.451 mi.)*** — ***461*** — ***112***
Spill Number/Closed Date: 0303435 / 2003-07-02
Site ID: 264329
Spill Date: 2003-07-02

CON EDISON — ***155 SIEGEL ST*** — ***ENE 1/4 - 1/2 (0.453 mi.)*** — ***AP462*** — ***112***
Spill Number/Closed Date: 9100258 / 1998-01-12
Spill Number/Closed Date: 9711438 / 2010-07-12
Site ID: 327446
Site ID: 327447
Spill Date: 1991-04-05
Spill Date: 1998-01-12

14 SPENCER ST/NORELL — 14 SPENCER STREET — WSW 1/4 - 1/2 (0.484 mi.) — 468 — 113
Spill Number/Closed Date: 8910010 / 2003-02-13
Site ID: 81726
Spill Date: 1990-01-18

BORINQUEN HOUSES — ***330 BUSHWICK AVENUE*** — ***ENE 1/4 - 1/2 (0.486 mi.)*** — ***469*** — ***114***
Spill Number/Closed Date: 9601914 / 2005-12-09
Site ID: 63348
Spill Date: 1996-05-08

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONSTRUCTION SITE Spill Number/Closed Date: 9710662 / 2003-03-07 Site ID: 162103 Spill Date: 1997-12-18	5 WALTON AVE	WSW 1/8 - 1/4 (0.234 mi.)	AI398	94
NOSTRAND AVE & FLUSH Spill Number/Closed Date: 9309562 / 1993-11-08 Site ID: 170265 Spill Date: 1993-11-08	NOSTRAND AVE & FLUSH	WSW 1/4 - 1/2 (0.327 mi.)	AM433	104
CLOSED-LACKOF RECENT Spill Number/Closed Date: 8801005 / 2003-03-05 Site ID: 324576 Spill Date: 1988-05-02	204 WALLABOUT ST	WSW 1/4 - 1/2 (0.377 mi.)	438	105
SPILL NUMBER 9812897 Spill Number/Closed Date: 9812897 / 2002-10-17 Site ID: 71985 Spill Date: 1999-01-20	2 LYCH ST	WSW 1/4 - 1/2 (0.483 mi.)	467	113

Lists of state and tribal registered storage tanks

NY UST: A review of the NY UST list, as provided by EDR, has revealed that there are 27 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PFIZER INC. SITE BAN Database: UST, Date of Government Version: 12/16/2021	60-66 GERRY STREET	SSE 0 - 1/8 (0.035 mi.)	A45	17
PFIZER INC. BROOKLYN Database: UST, Date of Government Version: 12/16/2021	80 GERRY STREET	ESE 0 - 1/8 (0.044 mi.)	B65	21
160-163 HARRISON AVE Database: UST, Date of Government Version: 12/16/2021	86-90 WALTON STREET	NW 0 - 1/8 (0.046 mi.)	C73	22
HOO CORP. Database: UST, Date of Government Version: 12/16/2021	94 WALLTON STREET	NNW 0 - 1/8 (0.047 mi.)	C80	24
78 THROOP AVE Database: UST, Date of Government Version: 12/16/2021	78 THROOP AVENUE	ENE 0 - 1/8 (0.070 mi.)	D130	34
J&M AUTO SERVICE COR Database: UST, Date of Government Version: 12/16/2021	30 BARTLETT STREET	SE 0 - 1/8 (0.089 mi.)	F168	42
ZBL BARTLETT LLC Database: UST, Date of Government Version: 12/16/2021	24-28 BARTLETT STREE	SE 0 - 1/8 (0.089 mi.)	F172	43
BARTLETT HARRISON ES Database: UST, Date of Government Version: 12/16/2021	207 HARRISON AVENUE	SSE 0 - 1/8 (0.097 mi.)	H184	45
70 UNION AVENUE Database: UST, Date of Government Version: 12/16/2021	70 UNION AVENUE	W 0 - 1/8 (0.102 mi.)	I192	47
BP SERVICE STATION # Database: UST, Date of Government Version: 12/16/2021	655 FLUSHING AVENUE	SSE 0 - 1/8 (0.108 mi.)	H203	49
ACP BK I, LLC Database: UST, Date of Government Version: 12/16/2021	630 FLUSHING AVENUE	S 0 - 1/8 (0.115 mi.)	H234	57
SUSION DEVELPORS LLC Database: UST, Date of Government Version: 12/16/2021	594 BROADWAY	NNE 0 - 1/8 (0.123 mi.)	L257	62
165-169 LORIMER STRE Database: UST, Date of Government Version: 12/16/2021	165-169 LORIMER STRE	NNW 0 - 1/8 (0.124 mi.)	N260	63
WALTON APARTMENTS Database: UST, Date of Government Version: 12/16/2021	63 WALTON STREET	W 1/8 - 1/4 (0.127 mi.)	I266	64
THROOP AVENUE / BART Database: UST, Date of Government Version: 12/16/2021	THROOP AVENUE / BART	ESE 1/8 - 1/4 (0.129 mi.)	K268	64
M.B.M. MFG. Database: UST, Date of Government Version: 12/16/2021	70 LORIMER STREET	W 1/8 - 1/4 (0.139 mi.)	I282	67
ALL SAINTS R C CHURC Database: UST, Date of Government Version: 12/16/2021	***115 THROOP AVE***	***ESE 1/8 - 1/4 (0.157 mi.)***	***R310***	***74***
EMS BATT 57 @ WOODHU Database: UST, Date of Government Version: 12/16/2021	131 THROOP AVENUE	ESE 1/8 - 1/4 (0.173 mi.)	R333	80
429 MARCY AVENUE Database: UST, Date of Government Version: 12/16/2021	429 MARCY AVENUE	WSW 1/8 - 1/4 (0.175 mi.)	Q334	80
GEORGE ROYH Database: UST, Date of Government Version: 12/16/2021	116 UNION AVENUE	NW 1/8 - 1/4 (0.176 mi.)	Z340	81
ANTONIA GONSALIS Database: UST, Date of Government Version: 12/16/2021	118-120 HARRISON AVE	WNW 1/8 - 1/4 (0.178 mi.)	AA343	82

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KNIGHTS COLLISION RE Database: UST, Date of Government Version: 12/16/2021	120- 150 UNION AVENU	NNW 1/8 - 1/4 (0.186 mi.)	Z357	85
LUDWIG INDUSTRIES, I Database: UST, Date of Government Version: 12/16/2021	133 MIDDLETON STREET	WNW 1/8 - 1/4 (0.212 mi.)	V374	89
LINDSAY PARK HOUSING Database: UST, Date of Government Version: 12/16/2021	31 LEONARD STREET	NNE 1/8 - 1/4 (0.224 mi.)	387	92
EMS @ WOODHULL HOSPI Database: UST, Date of Government Version: 12/16/2021	720 FLUSHING AVE	ESE 1/8 - 1/4 (0.225 mi.)	AD388	92
545 BROADWAY ASSOCIA Database: UST, Date of Government Version: 12/16/2021	531 BROADWAY	NNW 1/8 - 1/4 (0.228 mi.)	AG390	92
BP SERVICE STATION # Database: UST, Date of Government Version: 12/16/2021	***152 UNION AVENUE***	***NNW 1/8 - 1/4 (0.237 mi.)***	***AG407***	***97***

NY CBS: A review of the NY CBS list, as provided by EDR, and dated 12/16/2021 has revealed that there is 1 NY CBS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PFIZER INC. BROOKLYN Facility Status: Unregulated/Closed CBS Number: 2-000082	***630 FLUSHING AVENUE***	***S 0 - 1/8 (0.115 mi.)***	***H233***	***56***

NY AST: A review of the NY AST list, as provided by EDR, has revealed that there are 16 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 38,TAXBLOCK 2250 Database: AST, Date of Government Version: 12/16/2021 Facility Id: 2-481343	***307 WALLABOUT STREET***	***NNE 0 - 1/8 (0.046 mi.)***	***A71***	***22***
MAGIC AUTO REPAIR SH Database: AST, Date of Government Version: 12/16/2021 Facility Id: 2-610019	398 WALLABOUT STREET	NE 0 - 1/8 (0.054 mi.)	D90	26
I.S. 318 - BROOKLYN Database: AST, Date of Government Version: 12/16/2021 Facility Id: 2-355682	101 WALTON STREET	NW 0 - 1/8 (0.061 mi.)	C98	27
29-31 BARTLETT STREE Database: AST, Date of Government Version: 12/16/2021 Facility Id: 2-611766	29-31 BARTLETT STREE	SSE 0 - 1/8 (0.069 mi.)	B114	31
SOSA DIAGNOSTIC REPA Database: AST, Date of Government Version: 12/16/2021 Facility Id: 2-610529	620 BROADWAY	NE 0 - 1/8 (0.115 mi.)	J231	56
PFIZER INC. BROOKLYN Database: AST, Date of Government Version: 12/16/2021 Facility Id: 2-000082	***630 FLUSHING AVENUE***	***S 0 - 1/8 (0.115 mi.)***	***H233***	***56***
FORMER PFIZER PROPER Database: AST, Date of Government Version: 12/16/2021	***630 FLUSHING AVE***	***S 0 - 1/8 (0.115 mi.)***	***H236***	***57***

Facility Id: 2-017329

UNITED TALMUDICAL AC Database: AST, Date of Government Version: 12/16/2021 Facility Id: 2-611321	110 THROOP AVENUE	ESE 1/8 - 1/4 (0.143 mi.)	K294	70
ALL SAINTS R C CHURC Database: AST, Date of Government Version: 12/16/2021 Facility Id: 2-364673	***115 THROOP AVE***	***ESE 1/8 - 1/4 (0.157 mi.)***	***R310***	***74***
ULTIMATE AUTO REPAIR Database: AST, Date of Government Version: 12/16/2021 Facility Id: 2-605910	45 WALTON STREET	WSW 1/8 - 1/4 (0.158 mi.)	Q311	74
EMS BATT 57 @ WOODHU Database: AST, Date of Government Version: 12/16/2021 Facility Id: 2-609575	131 THROOP AVENUE	ESE 1/8 - 1/4 (0.173 mi.)	R329	79
KNIGHTS COLLISION RE Database: AST, Date of Government Version: 12/16/2021 Facility Id: 2-608507	120- 150 UNION AVENU	NNW 1/8 - 1/4 (0.186 mi.)	Z355	84
709-715 FLUSHING AVE Database: AST, Date of Government Version: 12/16/2021 Facility Id: 2-610576	709-715 FLUSHING AVE	ESE 1/8 - 1/4 (0.207 mi.)	AD370	88
545 BROADWAY ASSOCIA Database: AST, Date of Government Version: 12/16/2021 Facility Id: 2-603629	531 BROADWAY	NNW 1/8 - 1/4 (0.228 mi.)	AG391	92
252 HEYWARD STREET Database: AST, Date of Government Version: 12/16/2021 Facility Id: 2-466867	252 HEYWARD STREET	NW 1/8 - 1/4 (0.249 mi.)	423	101

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
LEE GARNES Database: AST, Date of Government Version: 12/16/2021 Facility Id: 2-603290	5 WALTON STREET	WSW 1/8 - 1/4 (0.234 mi.)	AI397	94

NY CBS AST: A review of the NY CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 NY CBS AST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
PFIZER INC. BROOKLYN Facility Status: 1 Facility Status: 1 CBS Number: 2-000082	***630 FLUSHING AVENUE***	***S 0 - 1/8 (0.115 mi.)***	***H233***	***56***

NY TANKS: A review of the NY TANKS list, as provided by EDR, has revealed that there is 1 NY TANKS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
NYNEX Database: TANKS, Date of Government Version: 12/16/2021	18 BOERUM STREET	N 1/8 - 1/4 (0.230 mi.)	AG393	93

EXECUTIVE SUMMARY

Facility Id: 2-344443
Site Status: Inactive

State and tribal institutional control / engineering control registries

NY RES DECL: A review of the NY RES DECL list, as provided by EDR, has revealed that there are 2 NY RES DECL sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 4,TAXBLOCK 2250	***161 HARRISON AVENUE***	***WNW 0 - 1/8 (0.042 mi.)***	***C61***	***20***
Database: ENV RES DECL, Date of Government Version: 11/23/2021				
LOT 10,TAXBLOCK 2250	***88 WALTON STREET***	***NW 0 - 1/8 (0.045 mi.)***	***C69***	***21***
Database: ENV RES DECL, Date of Government Version: 11/23/2021				

NY ENG CONTROLS: A review of the NY ENG CONTROLS list, as provided by EDR, and dated 02/08/2022 has revealed that there are 3 NY ENG CONTROLS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PFIZER SITES B AND D	***59-71 GERRY ST. AND***	***SE 0 - 1/8 (0.016 mi.)***	***A14***	***10***
Site Code: 58206				
FORMER PFIZER SITE A	***243-271 WALLABOUT ST***	***WSW 0 - 1/8 (0.112 mi.)***	***G215***	***52***
Site Code: 576972				
FORMER CASCADE LAUND	***553 MARCY AVENUE***	***S 1/4 - 1/2 (0.402 mi.)***	***442***	***106***
Site Code: 495614				

NY INST CONTROL: A review of the NY INST CONTROL list, as provided by EDR, and dated 02/08/2022 has revealed that there are 3 NY INST CONTROL sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PFIZER SITES B AND D	***59-71 GERRY ST. AND***	***SE 0 - 1/8 (0.016 mi.)***	***A14***	***10***
Site Code: 58206				
FORMER PFIZER SITE A	***243-271 WALLABOUT ST***	***WSW 0 - 1/8 (0.112 mi.)***	***G215***	***52***
Site Code: 576972				
FORMER CASCADE LAUND	***553 MARCY AVENUE***	***S 1/4 - 1/2 (0.402 mi.)***	***442***	***106***
Site Code: 495614				

EXECUTIVE SUMMARY

Lists of state and tribal voluntary cleanup sites

NY VCP: A review of the NY VCP list, as provided by EDR, has revealed that there are 40 NY VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
376-382 WALLABOUT ST Database: VCP NYC, Date of Government Version: 12/06/2021	376 WALLABOUT STREET	NNE 0 - 1/8 (0.002 mi.)	A3	8
PFIZER SITES B AND D Database: VCP, Date of Government Version: 02/08/2022 Site Code: 58206	***59-71 GERRY ST. AND***	***SE 0 - 1/8 (0.016 mi.)***	***A14***	***10***
386-388 WALLABOUT ST Database: VCP NYC, Date of Government Version: 12/06/2021	386 WALLABOUT STREET	NE 0 - 1/8 (0.025 mi.)	A21	12
299-301 WALLABOUT ST Database: VCP NYC, Date of Government Version: 12/06/2021	299 WALLABOUT STREET	N 0 - 1/8 (0.030 mi.)	A34	15
390 WALLABOUT STREET Database: VCP NYC, Date of Government Version: 12/06/2021	390 WALLABOUT STREET	NE 0 - 1/8 (0.035 mi.)	A42	16
161 HARRISON AVENUE Database: VCP NYC, Date of Government Version: 12/06/2021	161 HARRISON AVENUE	WNW 0 - 1/8 (0.042 mi.)	C60	20
86-90 WALTON STREET Database: VCP NYC, Date of Government Version: 12/06/2021	90 WALTON STREET	NW 0 - 1/8 (0.045 mi.)	C67	21
313 WALLABOUT STREET Database: VCP NYC, Date of Government Version: 12/06/2021	313 WALLABOUT STREET	NNE 0 - 1/8 (0.057 mi.)	E95	27
82 THROOP AVENUE - D Database: VCP NYC, Date of Government Version: 12/06/2021	82 THROOP AVENUE	ENE 0 - 1/8 (0.068 mi.)	D108	29
72 THROOP AVENUE Database: VCP NYC, Date of Government Version: 12/06/2021	72 THROOP AVENUE	NE 0 - 1/8 (0.069 mi.)	D120	32
74 THROOP AVE Database: VCP NYC, Date of Government Version: 12/06/2021	74 THROOP AVE	NE 0 - 1/8 (0.069 mi.)	D123	32
78-80 THROOP AVENUE Database: VCP NYC, Date of Government Version: 12/06/2021	78 THROOP AVENUE	ENE 0 - 1/8 (0.070 mi.)	D131	34
116 WALTON STREET Database: VCP NYC, Date of Government Version: 12/06/2021	116 WALTON STREET	N 0 - 1/8 (0.070 mi.)	E134	35
52-56 THROOP AVENUE Database: VCP NYC, Date of Government Version: 12/06/2021	52 THROOP AVENUE	N 0 - 1/8 (0.082 mi.)	E153	38
24 BARTLETT STREET Database: VCP NYC, Date of Government Version: 12/06/2021	24 BARTLETT STREET	SE 0 - 1/8 (0.089 mi.)	F170	42
16 BARTLETT STREET Database: VCP NYC, Date of Government Version: 12/06/2021	16 BARTLETT STREET	SSE 0 - 1/8 (0.092 mi.)	H179	44
661 FLUSHING AVENUE Database: VCP NYC, Date of Government Version: 12/06/2021	661 FLUSHING AVENUE	SSE 0 - 1/8 (0.106 mi.)	H201	49
FORMER PFIZER PROPER Database: VCP, Date of Government Version: 02/08/2022 Site Code: 56802	***630 FLUSHING AVE***	***S 0 - 1/8 (0.115 mi.)***	***H236***	***57***
7 WHIPPLE STREET Database: VCP NYC, Date of Government Version: 12/06/2021	7 WHIPPLE STREET	SE 0 - 1/8 (0.118 mi.)	M247	60
151 LORIMER STREET - Database: VCP NYC, Date of Government Version: 12/06/2021	151 LORIMER STREET	NW 0 - 1/8 (0.120 mi.)	N253	61

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
153 LORIMER STREET Database: VCP NYC, Date of Government Version: 12/06/2021	153 LORIMER STREET	NW 0 - 1/8 (0.121 mi.)	N254	61
169 LORIMER STREET Database: VCP NYC, Date of Government Version: 12/06/2021	169 LORIMER STREET	NNW 1/8 - 1/4 (0.126 mi.)	O265	64
89 UNION AVENUE Database: VCP NYC, Date of Government Version: 12/06/2021	89 UNION AVENUE	WNW 1/8 - 1/4 (0.137 mi.)	N277	66
100 UNION AVENUE - D Database: VCP NYC, Date of Government Version: 12/06/2021	100 UNION AVENUE	NW 1/8 - 1/4 (0.138 mi.)	N279	67
47 WALTON STREET Database: VCP NYC, Date of Government Version: 12/06/2021	47 WALTON STREET	W 1/8 - 1/4 (0.147 mi.)	Q300	72
196 MIDDLETON STREET Database: VCP NYC, Date of Government Version: 12/06/2021	196 MIDDLETON STREET	NNW 1/8 - 1/4 (0.150 mi.)	O301	72
45 WALTON STREET Database: VCP NYC, Date of Government Version: 12/06/2021	45 WALTON STREET	WSW 1/8 - 1/4 (0.150 mi.)	Q305	73
415-419 MARCY AVENUE Database: VCP NYC, Date of Government Version: 12/06/2021	419 MARCY AVENUE	WSW 1/8 - 1/4 (0.181 mi.)	Q348	83
120 UNION AVENUE Database: VCP NYC, Date of Government Version: 12/06/2021	120 UNION AVENUE	NNW 1/8 - 1/4 (0.186 mi.)	Z354	84
171 THROOP AVENUE Database: VCP NYC, Date of Government Version: 12/06/2021	171 THROOP AVENUE	SE 1/4 - 1/2 (0.257 mi.)	AJ424	101
179 THROOP AVENUE Database: VCP NYC, Date of Government Version: 12/06/2021	179 THROOP AVENUE	SE 1/4 - 1/2 (0.272 mi.)	AJ425	101
901 MYRTLE AVE Database: VCP NYC, Date of Government Version: 12/06/2021	901 MYRTLE AVENUE	S 1/4 - 1/2 (0.407 mi.)	443	107
922 MYRTLE AVENUE Database: VCP NYC, Date of Government Version: 12/06/2021	922 MYRTLE AVENUE	SSE 1/4 - 1/2 (0.443 mi.)	457	110
948 MYRTLE AVENUE Database: VCP NYC, Date of Government Version: 12/06/2021	948 MYRTLE AVENUE	SSE 1/4 - 1/2 (0.455 mi.)	463	112
802-806 MYRTLE AVENU Database: VCP NYC, Date of Government Version: 12/06/2021	806 MYRTLE AVENUE	SSW 1/4 - 1/2 (0.468 mi.)	465	113
74 VERNON AVENUE Database: VCP NYC, Date of Government Version: 12/06/2021	74 VERNON AVENUE	S 1/4 - 1/2 (0.495 mi.)	470	114

Lower Elevation	Address	Direction / Distance	Map ID	Page
PFIZER (ORGANICS/SUC Database: VCP, Date of Government Version: 02/08/2022 Site Code: 58107	CENTRAL PORTION OF P	SSW 1/8 - 1/4 (0.127 mi.)	267	64
242 WALLABOUT STREET Database: VCP NYC, Date of Government Version: 12/06/2021	242 WALLABOUT STREET	WSW 1/4 - 1/2 (0.299 mi.)	AK430	103
535 FLUSHING AVE. Database: VCP NYC, Date of Government Version: 12/06/2021	535 FLUSHING AVENUE	WSW 1/4 - 1/2 (0.332 mi.)	AM434	104
527 FLUSHING AVENUE Database: VCP NYC, Date of Government Version: 12/06/2021	527 FLUSHING AVENUE	WSW 1/4 - 1/2 (0.346 mi.)	AM435	104

EXECUTIVE SUMMARY

Lists of state and tribal brownfield sites

NY BROWNFIELDS: A review of the NY BROWNFIELDS list, as provided by EDR, and dated 02/08/2022 has revealed that there are 16 NY BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
"SITE B" PFIZER Site Code: 333571	59-71 GERRY STREET A	SE 0 - 1/8 (0.016 mi.)	A13	10
297 WALLABOUT STREET Site Code: 613167	295-297 WALLABOUT ST	N 0 - 1/8 (0.028 mi.)	A27	13
297 WALLABOUT STREET Site Code: 595787	295-297 WALLABOUT ST	N 0 - 1/8 (0.028 mi.)	A30	14
FORMER JUST4WHEELS S Site Code: 616660	89-91 GERRY STREET	E 0 - 1/8 (0.037 mi.)	A47	17
FORMER JUST4WHEELS S Site Code: 618464	***93 GERRY STREET***	***ENE 0 - 1/8 (0.041 mi.)***	***A59***	***20***
BROADWAY TRIANGLE SI Site Code: 623113	663-667 FLUSHING AVE	SSE 0 - 1/8 (0.108 mi.)	H209	51
FORMER PFIZER SITE A Site Code: 576972	***243-271 WALLABOUT ST***	***WSW 0 - 1/8 (0.112 mi.)***	***G215***	***52***
100 UNION AVENUE RED Site Code: 569083	***100 UNION AVENUE***	***NW 1/8 - 1/4 (0.138 mi.)***	***N278***	***66***
FORMER CASCADE LAUND Site Code: 495614	***553 MARCY AVENUE***	***S 1/4 - 1/2 (0.402 mi.)***	***442***	***106***
159 BOERUM STREET Site Code: 582502	159 BOERUM STREET	NE 1/4 - 1/2 (0.420 mi.)	444	107
FORMER TECHTRONICS S Site Code: 578363	***480 FLUSHING AVENUE***	***WSW 1/4 - 1/2 (0.430 mi.)***	***AQ449***	***108***
TOP HAT CLEANERS Site Code: 593072	***152 GRAHAM AVENUE***	***NE 1/4 - 1/2 (0.430 mi.)***	***AR450***	***108***
TOLDOS YEHUDAH LLC Site Code: 552969	***8 WALWORTH ST***	***WSW 1/4 - 1/2 (0.439 mi.)***	***AQ453***	***109***
11 SPENCER STREET Site Code: 503018	***11 SPENCER STREET***	***WSW 1/4 - 1/2 (0.458 mi.)***	***AQ464***	***112***
12 SPENCER STREET Site Code: 576204	***12 SPENCER STREET***	***WSW 1/4 - 1/2 (0.478 mi.)***	***AQ466***	***113***

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOT 14,TAXBLOCK 2265 Site Code: 579698	***334 WALLABOUT STREET***	***SW 0 - 1/8 (0.095 mi.)***	***G181***	***44***

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

NY Spills: A review of the NY Spills list, as provided by EDR, and dated 03/15/2022 has revealed that there are 39 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SERVICE BOX # 7967 Spill Number/Closed Date: 0505280 / 2005-09-28 Site ID: 350231 Spill Date: 2005-07-29	285 WALLABOUT ST	NW 0 - 1/8 (0.015 mi.)	A10	10
VENT PIPE Spill Number/Closed Date: 1110386 / 2014-06-09 Site ID: 458220 Spill Date: 2011-11-21	63 GREY ROAD	SE 0 - 1/8 (0.022 mi.)	A20	12
EMPTY LOT Spill Number/Closed Date: 9704207 / 2006-11-14 Spill Number/Closed Date: 9516449 / 2000-02-02 Site ID: 218170 Site ID: 137143 Spill Date: 1996-05-14 Spill Date: 1996-03-21	73-87 GERRY STREET	E 0 - 1/8 (0.026 mi.)	A24	13
58 GERRY ST LLC Spill Number/Closed Date: 1707889 / 2021-03-30 Site ID: 564269 Spill Date: 2017-11-17	58 GERRY ST	SSE 0 - 1/8 (0.036 mi.)	B46	17
MANHOLE 468 Spill Number/Closed Date: 0005173 / 2001-10-25 Site ID: 285893 Spill Date: 2000-07-31	WALLABOUT ST/HARRISO	WSW 0 - 1/8 (0.040 mi.)	A52	18
UNDER GROUND TRANFOR Spill Number/Closed Date: 1508657 / 2016-02-10 Site ID: 517229 Spill Date: 2015-11-20	HARRISON AVE AND GER	S 0 - 1/8 (0.046 mi.)	B76	23
MANHOLE 1144 Spill Number/Closed Date: 0300137 / 2003-07-18 Site ID: 226631 Spill Date: 2003-04-04	GERRY ST/HARRISON AV	S 0 - 1/8 (0.047 mi.)	B78	23
DRUM RUN Spill Number/Closed Date: 0900534 / 2009-04-20 Site ID: 412477 Spill Date: 2009-04-15	GERRY ST & HARRISON	S 0 - 1/8 (0.047 mi.)	B79	23
398 WALLABOUT STREET Spill Number/Closed Date: 9912454 / 2005-01-28 Site ID: 152358 Spill Date: 2000-01-31	398 WALLABOUT ST	NE 0 - 1/8 (0.054 mi.)	D89	25
DEPT. OF HOUSING Spill Number/Closed Date: 0411736 / 2008-06-26	37 TO 39 BARTLETT ST	SE 0 - 1/8 (0.064 mi.)	B103	28

Site ID: 336926
Spill Date: 2005-02-02

ON GROUND Spill Number/Closed Date: 0411773 / 2008-06-26 Site ID: 337051 Spill Date: 2005-02-03	90-92 GERRY STREET	E 0 - 1/8 (0.068 mi.)	D109	29
29 BARTLETT STREET Spill Number/Closed Date: 9506117 / 1995-08-24 Site ID: 134249 Spill Date: 1995-08-17	29 BARTLETT STREET	SSE 0 - 1/8 (0.069 mi.)	B113	30
UNDERGROUND Spill Number/Closed Date: 1215332 / 2014-01-15 Site ID: 478626 Spill Date: 2013-02-05	78 THROOP AVE	ENE 0 - 1/8 (0.070 mi.)	D133	35
DRUM RUN Spill Number/Closed Date: 1311882 / 2014-05-13 Site ID: 492812 Spill Date: 2014-03-20	57 BARTLETT ST	ESE 0 - 1/8 (0.078 mi.)	F148	37
WALLABOUT STREET AND Spill Number/Closed Date: 9900765 / 1999-06-22 Site ID: 260055 Spill Date: 1999-04-20	THROOP AVE	NE 0 - 1/8 (0.082 mi.)	E157	39
PFIZER INC BROOKLYN Spill Number/Closed Date: 9505760 / 1995-08-10 Site ID: 278551 Spill Date: 1995-08-09	***13 BARTLETT STREET***	***SSE 0 - 1/8 (0.084 mi.)***	***B159***	***40***
BARTLETT ST & HARRIS Spill Number/Closed Date: 0330009 / 2003-05-16 Site ID: 60814 Spill Date: 2003-05-16	BARTLETT STREET/HARR	SSE 0 - 1/8 (0.086 mi.)	H164	41
MANHOLE #73645 Spill Number/Closed Date: 0504634 / 2005-09-23 Site ID: 349511 Spill Date: 2005-07-17	HARRISON AVE NEAR BA	SSE 0 - 1/8 (0.086 mi.)	H165	41
LOT 6,TAXBLOCK 2272 Spill Number/Closed Date: 1910386 / 2020-03-10 Site ID: 601024 Spill Date: 2020-02-05	***24 BARTLETT STREET***	***SE 0 - 1/8 (0.089 mi.)***	***F171***	***42***
SERVICE BOX 7192 Spill Number/Closed Date: 0010818 / 2002-01-11 Site ID: 295955 Spill Date: 2000-12-29	81 WALDEN ST	W 0 - 1/8 (0.091 mi.)	C177	44
LOT 33,TAXBLOCK 2269 Spill Number/Closed Date: 2001570 / Not Reported Site ID: 606219 Spill Date: 2020-06-03	***69 BARTLETT STREET***	***E 0 - 1/8 (0.095 mi.)***	***F182***	***45***
HYDRO TECH Spill Number/Closed Date: 9930010 / 2019-02-04 Spill Number/Closed Date: 0702983 / 2011-05-25 Site ID: 306367 Site ID: 382817	***70 UNION AVENUE***	***W 0 - 1/8 (0.102 mi.)***	***I191***	***47***

Spill Date: 1999-07-28
Spill Date: 2007-06-12

BP AMOCO STATION #12	655 FLUSHING AVE	SSE 0 - 1/8 (0.108 mi.)	H207	50
Spill Number/Closed Date: 0402082 / 2004-05-26				
Spill Number/Closed Date: 0104597 / 2021-03-26				
Spill Number/Closed Date: 8401982 / 2003-02-27				
Site ID: 264646				
Site ID: 196822				
Site ID: 196823				
Spill Date: 2004-05-25				
Spill Date: 2001-07-30				
Spill Date: 1984-10-26				
DRUM RUN	CORNER THROOP AVE AN	E 0 - 1/8 (0.112 mi.)	K213	51
Spill Number/Closed Date: 1000520 / 2010-05-05				
Site ID: 431688				
Spill Date: 2010-04-13				
BROADWAY TRIANGLE	THROOP AVE / BARTLET	E 0 - 1/8 (0.112 mi.)	K216	52
Spill Number/Closed Date: 9212706 / 1999-06-28				
Site ID: 194234				
Spill Date: 1993-01-31				
MANHOLE	HARRISON AVE AND FLU	SSE 0 - 1/8 (0.113 mi.)	H217	52
Spill Number/Closed Date: 1300013 / 2013-05-14				
Site ID: 480319				
Spill Date: 2013-04-01				
MANHOLE 20779	HARRISON AVE AND FLU	SSE 0 - 1/8 (0.113 mi.)	H218	53
Spill Number/Closed Date: 1300441 / 2013-07-08				
Site ID: 480768				
Spill Date: 2013-04-13				
VAULT 1336 & 1473	FLUSHING AVE & TOMPK	SSE 0 - 1/8 (0.113 mi.)	H219	53
Spill Number/Closed Date: 0211143 / 2003-09-29				
Site ID: 330346				
Spill Date: 2003-02-05				
TRANSFORMER VAULT 14	2 TOMPKINS AVE AT FL	SSE 0 - 1/8 (0.114 mi.)	H225	54
Spill Number/Closed Date: 0607919 / 2007-02-16				
Site ID: 371760				
Spill Date: 2006-10-11				
MANHOLE #42919	THOMPKINS & FLUSHING	SSE 0 - 1/8 (0.114 mi.)	H228	55
Spill Number/Closed Date: 0304585 / 2004-10-13				
Site ID: 65498				
Spill Date: 2003-07-30				
CONED MANHOLE #7420	FLUSHING/THOMPKINS	SSE 0 - 1/8 (0.114 mi.)	H229	55
Spill Number/Closed Date: 0401891 / 2004-09-09				
Site ID: 140065				
Spill Date: 2004-05-20				
ACP BK I LLC - 630 F	***630 FLUSHING AVE***	***S 0 - 1/8 (0.115 mi.)***	***H235***	***57***
Spill Number/Closed Date: 2009851 / 2021-03-26				
Site ID: 616867				
Spill Date: 2021-03-05				
FORMER PFIZER PROPER	***630 FLUSHING AVE***	***S 0 - 1/8 (0.115 mi.)***	***H236***	***57***
Spill Number/Closed Date: 0203912 / 2003-09-17				
Spill Number/Closed Date: 9505769 / 1995-08-10				

Spill Number/Closed Date: 0013515 / 2003-06-16
Spill Number/Closed Date: 9303325 / 2006-04-05
Spill Number/Closed Date: 1011062 / 2014-01-14
Site ID: 302547
Site ID: 302548
Site ID: 201032
Site ID: 201033
Site ID: 444686
Spill Date: 2002-07-14
Spill Date: 1995-08-09
Spill Date: 2001-03-27
Spill Date: 1993-06-14
Spill Date: 2011-02-01

MANHOLE 504	NW FLUSHING AVE/ BAR	S 0 - 1/8 (0.116 mi.)	H238	58
Spill Number/Closed Date: 0502983 / 2005-08-22				
Site ID: 347488				
Spill Date: 2005-06-11				
VS 2097	FLUSHING AVE/BARTLET	S 0 - 1/8 (0.116 mi.)	H239	58
Spill Number/Closed Date: 0501710 / 2005-08-11				
Site ID: 345859				
Spill Date: 2005-05-11				
MANHOLE #997	FLUSHING AVE & DELMO	S 0 - 1/8 (0.117 mi.)	H240	58
Spill Number/Closed Date: 9903465 / 1999-10-20				
Site ID: 172742				
Spill Date: 1999-06-25				
ELLAYAH DELI GROCERY	590 BROADWAY	NNE 0 - 1/8 (0.120 mi.)	L251	61
Spill Number/Closed Date: 1400390 / 2014-04-11				
Site ID: 493627				
Spill Date: 2014-04-11				
CITGO/ 594 BROADWAY	594 BROADWAY	NNE 0 - 1/8 (0.123 mi.)	L258	62
Spill Number/Closed Date: 9507227 / Not Reported				
Site ID: 74922				
Spill Date: 1995-08-31				

Lower Elevation	Address	Direction / Distance	Map ID	Page
32 GERRIS ST/JAKE'S	32 GERRIS ST	SSW 0 - 1/8 (0.091 mi.)	G178	44
Spill Number/Closed Date: 9203595 / 1992-06-26				
Site ID: 250832				
Spill Date: 1992-06-26				

Other Ascertainable Records

RCRA NonGen / NLR: A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 02/28/2022 has revealed that there are 81 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WALLABOUT BUILDINGS	***376-382 WALLABOUT ST***	***NNE 0 - 1/8 (0.002 mi.)***	***A1***	***8***

EPA ID:: NYR000203521				
CON EDISON SERVICE B	***372 WALLABOUT ST***	***W 0 - 1/8 (0.002 mi.)***	***A4***	***8***
EPA ID:: NYP004446217				
CON EDISON MANHOLE:	***378 WALLABOUT ST***	***NNE 0 - 1/8 (0.006 mi.)***	***A6***	***9***
EPA ID:: NYP004446282				
CON EDISON SERVICE B	***366 WALLABOUT ST***	***WSW 0 - 1/8 (0.015 mi.)***	***A11***	***10***
EPA ID:: NYP004446225				
295 W HOLDINGS LLC	295-297 WALLABOUT ST	N 0 - 1/8 (0.028 mi.)	A29	14
GERRY PROJECT	81-85 GERRY ST	E 0 - 1/8 (0.032 mi.)	A38	15
EPA ID:: NYR000220517				
CON EDISON SERVICE B	***HARRISON AVE & WALLA***	***WSW 0 - 1/8 (0.040 mi.)***	***A53***	***18***
EPA ID:: NYP004446290				
CON EDISON	***HARRISSON & WALLABOU***	***WSW 0 - 1/8 (0.040 mi.)***	***A55***	***19***
EPA ID:: NYP004743332				
V4821	***48 GERRY STREET***	***S 0 - 1/8 (0.046 mi.)***	***B70***	***21***
EPA ID:: NYP004034575				
HARRISON WALTON PROP	***86-90 WALTON ST***	***NW 0 - 1/8 (0.046 mi.)***	***C75***	***22***
EPA ID:: NYR000226365				
CON ED - MH 485	***GERRY ST & HARRISON***	***S 0 - 1/8 (0.046 mi.)***	***B77***	***23***
EPA ID:: NYP004006821				
VARTEX INSTRUMENT CO	***311 WALLABOUT ST***	***NNE 0 - 1/8 (0.052 mi.)***	***E85***	***24***
EPA ID:: NYR000084483				
IS 318	***101 WALTON ST***	***NW 0 - 1/8 (0.061 mi.)***	***C97***	***27***
EPA ID:: NYD986953461				
CON EDISON SERVICE B	***47 BARTLETT ST***	***ESE 0 - 1/8 (0.068 mi.)***	***B111***	***30***
EPA ID:: NYP004414231				
CON EDISON	***72-74 THROOP AVE & G***	***NE 0 - 1/8 (0.069 mi.)***	***D119***	***32***
EPA ID:: NYP004801981				
CON EDISON MANHOLE:	***HARRISON AVE & WALTO***	***WNW 0 - 1/8 (0.070 mi.)***	***C125***	***33***
EPA ID:: NYP004306916				
CON EDISON MANHOLE:	***WALTON ST & HARRISON***	***WNW 0 - 1/8 (0.070 mi.)***	***C126***	***33***
EPA ID:: NYP004306924				
CON EDISON SERVICE B	***49 BARTLET ST FRONT***	***ESE 0 - 1/8 (0.072 mi.)***	***F138***	***36***
EPA ID:: NYP004333621				
THROOP UNITS LLC	54 THROOP AVE	NNE 0 - 1/8 (0.082 mi.)	E155	39
EPA ID:: NYR000231548				
PFIZER INC BROOKLYN	***338 WALLABOUT ST***	***SW 0 - 1/8 (0.085 mi.)***	***G163***	***41***
EPA ID:: NY0000055384				
CON EDISON SERVICE B	***45 THROOP AVE***	***NNE 0 - 1/8 (0.097 mi.)***	***E183***	***45***
EPA ID:: NYP004409629				
HARRISON DRY CLEANER	***209 HARRISON AVE***	***SSE 0 - 1/8 (0.098 mi.)***	***H186***	***45***
EPA ID:: NYD045446994				
CON EDISON SERVICE B	***125 GERRY ST***	***ENE 0 - 1/8 (0.105 mi.)***	***J197***	***48***
EPA ID:: NYP004307450				
CON EDISON	***2 TOMPKINS AVE***	***SSE 0 - 1/8 (0.114 mi.)***	***H221***	***53***
EPA ID:: NYP004745469				
CON EDISON	2 TOMPKINS AVE	SSE 0 - 1/8 (0.114 mi.)	H222	54

EPA ID:: NYP004745261				
CON EDISON SERVICE B EPA ID:: NYP004410114	***147 WALTON ST***	***N 0 - 1/8 (0.115 mi.)***	***L230***	***55***
CON EDISON SERVICE B EPA ID:: NYP004512307	***622 BROADWAY***	***NE 0 - 1/8 (0.118 mi.)***	***J241***	***59***
CON EDISON SERVICE B EPA ID:: NYP004559654	622 BROADWAY	NE 0 - 1/8 (0.118 mi.)	J245	59
RICHARDS AUTO REPAIR EPA ID:: NYU005001185	***594 BROADWAY***	***NNE 0 - 1/8 (0.123 mi.)***	***L259***	***62***
CON EDISON EPA ID:: NYP004186920	***WHIPPLE ST & FLUSHIN***	***SE 1/8 - 1/4 (0.132 mi.)***	***M269***	***64***
CON EDISON - TM 1358 EPA ID:: NYP004111993	***THROOP AVE & LORIMER***	***N 1/8 - 1/4 (0.136 mi.)***	***L275***	***66***
CON EDISON SERVICE B EPA ID:: NYP004288635	***55 WALTON ST***	***W 1/8 - 1/4 (0.138 mi.)***	***Q281***	***67***
CON EDISON EPA ID:: NYP004829572	***76 BARTLETT ST***	***E 1/8 - 1/4 (0.141 mi.)***	***K284***	***68***
CON EDISON EPA ID:: NYP004794509	BROADWAY & GERRY ST	ENE 1/8 - 1/4 (0.141 mi.)	J287	69
CON EDISON EPA ID:: NYP004794491	***BROADWAY & GERRY ST***	***ENE 1/8 - 1/4 (0.141 mi.)***	***J291***	***69***
CON EDISON SERVICE B EPA ID:: NYP004334918	***18 WHIPPLE ST FRONT***	***ESE 1/8 - 1/4 (0.142 mi.)***	***M293***	***70***
CON EDISON EPA ID:: NYP004738043	***648 BROADWAY***	***ENE 1/8 - 1/4 (0.144 mi.)***	***J297***	***71***
CON EDISON EPA ID:: NYP004884868	***95 THROOP AVE***	***ESE 1/8 - 1/4 (0.145 mi.)***	***K299***	***71***
MTA NYCT - LORIMER S EPA ID:: NYR000082131	***LORIMER ST & BROADWA***	***N 1/8 - 1/4 (0.150 mi.)***	***L302***	***72***
CON EDISON MANHOLE: EPA ID:: NYP004436226	***LORIMER ST & BROADWA***	***N 1/8 - 1/4 (0.150 mi.)***	***L303***	***72***
CON EDISON EPA ID:: NYP004183687	***LORIMER ST & BROADWA***	***N 1/8 - 1/4 (0.150 mi.)***	***L304***	***72***
CON EDISON TRANSFORM EPA ID:: NYP004550265	34 WHIPPLE ST	ESE 1/8 - 1/4 (0.154 mi.)	R307	73
CON EDISON - VS 2314 EPA ID:: NYP004106852	***93 HOPKINS ST***	***SSE 1/8 - 1/4 (0.156 mi.)***	***S309***	***74***
CON EDISON EPA ID:: NYP004426862	***149 HOPKINS ST***	***SSE 1/8 - 1/4 (0.159 mi.)***	***S312***	***74***
CON EDISON EPA ID:: NYP004833097	***UNION AVE & MIDDLETO***	***NW 1/8 - 1/4 (0.160 mi.)***	***N314***	***75***
NYCTA - 22 THROOP AV EPA ID:: NY0000902171	***22 THROOP AVE***	***NNW 1/8 - 1/4 (0.161 mi.)***	***T316***	***75***
AVALON INDUSTRIES IN EPA ID:: NYD001233402	***95 LORIMER ST***	***W 1/8 - 1/4 (0.167 mi.)***	***V320***	***76***
CON EDISON	BARTLETT ST & BROADW	ENE 1/8 - 1/4 (0.169 mi.)	U321	77

EPA ID:: NYP004791927				
CON EDISON	***22-66 LEONARD ST***	***NE 1/8 - 1/4 (0.171 mi.)***	***W324***	***77***
EPA ID:: NYP004885196				
CON EDISON	***161 HOPKINS ST***	***SE 1/8 - 1/4 (0.172 mi.)***	***X327***	***78***
EPA ID:: NYP004884744				
CON EDISON	***131 THROOP AVE***	***ESE 1/8 - 1/4 (0.173 mi.)***	***R331***	***79***
EPA ID:: NYP004831042				
KNIGHTS COLLISION &	***120 UNION AVENUE***	***NNW 1/8 - 1/4 (0.186 mi.)***	***Z356***	***84***
EPA ID:: NYD012575643				
CGS BUILDER	***420 MARCY AVE***	***WSW 1/8 - 1/4 (0.190 mi.)***	***AB360***	***85***
EPA ID:: NYR000133769				
CON EDISON	***80 LORIMER ST***	***W 1/8 - 1/4 (0.193 mi.)***	***V363***	***86***
EPA ID:: NYP004758603				
CON EDISON	***THROOP AVE & FLUSHIN***	***ESE 1/8 - 1/4 (0.198 mi.)***	***R364***	***86***
EPA ID:: NYP004822066				
CON EDISON SERVICE B	***12 MANHATTAN AVE***	***ENE 1/8 - 1/4 (0.207 mi.)***	***U369***	***87***
EPA ID:: NYP004313276				
CON EDISON	135 MIDDLETON ST	WNW 1/8 - 1/4 (0.211 mi.)	AE372	88
EPA ID:: NYP004799268				
CON EDISON SERVICE B	***32 VARET ST***	***ENE 1/8 - 1/4 (0.229 mi.)***	***AH392***	***93***
EPA ID:: NYP004482386				
CON EDISON SERVICE B	***46 MANHATTAN AVE***	***NE 1/8 - 1/4 (0.232 mi.)***	***AH395***	***93***
EPA ID:: NYP004567442				
CON EDISON MANHOLE:	***MARCY AVE & MIDDLETO***	***W 1/8 - 1/4 (0.234 mi.)***	***AE399***	***94***
EPA ID:: NYP004302675				
CON EDISON SERVICE B	***MIDDLETON ST & MARCY***	***W 1/8 - 1/4 (0.234 mi.)***	***AE400***	***95***
EPA ID:: NYP004329744				
CON EDISON MANHOLE:	***MARCY AVE & MIDDLETO***	***W 1/8 - 1/4 (0.234 mi.)***	***AE401***	***95***
EPA ID:: NYP004331229				
CON EDISON	***164 THROOP AVE***	***SE 1/8 - 1/4 (0.234 mi.)***	***AC404***	***96***
EPA ID:: NYP004821365				
SERVICE STATION	***152 UNION AVE***	***NNW 1/8 - 1/4 (0.237 mi.)***	***AG406***	***96***
EPA ID:: NYD000824201				
CON EDISON	168 THROOP AVE	SE 1/8 - 1/4 (0.241 mi.)	AC411	98
EPA ID:: NYP004738357				
CON EDISON	***168 THROOP AVE***	***SE 1/8 - 1/4 (0.241 mi.)***	***AC412***	***98***
EPA ID:: NYP004738571				
VERIZON LOG 24051 MA	BROADWAY & BOERUM ST	NNW 1/8 - 1/4 (0.241 mi.)	AG416	99
EPA ID:: NYP000961722				
CON EDISON	BROADWAY & DEBEVOISE	E 1/8 - 1/4 (0.244 mi.)	AF417	99
EPA ID:: NYP004776399				
CON EDISON	***BROADWAY & DEBEVOISE***	***E 1/8 - 1/4 (0.244 mi.)***	***AF419***	***99***
EPA ID:: NYP004826572				
CON EDISON SERVICE B	***50 MANHATTAN AVE***	***NE 1/8 - 1/4 (0.247 mi.)***	***AH420***	***100***
EPA ID:: NYP004310744				
CON ED - VS 5285	***SEIGAL ST & MANHATTA***	***NE 1/8 - 1/4 (0.249 mi.)***	***422***	***100***

EPA ID:: NYP004006680

Lower Elevation	Address	Direction / Distance	Map ID	Page
TM2554 EPA ID:: NYP004046181	322 WALLABOUT STREET	WSW 1/8 - 1/4 (0.137 mi.)	P276	66
CON EDISON MANHOLE: EPA ID:: NYP004451639	***MARCY AVE & WALLABOU***	***WSW 1/8 - 1/4 (0.172 mi.)***	***P326***	***78***
CON EDISON MANHOLE: EPA ID:: NYP004451571	***MARCY AVE & FLUSHING***	***SW 1/8 - 1/4 (0.175 mi.)***	***Y336***	***80***
V2107 EPA ID:: NYP004018420	***2-48 GERRY***	***SW 1/8 - 1/4 (0.175 mi.)***	***Y338***	***81***
V1821 EPA ID:: NYP004018412	***2 GERRY STREET***	***SW 1/8 - 1/4 (0.175 mi.)***	***Y339***	***81***
CON EDISON EPA ID:: NYP004832735	MARCY AVE & WALTON S	WSW 1/8 - 1/4 (0.180 mi.)	AB344	82
CON EDISON MANHOLE: EPA ID:: NYP004473062	***442 MARCY AVE***	***SW 1/8 - 1/4 (0.180 mi.)***	***P347***	***82***
CON EDISON MANHOLE: EPA ID:: NYP004473013	***298 WALLABOUT AVE***	***SW 1/8 - 1/4 (0.185 mi.)***	***P352***	***83***
CON EDISON EPA ID:: NYP004184024	***274 WALLABOUT ST***	***WSW 1/8 - 1/4 (0.232 mi.)***	***AI396***	***94***
NYCTA - WALTON STREE EPA ID:: NYR000019547	***WALTON & WALLABOUT S***	***WSW 1/8 - 1/4 (0.241 mi.)***	***AI410***	***97***

FUDS: A review of the FUDS list, as provided by EDR, and dated 12/01/2021 has revealed that there are 2 FUDS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KOLLMORGAN OPTICAL		WSW 1/2 - 1 (0.610 mi.)	475	115
MERG LINOTYPE CO		WSW 1/2 - 1 (0.952 mi.)	482	117

NY DRYCLEANERS: A review of the NY DRYCLEANERS list, as provided by EDR, and dated 12/10/2021 has revealed that there is 1 NY DRYCLEANERS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HARRISON/YORKTOWN/AC Facility Id: 2-6104-00956	209 HARRISON AVENUE	SSE 0 - 1/8 (0.098 mi.)	H187	46

EXECUTIVE SUMMARY

NY E DESIGNATION: A review of the NY E DESIGNATION list, as provided by EDR, and dated 12/13/2021 has revealed that there are 102 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 14,TAXBLOCK 2266	376 WALLABOUT STREET	NNE 0 - 1/8 (0.002 mi.)	A2	8
LOT 15,TAXBLOCK 2266	378 WALLABOUT STREET	NNE 0 - 1/8 (0.006 mi.)	A5	9
LOT 49,TAXBLOCK 2266	GERRY STREET	ESE 0 - 1/8 (0.011 mi.)	A7	9
LOT 16,TAXBLOCK 2266	380 WALLABOUT STREET	NE 0 - 1/8 (0.011 mi.)	A8	9
LOT 9,TAXBLOCK 2266	366 WALLABOUT STREET	WSW 0 - 1/8 (0.015 mi.)	A12	10
LOT 17,TAXBLOCK 2266	382 WALLABOUT STREET	NE 0 - 1/8 (0.016 mi.)	A15	11
LOT 48,TAXBLOCK 2250	289 WALLABOUT STREET	NW 0 - 1/8 (0.018 mi.)	A16	11
LOT 46,TAXBLOCK 2250	291 WALLABOUT STREET	NNW 0 - 1/8 (0.018 mi.)	A17	11
LOT 1,TAXBLOCK 2266	HARRISON AVENUE	SSW 0 - 1/8 (0.019 mi.)	A18	11
LOT 18,TAXBLOCK 2266	384 WALLABOUT STREET	NE 0 - 1/8 (0.021 mi.)	A19	11
LOT 19,TAXBLOCK 2266	386 WALLABOUT STREET	NE 0 - 1/8 (0.025 mi.)	A22	12
LOT 45,TAXBLOCK 2250	WALLABOUT STREET	N 0 - 1/8 (0.027 mi.)	A25	13
LOT 45,TAXBLOCK 2266	GERRY STREET	E 0 - 1/8 (0.027 mi.)	A26	13
LOT 20,TAXBLOCK 2266	388 WALLABOUT STREET	NE 0 - 1/8 (0.030 mi.)	A32	14
LOT 44,TAXBLOCK 2250	299 WALLABOUT STREET	N 0 - 1/8 (0.030 mi.)	A35	15
LOT 41,TAXBLOCK 2266	GERRY STREET	E 0 - 1/8 (0.031 mi.)	A36	15
CON EDISON	***81 GERRY ST***	***E 0 - 1/8 (0.032 mi.)***	***A37***	***15***
LOT 43,TAXBLOCK 2250	301 WALLABOUT STREET	NNE 0 - 1/8 (0.033 mi.)	A39	16
LOT 47,TAXBLOCK 2266	83 GERRY STREET	E 0 - 1/8 (0.033 mi.)	A40	16
LOT 46,TAXBLOCK 2266	83 GERRY STREET	E 0 - 1/8 (0.033 mi.)	A41	16
LOT 21,TAXBLOCK 2266	390 WALLABOUT STREET	NE 0 - 1/8 (0.035 mi.)	A43	16
LOT 40,TAXBLOCK 2266	91 GERRY STREET	E 0 - 1/8 (0.037 mi.)	A48	17
LOT 42,TAXBLOCK 2250	WALLABOUT STREET	N 0 - 1/8 (0.039 mi.)	A49	18
LOT 22,TAXBLOCK 2266	392 WALLABOUT STREET	NE 0 - 1/8 (0.039 mi.)	A50	18
LOT 40,TAXBLOCK 2250	305 WALLABOUT STREET	NNE 0 - 1/8 (0.040 mi.)	A51	18
LOT 17,TAXBLOCK 2269	74 GERRY STREET	ESE 0 - 1/8 (0.041 mi.)	B57	19
LOT 14,TAXBLOCK 2269	GERRY STREET	SE 0 - 1/8 (0.041 mi.)	B58	19
FORMER JUST4WHEELS S	***93 GERRY STREET***	***ENE 0 - 1/8 (0.041 mi.)***	***A59***	***20***
LOT 4,TAXBLOCK 2250	***161 HARRISON AVENUE***	***WNW 0 - 1/8 (0.042 mi.)***	***C61***	***20***
LOT 16,TAXBLOCK 2269	GERRY STREET	SE 0 - 1/8 (0.042 mi.)	B62	20
LOT 18,TAXBLOCK 2269	76 GERRY STREET	ESE 0 - 1/8 (0.043 mi.)	B63	20
LOT 37,TAXBLOCK 2249	174 HARRISON AVENUE	WSW 0 - 1/8 (0.044 mi.)	C64	20
LOT 23,TAXBLOCK 2266	394 WALLABOUT STREET	NE 0 - 1/8 (0.044 mi.)	A66	21
LOT 12,TAXBLOCK 2250	90 WALTON STREET	NW 0 - 1/8 (0.045 mi.)	C68	21
LOT 10,TAXBLOCK 2250	***88 WALTON STREET***	***NW 0 - 1/8 (0.045 mi.)***	***C69***	***21***
LOT 38,TAXBLOCK 2250	***307 WALLABOUT STREET***	***NNE 0 - 1/8 (0.046 mi.)***	***A71***	***22***
LOT 38,TAXBLOCK 2266	95 GERRY STREET	ENE 0 - 1/8 (0.046 mi.)	A72	22
LOT 14,TAXBLOCK 2250	94 WALTON STREET	NNW 0 - 1/8 (0.047 mi.)	C81	24
LOT 19,TAXBLOCK 2269	82 GERRY STREET	ESE 0 - 1/8 (0.048 mi.)	B82	24
LOT 24,TAXBLOCK 2266	396 WALLABOUT STREET	NE 0 - 1/8 (0.049 mi.)	A83	24
LOT 37,TAXBLOCK 2266	97 GERRY STREET	ENE 0 - 1/8 (0.051 mi.)	D84	24
VARTEX INSTRUMENT CO	***311 WALLABOUT ST***	***NNE 0 - 1/8 (0.052 mi.)***	***E85***	***24***
LOT 8,TAXBLOCK 2250	157 HARRISON AVENUE	WNW 0 - 1/8 (0.054 mi.)	C86	25
LOT 7,TAXBLOCK 2250	157 HARRISON AVENUE	WNW 0 - 1/8 (0.054 mi.)	C87	25
LOT 6,TAXBLOCK 2250	157 HARRISON AVENUE	WNW 0 - 1/8 (0.054 mi.)	C88	25
LOT 25,TAXBLOCK 2266	398 WALLABOUT STREET	NE 0 - 1/8 (0.054 mi.)	D91	26
LOT 36,TAXBLOCK 2266	99 GERRY STREET	ENE 0 - 1/8 (0.055 mi.)	D92	26
PFIZER INC	***191 HARRISON AVE***	***SSE 0 - 1/8 (0.056 mi.)***	***B94***	***26***
LOT 23,TAXBLOCK 2269	86 GERRY STREET	E 0 - 1/8 (0.058 mi.)	D96	27
LOT 24,TAXBLOCK 2269	88 GERRY STREET	E 0 - 1/8 (0.062 mi.)	D99	28
LOT 49,TAXBLOCK 2269	37 BARTLETT STREET	SE 0 - 1/8 (0.064 mi.)	B100	28
LOT 50,TAXBLOCK 2269	35 BARTLETT STREET	SE 0 - 1/8 (0.064 mi.)	B101	28

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 48,TAXBLOCK 2269	39 BARTLETT STREET	SE 0 - 1/8 (0.064 mi.)	B102	28
LOT 47,TAXBLOCK 2269	41 BARTLETT STREET	SE 0 - 1/8 (0.065 mi.)	B104	29
LOT 52,TAXBLOCK 2269	31 BARTLETT STREET	SSE 0 - 1/8 (0.066 mi.)	B105	29
LOT 45,TAXBLOCK 2269	43 BARTLETT STREET	SE 0 - 1/8 (0.066 mi.)	B106	29
LOT 34,TAXBLOCK 2266	82 THROOP AVENUE	ENE 0 - 1/8 (0.068 mi.)	D107	29
LOT 25,TAXBLOCK 2269	90 GERRY STREET	E 0 - 1/8 (0.068 mi.)	D110	30
LOT 43,TAXBLOCK 2269	47 BARTLETT STREET	ESE 0 - 1/8 (0.068 mi.)	B112	30
LOT 29,TAXBLOCK 2266	72 THROOP AVENUE	NE 0 - 1/8 (0.069 mi.)	D122	32
LOT 30,TAXBLOCK 2266	74 THROOP AVENUE	NE 0 - 1/8 (0.069 mi.)	D124	33
LOT 31,TAXBLOCK 2266	76 THROOP AVENUE	ENE 0 - 1/8 (0.070 mi.)	D127	33
LOT 25,TAXBLOCK 2250	116 WALTON STREET	N 0 - 1/8 (0.070 mi.)	E135	35
LOT 42,TAXBLOCK 2269	51 BARTLETT STREET	ESE 0 - 1/8 (0.071 mi.)	F136	35
LOT 33,TAXBLOCK 2250	66 THROOP AVENUE	NNE 0 - 1/8 (0.071 mi.)	E137	35
LOT 129,TAXBLOCK 225	THROOP AVENUE	NNE 0 - 1/8 (0.073 mi.)	E140	36
LOT 41,TAXBLOCK 2269	53 BARTLETT STREET	ESE 0 - 1/8 (0.073 mi.)	F141	36
LOT 40,TAXBLOCK 2269	55 BARTLETT STREET	ESE 0 - 1/8 (0.075 mi.)	F142	36
LOT 32,TAXBLOCK 2250	62 THROOP AVENUE	NNE 0 - 1/8 (0.076 mi.)	E143	37
LOT 41,TAXBLOCK 2249	249 WALLABOUT STREET	WSW 0 - 1/8 (0.076 mi.)	C144	37
LOT 27,TAXBLOCK 2269	84 THROOP AVENUE	E 0 - 1/8 (0.076 mi.)	D146	37
LOT 39,TAXBLOCK 2269	***57 BARTLETT STREET***	***ESE 0 - 1/8 (0.078 mi.)***	***F147***	***37***
LOT 28,TAXBLOCK 2269	THROOP AVENUE	E 0 - 1/8 (0.079 mi.)	D149	38
LOT 29,TAXBLOCK 2250	56 THROOP AVENUE	NNE 0 - 1/8 (0.079 mi.)	E150	38
LOT 27,TAXBLOCK 2250	52 THROOP AVENUE	N 0 - 1/8 (0.082 mi.)	E152	38
THROOP UNITS LLC	***54 THROOP AVE***	***NNE 0 - 1/8 (0.082 mi.)***	***E154***	***39***
LOT 29,TAXBLOCK 2269	88 THROOP AVENUE	E 0 - 1/8 (0.082 mi.)	D156	39
LOT 36,TAXBLOCK 2269	63 BARTLETT STREET	ESE 0 - 1/8 (0.084 mi.)	F161	40
LOT 30,TAXBLOCK 2269	90 THROOP AVENUE	E 0 - 1/8 (0.084 mi.)	D162	41
LOT 31,TAXBLOCK 2269	THROOP AVENUE	E 0 - 1/8 (0.087 mi.)	D167	42
LOT 9,TAXBLOCK 2272	30 BARTLETT STREET	SE 0 - 1/8 (0.089 mi.)	F169	42
LOT 6,TAXBLOCK 2272	***24 BARTLETT STREET***	***SE 0 - 1/8 (0.089 mi.)***	***F171***	***42***
LOT 11,TAXBLOCK 2272	36 BARTLETT STREET	SE 0 - 1/8 (0.089 mi.)	F173	43
LOT 35,TAXBLOCK 2269	65 BARTLETT STREET	E 0 - 1/8 (0.090 mi.)	F174	43
LOT 33,TAXBLOCK 2269	***69 BARTLETT STREET***	***E 0 - 1/8 (0.095 mi.)***	***F182***	***45***
LOT 3,TAXBLOCK 2272	207 HARRISON AVENUE	SSE 0 - 1/8 (0.097 mi.)	H185	45
LOT 23,TAXBLOCK 2249	WALTON STREET	WSW 0 - 1/8 (0.100 mi.)	G189	46
LOT 108,TAXBLOCK 227	BARTLETT STREET	SE 0 - 1/8 (0.101 mi.)	H190	46
LOT 149,TAXBLOCK 224	WALTON STREET	W 0 - 1/8 (0.103 mi.)	I195	48
LOT 55,TAXBLOCK 2272	659 FLUSHING AVENUE	SSE 0 - 1/8 (0.105 mi.)	H196	48
TULIP GROVE HOMES	***661 FLUSHING AVE***	***SSE 0 - 1/8 (0.106 mi.)***	***H200***	***49***
LOT 53,TAXBLOCK 2272	663 FLUSHING AVENUE	SSE 0 - 1/8 (0.108 mi.)	H210	51
LOT 51,TAXBLOCK 2272	665 FLUSHING AVENUE	SSE 0 - 1/8 (0.110 mi.)	H211	51
LOT 52,TAXBLOCK 2272	665 FLUSHING AVENUE	SSE 0 - 1/8 (0.110 mi.)	H212	51
LOT 122,TAXBLOCK 224	243 WALLABOUT STREET	WSW 0 - 1/8 (0.112 mi.)	G214	52
LOT 45,TAXBLOCK 2272	11 WHIPPLE STREET	SE 0 - 1/8 (0.116 mi.)	M237	58
LOT 49,TAXBLOCK 2272	WHIPPLE STREET	SE 0 - 1/8 (0.120 mi.)	M250	60
LOT 54,TAXBLOCK 2242	151 LORIMER STREET	NW 0 - 1/8 (0.120 mi.)	N252	61
LOT 53,TAXBLOCK 2242	153 LORIMER STREET	NW 0 - 1/8 (0.121 mi.)	N255	61
LOT 47,TAXBLOCK 2242	165 LORIMER STREET	NNW 0 - 1/8 (0.124 mi.)	N261	63
LOT 46,TAXBLOCK 2242	167 LORIMER STREET	NNW 0 - 1/8 (0.125 mi.)	O262	63

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOT 14,TAXBLOCK 2265	***334 WALLABOUT STREET***	***SW 0 - 1/8 (0.095 mi.)***	***G181***	***44***

EXECUTIVE SUMMARY

NY HSWDS: A review of the NY HSWDS list, as provided by EDR, and dated 01/01/2003 has revealed that there is 1 NY HSWDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BORDEN CHEMICAL	56 NOSTRAND AVE.	SW 1/4 - 1/2 (0.386 mi.)	AO440	106

NY MANIFEST: A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there are 110 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WALLABOUT BUILDINGS EPA ID: NYR000203521	***376-382 WALLABOUT ST***	***NNE 0 - 1/8 (0.002 mi.)***	***A1***	***8***
CON EDISON SERVICE B EPA ID: NYP004446217	***372 WALLABOUT ST***	***W 0 - 1/8 (0.002 mi.)***	***A4***	***8***
CON EDISON MANHOLE: EPA ID: NYP004446282	***378 WALLABOUT ST***	***NNE 0 - 1/8 (0.006 mi.)***	***A6***	***9***
CON EDISON SERVICE B EPA ID: NYP004446225	***366 WALLABOUT ST***	***WSW 0 - 1/8 (0.015 mi.)***	***A11***	***10***
PFIZER INC BROOKLYN EPA ID: NYR000016048	***73 GERRY ST***	***E 0 - 1/8 (0.026 mi.)***	***A23***	***12***
CON EDISON EPA ID: NYP004858587	295 WALLABOUT ST	N 0 - 1/8 (0.028 mi.)	A28	13
BAIS RUCHEL HIGH SCH EPA ID: NYR000183780	***177 HARRISON AVE***	***SSW 0 - 1/8 (0.030 mi.)***	***A33***	***14***
CON EDISON EPA ID: NYP004849471	***81 GERRY ST***	***E 0 - 1/8 (0.032 mi.)***	***A37***	***15***
CON EDISON SERVICE B EPA ID: NYP004446290	***HARRISON AVE & WALLA***	***WSW 0 - 1/8 (0.040 mi.)***	***A53***	***18***
CON EDISON EPA ID: NYP004743332	HARRISSON & WALLABOU	WSW 0 - 1/8 (0.040 mi.)	A56	19
V4821 EPA ID: NYP004034575	***48 GERRY STREET***	***S 0 - 1/8 (0.046 mi.)***	***B70***	***21***
HARRISON WALTON PROP EPA ID: NYR000226365	86-90 WALTON ST	NW 0 - 1/8 (0.046 mi.)	C74	22
CON ED - MH 485 EPA ID: NYP004006821	***GERRY ST & HARRISON***	***S 0 - 1/8 (0.046 mi.)***	***B77***	***23***
VARTEX INSTRUMENT CO EPA ID: NYR000084483	***311 WALLABOUT ST***	***NNE 0 - 1/8 (0.052 mi.)***	***E85***	***24***
PFIZER INC EPA ID: NYD001513779	***191 HARRISON AVE***	***SSE 0 - 1/8 (0.056 mi.)***	***B94***	***26***
IS 318 EPA ID: NYD986953461	***101 WALTON ST***	***NW 0 - 1/8 (0.061 mi.)***	***C97***	***27***
CON EDISON SERVICE B EPA ID: NYP004414231	***47 BARTLETT ST***	***ESE 0 - 1/8 (0.068 mi.)***	***B111***	***30***
THROOP BUILDINGS	***72 THROOP AVE***	***NE 0 - 1/8 (0.069 mi.)***	***D115***	***31***

EPA ID: NYR000197897				
CON EDISON EPA ID: NYP004720090	72 THROOP AV	NE 0 - 1/8 (0.069 mi.)	D116	31
CON EDISON EPA ID: NYP004801981	72-74 THROOP AVE & G	NE 0 - 1/8 (0.069 mi.)	D117	31
CON EDISON EPA ID: NYP004720009	78 THROOP AVE	ENE 0 - 1/8 (0.070 mi.)	D129	34
CON EDISON SERVICE B EPA ID: NYP004333621	***49 BARTLET ST FRONT***	***ESE 0 - 1/8 (0.072 mi.)***	***F138***	***36***
CON EDISON EPA ID: NYP004624375	FRONT OF 68 THROOP A	NE 0 - 1/8 (0.073 mi.)	D139	36
THROOP UNITS LLC EPA ID: NYR000231548	***54 THROOP AVE***	***NNE 0 - 1/8 (0.082 mi.)***	***E154***	***39***
CON EDISON - TRANSFO EPA ID: NYP004399176	***WALLABOUT ST C 32W T***	***NE 0 - 1/8 (0.082 mi.)***	***E158***	***39***
PFIZER INC BROOKLYN EPA ID: NYD001374214	***13 BARTLETT STREET***	***SSE 0 - 1/8 (0.084 mi.)***	***B159***	***40***
PFIZER INC BROOKLYN EPA ID: NY0000055384	***338 WALLABOUT ST***	***SW 0 - 1/8 (0.085 mi.)***	***G163***	***41***
CON EDISON SERVICE B EPA ID: NYP004409629	***45 THROOP AVE***	***NNE 0 - 1/8 (0.097 mi.)***	***E183***	***45***
HARRISON DRY CLEANER EPA ID: NYD045446994	***209 HARRISON AVE***	***SSE 0 - 1/8 (0.098 mi.)***	***H186***	***45***
HYDRO TECH EPA ID: NYR000146126	***70 UNION AVENUE***	***W 0 - 1/8 (0.102 mi.)***	***I191***	***47***
CON EDISON SERVICE B EPA ID: NYP004307450	***125 GERRY ST***	***ENE 0 - 1/8 (0.105 mi.)***	***J197***	***48***
TULIP GROVE HOMES EPA ID: NYR000203539	***661 FLUSHING AVE***	***SSE 0 - 1/8 (0.106 mi.)***	***H200***	***49***
BP WEST COAST PRODUC EPA ID: NYR000198119	655 FLUSHING AVE	SSE 0 - 1/8 (0.108 mi.)	H205	50
CON EDISON - VAULT 1 EPA ID: NYP005131800	2 TOMPKINS AVE	SSE 0 - 1/8 (0.114 mi.)	H223	54
CON EDISON EPA ID: NYP004745261 EPA ID: NYP004745469	2 TOMPKINS AVE	SSE 0 - 1/8 (0.114 mi.)	H224	54
CON EDISON SERVICE B EPA ID: NYP004410114	***147 WALTON ST***	***N 0 - 1/8 (0.115 mi.)***	***L230***	***55***
ACP BK I LLC - 630 F EPA ID: NYD986936904	***630 FLUSHING AVE***	***S 0 - 1/8 (0.115 mi.)***	***H235***	***57***
CON EDISON EPA ID: NYP004512307	622 BROADWAY	NE 0 - 1/8 (0.118 mi.)	J242	59
CON EDISON EPA ID: NYP004559654	622 BROADWAY	NE 0 - 1/8 (0.118 mi.)	J243	59
CON EDISON EPA ID: NYP004689915	FRONT OF 622 BROADWA	NE 0 - 1/8 (0.118 mi.)	J244	59
NYCT - BROADWAY-LORI	***143 LORIMER ST***	***NW 0 - 1/8 (0.118 mi.)***	***N246***	***60***

EPA ID: NYR000156547				
CON EDISON - MANHOLE EPA ID: NYP005064977	133 HARRISON ST	NW 0 - 1/8 (0.119 mi.)	N249	60
CON EDISON - MANHOLE EPA ID: NYP004306957	***584 BROADWAY***	***N 0 - 1/8 (0.125 mi.)***	***L264***	***63***
CON EDISON EPA ID: NYP004186920	***WHIPPLE ST & FLUSHIN***	***SE 1/8 - 1/4 (0.132 mi.)***	***M269***	***64***
CON ED EPA ID: NYP004875098	HARRISON AVE & UNION	WNW 1/8 - 1/4 (0.134 mi.)	N271	65
CON EDISON - MANHOLE EPA ID: NYP004184263	***UNION AVE HARRISON A***	***WNW 1/8 - 1/4 (0.134 mi.)***	***N272***	***65***
CON EDISON - TM 1358 EPA ID: NYP004111993	***THROOP AVE & LORIMER***	***N 1/8 - 1/4 (0.136 mi.)***	***L275***	***66***
CON EDISON SERVICE B EPA ID: NYP004288635	***55 WALTON ST***	***W 1/8 - 1/4 (0.138 mi.)***	***Q281***	***67***
CON EDISON EPA ID: NYP004829572	76 BARTLETT ST	E 1/8 - 1/4 (0.141 mi.)	K283	68
CON EDISON EPA ID: NYP004794509	BROADWAY & GERRY ST	ENE 1/8 - 1/4 (0.141 mi.)	J289	69
CON EDISON EPA ID: NYP004794491	BROADWAY & GERRY ST	ENE 1/8 - 1/4 (0.141 mi.)	J290	69
CON EDISON EPA ID: NYP004334926	OPP 2 WIPPLE STREET	SE 1/8 - 1/4 (0.142 mi.)	M292	70
CON EDISON SERVICE B EPA ID: NYP004334918	***18 WHIPPLE ST FRONT***	***ESE 1/8 - 1/4 (0.142 mi.)***	***M293***	***70***
CON EDISON EPA ID: NYP004738043	648 BROADWAY	ENE 1/8 - 1/4 (0.144 mi.)	J296	71
MTA NYCT - LORIMER S EPA ID: NYR000082131	***LORIMER ST & BROADWA***	***N 1/8 - 1/4 (0.150 mi.)***	***L302***	***72***
CON EDISON MANHOLE: EPA ID: NYP004436226	***LORIMER ST & BROADWA***	***N 1/8 - 1/4 (0.150 mi.)***	***L303***	***72***
CON EDISON EPA ID: NYP004183687	***LORIMER ST & BROADWA***	***N 1/8 - 1/4 (0.150 mi.)***	***L304***	***72***
CON EDISON EPA ID: NYP004550265	34 WHIPPLE ST	ESE 1/8 - 1/4 (0.154 mi.)	R306	73
CON EDISON - VS 2314 EPA ID: NYP004106852	***93 HOPKINS ST***	***SSE 1/8 - 1/4 (0.156 mi.)***	***S309***	***74***
CON EDISON EPA ID: NYP004722955 EPA ID: NYP004426862	***149 HOPKINS ST***	***SSE 1/8 - 1/4 (0.159 mi.)***	***S312***	***74***
CON ED EPA ID: NYP004833097	UNION AVE & MIDDLETO	NW 1/8 - 1/4 (0.160 mi.)	N315	75
NYCTA - 22 THROOP AV EPA ID: NY0000902171	***22 THROOP AVE***	***NNW 1/8 - 1/4 (0.161 mi.)***	***T316***	***75***
CON EDISON - MANHOLE EPA ID: NYP004184289	***662 BROADWAY***	***E 1/8 - 1/4 (0.162 mi.)***	***U317***	***76***
CONSOLIDATED EDISON	MIDDLETON & HARRISON	NW 1/8 - 1/4 (0.164 mi.)	N318	76

EPA ID: NYP004057790				
CON EDISON EPA ID: NYP004678678	OPP 23 THROOP AV	N 1/8 - 1/4 (0.164 mi.)	T319	76
CON EDISON EPA ID: NYP004791927	BARTLETT ST & BROADW	ENE 1/8 - 1/4 (0.169 mi.)	U322	77
CON EDISON EPA ID: NYP004831042	131 THROOP AVE	ESE 1/8 - 1/4 (0.173 mi.)	R330	79
CON EDISON EPA ID: NYP005021290	701 FLUSHING AVE	ESE 1/8 - 1/4 (0.177 mi.)	R341	81
CON EDISON - MANHOLE EPA ID: NYP005094628	676 BROADWAY	E 1/8 - 1/4 (0.182 mi.)	U350	83
CON EDISON EPA ID: NYP004633749	OPP 21 THROOP AVE	NNW 1/8 - 1/4 (0.182 mi.)	T351	83
FORMER CHARLES PFIZE EPA ID: NYR000205047	***407 MARCY AVE***	***W 1/8 - 1/4 (0.185 mi.)***	***Q353***	***84***
KNIGHTS COLLISION & EPA ID: NYD012575643	***120 UNION AVENUE***	***NNW 1/8 - 1/4 (0.186 mi.)***	***Z356***	***84***
CON EDISON EPA ID: NYP004758603	80 LORIMER ST	W 1/8 - 1/4 (0.193 mi.)	V362	86
CON EDISON EPA ID: NYP004733754	185 HOPKINS ST	SE 1/8 - 1/4 (0.200 mi.)	AC367	87
CON EDISON SERVICE B EPA ID: NYP004313276	***12 MANHATTAN AVE***	***ENE 1/8 - 1/4 (0.207 mi.)***	***U369***	***87***
CON EDISON EPA ID: NYP004799268	135 MIDDLETON ST	WNW 1/8 - 1/4 (0.211 mi.)	AE371	88
LUDWIG INDUSTRIES IN EPA ID: NYD987034030	***133 MIDDLETON ST***	***WNW 1/8 - 1/4 (0.212 mi.)***	***V375***	***89***
NYNEX EPA ID: NYP000922641	HARRISON AVE & LYNCH	NW 1/8 - 1/4 (0.214 mi.)	AA376	89
NYC DEPT OF EDUCATIO EPA ID: NYR000011163	***185 ELLERY ST***	***SSE 1/8 - 1/4 (0.218 mi.)***	***377***	***89***
CON EDISON EPA ID: NYP004730065	685 BROADWAY	E 1/8 - 1/4 (0.218 mi.)	AF379	90
CON EDISON EPA ID: NYP004611646	719 FLUSHING AVE	ESE 1/8 - 1/4 (0.219 mi.)	AD380	90
CON EDISON - TRANSFO EPA ID: NYP005207307	254 LYNCH ST	NNW 1/8 - 1/4 (0.220 mi.)	AG382	90
CON EDISON - MANHOLE EPA ID: NYP004973879	239 LYNCH ST	NW 1/8 - 1/4 (0.223 mi.)	Z383	91
CON EDISON - MANHOLE EPA ID: NYP004183497	***241 LYNCH ST / HARRI***	***NW 1/8 - 1/4 (0.223 mi.)***	***Z384***	***91***
CON EDISON EPA ID: NYP005087006	30 MANHATTAN AVE	ENE 1/8 - 1/4 (0.224 mi.)	AH386	91
NYNEX EPA ID: NYP000922849	OPPOSITE 168 LYNCH S	WNW 1/8 - 1/4 (0.225 mi.)	AE389	92
CON EDISON SERVICE B	***32 VARET ST***	***ENE 1/8 - 1/4 (0.229 mi.)***	***AH392***	***93***

EPA ID: NYP004482386				
CON EDISON EPA ID: NYP004567442	46 MANHATTAN AVE	NE 1/8 - 1/4 (0.232 mi.)	AH394	93
CON EDISON MANHOLE: EPA ID: NYP004302675	***MARCY AVE & MIDDLETO***	***W 1/8 - 1/4 (0.234 mi.)***	***AE399***	***94***
CON EDISON SERVICE B EPA ID: NYP004329744	***MIDDLETON ST & MARCY***	***W 1/8 - 1/4 (0.234 mi.)***	***AE400***	***95***
CON EDISON MANHOLE: EPA ID: NYP004331229	***MARCY AVE & MIDDLETO***	***W 1/8 - 1/4 (0.234 mi.)***	***AE401***	***95***
CON EDISON EPA ID: NYP004821365	164 THROOP AVE	SE 1/8 - 1/4 (0.234 mi.)	AC403	95
CON EDISON EPA ID: NYP004609749	FO 697 BROADWAY	E 1/8 - 1/4 (0.236 mi.)	AF405	96
SERVICE STATION EPA ID: NYD000824201	***152 UNION AVE***	***NNW 1/8 - 1/4 (0.237 mi.)***	***AG406***	***96***
CON EDISON EPA ID: NYP004698437	BOERUM & LORIMER ST	N 1/8 - 1/4 (0.241 mi.)	409	97
CON EDISON EPA ID: NYP004738357 EPA ID: NYP004738571	168 THROOP AVE	SE 1/8 - 1/4 (0.241 mi.)	AC414	98
CON EDISON SERVICE B EPA ID: NYP004310744	***50 MANHATTAN AVE***	***NE 1/8 - 1/4 (0.247 mi.)***	***AH420***	***100***
CON ED - VS 5285 EPA ID: NYP004006680	***SEIGAL ST & MANHATTA***	***NE 1/8 - 1/4 (0.249 mi.)***	***422***	***100***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON MANHOLE: EPA ID: NYP004451639	***MARCY AVE & WALLABOU***	***WSW 1/8 - 1/4 (0.172 mi.)***	***P326***	***78***
NYCTA EPA ID: NYR000043455	FLUSHING & UNION AVE	SW 1/8 - 1/4 (0.175 mi.)	Y335	80
CON EDISON MANHOLE: EPA ID: NYP004451571	***MARCY AVE & FLUSHING***	***SW 1/8 - 1/4 (0.175 mi.)***	***Y336***	***80***
V2107 EPA ID: NYP004018420	***2-48 GERRY***	***SW 1/8 - 1/4 (0.175 mi.)***	***Y338***	***81***
V1821 EPA ID: NYP004018412	***2 GERRY STREET***	***SW 1/8 - 1/4 (0.175 mi.)***	***Y339***	***81***
CON ED EPA ID: NYP004832735	MARCY AVE & WALTON S	WSW 1/8 - 1/4 (0.180 mi.)	AB346	82
CON EDISON MANHOLE: EPA ID: NYP004473062	***442 MARCY AVE***	***SW 1/8 - 1/4 (0.180 mi.)***	***P347***	***82***
CON EDISON MANHOLE: EPA ID: NYP004473013	***298 WALLABOUT AVE***	***SW 1/8 - 1/4 (0.185 mi.)***	***P352***	***83***
CON EDISON - MANHOLE EPA ID: NYP004184040	***13 WALTON ST***	***WSW 1/8 - 1/4 (0.220 mi.)***	***AB381***	***90***
CON EDISON EPA ID: NYP004184024	***274 WALLABOUT ST***	***WSW 1/8 - 1/4 (0.232 mi.)***	***AI396***	***94***
NYCTA - WALTON STREE	***WALTON & WALLABOUT S***	***WSW 1/8 - 1/4 (0.241 mi.)***	***AI410***	***97***

EPA ID: NYR000019547

CON EDISON - MANHOLE EPA ID: NYP004316972	***573 FLUSHING AVE***	***SW 1/8 - 1/4 (0.248 mi.)***	***AI421***	***100***

PA MANIFEST: A review of the PA MANIFEST list, as provided by EDR, and dated 06/30/2018 has revealed that there is 1 PA MANIFEST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THROOP UNITS LLC Generator EPA Id: NYR000231548	52 THROOP AVE	N 0 - 1/8 (0.082 mi.)	E151	38

NJ MANIFEST: A review of the NJ MANIFEST list, as provided by EDR, and dated 12/31/2018 has revealed that there are 45 NJ MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BAIS RUCHEL HIGH SCH EPA Id: NYR000183780	***177 HARRISON AVE***	***SSW 0 - 1/8 (0.030 mi.)***	***A33***	***14***
CON EDISON EPA Id: NYP004743332	HARRISSON & WALLABOU	WSW 0 - 1/8 (0.040 mi.)	A54	19
ARLINGTON PRESS EPA Id: NYD001513779	191 HARRISON AVENUE	SSE 0 - 1/8 (0.056 mi.)	B93	26
CON EDISON EPA Id: NYP004801981	72-74 THROOP AVE & G	NE 0 - 1/8 (0.069 mi.)	D118	31
THROOP BUILDINGS EPA Id: NYR000197897	72 THROOP AVE	NE 0 - 1/8 (0.069 mi.)	D121	32
CON EDISON - MANHOLE EPA Id: NYP004720009	78 THROOP AVE	ENE 0 - 1/8 (0.070 mi.)	D128	34
PFIZER INC EPA Id: NYD001374214	11 BARTLETT STREET	S 0 - 1/8 (0.087 mi.)	H166	42
CAS DEVELOPERS LLC EPA Id: NYR000146126	***70 UNION AVE***	***W 0 - 1/8 (0.102 mi.)***	***I193***	***47***
TULIP GROVE HOMES EPA Id: NYR000203539	661 FLUSHING AVE	SSE 0 - 1/8 (0.106 mi.)	H198	48
BP WEST COAST PRODUC EPA Id: NYR000198119	655 FLUSHING AVE	SSE 0 - 1/8 (0.108 mi.)	H204	50
CON EDISON EPA Id: NYP004745469	2 TOMPKINS AVE	SSE 0 - 1/8 (0.114 mi.)	H220	53
CON EDISON EPA Id: NYP004745261	2 TOMPKINS AVE	SSE 0 - 1/8 (0.114 mi.)	H226	54
ACP BK I LLC - 630 F EPA Id: NYD986936904	***630 FLUSHING AVE***	***S 0 - 1/8 (0.115 mi.)***	***H232***	***56***
NYCT - BROADWAY-LORI EPA Id: NYR000156547	***143 LORIMER ST***	***NW 0 - 1/8 (0.118 mi.)***	***N246***	***60***
CON EDISON	***WHIPPLE ST & FLUSHIN***	***SE 1/8 - 1/4 (0.132 mi.)***	***M269***	***64***

EPA Id: NYP004186920				
CON EDISON - TRANSFO EPA Id: NYP004875098	HARRISON AVE & UNION	WNW 1/8 - 1/4 (0.134 mi.)	N270	65
CON EDISON - MANHOLE EPA Id: NYP004184263	UNION AVE HARRISON A	WNW 1/8 - 1/4 (0.134 mi.)	N274	66
CON EDISON SERVICE B EPA Id: NYP004288635	55 WALTON ST	W 1/8 - 1/4 (0.138 mi.)	Q280	67
CON EDISON EPA Id: NYP004829572	76 BARTLETT ST	E 1/8 - 1/4 (0.141 mi.)	K285	68
CON EDISON EPA Id: NYP004794491	BROADWAY & GERRY ST	ENE 1/8 - 1/4 (0.141 mi.)	J286	68
CON EDISON EPA Id: NYP004794509	BROADWAY & GERRY ST	ENE 1/8 - 1/4 (0.141 mi.)	J288	69
CON EDISON EPA Id: NYP004738043	648 BROADWAY	ENE 1/8 - 1/4 (0.144 mi.)	J295	70
CON EDISON EPA Id: NYP004884868	95 THROOP AVE	ESE 1/8 - 1/4 (0.145 mi.)	K298	71
CON EDISON EPA Id: NYP004183687	***LORIMER ST & BROADWA***	***N 1/8 - 1/4 (0.150 mi.)***	***L304***	***72***
CON EDISON EPA Id: NYP004833097	UNION AVE & MIDDLETO	NW 1/8 - 1/4 (0.160 mi.)	N313	75
CON EDISON - MANHOLE EPA Id: NYP004184289	***662 BROADWAY***	***E 1/8 - 1/4 (0.162 mi.)***	***U317***	***76***
CON EDISON EPA Id: NYP004791927	BARTLETT ST & BROADW	ENE 1/8 - 1/4 (0.169 mi.)	U323	77
CON EDISON EPA Id: NYP004885196	22-66 LEONARD ST	NE 1/8 - 1/4 (0.171 mi.)	W325	78
CON EDISON EPA Id: NYP004884744	161 HOPKINS ST	SE 1/8 - 1/4 (0.172 mi.)	X328	78
CON EDISON EPA Id: NYP004831042	131 THROOP AVE	ESE 1/8 - 1/4 (0.173 mi.)	R332	79
CGS BUILDER EPA Id: NYR000133769	***420 MARCY AVE***	***WSW 1/8 - 1/4 (0.190 mi.)***	***AB360***	***85***
CON EDISON EPA Id: NYP004758603	80 LORIMER ST	W 1/8 - 1/4 (0.193 mi.)	V361	86
CON EDISON EPA Id: NYP004822066	THROOP AVE & FLUSHIN	ESE 1/8 - 1/4 (0.198 mi.)	R365	87
CON EDISON - SERVICE EPA Id: NYP004733754	185 HOPKINS ST	SE 1/8 - 1/4 (0.200 mi.)	AC366	87
CON EDISON EPA Id: NYP004799268	135 MIDDLETON ST	WNW 1/8 - 1/4 (0.211 mi.)	AE373	88
CON EDISON - MANHOLE EPA Id: NYP004183497	***241 LYNCH ST / HARRI***	***NW 1/8 - 1/4 (0.223 mi.)***	***Z384***	***91***
CON EDISON EPA Id: NYP004821365	164 THROOP AVE	SE 1/8 - 1/4 (0.234 mi.)	AC402	95
SERVICE STATION	152 UNION AVE	NNW 1/8 - 1/4 (0.237 mi.)	AG408	97

EPA Id: NYD000824201				
CON EDISON EPA Id: NYP004738571	168 THROOP AVE	SE 1/8 - 1/4 (0.241 mi.)	AC413	98
CON EDISON EPA Id: NYP004738357	168 THROOP AVE	SE 1/8 - 1/4 (0.241 mi.)	AC415	99
CON EDISON EPA Id: NYP004826572	BROADWAY & DEBEVOISE	E 1/8 - 1/4 (0.244 mi.)	AF418	99

Lower Elevation	Address	Direction / Distance	Map ID	Page
MTA NYCT - FLUSHING EPA Id: NYR000043455	***FLUSHING & UNION AVE***	***SW 1/8 - 1/4 (0.175 mi.)***	***Y337***	***80***
CON EDISON EPA Id: NYP004832735	MARCY AVE & WALTON S	WSW 1/8 - 1/4 (0.180 mi.)	AB345	82
CON EDISON - MANHOLE EPA Id: NYP004184040	***13 WALTON ST***	***WSW 1/8 - 1/4 (0.220 mi.)***	***AB381***	***90***
CON EDISON EPA Id: NYP004184024	***274 WALLABOUT ST***	***WSW 1/8 - 1/4 (0.232 mi.)***	***AI396***	***94***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: A review of the EDR MGP list, as provided by EDR, has revealed that there are 5 EDR MGP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SKILLMAN STATION	SKILLMAN ST. FLUSHIN	WSW 1/2 - 1 (0.560 mi.)	AU473	115
NASSAU GAS	SKILLMAN AVE	WSW 1/2 - 1 (0.582 mi.)	474	115
RUTLEDGE STATION	RUTLEDGE ST. WYTHE A	WSW 1/2 - 1 (0.694 mi.)	476	115
KEAP ST. STATION	KEAP ST. WYTHE AVE.	W 1/2 - 1 (0.775 mi.)	478	116
SCHOLES ST. STATION	SCHOLES ST 7 BOGART	NE 1/2 - 1 (0.875 mi.)	480	116

EDR Hist Auto: A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 6 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THROOP TRANSMISSION	55 THROOP AVE	NE 0 - 1/8 (0.091 mi.)	D176	43
RUSS LOUIS	81-87 THROOP AVE	ENE 0 - 1/8 (0.092 mi.)	D180	44
RUBIN BOB	70 UNION AVE	W 0 - 1/8 (0.102 mi.)	I194	47
MEL-BERN NUMBER FOUR	645 FLUSHING AVE	S 0 - 1/8 (0.108 mi.)	H202	49
P & C SERVICE STATIO	655 FLUSHING AVE	SSE 0 - 1/8 (0.108 mi.)	H206	50
A G IGNITION	594 BROADWAY	NNE 0 - 1/8 (0.123 mi.)	L256	62

EXECUTIVE SUMMARY

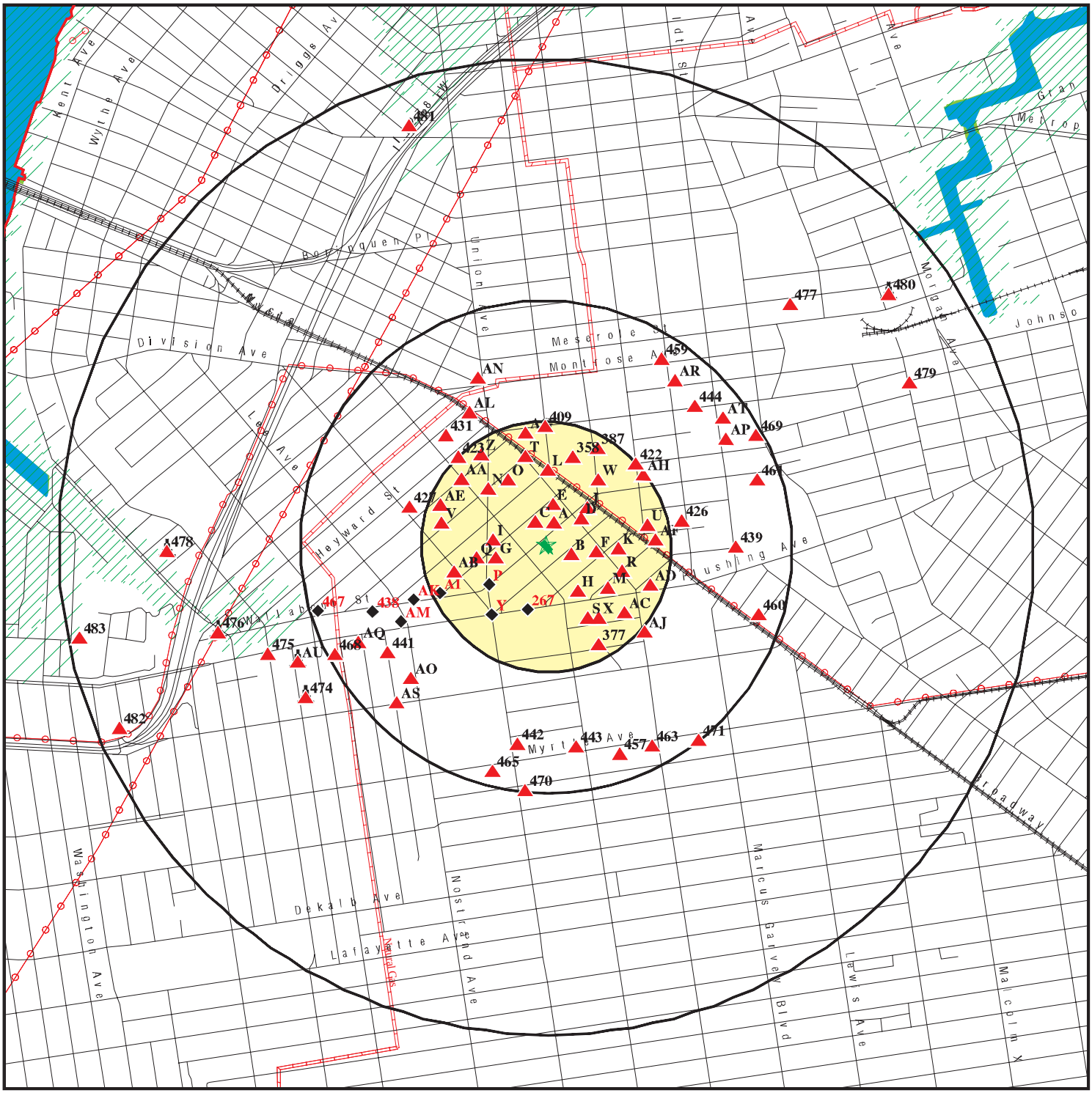
EDR Hist Cleaner: A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 2 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ACE RAPID CLEANERS	209 HARRISON AVE	SSE 0 - 1/8 (0.098 mi.)	H188	46
LINDSAYS PARK DRY CL	584 BROADWAY	N 0 - 1/8 (0.125 mi.)	L263	63

Count: 15 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BROOKLYN	S113916585	DAVIDSON PIPE SUPPLY COMPANY	3RD AVE & 37TH STREET		NY SHWS
BROOKLYN	S126022645	BROOKLYN MODEL CITY - DEKALB AVE/W	BOUNDED BY DEKALB AVENUE, NOST		NY SWF/LF
BROOKLYN	S126023554	PAERDEGAT BASIN NORTH	BOUNDED PAERDEGAT BASIN, SEAVI		NY SWF/LF
BROOKLYN	S113916751	INGRAHAM STREET SIDEWALK GW	INGRAHAM STREET	11237	NY SHWS
BROOKLYN	S113917078	NORTH OF CORNISH KNIT GOODS	JOHNSON AVE	11206	NY SHWS
BROOKLYN	S113922099	KEAP ST. STATION	KEAP ST, WYTHE AVE, HOOPER ST,	11206	NY VCP
BROOKLYN	S113916586	KENT TERMINAL	KENT AVE. BETWEEN 5TH-11TH ST.	11211	NY SHWS, NY VCP
BROOKLYN	S121102044	MCCARREN COMFORT STSTION	LORIMER ST		NY LTANKS
BROOKLYN	S113916666	MORGAN OIL TERMINAL	224038 MORGAN OIL TERMINAL		NY SHWS
BROOKLYN	S113922150	RUTLEDGE STATION	RUTLEDGE ST, WYTHE&,KENTAVE&WA	11206	NY VCP
BROOKLYN	S110487592	K - SCHOLES ST. STATION	SCHOLES ST 7 BOGART STS, MESSE	11206	NY SHWS, NY BROWNFIELDS
BROOKLYN	S113922100	SCHOLES ST. STATION	SCHOLES ST 7 BOGART STS, MESSE	11206	NY VCP
BROOKLYN	S113922101	SKILLMAN STATION	SKILLMAN ST. FLUSHING & BEDFOR	11205	NY VCP
BROOKLYN	S121102086	12 SPENCER STREET/ 735 BEDFORD AVE	12 SPENCER STREET/ 735 BEDFORD	11205	NY SHWS
BROOKLYN	S117535331	BASEMENT	925 UNION ST		NY LTANKS

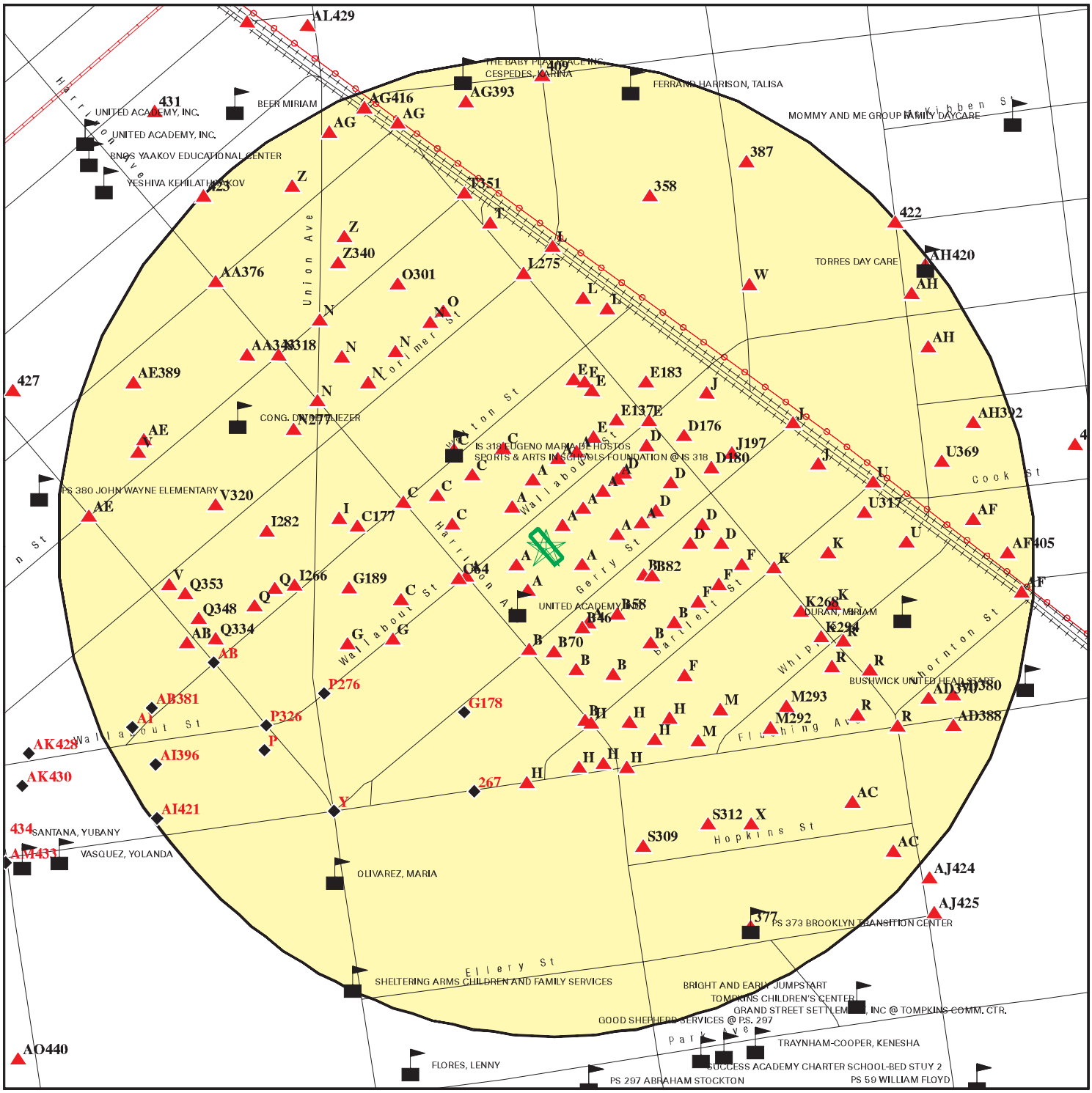
OVERVIEW MAP - 07004235.2R



SITE NAME: 374 Wallabout Street	CLIENT: Haley & Aldrich, Inc.
ADDRESS: 374 Wallabout Street Brooklyn NY 11206	CONTACT: Zach Simmel
LAT/LONG: 40.701813 / 73.947939	INQUIRY #: 07004235.2r DATE: June 02, 2022 3:15 pm

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DETAIL MAP - 07004235.2R



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 374 Wallabout Street	CLIENT: Haley & Aldrich, Inc.
ADDRESS: 374 Wallabout Street Brooklyn NY 11206	CONTACT: Zach Simmel
LAT/LONG: 40.701813 / 73.947939	INQUIRY #: 07004235.2r DATE: June 02, 2022 3:15 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	2	NR	NR	2
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		1	0	1	0	NR	2
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		12	12	NR	NR	NR	24
RCRA-SQG	0.250		2	1	NR	NR	NR	3
RCRA-VSQG	0.250		2	2	NR	NR	NR	4
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities								
NY SHWS	1.000		1	0	4	5	NR	10
Lists of state and tribal landfills and solid waste disposal facilities								
NY SWF/LF	0.500		0	0	2	NR	NR	2
Lists of state and tribal leaking storage tanks								
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY LTANKS	0.500		3	4	24	NR	NR	31
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
NY UST	0.250		13	14	NR	NR	NR	27
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY CBS	0.250		1	0	NR	NR	NR	1
NY AST	0.250		7	9	NR	NR	NR	16
NY CBS AST	0.250		1	0	NR	NR	NR	1
NY MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
NY TANKS	0.250		0	1	NR	NR	NR	1
State and tribal institutional control / engineering control registries								
NY RES DECL	0.125		2	NR	NR	NR	NR	2
NY ENG CONTROLS	0.500		2	0	1	NR	NR	3
NY INST CONTROL	0.500		2	0	1	NR	NR	3
Lists of state and tribal voluntary cleanup sites								
NY VCP	0.500		21	9	10	NR	NR	40
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
NY BROWNFIELDS	0.500		8	1	7	NR	NR	16
NY ERP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
NY SWTIRE	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
NY PFAS	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		0	0	NR	NR	NR	0
NY HIST AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								
NY LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		39	NR	NR	NR	NR	39
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		29	52	NR	NR	NR	81
FUDS	1.000		0	0	0	2	NR	2
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY DRYCLEANERS	0.250		1	0	NR	NR	NR	1
NY E DESIGNATION	0.125		102	NR	NR	NR	NR	102
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	1	NR	NR	1
NY MANIFEST	0.250		43	67	NR	NR	NR	110
PA MANIFEST	0.250		1	0	NR	NR	NR	1
NJ MANIFEST	0.250		14	31	NR	NR	NR	45
NY SPDES	TP		NR	NR	NR	NR	NR	0
NY VAPOR REOPENED	0.500		0	0	0	NR	NR	0
NY UIC	TP		NR	NR	NR	NR	NR	0
NY COOLING TOWERS	TP		NR	NR	NR	NR	NR	0
NY LEAD	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	5	NR	5
EDR Hist Auto	0.125		6	NR	NR	NR	NR	6
EDR Hist Cleaner	0.125		2	NR	NR	NR	NR	2
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
NY RGA HWS	TP		NR	NR	NR	NR	NR	0
NY RGA LF	TP		NR	NR	NR	NR	NR	0
- Totals --		0	315	203	53	12	0	583

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
NNE
< 1/8
0.002 mi.
9 ft.

Relative:
Higher

WALLABOUT BUILDINGS
376-382 WALLABOUT ST
BROOKLYN, NY 11206

RCRA NonGen / NLR **1016451760**
FINDS **NYR000203521**
ECHO
NY MANIFEST

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000203521

FINDS
Registry ID: 110056331134

ECHO
Registry ID 110056331134

NY MANIFEST
EPA ID NYR000203521

A2
NNE
< 1/8
0.002 mi.
9 ft.

Relative:
Higher

LOT 14,TAXBLOCK 2266
376 WALLABOUT STREET
BROOKLYN, NY

NY E DESIGNATION **S110242348**
N/A

Click here for full text details

A3
NNE
< 1/8
0.002 mi.
9 ft.

Relative:
Higher

376-382 WALLABOUT STREET
376 WALLABOUT STREET
NEW YORK CITY, NY

NY VCP **S125317041**
N/A

Click here for full text details

A4
West
< 1/8
0.002 mi.
11 ft.

Relative:
Higher

CON EDISON SERVICE BOX: 7969
372 WALLABOUT ST
BROOKLYN, NY 11206

RCRA NonGen / NLR **1016970892**
NY MANIFEST **NYP004446217**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004446217

NY MANIFEST
EPA ID NYP004446217

A5
NNE
< 1/8
0.006 mi.
34 ft.

Relative:
Higher

LOT 15,TAXBLOCK 2266
378 WALLABOUT STREET
BROOKLYN, NY

NY E DESIGNATION **S110242352**
N/A

Click here for full text details

A6
NNE
< 1/8
0.006 mi.
34 ft.

Relative:
Higher

CON EDISON MANHOLE: 494
378 WALLABOUT ST
BROOKLYN, NY 11206

RCRA NonGen / NLR **1016970899**
NY MANIFEST **NYP004446282**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004446282

NY MANIFEST
EPA ID NYP004446282

A7
ESE
< 1/8
0.011 mi.
57 ft.

Relative:
Higher

LOT 49,TAXBLOCK 2266
GERRY STREET
BROOKLYN, NY 11206

NY E DESIGNATION **S120838983**
N/A

Click here for full text details

A8
NE
< 1/8
0.011 mi.
60 ft.

Relative:
Higher

LOT 16,TAXBLOCK 2266
380 WALLABOUT STREET
BROOKLYN, NY

NY E DESIGNATION **S110242353**
N/A

Click here for full text details

A9
SE
< 1/8
0.013 mi.
66 ft.

Relative:
Higher

PFIZER INC/GERRY ST
PFIZER INC/GERRY ST
BROOKLYN, NY

NY LTANKS **S100493659**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9203348 / 1992-06-22
Site ID 204940
Spill Date 1992-06-19

A10
NW
< 1/8
0.015 mi.
80 ft.

Relative:
Higher

SERVICE BOX # 7967
285 WALLABOUT ST
BROOKLYN, NY

NY Spills **S106970181**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0505280 / 2005-09-28
Site ID 350231
Spill Date 2005-07-29

A11
WSW
< 1/8
0.015 mi.
80 ft.

Relative:
Higher

CON EDISON SERVICE BOX: 7968
366 WALLABOUT ST
BROOKLYN, NY 11206

RCRA NonGen / NLR **1016970893**
NY MANIFEST **NYP004446225**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004446225

NY MANIFEST
EPA ID NYP004446225

A12
WSW
< 1/8
0.015 mi.
80 ft.

Relative:
Higher

LOT 9,TAXBLOCK 2266
366 WALLABOUT STREET
BROOKLYN, NY

NY E DESIGNATION **S110242450**
N/A

Click here for full text details

A13
SE
< 1/8
0.016 mi.
84 ft.

Relative:
Higher

"SITE B" PFIZER
59-71 GERRY STREET AND 73-87 GERRY STREET
BROOKLYN, NY 11206

NY BROWNFIELDS **S127282786**
N/A

Click here for full text details

NY BROWNFIELDS
Site Code 333571

A14
SE
< 1/8
0.016 mi.
84 ft.

Relative:
Higher

PFIZER SITES B AND D
59-71 GERRY ST. AND 73-87 GERRY ST.
BROOKLYN, NY 11206

NY ENG CONTROLS **S106906497**
NY INST CONTROL **N/A**
NY VCP

Click here for full text details

NY ENG CONTROLS
Site Code 58206

NY INST CONTROL

PFIZER SITES B AND D (Continued) **S106906497**

Site Code 58206

NY VCP

Site Code 58206

A15
NE
< 1/8
0.016 mi.
84 ft.

Relative:
Higher

LOT 17,TAXBLOCK 2266
382 WALLABOUT STREET
BROOKLYN, NY 11206

NY E DESIGNATION **S110242356**
N/A

Click here for full text details

A16
NW
< 1/8
0.018 mi.
94 ft.

Relative:
Higher

LOT 48,TAXBLOCK 2250
289 WALLABOUT STREET
BROOKLYN, NY 11206

NY E DESIGNATION **S110242429**
N/A

Click here for full text details

A17
NNW
< 1/8
0.018 mi.
97 ft.

Relative:
Higher

LOT 46,TAXBLOCK 2250
291 WALLABOUT STREET
BROOKLYN, NY 11206

NY E DESIGNATION **S110242422**
N/A

Click here for full text details

A18
SSW
< 1/8
0.019 mi.
102 ft.

Relative:
Higher

LOT 1,TAXBLOCK 2266
HARRISON AVENUE
BROOKLYN, NY

NY E DESIGNATION **S110242337**
N/A

Click here for full text details

A19
NE
< 1/8
0.021 mi.
109 ft.

Relative:
Higher

LOT 18,TAXBLOCK 2266
384 WALLABOUT STREET
BROOKLYN, NY

NY E DESIGNATION **S110242358**
N/A

Click here for full text details

A20
SE
< 1/8
0.022 mi.
115 ft.

Relative:
Higher

VENT PIPE
63 GREY ROAD
SOUTH FALLSBURGH, NY

NY Spills **S111456487**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 1110386 / 2014-06-09
Site ID 458220
Spill Date 2011-11-21

A21
NE
< 1/8
0.025 mi.
134 ft.

Relative:
Higher

386-388 WALLABOUT STREET
386 WALLABOUT STREET
NEW YORK CITY, NY

NY VCP **S127989937**
N/A

Click here for full text details

A22
NE
< 1/8
0.025 mi.
134 ft.

Relative:
Higher

LOT 19,TAXBLOCK 2266
386 WALLABOUT STREET
BROOKLYN, NY

NY E DESIGNATION **S110242360**
N/A

Click here for full text details

A23
East
< 1/8
0.026 mi.
138 ft.

Relative:
Higher

PFIZER INC BROOKLYN PLANT
73 GERRY ST
BROOKLYN, NY 11206

RCRA-VSQG **1001079897**
FINDS **NYR000016048**
ECHO
NY MANIFEST

Click here for full text details

RCRA-VSQG
EPA Id NYR000016048

FINDS
Registry ID: 110004520091

ECHO
Registry ID 110004520091

NY MANIFEST
EPA ID NYR000016048

A24
East
< 1/8
0.026 mi.
138 ft.

Relative:
Higher

EMPTY LOT
73-87 GERRY STREET
BROOKLYN, NY

Click here for full text details

NY Spills
Spill Number/Closed Date 9704207 / 2006-11-14
Spill Number/Closed Date 9516449 / 2000-02-02
Site ID 218170
Site ID 137143
Spill Date 1996-05-14
Spill Date 1996-03-21

NY Spills
S104501441
N/A

A25
North
< 1/8
0.027 mi.
140 ft.

Relative:
Higher

LOT 45,TAXBLOCK 2250
WALLABOUT STREET
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION
S122872747
N/A

A26
East
< 1/8
0.027 mi.
143 ft.

Relative:
Higher

LOT 45,TAXBLOCK 2266
GERRY STREET
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION
S120838979
N/A

A27
North
< 1/8
0.028 mi.
146 ft.

Relative:
Higher

297 WALLABOUT STREET - OFF-SITE
295-297 WALLABOUT STREET
BROOKLYN, NY 11206

Click here for full text details

NY BROWNFIELDS
Site Code 613167

NY BROWNFIELDS
S127478123
N/A

A28
North
< 1/8
0.028 mi.
146 ft.

Relative:
Higher

CON EDISON
295 WALLABOUT ST
BROOKLYN, NY 11206

Click here for full text details

NY MANIFEST
EPA ID NYP004858587

NY MANIFEST
S117676297
N/A

A29
North
< 1/8
0.028 mi.
146 ft.

Relative:
Higher

295 W HOLDINGS LLC
295-297 WALLABOUT ST
BROOKLYN, NY 11206

RCRA NonGen / NLR

1026834013
NYR000249714

Click here for full text details

A30
North
< 1/8
0.028 mi.
146 ft.

Relative:
Higher

297 WALLABOUT STREET
295-297 WALLABOUT STREET
BROOKLYN, NY 11206

NY BROWNFIELDS

S125896291
N/A

Click here for full text details

NY BROWNFIELDS
Site Code 595787

A31
North
< 1/8
0.028 mi.
148 ft.

Relative:
Higher

297 WALLABOUT STREET - OER
297 WALLABOUT STREET
BROOKLYN, NY 11026

NY SHWS

S125316975
N/A

Click here for full text details

NY SHWS
Site Code 593197

A32
NE
< 1/8
0.030 mi.
159 ft.

Relative:
Higher

LOT 20,TAXBLOCK 2266
388 WALLABOUT STREET
BROOKLYN, NY

NY E DESIGNATION

S110242363
N/A

Click here for full text details

A33
SSW
< 1/8
0.030 mi.
161 ft.

Relative:
Higher

BAIS RUCHEL HIGH SCHOOL INC
177 HARRISON AVE
BROOKLYN, NY 11206

RCRA-LQG
NY MANIFEST
NJ MANIFEST

1014919590
NYR000183780

Click here for full text details

RCRA-LQG
EPA Id NYR000183780

NY MANIFEST
EPA ID NYR000183780

NJ MANIFEST
EPA Id NYR000183780

A34
North
< 1/8
0.030 mi.
161 ft.

Relative:
Higher

299-301 WALLABOUT STREET
299 WALLABOUT STREET
NEW YORK CITY, NY

Click here for full text details

NY VCP **S125316976**
N/A

A35
North
< 1/8
0.030 mi.
161 ft.

Relative:
Higher

LOT 44,TAXBLOCK 2250
299 WALLABOUT STREET
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION **S122872745**
N/A

A36
East
< 1/8
0.031 mi.
166 ft.

Relative:
Higher

LOT 41,TAXBLOCK 2266
GERRY STREET
BROOKLYN, NY

Click here for full text details

NY E DESIGNATION **S110242411**
N/A

A37
East
< 1/8
0.032 mi.
171 ft.

Relative:
Higher

CON EDISON
81 GERRY ST
BROOKLYN, NY 11206

Click here for full text details

NY MANIFEST
EPA ID NYP004849471

NY E DESIGNATION **S118463292**
NY MANIFEST **N/A**

A38
East
< 1/8
0.032 mi.
171 ft.

Relative:
Higher

GERRY PROJECT
81-85 GERRY ST
BROOKLYN, NY 11206

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000220517

RCRA NonGen / NLR **1018158976**
NYR000220517

A39
NNE
< 1/8
0.033 mi.
174 ft.

Relative:
Higher

LOT 43,TAXBLOCK 2250
301 WALLABOUT STREET
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION **S122872744**
N/A

A40
East
< 1/8
0.033 mi.
176 ft.

Relative:
Higher

LOT 47,TAXBLOCK 2266
83 GERRY STREET
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION **S122872751**
N/A

A41
East
< 1/8
0.033 mi.
176 ft.

Relative:
Higher

LOT 46,TAXBLOCK 2266
83 GERRY STREET
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION **S122872749**
N/A

A42
NE
< 1/8
0.035 mi.
183 ft.

Relative:
Higher

390 WALLABOUT STREET
390 WALLABOUT STREET
NEW YORK CITY, NY

Click here for full text details

NY VCP **S118943195**
N/A

A43
NE
< 1/8
0.035 mi.
183 ft.

Relative:
Higher

LOT 21,TAXBLOCK 2266
390 WALLABOUT STREET
BROOKLYN, NY

Click here for full text details

NY E DESIGNATION **S110242364**
N/A

A44
SSE
< 1/8
0.035 mi.
186 ft.

Relative:
Higher

ARLINGTON PRESS-191 HARRISON AVE
191 HARRISON AVE
BROOKLYN, NY 11206

Click here for full text details

RCRA-LQG
EPA Id NYD001513779

FINDS

RCRA-LQG **1000257521**
FINDS **NYD001513779**
ECHO

ARLINGTON PRESS-191 HARRISON AVE (Continued) **1000257521**

Registry ID: 110004335112
Registry ID: 110070148724

ECHO
Registry ID 110004335112

A45
SSE
< 1/8
0.035 mi.
186 ft.

Relative:
Higher

PFIZER INC. SITE BAND D **NY UST** **U004277386**
60-66 GERRY STREET **N/A**
BROOKLYN, NY 11206

Click here for full text details

B46
SSE
< 1/8
0.036 mi.
191 ft.

Relative:
Higher

58 GERRY ST LLC **NY Spills** **S121462321**
58 GERRY ST **N/A**
BROOKLYN, NY

Click here for full text details

NY Spills
Spill Number/Closed Date 1707889 / 2021-03-30
Site ID 564269
Spill Date 2017-11-17

A47
East
< 1/8
0.037 mi.
195 ft.

Relative:
Higher

FORMER JUST4WHEELS SITE **NY BROWNFIELDS** **S127478141**
89-91 GERRY STREET **N/A**
BROOKLYN, NY 11206

Click here for full text details

NY BROWNFIELDS
Site Code 616660

A48
East
< 1/8
0.037 mi.
196 ft.

Relative:
Higher

LOT 40,TAXBLOCK 2266 **NY E DESIGNATION** **S110242407**
91 GERRY STREET **N/A**
BROOKLYN, NY

Click here for full text details

A49
North
< 1/8
0.039 mi.
207 ft.

Relative: Higher

LOT 42,TAXBLOCK 2250
WALLABOUT STREET
BROOKLYN, NY 11206

NY E DESIGNATION **S122872743**
N/A

Click here for full text details

A50
NE
< 1/8
0.039 mi.
208 ft.

Relative: Higher

LOT 22,TAXBLOCK 2266
392 WALLABOUT STREET
BROOKLYN, NY

NY E DESIGNATION **S110242366**
N/A

Click here for full text details

A51
NNE
< 1/8
0.040 mi.
209 ft.

Relative: Higher

LOT 40,TAXBLOCK 2250
305 WALLABOUT STREET
BROOKLYN, NY 11206

NY E DESIGNATION **S110242406**
N/A

Click here for full text details

A52
WSW
< 1/8
0.040 mi.
209 ft.

Relative: Higher

MANHOLE 468
WALLABOUT ST/HARRISON AVE
BROOKLYN, NY

NY Spills **S104787837**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0005173 / 2001-10-25
Site ID 285893
Spill Date 2000-07-31

A53
WSW
< 1/8
0.040 mi.
210 ft.

Relative: Higher

CON EDISON SERVICE BOX: 20766
HARRISON AVE & WALLABOUT
BROOKLYN, NY 11206

RCRA NonGen / NLR **1016970900**
NY MANIFEST **NYP004446290**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004446290

NY MANIFEST
EPA ID NYP004446290

A54
WSW
< 1/8
0.040 mi.
210 ft.

Relative:
Higher

CON EDISON
HARRISSON & WALLABOUT ST
BROOKLYN, NY 11206

NJ MANIFEST | **S120668321**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004743332

A55
WSW
< 1/8
0.040 mi.
210 ft.

Relative:
Higher

CON EDISON
HARRISSON & WALLABOUT ST
BROOKLYN, NY 11206

RCRA NonGen / NLR
FINDS
ECHO
1018279510
NYP004743332

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004743332

FINDS
Registry ID: 110067691509

ECHO
Registry ID 110067691509

A56
WSW
< 1/8
0.040 mi.
210 ft.

Relative:
Higher

CON EDISON
HARRISSON & WALLABOUT ST
BROOKLYN, NY 11206

NY MANIFEST | **S117741123**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004743332

B57
ESE
< 1/8
0.041 mi.
216 ft.

Relative:
Higher

LOT 17,TAXBLOCK 2269
74 GERRY STREET
BROOKLYN, NY 11206

NY E DESIGNATION | **S110242357**
N/A

Click here for full text details

B58
SE
< 1/8
0.041 mi.
218 ft.

Relative:
Higher

LOT 14,TAXBLOCK 2269
GERRY STREET
BROOKLYN, NY 11206

NY E DESIGNATION | **S110242349**
N/A

Click here for full text details

A59
ENE
< 1/8
0.041 mi.
219 ft.

Relative:
Higher

FORMER JUST4WHEELS SITE 2
93 GERRY STREET
BROOKLYN, NY 11206

Click here for full text details

NY BROWNFIELDS
Site Code 618464

NY BROWNFIELDS **S110242402**
NY E DESIGNATION **N/A**

C60
WNW
< 1/8
0.042 mi.
220 ft.

Relative:
Higher

161 HARRISON AVENUE
161 HARRISON AVENUE
NEW YORK CITY, NY

Click here for full text details

NY VCP **S125316864**
N/A

C61
WNW
< 1/8
0.042 mi.
220 ft.

Relative:
Higher

LOT 4,TAXBLOCK 2250
161 HARRISON AVENUE
BROOKLYN, NY 11206

Click here for full text details

NY RES DECL **S110242404**
NY E DESIGNATION **N/A**

B62
SE
< 1/8
0.042 mi.
224 ft.

Relative:
Higher

LOT 16,TAXBLOCK 2269
GERRY STREET
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION **S110242354**
N/A

B63
ESE
< 1/8
0.043 mi.
227 ft.

Relative:
Higher

LOT 18,TAXBLOCK 2269
76 GERRY STREET
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION **S110242359**
N/A

C64
WSW
< 1/8
0.044 mi.
231 ft.

Relative:
Higher

LOT 37,TAXBLOCK 2249
174 HARRISON AVENUE
BROOKLYN, NY 11206

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NY E DESIGNATION **S121343923**
N/A

B65
ESE
< 1/8
0.044 mi.
232 ft.

Relative:
Higher

PFIZER INC. BROOKLYN PLANT
80 GERRY STREET
BROOKLYN, NY 11206

Click here for full text details

NY UST **U003418592**
N/A

A66
NE
< 1/8
0.044 mi.
233 ft.

Relative:
Higher

LOT 23,TAXBLOCK 2266
394 WALLABOUT STREET
BROOKLYN, NY

Click here for full text details

NY E DESIGNATION **S110242367**
N/A

C67
NW
< 1/8
0.045 mi.
235 ft.

Relative:
Higher

86-90 WALTON STREET - DOB JOB # 321064389
90 WALTON STREET
NEW YORK CITY, NY

Click here for full text details

NY VCP **S125317228**
N/A

C68
NW
< 1/8
0.045 mi.
235 ft.

Relative:
Higher

LOT 12,TAXBLOCK 2250
90 WALTON STREET
BROOKLYN, NY

Click here for full text details

NY E DESIGNATION **S110242344**
N/A

C69
NW
< 1/8
0.045 mi.
238 ft.

Relative:
Higher

LOT 10,TAXBLOCK 2250
88 WALTON STREET
BROOKLYN, NY 11206

Click here for full text details

NY RES DECL **S110242342**
NY E DESIGNATION **N/A**

B70
South
< 1/8
0.046 mi.
242 ft.

Relative:
Higher

V4821
48 GERRY STREET
NEW YORK CITY, NY 11206

Click here for full text details

RCRA NonGen / NLR **1007206956**
NY MANIFEST **NYP004034575**

RCRA NonGen / NLR
EPA Id NYP004034575

NY MANIFEST

V4821 (Continued) **1007206956**

EPA ID NYP004034575

A71
NNE
< 1/8
0.046 mi.
243 ft.

Relative:
Higher

LOT 38,TAXBLOCK 2250
307 WALLABOUT STREET
BROOKLYN, NY 11206

NY AST **U001841022**
NY E DESIGNATION **N/A**

Click here for full text details

NY AST
Facility Id 2-481343

A72
ENE
< 1/8
0.046 mi.
243 ft.

Relative:
Higher

LOT 38,TAXBLOCK 2266
95 GERRY STREET
BROOKLYN, NY 11206

NY E DESIGNATION **S116624674**
N/A

Click here for full text details

C73
NW
< 1/8
0.046 mi.
243 ft.

Relative:
Higher

160-163 HARRISON AVENUE, 86-90 WALTON STREET
86-90 WALTON STREET
BROOKLYN, NY 11206

NY UST **U004272332**
N/A

Click here for full text details

C74
NW
< 1/8
0.046 mi.
243 ft.

Relative:
Higher

HARRISON WALTON PROPERTY MANAGEMENT LLC
86-90 WALTON ST
BROOKLYN, NY 11206

NY MANIFEST **S118708624**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYR000226365

C75
NW
< 1/8
0.046 mi.
243 ft.

Relative:
Higher

HARRISON WALTON PROPERTY MANAGEMENT LLC
86-90 WALTON ST
BROOKLYN, NY 11206

RCRA NonGen / NLR **1018281259**
FINDS **NYR000226365**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000226365

FINDS
Registry ID: 110067676330

HARRISON WALTON PROPERTY MANAGEMENT LLC (Continued) **1018281259**

ECHO
Registry ID 110067676330

B76
South
< 1/8
0.046 mi.
245 ft.

Relative:
Higher

UNDER GROUND TRANFORMER VAULT
HARRISON AVE AND GERRY STREET
BROOKLYN, NY

NY Spills **S118459783**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 1508657 / 2016-02-10
Site ID 517229
Spill Date 2015-11-20

B77
South
< 1/8
0.046 mi.
245 ft.

Relative:
Higher

CON ED - MH 485
GERRY ST & HARRISON AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR **1007206268**
NY MANIFEST **NYP004006821**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004006821

NY MANIFEST
EPA ID NYP004006821

B78
South
< 1/8
0.047 mi.
247 ft.

Relative:
Higher

MANHOLE 1144
GERRY ST/HARRISON AV
BROOKLYN, NY

NY Spills **S106012844**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0300137 / 2003-07-18
Site ID 226631
Spill Date 2003-04-04

B79
South
< 1/8
0.047 mi.
247 ft.

Relative:
Higher

DRUM RUN
GERRY ST & HARRISON AVE INTERSECTION
BROOKLYN, NY

NY Spills **S109581900**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0900534 / 2009-04-20
Site ID 412477
Spill Date 2009-04-15

C80
NNW
< 1/8
0.047 mi.
247 ft.

Relative:
Higher

HOO CORP.
94 WALLTON STREET
BROOKLYN, NY 11206

Click here for full text details

NY UST **U004047146**
N/A

C81
NNW
< 1/8
0.047 mi.
247 ft.

Relative:
Higher

LOT 14,TAXBLOCK 2250
94 WALTON STREET
BROOKLYN, NY

Click here for full text details

NY E DESIGNATION **S110242347**
N/A

B82
ESE
< 1/8
0.048 mi.
255 ft.

Relative:
Higher

LOT 19,TAXBLOCK 2269
82 GERRY STREET
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION **S117675956**
N/A

A83
NE
< 1/8
0.049 mi.
260 ft.

Relative:
Higher

LOT 24,TAXBLOCK 2266
396 WALLABOUT STREET
BROOKLYN, NY

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NY E DESIGNATION **S117676042**
N/A

D84
ENE
< 1/8
0.051 mi.
268 ft.

Relative:
Higher

LOT 37,TAXBLOCK 2266
97 GERRY STREET
BROOKLYN, NY

Click here for full text details

NY E DESIGNATION **S116624673**
N/A

E85
NNE
< 1/8
0.052 mi.
277 ft.

Relative:
Higher

VARTEX INSTRUMENT CORP
311 WALLABOUT ST
BROOKLYN, NY 11206

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000084483

FINDS

RCRA NonGen / NLR **1004761306**
FINDS **NYR000084483**
ECHO
NY E DESIGNATION
NY MANIFEST

VARTEX INSTRUMENT CORP (Continued) **1004761306**

Registry ID: 110004561206

ECHO
Registry ID 110004561206

NY MANIFEST
EPA ID NYR000084483

C86
WNW
< 1/8
0.054 mi.
284 ft.

Relative:
Higher

LOT 8,TAXBLOCK 2250
157 HARRISON AVENUE
BROOKLYN, NY 11206

NY E DESIGNATION **S117676596**
N/A

Click here for full text details

C87
WNW
< 1/8
0.054 mi.
284 ft.

Relative:
Higher

LOT 7,TAXBLOCK 2250
157 HARRISON AVENUE
BROOKLYN, NY 11206

NY E DESIGNATION **S110242447**
N/A

Click here for full text details

C88
WNW
< 1/8
0.054 mi.
284 ft.

Relative:
Higher

LOT 6,TAXBLOCK 2250
157 HARRISON AVENUE
BROOKLYN, NY 11206

NY E DESIGNATION **S117676467**
N/A

Click here for full text details

D89
NE
< 1/8
0.054 mi.
284 ft.

Relative:
Higher

398 WALLABOUT STREET
398 WALLABOUT ST
BROOKLYN, NY

NY Spills **S104509519**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 9912454 / 2005-01-28
Site ID 152358
Spill Date 2000-01-31

D90
NE
< 1/8
0.054 mi.
284 ft.

Relative:
Higher

MAGIC AUTO REPAIR SHOP
398 WALLABOUT STREET
BROOKLYN, NY 11206

NY AST **A100294927**
N/A

Click here for full text details

NY AST
Facility Id 2-610019

D91
NE
< 1/8
0.054 mi.
284 ft.

Relative:
Higher

LOT 25,TAXBLOCK 2266
398 WALLABOUT STREET
BROOKLYN, NY

NY E DESIGNATION **S110242373**
N/A

Click here for full text details

D92
ENE
< 1/8
0.055 mi.
293 ft.

Relative:
Higher

LOT 36,TAXBLOCK 2266
99 GERRY STREET
BROOKLYN, NY

NY E DESIGNATION **S110242397**
N/A

Click here for full text details

B93
SSE
< 1/8
0.056 mi.
298 ft.

Relative:
Higher

ARLINGTON PRESS
191 HARRISON AVENUE
BROOKLYN, NY 11206

NJ MANIFEST **S120665298**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYD001513779

B94
SSE
< 1/8
0.056 mi.
298 ft.

Relative:
Higher

PFIZER INC
191 HARRISON AVE
BROOKLYN, NY 11206

NY E DESIGNATION **S117675753**
NY MANIFEST **N/A**

Click here for full text details

NY MANIFEST
EPA ID NYD001513779

E95
NNE
< 1/8
0.057 mi.
302 ft.

Relative:
Higher

313 WALLABOUT STREET
313 WALLABOUT STREET
NEW YORK CITY, NY

Click here for full text details

NY VCP **S125316993**
N/A

D96
East
< 1/8
0.058 mi.
308 ft.

Relative:
Higher

LOT 23,TAXBLOCK 2269
86 GERRY STREET
BROOKLYN, NY 11206

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NY E DESIGNATION **S110242368**
N/A

C97
NW
< 1/8
0.061 mi.
322 ft.

Relative:
Higher

IS 318
101 WALTON ST
BROOKLYN, NY 11206

Click here for full text details

RCRA NonGen / NLR
EPA Id NYD986953461

FINDS
Registry ID: 110004467229

ECHO
Registry ID 110004467229

NY MANIFEST
EPA ID NYD986953461

RCRA NonGen / NLR **1000552941**
FINDS **NYD986953461**
ECHO
NY MANIFEST

C98
NW
< 1/8
0.061 mi.
322 ft.

Relative:
Higher

I.S. 318 - BROOKLYN K318
101 WALTON STREET
BROOKLYN, NY 11206

Click here for full text details

NY AST
Facility Id 2-355682

NY AST **U003394304**
N/A

D99
East
< 1/8
0.062 mi.
328 ft.

Relative:
Higher

LOT 24,TAXBLOCK 2269
88 GERRY STREET
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION

S110242370
N/A

B100
SE
< 1/8
0.064 mi.
339 ft.

Relative:
Higher

LOT 49,TAXBLOCK 2269
37 BARTLETT STREET
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION

S110242432
N/A

B101
SE
< 1/8
0.064 mi.
339 ft.

Relative:
Higher

LOT 50,TAXBLOCK 2269
35 BARTLETT STREET
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION

S110242435
N/A

B102
SE
< 1/8
0.064 mi.
339 ft.

Relative:
Higher

LOT 48,TAXBLOCK 2269
39 BARTLETT STREET
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION

S110242430
N/A

B103
SE
< 1/8
0.064 mi.
339 ft.

Relative:
Higher

DEPT. OF HOUSING
37 TO 39 BARTLETT STREET
BROOKLYN, NY

Click here for full text details

NY Spills

NY Spills
Spill Number/Closed Date 0411736 / 2008-06-26
Site ID 336926
Spill Date 2005-02-02

S109059193
N/A

B104
SE
< 1/8
0.065 mi.
341 ft.

Relative:
Higher

LOT 47,TAXBLOCK 2269
41 BARTLETT STREET
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION

S110242427
N/A

B105
SSE
< 1/8
0.066 mi.
346 ft.

Relative:
Higher

LOT 52,TAXBLOCK 2269
31 BARTLETT STREET
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION

S110242437
N/A

B106
SE
< 1/8
0.066 mi.
346 ft.

Relative:
Higher

LOT 45,TAXBLOCK 2269
43 BARTLETT STREET
BROOKLYN, NY 11206

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NY E DESIGNATION

S110242419
N/A

D107
ENE
< 1/8
0.068 mi.
358 ft.

Relative:
Higher

LOT 34,TAXBLOCK 2266
82 THROOP AVENUE
BROOKLYN, NY

Click here for full text details

NY E DESIGNATION

S110242393
N/A

D108
ENE
< 1/8
0.068 mi.
358 ft.

Relative:
Higher

82 THROOP AVENUE - DOB JOB NO. NB - 320761733
82 THROOP AVENUE
NEW YORK CITY, NY

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NY VCP

S118943284
N/A

D109
East
< 1/8
0.068 mi.
359 ft.

Relative:
Higher

ON GROUND
90-92 GERRY STREET
BROOKLYN, NY

Click here for full text details

NY Spills

NY Spills
Spill Number/Closed Date 0411773 / 2008-06-26
Site ID 337051

NY Spills

S106737228
N/A

ON GROUND (Continued) **S106737228**

Spill Date 2005-02-03

D110
East
< 1/8
0.068 mi.
359 ft.

Relative:
Higher

LOT 25,TAXBLOCK 2269
90 GERRY STREET
BROOKLYN, NY 11206

NY E DESIGNATION **S110242374**
N/A

Click here for full text details

B111
ESE
< 1/8
0.068 mi.
360 ft.

Relative:
Higher

CON EDISON SERVICE BOX: 7013
47 BARTLETT ST
BROOKLYN, NY 11206

RCRA NonGen / NLR **1016967825**
NY MANIFEST **NYP004414231**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004414231

NY MANIFEST
EPA ID NYP004414231

B112
ESE
< 1/8
0.068 mi.
360 ft.

Relative:
Higher

LOT 43,TAXBLOCK 2269
47 BARTLETT STREET
BROOKLYN, NY 11206

NY E DESIGNATION **S110242416**
N/A

Click here for full text details

B113
SSE
< 1/8
0.069 mi.
365 ft.

Relative:
Higher

29 BARTLETT STREET
29 BARTLETT STREET
BROOKLYN, NY

NY Spills **S102150626**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 9506117 / 1995-08-24
Site ID 134249
Spill Date 1995-08-17

B114
SSE
< 1/8
0.069 mi.
365 ft.

Relative:
Higher

29-31 BARTLETT STREET — **NY AST** — **A100360413**
29-31 BARTLETT STREET — **N/A**
BROOKLYN, NY 11206

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NY AST
Facility Id 2-611766

D115
NE
< 1/8
0.069 mi.
366 ft.

Relative:
Higher

THROOP BUILDINGS — **RCRA-LQG** — **1015747317**
72 THROOP AVE — **NY MANIFEST** — **NYR000197897**
BROOKLYN, NY 11206

Click here for full text details

RCRA-LQG
EPA Id NYR000197897

NY MANIFEST
EPA ID NYR000197897

D116
NE
< 1/8
0.069 mi.
366 ft.

Relative:
Higher

CON EDISON — **NY MANIFEST** — **S117738928**
72 THROOP AV — **N/A**
BROOKLYN, NY 11206

Click here for full text details

NY MANIFEST
EPA ID NYP004720090

D117
NE
< 1/8
0.069 mi.
366 ft.

Relative:
Higher

CON EDISON — **NY MANIFEST** — **S119076255**
72-74 THROOP AVE & GERRY ST — **N/A**
BROOKLYN, NY 11234

Click here for full text details

NY MANIFEST
EPA ID NYP004801981

D118
NE
< 1/8
0.069 mi.
366 ft.

Relative:
Higher

CON EDISON — **NJ MANIFEST** — **S120673454**
72-74 THROOP AVE & GERRY ST — **N/A**
BROOKLYN, NY 11234

Click here for full text details

NJ MANIFEST
EPA Id NYP004801981

D119
NE
< 1/8
0.069 mi.
366 ft.

Relative:
Higher

CON EDISON
72-74 THROOP AVE & GERRY ST
BROOKLYN, NY 11234

RCRA NonGen / NLR
FINDS
ECHO

1019904770
NYP004801981

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004801981

FINDS
Registry ID: 110069648279

ECHO
Registry ID 110069648279

D120
NE
< 1/8
0.069 mi.
366 ft.

Relative:
Higher

72 THROOP AVENUE
72 THROOP AVENUE
NEW YORK CITY, NY

NY VCP

S118943194
N/A

Click here for full text details

D121
NE
< 1/8
0.069 mi.
366 ft.

Relative:
Higher

THROOP BUILDINGS
72 THROOP AVE
BROOKLYN, NY 11206

NJ MANIFEST

S117987473
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYR000197897

D122
NE
< 1/8
0.069 mi.
366 ft.

Relative:
Higher

LOT 29,TAXBLOCK 2266
72 THROOP AVENUE
BROOKLYN, NY

NY E DESIGNATION

S110242381
N/A

Click here for full text details

D123
NE
< 1/8
0.069 mi.
366 ft.

Relative:
Higher

74 THROOP AVE
74 THROOP AVE
NEW YORK CITY, NY

NY VCP

S127989960
N/A

Click here for full text details

D124
NE
< 1/8
0.069 mi.
366 ft.

Relative:
Higher

LOT 30,TAXBLOCK 2266
74 THROOP AVENUE
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION **S110242385**
N/A

C125
WNW
< 1/8
0.070 mi.
367 ft.

Relative:
Higher

CON EDISON MANHOLE: 20772
HARRISON AVE & WALTON ST
BROOKLYN, NY 11217

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004306916

FINDS
Registry ID: 110056327700

ECHO
Registry ID 110056327700

RCRA NonGen / NLR **1016451596**
FINDS **NYP004306916**
ECHO

C126
WNW
< 1/8
0.070 mi.
367 ft.

Relative:
Higher

CON EDISON MANHOLE: 466
WALTON ST & HARRISON AVE SW
BROOKLYN, NY 11217

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004306924

FINDS
Registry ID: 110056327719

ECHO
Registry ID 110056327719

RCRA NonGen / NLR **1016451597**
FINDS **NYP004306924**
ECHO

D127
ENE
< 1/8
0.070 mi.
367 ft.

Relative:
Higher

LOT 31,TAXBLOCK 2266
76 THROOP AVENUE
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION **S110242387**
N/A

D128
ENE
< 1/8
0.070 mi.
368 ft.

Relative:
Higher

CON EDISON - MANHOLE 493
78 THROOP AVE
BROOKLYN, NY 11206

NJ MANIFEST **S120666431**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004720009

D129
ENE
< 1/8
0.070 mi.
368 ft.

Relative:
Higher

CON EDISON
78 THROOP AVE
BROOKLYN, NY 11206

NY MANIFEST **S117738919**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004720009

D130
ENE
< 1/8
0.070 mi.
368 ft.

Relative:
Higher

78 THROOP AVE
78 THROOP AVENUE
BROOKLYN, NY 11206

NY UST **U004216876**
N/A

Click here for full text details

D131
ENE
< 1/8
0.070 mi.
368 ft.

Relative:
Higher

78-80 THROOP AVENUE
78 THROOP AVENUE
NEW YORK CITY, NY

NY VCP **S118943233**
N/A

Click here for full text details

D132
ENE
< 1/8
0.070 mi.
368 ft.

Relative:
Higher

CON EDISON - MANHOLE 493
78 THROOP AVE
BROOKLYN, NY 11206

RCRA-LQG **1019324741**
NYP004720009

Click here for full text details

RCRA-LQG
EPA Id NYP004720009

D133
ENE
< 1/8
0.070 mi.
368 ft.

Relative:
Higher

UNDERGROUND
78 THROOP AVE
BROOKLYN, NY

NY Spills **S112809841**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 1215332 / 2014-01-15
Site ID 478626
Spill Date 2013-02-05

E134
North
< 1/8
0.070 mi.
371 ft.

Relative:
Higher

116 WALTON STREET
116 WALTON STREET
NEW YORK CITY, NY

NY VCP **S118943348**
N/A

Click here for full text details

E135
North
< 1/8
0.070 mi.
371 ft.

Relative:
Higher

LOT 25,TAXBLOCK 2250
116 WALTON STREET
BROOKLYN, NY

NY E DESIGNATION **S110242372**
N/A

Click here for full text details

F136
ESE
< 1/8
0.071 mi.
375 ft.

Relative:
Higher

LOT 42,TAXBLOCK 2269
51 BARTLETT STREET
BROOKLYN, NY 11206

NY E DESIGNATION **S110242414**
N/A

Click here for full text details

E137
NNE
< 1/8
0.071 mi.
377 ft.

Relative:
Higher

LOT 33,TAXBLOCK 2250
66 THROOP AVENUE
BROOKLYN, NY 11206

NY E DESIGNATION **S110242391**
N/A

Click here for full text details

F138
ESE
< 1/8
0.072 mi.
382 ft.

Relative:
Higher

CON EDISON SERVICE BOX: 7015
49 BARTLET ST FRONT OF
BROOKLYN, NY 11206

RCRA NonGen / NLR
NY MANIFEST

1016960976
NYP004333621

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004333621

NY MANIFEST
EPA ID NYP004333621

D139
NE
< 1/8
0.073 mi.
383 ft.

Relative:
Higher

CON EDISON
FRONT OF 68 THROOP AV
BROOKLYN, NY 11206

NY MANIFEST

S117315286
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004624375

E140
NNE
< 1/8
0.073 mi.
383 ft.

Relative:
Higher

LOT 129,TAXBLOCK 2250
THROOP AVENUE
BROOKLYN, NY 11206

NY E DESIGNATION

S110242345
N/A

Click here for full text details

F141
ESE
< 1/8
0.073 mi.
387 ft.

Relative:
Higher

LOT 41,TAXBLOCK 2269
53 BARTLETT STREET
BROOKLYN, NY 11206

NY E DESIGNATION

S110242412
N/A

Click here for full text details

F142
ESE
< 1/8
0.075 mi.
398 ft.

Relative:
Higher

LOT 40,TAXBLOCK 2269
55 BARTLETT STREET
BROOKLYN, NY 11206

NY E DESIGNATION

S110242408
N/A

Click here for full text details

E143
NNE
< 1/8
0.076 mi.
399 ft.

Relative:
Higher

LOT 32,TAXBLOCK 2250
62 THROOP AVENUE
BROOKLYN, NY

Click here for full text details

NY E DESIGNATION

S110242389
N/A

C144
WSW
< 1/8
0.076 mi.
401 ft.

Relative:
Higher

LOT 41,TAXBLOCK 2249
249 WALLABOUT STREET
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION

S121343931
N/A

C145
WSW
< 1/8
0.076 mi.
401 ft.

Relative:
Higher

WALLABOUT PFIZER SITE A
249 WALLABOUT ST
BROOKLYN, NY 11206

Click here for full text details

RCRA-LQG
EPA Id NYR000245456

RCRA-LQG

1026059618
NYR000245456

D146
East
< 1/8
0.076 mi.
402 ft.

Relative:
Higher

LOT 27,TAXBLOCK 2269
84 THROOP AVENUE
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION

S110242377
N/A

F147
ESE
< 1/8
0.078 mi.
412 ft.

Relative:
Higher

LOT 39,TAXBLOCK 2269
57 BARTLETT STREET
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION
NY LEAD

S110242403
N/A

F148
ESE
< 1/8
0.078 mi.
412 ft.

Relative:
Higher

DRUM RUN
57 BARTLETT ST
BROOKLYN, NY

Click here for full text details

NY Spills
Spill Number/Closed Date 1311882 / 2014-05-13

NY Spills

S116553702
N/A

DRUM RUN (Continued) **S116553702**

Site ID 492812
Spill Date 2014-03-20

D149
East
< 1/8
0.079 mi.
415 ft.

Relative:
Higher

LOT 28,TAXBLOCK 2269
THROOP AVENUE
BROOKLYN, NY 11206

NY E DESIGNATION **S110242379**
N/A

Click here for full text details

E150
NNE
< 1/8
0.079 mi.
417 ft.

Relative:
Higher

LOT 29,TAXBLOCK 2250
56 THROOP AVENUE
BROOKLYN, NY

NY E DESIGNATION **S110242380**
N/A

Click here for full text details

E151
North
< 1/8
0.082 mi.
432 ft.

Relative:
Higher

THROOP UNITS LLC
52 THROOP AVE
BROOKLYN, NY 11206

PA MANIFEST **S123093926**
N/A

Click here for full text details

PA MANIFEST
Generator EPA Id NYR000231548

E152
North
< 1/8
0.082 mi.
432 ft.

Relative:
Higher

LOT 27,TAXBLOCK 2250
52 THROOP AVENUE
BROOKLYN, NY

NY E DESIGNATION **S110242376**
N/A

Click here for full text details

E153
North
< 1/8
0.082 mi.
432 ft.

Relative:
Higher

52-56 THROOP AVENUE
52 THROOP AVENUE
NEW YORK CITY, NY

NY VCP **S125317133**
N/A

Click here for full text details

E154
NNE
< 1/8
0.082 mi.
433 ft.

Relative:
Higher

THROOP UNITS LLC
54 THROOP AVE
BROOKLYN, NY 11206

NY E DESIGNATION **S110242378**
NY MANIFEST **N/A**

Click here for full text details

NY MANIFEST
EPA ID NYR000231548

E155
NNE
< 1/8
0.082 mi.
433 ft.

Relative:
Higher

THROOP UNITS LLC
54 THROOP AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR **1023679176**
NYR000231548

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000231548

D156
East
< 1/8
0.082 mi.
433 ft.

Relative:
Higher

LOT 29,TAXBLOCK 2269
88 THROOP AVENUE
BROOKLYN, NY 11206

NY E DESIGNATION **S110242382**
N/A

Click here for full text details

E157
NE
< 1/8
0.082 mi.
433 ft.

Relative:
Higher

WALLABOUT STREET AND
THROOP AVE
NEW YORK CITY, NY

NY Spills **S103936442**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 9900765 / 1999-06-22
Site ID 260055
Spill Date 1999-04-20

E158
NE
< 1/8
0.082 mi.
435 ft.

Relative:
Higher

CON EDISON - TRANSFORMER MANHOLE 198
WALLABOUT ST C 32W THROOP AVE
BROOKLYN, NY 11206

RCRA-LQG **1016967054**
NY MANIFEST **NYP004399176**

Click here for full text details

RCRA-LQG
EPA Id NYP004399176

NY MANIFEST
EPA ID NYP004399176

B159
SSE
< 1/8
0.084 mi.
442 ft.

Relative:
Higher

PFIZER INC BROOKLYN PLANT
13 BARTLETT STREET
BROOKLYN, NY 11206

NY Spills **S102150583**
NY MANIFEST **N/A**

Click here for full text details

NY Spills
Spill Number/Closed Date 9505760 / 1995-08-10
Site ID 278551
Spill Date 1995-08-09

NY MANIFEST
EPA ID NYD001374214

B160
SSE
< 1/8
0.084 mi.
442 ft.

Relative:
Higher

PFIZER INC
13 BARTLETT ST
BROOKLYN, NY 11206

CORRACTS **1000443177**
RCRA-LQG **NYD001374214**
RAATS
FINDS
ECHO

Click here for full text details

CORRACTS
EPA ID: NYD001374214

RCRA-LQG
EPA Id NYD001374214

RAATS
Status 02
Facility ID NYD001374214

FINDS
Registry ID: 110042026642

ECHO
Registry ID 110042026642

F161
ESE
< 1/8
0.084 mi.
443 ft.

Relative:
Higher

LOT 36,TAXBLOCK 2269
63 BARTLETT STREET
BROOKLYN, NY 11206

NY E DESIGNATION **S110242398**
N/A

Click here for full text details

D162
East
< 1/8
0.084 mi.
446 ft.

Relative:
Higher

LOT 30,TAXBLOCK 2269
90 THROOP AVENUE
BROOKLYN, NY 11206

NY E DESIGNATION

S110242386
N/A

Click here for full text details

G163
SW
< 1/8
0.085 mi.
447 ft.

Relative:
Higher

PFIZER INC BROOKLYN PLANT
338 WALLABOUT ST
BROOKLYN, NY 11206

RCRA NonGen / NLR
FINDS
ECHO
NY MANIFEST

1000871470
NY0000055384

Click here for full text details

RCRA NonGen / NLR
EPA Id NY0000055384

FINDS
Registry ID: 110000881920

ECHO
Registry ID 110000881920

NY MANIFEST
EPA ID NY0000055384

H164
SSE
< 1/8
0.086 mi.
453 ft.

Relative:
Higher

BARTLETT ST & HARRISON
BARTLETT STREET/HARRISON
BROOKLYN, NY

NY Spills

S106014127
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0330009 / 2003-05-16
Site ID 60814
Spill Date 2003-05-16

H165
SSE
< 1/8
0.086 mi.
453 ft.

Relative:
Higher

MANHOLE #73645
HARRISON AVE NEAR BARTLETT ST
BROOKLYN, NY

NY Spills

S106969804
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0504634 / 2005-09-23
Site ID 349511
Spill Date 2005-07-17

H166
South
< 1/8
0.087 mi.
458 ft.

Relative:
Higher

PFIZER INC
11 BARTLETT STREET
BROOKLYN, NY 11206

NJ MANIFEST **S109533642**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYD001374214

D167
East
< 1/8
0.087 mi.
458 ft.

Relative:
Higher

LOT 31,TAXBLOCK 2269
THROOP AVENUE
BROOKLYN, NY 11206

NY E DESIGNATION **S110242388**
N/A

Click here for full text details

F168
SE
< 1/8
0.089 mi.
470 ft.

Relative:
Higher

J&M AUTO SERVICE CORP.
30 BARTLETT STREET
BROOKLYN, NY 11206

NY UST **U004053200**
N/A

Click here for full text details

F169
SE
< 1/8
0.089 mi.
470 ft.

Relative:
Higher

LOT 9,TAXBLOCK 2272
30 BARTLETT STREET
BROOKLYN, NY 11206

NY E DESIGNATION **S110242451**
N/A

Click here for full text details

F170
SE
< 1/8
0.089 mi.
471 ft.

Relative:
Higher

24 BARTLETT STREET
24 BARTLETT STREET
NEW YORK CITY, NY

NY VCP **S125316941**
N/A

Click here for full text details

F171
SE
< 1/8
0.089 mi.
471 ft.

Relative:
Higher

LOT 6,TAXBLOCK 2272
24 BARTLETT STREET
BROOKLYN, NY

NY Spills **S110242445**
NY E DESIGNATION **N/A**

Click here for full text details

NY Spills
Spill Number/Closed Date 1910386 / 2020-03-10

LOT 6,TAXBLOCK 2272 (Continued) **S110242445**

Site ID 601024
Spill Date 2020-02-05

F172
SE
< 1/8
0.089 mi.
471 ft.

Relative:
Higher

ZBL BARTLETT LLC
24-28 BARTLETT STREET
BROOKLYN, NY 11206

NY UST **U004359105**
N/A

Click here for full text details

F173
SE
< 1/8
0.089 mi.
472 ft.

Relative:
Higher

LOT 11,TAXBLOCK 2272
36 BARTLETT STREET
BROOKLYN, NY

NY E DESIGNATION **S110242343**
N/A

Click here for full text details

F174
East
< 1/8
0.090 mi.
477 ft.

Relative:
Higher

LOT 35,TAXBLOCK 2269
65 BARTLETT STREET
BROOKLYN, NY 11206

NY E DESIGNATION **S110242395**
N/A

Click here for full text details

G175
WSW
< 1/8
0.091 mi.
478 ft.

Relative:
Higher

255 WALLABOUT ST/PFIZER
255 WALLABOUT STREET
NEW YORK CITY, NY

NY LTANKS **S102671554**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9005003 / 2006-11-14
Site ID 219704
Spill Date 1990-08-06

D176
NE
< 1/8
0.091 mi.
481 ft.

Relative:
Higher

THROOP TRANSMISSION
55 THROOP AVE
BROOKLYN, NY 11206

EDR Hist Auto **1021093924**
N/A

Click here for full text details

C177
West
< 1/8
0.091 mi.
483 ft.

Relative:
Higher

SERVICE BOX 7192
81 WALDEN ST
BROOKLYN, NY

NY Spills | **S104881340**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0010818 / 2002-01-11
Site ID 295955
Spill Date 2000-12-29

G178
SSW
< 1/8
0.091 mi.
483 ft.

Relative:
Lower

32 GERRIS ST/JAKE'S PROD
32 GERRIS ST
BROOKLYN, NY

NY Spills | **S102143040**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 9203595 / 1992-06-26
Site ID 250832
Spill Date 1992-06-26

H179
SSE
< 1/8
0.092 mi.
486 ft.

Relative:
Higher

16 BARTLETT STREET
16 BARTLETT STREET
NEW YORK CITY, NY

NY VCP | **S126339331**
N/A

Click here for full text details

D180
ENE
< 1/8
0.092 mi.
487 ft.

Relative:
Higher

RUSS LOUIS
81-87 THROOP AVE
BROOKLYN, NY 11216

EDR Hist Auto | **1020410489**
N/A

Click here for full text details

G181
SW
< 1/8
0.095 mi.
500 ft.

Relative:
Lower

LOT 14,TAXBLOCK 2265
334 WALLABOUT STREET
BROOKLYN, NY 11206

NY BROWNFIELDS
NY E DESIGNATION | **S121343849**
N/A

Click here for full text details

NY BROWNFIELDS
Site Code 579698

F182
East
< 1/8
0.095 mi.
502 ft.

Relative: Higher

LOT 33,TAXBLOCK 2269
69 BARTLETT STREET
BROOKLYN, NY 11206

NY Spills **S110242392**
NY E DESIGNATION **N/A**

Click here for full text details

NY Spills
Spill Number/Closed Date 2001570 / Not Reported
Site ID 606219
Spill Date 2020-06-03

E183
NNE
< 1/8
0.097 mi.
511 ft.

Relative: Higher

CON EDISON SERVICE BOX: 42764
45 THROOP AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR **1016967344**
NY MANIFEST **NYP004409629**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004409629

NY MANIFEST
EPA ID NYP004409629

H184
SSE
< 1/8
0.097 mi.
512 ft.

Relative: Higher

BARTLETT HARRISON ESTATES
207 HARRISON AVENUE
BROOKLYN, NY 11206

NY UST **U004317924**
N/A

Click here for full text details

H185
SSE
< 1/8
0.097 mi.
512 ft.

Relative: Higher

LOT 3,TAXBLOCK 2272
207 HARRISON AVENUE
BROOKLYN, NY

NY E DESIGNATION **S110242384**
N/A

Click here for full text details

H186
SSE
< 1/8
0.098 mi.
518 ft.

Relative: Higher

HARRISON DRY CLEANERS
209 HARRISON AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR **1000129464**
ICIS **NYD045446994**
US AIRS
NY MANIFEST

Click here for full text details

RCRA NonGen / NLR
EPA Id NYD045446994

ICIS

HARRISON DRY CLEANERS (Continued) **1000129464**

FRS ID: 110004355830

US AIRS
EPA plant ID: 110004456589

NY MANIFEST
EPA ID NYD045446994

H187 **HARRISON/YORKTOWN/ACE RAPID DRYCLEANERS** **NY DRYCLEANERS** **S106435386**
SSE **209 HARRISON AVENUE #A** **N/A**
< 1/8 **BROOKLYN, NY 11206**
0.098 mi.
518 ft.

Click here for full text details

Relative: Higher

NY DRYCLEANERS
Facility Id 2-6104-00956

H188 **ACE RAPID CLEANERS** **EDR Hist Cleaner** **1018500263**
SSE **209 HARRISON AVE** **N/A**
< 1/8 **BROOKLYN, NY 11206**
0.098 mi.
518 ft.

Click here for full text details

Relative: Higher

G189 **LOT 23,TAXBLOCK 2249** **NY E DESIGNATION** **S121343878**
WSW **WALTON STREET** **N/A**
< 1/8 **BROOKLYN, NY 11206**
0.100 mi.
526 ft.

Click here for full text details

Relative: Higher

H190 **LOT 108,TAXBLOCK 2272** **NY E DESIGNATION** **S110242341**
SE **BARTLETT STREET** **N/A**
< 1/8 **BROOKLYN, NY 11206**
0.101 mi.
535 ft.

Click here for full text details

Relative: Higher

I191
West
< 1/8
0.102 mi.
536 ft.

Relative:
Higher

HYDRO TECH
70 UNION AVENUE
BROOK LYN, NY 10001

NY Spills **S104193417**
NY MANIFEST **N/A**

Click here for full text details

NY Spills
Spill Number/Closed Date 9930010 / 2019-02-04
Spill Number/Closed Date 0702983 / 2011-05-25
Site ID 306367
Site ID 382817
Spill Date 1999-07-28
Spill Date 2007-06-12

NY MANIFEST
EPA ID NYR000146126

I192
West
< 1/8
0.102 mi.
536 ft.

Relative:
Higher

70 UNION AVENUE
70 UNION AVENUE
BROOKLYN, NY 11206

NY UST **U004078635**
N/A

Click here for full text details

I193
West
< 1/8
0.102 mi.
536 ft.

Relative:
Higher

CAS DEVELOPERS LLC
70 UNION AVE
BROOKLYN, NY 10001

RCRA-VSQG **1010329016**
NJ MANIFEST **NYR000146126**

Click here for full text details

RCRA-VSQG
EPA Id NYR000146126

NJ MANIFEST
EPA Id NYR000146126

I194
West
< 1/8
0.102 mi.
536 ft.

Relative:
Higher

RUBIN BOB
70 UNION AVE
BROOKLYN, NY 11206

EDR Hist Auto **1020573498**
N/A

Click here for full text details

I195
West
< 1/8
0.103 mi.
546 ft.

Relative:
Higher

LOT 149,TAXBLOCK 2245
WALTON STREET
BROOKLYN, NY 11206

NY E DESIGNATION

S110242351
N/A

Click here for full text details

H196
SSE
< 1/8
0.105 mi.
553 ft.

Relative:
Higher

LOT 55,TAXBLOCK 2272
659 FLUSHING AVENUE
BROOKLYN, NY 11206

NY E DESIGNATION

S110242443
N/A

Click here for full text details

J197
ENE
< 1/8
0.105 mi.
557 ft.

Relative:
Higher

CON EDISON SERVICE BOX: 8514
125 GERRY ST
BROOKLYN, NY 11206

RCRA NonGen / NLR
FINDS
ECHO
NY MANIFEST

1016677182
NYP004307450

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004307450

FINDS
Registry ID: 110058877504

ECHO
Registry ID 110058877504

NY MANIFEST
EPA ID NYP004307450

H198
SSE
< 1/8
0.106 mi.
562 ft.

Relative:
Higher

TULIP GROVE HOMES
661 FLUSHING AVE
BROOKLYN, NY 11206

NJ MANIFEST

S120678981
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYR000203539

H199
SSE
< 1/8
0.106 mi.
562 ft.

Relative:
Higher

TULIP GROVE HOMES
661 FLUSHING AVENUE
BROOKLYN, NY 11206

Click here for full text details

RCRA-LQG
EPA Id NYR000203539

RCRA-LQG **1016451761**
NYR000203539

H200
SSE
< 1/8
0.106 mi.
562 ft.

Relative:
Higher

TULIP GROVE HOMES
661 FLUSHING AVE
BROOKLYN, NY 11206

Click here for full text details

NY MANIFEST
EPA ID NYR000203539

NY E DESIGNATION **S110242442**
NY MANIFEST **N/A**

H201
SSE
< 1/8
0.106 mi.
562 ft.

Relative:
Higher

661 FLUSHING AVENUE
661 FLUSHING AVENUE
NEW YORK CITY, NY

Click here for full text details

NY VCP **S118943290**
N/A

H202
South
< 1/8
0.108 mi.
569 ft.

Relative:
Higher

MEL-BERN NUMBER FOUR CORP
645 FLUSHING AVE
BROOKLYN, NY 11206

Click here for full text details

EDR Hist Auto **1020379873**
N/A

H203
SSE
< 1/8
0.108 mi.
571 ft.

Relative:
Higher

BP SERVICE STATION #36714
655 FLUSHING AVENUE
BROOKLYN, NY 11206

Click here for full text details

NY UST **U001839090**
N/A

H204
SSE
< 1/8
0.108 mi.
571 ft.

Relative:
Higher

BP WEST COAST PRODUCTS LLC - BP 36714
655 FLUSHING AVE
BROOKLYN, NY 11206

NJ MANIFEST **S120678949**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYR000198119

H205
SSE
< 1/8
0.108 mi.
571 ft.

Relative:
Higher

BP WEST COAST PRODUCTS LLC - BP 36714
655 FLUSHING AVE
BROOKLYN, NY 11206

NY MANIFEST **S118091545**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYR000198119

H206
SSE
< 1/8
0.108 mi.
571 ft.

Relative:
Higher

P & C SERVICE STATION CORP
655 FLUSHING AVE
BROOKLYN, NY 11206

EDR Hist Auto **1020578141**
N/A

Click here for full text details

H207
SSE
< 1/8
0.108 mi.
571 ft.

Relative:
Higher

BP AMOCO STATION #12662
655 FLUSHING AVE
BROOKLYN, NY

NY Spills **S105141059**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0402082 / 2004-05-26
Spill Number/Closed Date 0104597 / 2021-03-26
Spill Number/Closed Date 8401982 / 2003-02-27
Site ID 264646
Site ID 196822
Site ID 196823
Spill Date 2004-05-25
Spill Date 2001-07-30
Spill Date 1984-10-26

H208
SSE
< 1/8
0.108 mi.
571 ft.

Relative:
Higher

BP WEST COAST PRODUCTS LLC - BP 36714
655 FLUSHING AVE
BROOKLYN, NY 11206

RCRA-SQG **1015754391**
NYR000198119

Click here for full text details

RCRA-SQG
EPA Id NYR000198119

H209
SSE
< 1/8
0.108 mi.
571 ft.

Relative:
Higher

BROADWAY TRIANGLE SITE A
663-667 FLUSHING AVENUE AND 29-31 BARTLETT STREET
BROOKLYN, NY 11206

NY BROWNFIELDS **S127990274**
N/A

Click here for full text details

NY BROWNFIELDS
Site Code 623113

H210
SSE
< 1/8
0.108 mi.
571 ft.

Relative:
Higher

LOT 53,TAXBLOCK 2272
663 FLUSHING AVENUE
BROOKLYN, NY 11206

NY E DESIGNATION **S110242440**
N/A

Click here for full text details

H211
SSE
< 1/8
0.110 mi.
582 ft.

Relative:
Higher

LOT 51,TAXBLOCK 2272
665 FLUSHING AVENUE
BROOKLYN, NY 11206

NY E DESIGNATION **S110242436**
N/A

Click here for full text details

H212
SSE
< 1/8
0.110 mi.
582 ft.

Relative:
Higher

LOT 52,TAXBLOCK 2272
665 FLUSHING AVENUE
BROOKLYN, NY 11206

NY E DESIGNATION **S110242438**
N/A

Click here for full text details

K213
East
< 1/8
0.112 mi.
590 ft.

Relative:
Higher

DRUM RUN
CORNER THROOP AVE AND BARTLETT ST
BROOKLYN, NY

NY Spills **S110308002**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 1000520 / 2010-05-05
Site ID 431688
Spill Date 2010-04-13

G214
WSW
< 1/8
0.112 mi.
591 ft.

Relative:
Higher

LOT 122,TAXBLOCK 2249
243 WALLABOUT STREET
BROOKLYN, NY 11206

NY E DESIGNATION

S121343844
N/A

Click here for full text details

G215
WSW
< 1/8
0.112 mi.
591 ft.

Relative:
Higher

FORMER PFIZER SITE A
243-271 WALLABOUT STREET
BROOKLYN, NY 11206

NY ENG CONTROLS
NY INST CONTROL
NY BROWNFIELDS

S123159099
N/A

Click here for full text details

NY ENG CONTROLS
Site Code 576972

NY INST CONTROL
Site Code 576972

NY BROWNFIELDS
Site Code 576972

K216
East
< 1/8
0.112 mi.
592 ft.

Relative:
Higher

BROADWAY TRIANGLE
THROOP AVE / BARTLETT ST
BROOKLYN, NY

NY Spills

S102143753
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 9212706 / 1999-06-28
Site ID 194234
Spill Date 1993-01-31

H217
SSE
< 1/8
0.113 mi.
595 ft.

Relative:
Higher

MANHOLE
HARRISON AVE AND FLUSHING
BROOKLYN, NY

NY Spills

S113406129
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 1300013 / 2013-05-14
Site ID 480319
Spill Date 2013-04-01

H218
SSE
< 1/8
0.113 mi.
595 ft.

Relative:
Higher

MANHOLE 20779
HARRISON AVE AND FLUSHING AVE
BROOKLYN, NY

NY Spills | **S113493064**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 1300441 / 2013-07-08
Site ID 480768
Spill Date 2013-04-13

H219
SSE
< 1/8
0.113 mi.
595 ft.

Relative:
Higher

VAULT 1336 & 1473
FLUSHING AVE & TOMPKINS
BROOKLYN, NY

NY Spills | **S106011290**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0211143 / 2003-09-29
Site ID 330346
Spill Date 2003-02-05

H220
SSE
< 1/8
0.114 mi.
600 ft.

Relative:
Higher

CON EDISON
2 TOMPKINS AVE
BROOKLYN, NY 11206

NJ MANIFEST | **S120668507**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004745469

H221
SSE
< 1/8
0.114 mi.
600 ft.

Relative:
Higher

CON EDISON
2 TOMPKINS AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR | **1018279705**
FINDS | **NYP004745469**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004745469

FINDS
Registry ID: 110067694926

ECHO
Registry ID 110067694926

H222
SSE
< 1/8
0.114 mi.
600 ft.

Relative:
Higher

CON EDISON
2 TOMPKINS AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR **1018279685**
NYP004745261

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004745261

H223
SSE
< 1/8
0.114 mi.
600 ft.

Relative:
Higher

CON EDISON - VAULT 1473
2 TOMPKINS AVE
BROOKLYN, NY 11206

NY MANIFEST **S121968586**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP005131800

H224
SSE
< 1/8
0.114 mi.
600 ft.

Relative:
Higher

CON EDISON
2 TOMPKINS AVE
BROOKLYN, NY 11206

NY MANIFEST **S117741302**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004745261
EPA ID NYP004745469

H225
SSE
< 1/8
0.114 mi.
600 ft.

Relative:
Higher

TRANSFORMER VAULT 1473
2 TOMPKINS AVE AT FLUSHING AVE
BROOKLYN, NY

NY Spills **S108294915**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0607919 / 2007-02-16
Site ID 371760
Spill Date 2006-10-11

H226
SSE
< 1/8
0.114 mi.
600 ft.

Relative:
Higher

CON EDISON
2 TOMPKINS AVE
BROOKLYN, NY 11206

NJ MANIFEST **S120668487**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004745261

H227
SSE
< 1/8
0.114 mi.
600 ft.

Relative:
Higher

CON EDISON - VAULT 1473
2 TOMPKINS AVE
BROOKLYN, NY 11206

RCRA-LQG **1024891655**
NYP005131800

Click here for full text details

RCRA-LQG
EPA Id NYP005131800

H228
SSE
< 1/8
0.114 mi.
600 ft.

Relative:
Higher

MANHOLE #42919
THOMPKINS & FLUSHING AVS
BROOKLYN, NY

NY Spills **S106016657**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0304585 / 2004-10-13
Site ID 65498
Spill Date 2003-07-30

H229
SSE
< 1/8
0.114 mi.
600 ft.

Relative:
Higher

CONED MANHOLE #7420
FLUSHING/THOMPKINS
BROOKLYN, NY

NY Spills **S106469230**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0401891 / 2004-09-09
Site ID 140065
Spill Date 2004-05-20

L230
North
< 1/8
0.115 mi.
606 ft.

Relative:
Higher

CON EDISON SERVICE BOX: 42766
147 WALTON ST
BROOKLYN, NY 11234

RCRA NonGen / NLR **1016967394**
NY MANIFEST **NYP004410114**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004410114

NY MANIFEST
EPA ID NYP004410114

J231
NE
< 1/8
0.115 mi.
606 ft.

Relative:
Higher

SOSA DIAGNOSTIC REPAIR INC.
620 BROADWAY
BROOKLYN, NY 11206

NY AST **A100304674**
N/A

Click here for full text details

NY AST
Facility Id 2-610529

H232
South
< 1/8
0.115 mi.
609 ft.

Relative:
Higher

ACP BK I LLC - 630 FLUSHING AVE
630 FLUSHING AVE
BROOKLYN, NY 11206

RCRA-LQG **1000458301**
ICIS **NYD986936904**
US AIRS
NJ MANIFEST

Click here for full text details

RCRA-LQG
EPA Id NYD986936904

ICIS
FRS ID: 110000323294

US AIRS
EPA plant ID: 110000323294

NJ MANIFEST
EPA Id NYD986936904

H233
South
< 1/8
0.115 mi.
609 ft.

Relative:
Higher

PFIZER INC. BROOKLYN PLANT
630 FLUSHING AVENUE
BROOKLYN, NY 11206

NY CBS **S100560594**
NY AST **N/A**
NY CBS AST

Click here for full text details

NY CBS
Facility Status Unregulated/Closed
CBS Number 2-000082

NY AST
Facility Id 2-000082

NY CBS AST
Facility Status IN SERVICE
Facility Status 1
CBS Number 2-000082

H234
South
< 1/8
0.115 mi.
609 ft.

Relative:
Higher

ACP BK I, LLC
630 FLUSHING AVENUE
BROOKLYN, NY 11206

NY UST **U004064026**
N/A

Click here for full text details

H235
South
< 1/8
0.115 mi.
609 ft.

Relative:
Higher

ACP BK I LLC - 630 FLUSHING AVE
630 FLUSHING AVE
BROOKLYN, NY 11206

NY Spills **S121488855**
NY AIRS **N/A**
NY MANIFEST

Click here for full text details

NY Spills
Spill Number/Closed Date 2009851 / 2021-03-26
Site ID 616867
Spill Date 2021-03-05

NY AIRS
DEC Id 2610400207

NY MANIFEST
EPA ID NYD986936904

H236
South
< 1/8
0.115 mi.
609 ft.

Relative:
Higher

FORMER PFIZER PROPERTY
630 FLUSHING AVE
BROOKLYN, NY 11206

NY LTANKS **U003074670**
NY AST **N/A**
NY VCP
NY Spills

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9901811 / 2006-03-31
Site ID 201034
Spill Date 1999-05-17

NY AST
Facility Id 2-017329

NY VCP
Site Code 56802

NY Spills
Spill Number/Closed Date 0203912 / 2003-09-17
Spill Number/Closed Date 9505769 / 1995-08-10
Spill Number/Closed Date 0013515 / 2003-06-16
Spill Number/Closed Date 9303325 / 2006-04-05
Spill Number/Closed Date 1011062 / 2014-01-14
Site ID 302547
Site ID 302548

FORMER PFIZER PROPERTY (Continued) **U003074670**

Site ID 201032
Site ID 201033
Site ID 444686
Spill Date 2002-07-14
Spill Date 1995-08-09
Spill Date 2001-03-27
Spill Date 1993-06-14
Spill Date 2011-02-01

M237
SE
< 1/8
0.116 mi.
611 ft.

Relative:
Higher

LOT 45,TAXBLOCK 2272
11 WHIPPLE STREET
BROOKLYN, NY

NY E DESIGNATION **S110242420**
N/A

Click here for full text details

H238
South
< 1/8
0.116 mi.
613 ft.

Relative:
Higher

MANHOLE 504
NW FLUSHING AVE/ BARTLETT
BROOKLYN, NY

NY Spills **S106968709**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0502983 / 2005-08-22
Site ID 347488
Spill Date 2005-06-11

H239
South
< 1/8
0.116 mi.
613 ft.

Relative:
Higher

VS 2097
FLUSHING AVE/BARTLETT ST
BROOKLYN, NY

NY Spills **S106967837**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0501710 / 2005-08-11
Site ID 345859
Spill Date 2005-05-11

H240
South
< 1/8
0.117 mi.
618 ft.

Relative:
Higher

MANHOLE #997
FLUSHING AVE & DELMONACO
BROOKLYN, NY

NY Spills **S103938828**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 9903465 / 1999-10-20
Site ID 172742
Spill Date 1999-06-25

J241
NE
< 1/8
0.118 mi.
623 ft.

Relative: Higher

CON EDISON SERVICE BOX: 15638
622 BROADWAY
BROOKLYN, NY 11249

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004512307

FINDS
Registry ID: 110063777685

RCRA NonGen / NLR
FINDS

1017773448
NYP004512307

J242
NE
< 1/8
0.118 mi.
623 ft.

Relative: Higher

CON EDISON
622 BROADWAY
BROOKLYN, NY 11249

Click here for full text details

NY MANIFEST
EPA ID NYP004512307

NY MANIFEST

S121967134
N/A

J243
NE
< 1/8
0.118 mi.
623 ft.

Relative: Higher

CON EDISON
622 BROADWAY
BROOKLYN, NY 11249

Click here for full text details

NY MANIFEST
EPA ID NYP004559654

NY MANIFEST

S117063540
N/A

J244
NE
< 1/8
0.118 mi.
623 ft.

Relative: Higher

CON EDISON
FRONT OF 622 BROADWAY
BROOKLYN, NY 11206

Click here for full text details

NY MANIFEST
EPA ID NYP004689915

NY MANIFEST

S121967243
N/A

J245
NE
< 1/8
0.118 mi.
623 ft.

Relative: Higher

CON EDISON SERVICE BOX: 15638
622 BROADWAY
BROOKLYN, NY 11249

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004559654

RCRA NonGen / NLR

1017778050
NYP004559654

N246
NW
< 1/8
0.118 mi.
623 ft.

Relative:
Higher

NYCT - BROADWAY-LORIMER SUBSTATION
143 LORIMER ST
BROOKLYN, NY 11206

RCRA-SQG
NY MANIFEST
NJ MANIFEST

1010787683
NYR000156547

Click here for full text details

RCRA-SQG
EPA Id NYR000156547

NY MANIFEST
EPA ID NYR000156547

NJ MANIFEST
EPA Id NYR000156547

M247
SE
< 1/8
0.118 mi.
624 ft.

Relative:
Higher

7 WHIPPLE STREET
7 WHIPPLE STREET
NEW YORK CITY, NY

NY VCP

S125317187
N/A

Click here for full text details

N248
NW
< 1/8
0.119 mi.
630 ft.

Relative:
Higher

CON EDISON - MANHOLE 391
133 HARRISON ST
BROOKLYN, NY 11206

RCRA-LQG

1024891027
NYP005064977

Click here for full text details

RCRA-LQG
EPA Id NYP005064977

N249
NW
< 1/8
0.119 mi.
630 ft.

Relative:
Higher

CON EDISON - MANHOLE 391
133 HARRISON ST
BROOKLYN, NY 11206

NY MANIFEST

S121967941
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP005064977

M250
SE
< 1/8
0.120 mi.
634 ft.

Relative:
Higher

LOT 49,TAXBLOCK 2272
WHIPPLE STREET
BROOKLYN, NY

NY E DESIGNATION

S110242433
N/A

Click here for full text details

L251
NNE
< 1/8
0.120 mi.
635 ft.

Relative:
Higher

ELLAYAH DELI GROCERY
590 BROADWAY
BROOKLYN, NY

NY Spills **S116554395**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 1400390 / 2014-04-11
Site ID 493627
Spill Date 2014-04-11

N252
NW
< 1/8
0.120 mi.
636 ft.

Relative:
Higher

LOT 54,TAXBLOCK 2242
151 LORIMER STREET
BROOKLYN, NY 11206

NY E DESIGNATION **S110242441**
N/A

Click here for full text details

N253
NW
< 1/8
0.120 mi.
636 ft.

Relative:
Higher

151 LORIMER STREET - DOB JOB NO. 320965354
151 LORIMER STREET
NEW YORK CITY, NY

NY VCP **S118943323**
N/A

Click here for full text details

N254
NW
< 1/8
0.121 mi.
637 ft.

Relative:
Higher

153 LORIMER STREET
153 LORIMER STREET
NEW YORK CITY, NY

NY VCP **S118943424**
N/A

Click here for full text details

N255
NW
< 1/8
0.121 mi.
637 ft.

Relative:
Higher

LOT 53,TAXBLOCK 2242
153 LORIMER STREET
BROOKLYN, NY 11206

NY E DESIGNATION **S110242439**
N/A

Click here for full text details

L256
NNE
< 1/8
0.123 mi.
647 ft.

Relative:
Higher

A G IGNITION
594 BROADWAY
BROOKLYN, NY 11206

EDR Hist Auto

1020200142
N/A

Click here for full text details

L257
NNE
< 1/8
0.123 mi.
647 ft.

Relative:
Higher

SUSION DEVELPORS LLC
594 BROADWAY
BROOKLYN, NY 11206

NY UST

U001330304
N/A

Click here for full text details

L258
NNE
< 1/8
0.123 mi.
647 ft.

Relative:
Higher

CITGO/ 594 BROADWAY
594 BROADWAY
BROOKLYN, NY

NY Spills

S102672996
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 9507227 / Not Reported
Site ID 74922
Spill Date 1995-08-31

L259
NNE
< 1/8
0.123 mi.
647 ft.

Relative:
Higher

RICHARDS AUTO REPAIR SHOP
594 BROADWAY
BROOKLYN, NY 99999

RCRA NonGen / NLR
FINDS
ECHO

1001482986
NYU005001185

Click here for full text details

RCRA NonGen / NLR
EPA Id NYU005001185

FINDS
Registry ID: 110008115128

ECHO
Registry ID 110008115128

N260
NNW
< 1/8
0.124 mi.
653 ft.

Relative:
Higher

165-169 LORIMER STREET
165-169 LORIMER STREET
BROOKLYN, NY 11206

Click here for full text details

NY UST **U004313177**
N/A

N261
NNW
< 1/8
0.124 mi.
653 ft.

Relative:
Higher

LOT 47,TAXBLOCK 2242
165 LORIMER STREET
BROOKLYN, NY 11206

Click here for full text details

NY E DESIGNATION **S110242425**
N/A

O262
NNW
< 1/8
0.125 mi.
658 ft.

Relative:
Higher

LOT 46,TAXBLOCK 2242
167 LORIMER STREET
BROOKLYN, NY

Click here for full text details

NY E DESIGNATION **S110242421**
N/A

L263
North
< 1/8
0.125 mi.
659 ft.

Relative:
Higher

LINDSAYS PARK DRY CLEANERS
584 BROADWAY
BROOKLYN, NY 11206

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EDR Hist Cleaner **1020028540**
N/A

L264
North
< 1/8
0.125 mi.
659 ft.

Relative:
Higher

CON EDISON - MANHOLE 15628
584 BROADWAY
BROOKLYN, NY 11206

Click here for full text details

RCRA-LQG
EPA Id NYP004306957

FINDS
Registry ID: 110056327737

ECHO
Registry ID 110056327737

NY MANIFEST

RCRA-LQG **1016451599**
FINDS **NYP004306957**
ECHO
NY MANIFEST

CON EDISON - MANHOLE 15628 (Continued) **1016451599**

EPA ID NYP004306957

O265
NNW
1/8-1/4
0.126 mi.
666 ft.

Relative:
Higher

169 LORIMER STREET **NY VCP** **S121133128**
169 LORIMER STREET **N/A**
NEW YORK CITY, NY

Click here for full text details

I266
West
1/8-1/4
0.127 mi.
671 ft.

Relative:
Higher

WALTON APARTMENTS **NY UST** **U004248210**
63 WALTON STREET **N/A**
BROOKLYN, NY 11206

Click here for full text details

267
SSW
1/8-1/4
0.127 mi.
672 ft.

Relative:
Lower

PFIZER (ORGANICS/SUCIAC BLOCK) **NY VCP** **S104323903**
CENTRAL PORTION OF PFIZER FACILITY, 630 FLUSHING A **N/A**
BROOKLYN, NY

Click here for full text details

NY VCP
Site Code 58107

K268
ESE
1/8-1/4
0.129 mi.
682 ft.

Relative:
Higher

THROOP AVENUE / BARTLETT STREET **NY UST** **U002034160**
THROOP AVENUE / BARTLETT STREET **N/A**
BROOKLYN, NY 11000

Click here for full text details

M269
SE
1/8-1/4
0.132 mi.
695 ft.

Relative:
Higher

CON EDISON **RCRA NonGen / NLR** **1014396428**
WHIPPLE ST & FLUSHING AVE **NJ MANIFEST** **NYP004186920**
BROOKLYN, NY 11206 **NY MANIFEST**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004186920

NJ MANIFEST
EPA Id NYP004186920

NY MANIFEST

CON EDISON (Continued) **1014396428**

EPA ID NYP004186920

N270
WNW
1/8-1/4
0.134 mi.
705 ft.

Relative:
Higher

CON EDISON - TRANSFORMER MANHOLE 200 **NJ MANIFEST** **S120677934**
HARRISON AVE & UNION AVE **N/A**
BROOKLYN, NY 11206

Click here for full text details

NJ MANIFEST
EPA Id NYP004875098

N271
WNW
1/8-1/4
0.134 mi.
705 ft.

Relative:
Higher

CON ED **NY MANIFEST** **S118563725**
HARRISON AVE & UNION AVE **N/A**
BROOKLYN, NY 11206

Click here for full text details

NY MANIFEST
EPA ID NYP004875098

N272
WNW
1/8-1/4
0.134 mi.
705 ft.

Relative:
Higher

CON EDISON - MANHOLE 392 **RCRA-LQG** **1014396246**
UNION AVE HARRISON AVE **NY MANIFEST** **NYP004184263**
BROOKLYN, NY 11206

Click here for full text details

RCRA-LQG
EPA Id NYP004184263

NY MANIFEST
EPA ID NYP004184263

N273
WNW
1/8-1/4
0.134 mi.
705 ft.

Relative:
Higher

CON EDISON - TRANSFORMER MANHOLE 200 **RCRA-LQG** **1019325975**
HARRISON AVE & UNION AVE **NYP004875098**
BROOKLYN, NY 11206

Click here for full text details

RCRA-LQG
EPA Id NYP004875098

N274
WNW
1/8-1/4
0.134 mi.
705 ft.

Relative:
Higher

CON EDISON - MANHOLE 392
UNION AVE HARRISON AVE
BROOKLYN, NY 11206

NJ MANIFEST **S120665719**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004184263

L275
North
1/8-1/4
0.136 mi.
717 ft.

Relative:
Higher

CON EDISON - TM 1358
THROOP AVE & LORIMER ST
BROOKLYN, NY 11206

RCRA NonGen / NLR **1008195668**
NY MANIFEST **NYP004111993**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004111993

NY MANIFEST
EPA ID NYP004111993

P276
WSW
1/8-1/4
0.137 mi.
724 ft.

Relative:
Lower

TM2554
322 WALLABOUT STREET
NEW YORK, NY 11231

RCRA NonGen / NLR **1007207456**
NYP004046181

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004046181

N277
WNW
1/8-1/4
0.137 mi.
725 ft.

Relative:
Higher

89 UNION AVENUE
89 UNION AVENUE
NEW YORK CITY, NY

NY VCP **S127094556**
N/A

Click here for full text details

N278
NW
1/8-1/4
0.138 mi.
726 ft.

Relative:
Higher

100 UNION AVENUE REDEVELOPMENT SITE
100 UNION AVENUE
BROOKLYN, NY 11206

NY BROWNFIELDS **S117676130**
NY E DESIGNATION **N/A**

Click here for full text details

NY BROWNFIELDS
Site Code 569083

N279
NW
1/8-1/4
0.138 mi.
726 ft.

Relative:
Higher

100 UNION AVENUE - DOB JOB NO. NB 320909326
100 UNION AVENUE
NEW YORK CITY, NY

NY VCP **S118943565**
N/A

Click here for full text details

Q280
West
1/8-1/4
0.138 mi.
727 ft.

Relative:
Higher

CON EDISON SERVICE BOX: 7907
55 WALTON ST
BROOKLYN, NY 11211

NJ MANIFEST **S120665941**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004288635

Q281
West
1/8-1/4
0.138 mi.
727 ft.

Relative:
Higher

CON EDISON SERVICE BOX: 7907
55 WALTON ST
BROOKLYN, NY 11211

RCRA NonGen / NLR **1016150192**
FINDS **NYP004288635**
ECHO
NY MANIFEST

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004288635

FINDS
Registry ID: 110055430644

ECHO
Registry ID 110055430644

NY MANIFEST
EPA ID NYP004288635

I282
West
1/8-1/4
0.139 mi.
736 ft.

Relative:
Higher

M.B.M. MFG.
70 LORIMER STREET
BROOKLYN, NY 11206

NY UST **U004047473**
N/A

Click here for full text details

K283
East
1/8-1/4
0.141 mi.
742 ft.

Relative:
Higher

CON EDISON
76 BARTLETT ST
BROOKLYN, NY 11206

NY MANIFEST **S119077394**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004829572

K284
East
1/8-1/4
0.141 mi.
742 ft.

Relative:
Higher

CON EDISON
76 BARTLETT ST
BROOKLYN, NY 11206

RCRA NonGen / NLR **1019907052**
FINDS **NYP004829572**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004829572

FINDS
Registry ID: 110069683541

ECHO
Registry ID 110069683541

K285
East
1/8-1/4
0.141 mi.
742 ft.

Relative:
Higher

CON EDISON
76 BARTLETT ST
BROOKLYN, NY 11206

NJ MANIFEST **S120675885**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004829572

J286
ENE
1/8-1/4
0.141 mi.
747 ft.

Relative:
Higher

CON EDISON
BROADWAY & GERRY ST
BROOKLYN, NY 11235

NJ MANIFEST **S120672812**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004794491

J287
ENE
1/8-1/4
0.141 mi.
747 ft.

Relative:
Higher

CON EDISON
BROADWAY & GERRY ST
BROOKLYN, NY 11235

RCRA NonGen / NLR **1019904164**
NYP004794509

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004794509

J288
ENE
1/8-1/4
0.141 mi.
747 ft.

Relative:
Higher

CON EDISON
BROADWAY & GERRY ST
BROOKLYN, NY 11235

NJ MANIFEST **S120672813**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004794509

J289
ENE
1/8-1/4
0.141 mi.
747 ft.

Relative:
Higher

CON EDISON
BROADWAY & GERRY ST
BROOKLYN, NY 11235

NY MANIFEST **S119075888**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004794509

J290
ENE
1/8-1/4
0.141 mi.
747 ft.

Relative:
Higher

CON EDISON
BROADWAY & GERRY ST
BROOKLYN, NY 11235

NY MANIFEST **S119075887**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004794491

J291
ENE
1/8-1/4
0.141 mi.
747 ft.

Relative:
Higher

CON EDISON
BROADWAY & GERRY ST
BROOKLYN, NY 11235

RCRA NonGen / NLR **1019904163**
FINDS **NYP004794491**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004794491

FINDS
Registry ID: 110069691756

ECHO

CON EDISON (Continued) **1019904163**

Registry ID 110069691756

M292
SE
1/8-1/4
0.142 mi.
750 ft.

Relative:
Higher

CON EDISON **NY MANIFEST** **S113917615**
OPP 2 WIPPLE STREET **N/A**
BROOKLYN, NY 11206

Click here for full text details

NY MANIFEST
EPA ID NYP004334926

M293
ESE
1/8-1/4
0.142 mi.
750 ft.

Relative:
Higher

CON EDISON SERVICE BOX: 7977 **RCRA NonGen / NLR** **1016961050**
18 WHIPPLE ST FRONT OF **NY MANIFEST** **NYP004334918**
BROOKLYN, NY 11206

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004334918

NY MANIFEST
EPA ID NYP004334918

K294
ESE
1/8-1/4
0.143 mi.
755 ft.

Relative:
Higher

UNITED TALMUDICAL ACADEMY **NY AST** **A100350459**
110 THROOP AVENUE **N/A**
BROOKLYN, NY 11211

Click here for full text details

NY AST
Facility Id 2-611321

J295
ENE
1/8-1/4
0.144 mi.
762 ft.

Relative:
Higher

CON EDISON **NJ MANIFEST** **S120667860**
648 BROADWAY **N/A**
BROOKLYN, NY 11206

Click here for full text details

NJ MANIFEST
EPA Id NYP004738043

J296
ENE
1/8-1/4
0.144 mi.
762 ft.

Relative:
Higher

CON EDISON
648 BROADWAY
BROOKLYN, NY 11206

NY MANIFEST **S117740630**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004738043

J297
ENE
1/8-1/4
0.144 mi.
762 ft.

Relative:
Higher

CON EDISON
648 BROADWAY
BROOKLYN, NY 11206

RCRA NonGen / NLR **1018279013**
FINDS **NYP004738043**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004738043

FINDS
Registry ID: 110067685160

ECHO
Registry ID 110067685160

K298
ESE
1/8-1/4
0.145 mi.
768 ft.

Relative:
Higher

CON EDISON
95 THROOP AVE
BROOKLYN, NY 11206

NJ MANIFEST **S120678585**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004884868

K299
ESE
1/8-1/4
0.145 mi.
768 ft.

Relative:
Higher

CON EDISON
95 THROOP AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR **1019909443**
FINDS **NYP004884868**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004884868

FINDS
Registry ID: 110069661645

ECHO
Registry ID 110069661645

Q300
West
1/8-1/4
0.147 mi.
777 ft.

Relative:
Higher

47 WALTON STREET
47 WALTON STREET
NEW YORK CITY, NY

NY VCP **S125317107**
N/A

Click here for full text details

O301
NNW
1/8-1/4
0.150 mi.
791 ft.

Relative:
Higher

196 MIDDLETON STREET
196 MIDDLETON STREET
NEW YORK CITY, NY

NY VCP **S118943474**
N/A

Click here for full text details

L302
North
1/8-1/4
0.150 mi.
793 ft.

Relative:
Higher

MTA NYCT - LORIMER ST STATION J-LINE
LORIMER ST & BROADWAY
BROOKLYN, NY 11206

RCRA NonGen / NLR **1004761237**
NY MANIFEST **NYR000082131**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000082131

NY MANIFEST
EPA ID NYR000082131

L303
North
1/8-1/4
0.150 mi.
793 ft.

Relative:
Higher

CON EDISON MANHOLE: 200
LORIMER ST & BROADWAY
BROOKLYN, NY 11206

RCRA NonGen / NLR **1016969930**
NY MANIFEST **NYP004436226**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004436226

NY MANIFEST
EPA ID NYP004436226

L304
North
1/8-1/4
0.150 mi.
793 ft.

Relative:
Higher

CON EDISON
LORIMER ST & BROADWAY
BROOKLYN, NY 11206

RCRA NonGen / NLR **1014396188**
NJ MANIFEST **NYP004183687**
NY MANIFEST

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004183687

NJ MANIFEST

CON EDISON (Continued) **1014396188**

EPA Id NYP004183687

NY MANIFEST
EPA ID NYP004183687

Q305
WSW
1/8-1/4
0.150 mi.
794 ft.

Relative:
Higher

45 WALTON STREET **NY VCP** **S118943517**
45 WALTON STREET **N/A**
NEW YORK CITY, NY

Click here for full text details

R306
ESE
1/8-1/4
0.154 mi.
812 ft.

Relative:
Higher

CON EDISON **NY MANIFEST** **S117062656**
34 WHIPPLE ST **N/A**
BROOKLYN, NY 11206

Click here for full text details

NY MANIFEST
EPA ID NYP004550265

R307
ESE
1/8-1/4
0.154 mi.
812 ft.

Relative:
Higher

CON EDISON TRANSFORMER VAULT: 201 **RCRA NonGen / NLR** **1017777139**
34 WHIPPLE ST **NYP004550265**
BROOKLYN, NY 11206

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004550265

R308
ESE
1/8-1/4
0.155 mi.
818 ft.

Relative:
Higher

CLOSED-LACKOF RECENT INFO **NY LTANKS** **S106703168**
113 THROOP AVE **N/A**
BROOKLYN, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 8707623 / 2003-03-04
Site ID 102990
Spill Date 1987-12-05

S309
SSE
1/8-1/4
0.156 mi.
824 ft.

Relative:
Higher

CON EDISON - VS 2314
93 HOPKINS ST
BROOKLYN, NY 11215

RCRA NonGen / NLR **1008195512**
NY MANIFEST **NYP004106852**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004106852

NY MANIFEST
EPA ID NYP004106852

R310
ESE
1/8-1/4
0.157 mi.
829 ft.

Relative:
Higher

ALL SAINTS R C CHURCH
115 THROOP AVE
BROOKLYN, NY 11206

NY UST **U000405431**
NY AST **N/A**

Click here for full text details

NY AST
Facility Id 2-364673

Q311
WSW
1/8-1/4
0.158 mi.
833 ft.

Relative:
Higher

ULTIMATE AUTO REPAIR CORP.
45 WALTON STREET
BROOKLYN, NY 11206

NY AST **A100178151**
N/A

Click here for full text details

NY AST
Facility Id 2-605910

S312
SSE
1/8-1/4
0.159 mi.
840 ft.

Relative:
Higher

CON EDISON
149 HOPKINS ST
BROOKLYN, NY 11206

RCRA NonGen / NLR **1016969041**
NY MANIFEST **NYP004426862**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004426862

NY MANIFEST
EPA ID NYP004722955
EPA ID NYP004426862

N313
NW
1/8-1/4
0.160 mi.
843 ft.

Relative:
Higher

CON EDISON
UNION AVE & MIDDLETON ST
BROOKLYN, NY 11211

NJ MANIFEST **S120676214**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004833097

N314
NW
1/8-1/4
0.160 mi.
843 ft.

Relative:
Higher

CON EDISON
UNION AVE & MIDDLETON ST
BROOKLYN, NY 11211

RCRA NonGen / NLR **1019907354**
FINDS **NYP004833097**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004833097

FINDS
Registry ID: 110069690864

ECHO
Registry ID 110069690864

N315
NW
1/8-1/4
0.160 mi.
843 ft.

Relative:
Higher

CON ED
UNION AVE & MIDDLETON ST
BROOKLYN, NY 11211

NY MANIFEST **S119077531**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004833097

T316
NNW
1/8-1/4
0.161 mi.
849 ft.

Relative:
Higher

NYCTA - 22 THROOP AVE
22 THROOP AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR **1000912691**
FINDS **NY0000902171**
ECHO
NY MANIFEST

Click here for full text details

RCRA NonGen / NLR
EPA Id NY0000902171

FINDS
Registry ID: 110000805898

ECHO
Registry ID 110000805898

NY MANIFEST

NYCTA - 22 THROOP AVE (Continued) **1000912691**

EPA ID NY0000902171

U317
East
1/8-1/4
0.162 mi.
853 ft.

Relative:
Higher

CON EDISON - MANHOLE 15641 **RCRA-LQG** **1014396248**
662 BROADWAY **NY MANIFEST** **NYP004184289**
BROOKLYN, NY 11206 **NJ MANIFEST**

Click here for full text details

RCRA-LQG
EPA Id NYP004184289

NY MANIFEST
EPA ID NYP004184289

NJ MANIFEST
EPA Id NYP004184289

N318
NW
1/8-1/4
0.164 mi.
866 ft.

Relative:
Higher

CONSOLIDATED EDISON **NY MANIFEST** **1009239144**
MIDDLETON & HARRISON **N/A**
BROOKLYN, NY 12201

Click here for full text details

NY MANIFEST
EPA ID NYP004057790

T319
North
1/8-1/4
0.164 mi.
868 ft.

Relative:
Higher

CON EDISON **NY MANIFEST** **S117535628**
OPP 23 THROOP AV **N/A**
BROOKLYN, NY 11201

Click here for full text details

NY MANIFEST
EPA ID NYP004678678

V320
West
1/8-1/4
0.167 mi.
883 ft.

Relative:
Higher

AVALON INDUSTRIES INC **RCRA NonGen / NLR** **1000290354**
95 LORIMER ST **FINDS** **NYD001233402**
BROOKLYN, NY 11206 **ECHO**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYD001233402

FINDS
Registry ID: 110060250044
Registry ID: 110004332810

AVALON INDUSTRIES INC (Continued) **1000290354**

ECHO
Registry ID 110004332810

U321
ENE
1/8-1/4
0.169 mi.
894 ft.

Relative:
Higher

CON EDISON
BARTLETT ST & BROADWAY
BROOKLYN, NY 11223

RCRA NonGen / NLR **1019325073**
NYP004791927

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004791927

U322
ENE
1/8-1/4
0.169 mi.
894 ft.

Relative:
Higher

CON EDISON
BARTLETT ST & BROADWAY
BROOKLYN, NY 11223

NY MANIFEST **S118256735**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004791927

U323
ENE
1/8-1/4
0.169 mi.
894 ft.

Relative:
Higher

CON EDISON
BARTLETT ST & BROADWAY
BROOKLYN, NY 11223

NJ MANIFEST **S120672588**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004791927

W324
NE
1/8-1/4
0.171 mi.
904 ft.

Relative:
Higher

CON EDISON
22-66 LEONARD ST
BROOKLYN, NY 11206

RCRA NonGen / NLR **1019909469**
FINDS **NYP004885196**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004885196

FINDS
Registry ID: 110069665384

ECHO
Registry ID 110069665384

W325
NE
1/8-1/4
0.171 mi.
904 ft.

Relative:
Higher

CON EDISON
22-66 LEONARD ST
BROOKLYN, NY 11206

NJ MANIFEST **S120678616**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004885196

P326
WSW
1/8-1/4
0.172 mi.
907 ft.

Relative:
Lower

CON EDISON MANHOLE: 38072
MARCY AVE & WALLABOUT ST
BROOKLYN, NY 11206

RCRA NonGen / NLR **1016971423**
NY MANIFEST **NYP004451639**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004451639

NY MANIFEST
EPA ID NYP004451639

X327
SE
1/8-1/4
0.172 mi.
908 ft.

Relative:
Higher

CON EDISON
161 HOPKINS ST
BROOKLYN, NY 11206

RCRA NonGen / NLR **1019909431**
FINDS **NYP004884744**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004884744

FINDS
Registry ID: 110069661529

ECHO
Registry ID 110069661529

X328
SE
1/8-1/4
0.172 mi.
908 ft.

Relative:
Higher

CON EDISON
161 HOPKINS ST
BROOKLYN, NY 11206

NJ MANIFEST **S120678575**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004884744

R329
ESE
1/8-1/4
0.173 mi.
914 ft.

Relative:
Higher

EMS BATT 57 @ WOODHULL HOSPITAL
131 THROOP AVENUE
BROOKLYN, NY 11206

NY AST

A100382393
N/A

Click here for full text details

NY AST
Facility Id 2-609575

R330
ESE
1/8-1/4
0.173 mi.
914 ft.

Relative:
Higher

CON EDISON
131 THROOP AVE
BROOKLYN, NY 11206

NY MANIFEST

S119077450
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004831042

R331
ESE
1/8-1/4
0.173 mi.
914 ft.

Relative:
Higher

CON EDISON
131 THROOP AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR
FINDS
ECHO

1019907176
NYP004831042

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004831042

FINDS
Registry ID: 110069687271

ECHO
Registry ID 110069687271

R332
ESE
1/8-1/4
0.173 mi.
914 ft.

Relative:
Higher

CON EDISON
131 THROOP AVE
BROOKLYN, NY 11206

NJ MANIFEST

S120676024
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004831042

R333
ESE
1/8-1/4
0.173 mi.
914 ft.

Relative:
Higher

EMS BATT 57 @ WOODHULL HOSPITAL
131 THROOP AVENUE
BROOKLYN, NY 11206

Click here for full text details

NY UST **U004046659**
N/A

Q334
WSW
1/8-1/4
0.175 mi.
923 ft.

Relative:
Higher

429 MARCY AVENUE
429 MARCY AVENUE
BROOKLYN, NY 11206

Click here for full text details

NY UST **U004045550**
N/A

Y335
SW
1/8-1/4
0.175 mi.
923 ft.

Relative:
Lower

NYCTA
FLUSHING & UNION AVE
BROOKLYN, NY 11206

Click here for full text details

NY MANIFEST
EPA ID NYR000043455

NY MANIFEST **S119078495**
N/A

Y336
SW
1/8-1/4
0.175 mi.
923 ft.

Relative:
Lower

CON EDISON MANHOLE: 38077
MARCY AVE & FLUSHING AVE
BROOKLYN, NY 11206

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004451571

NY MANIFEST
EPA ID NYP004451571

RCRA NonGen / NLR **1016971418**
NY MANIFEST **NYP004451571**

Y337
SW
1/8-1/4
0.175 mi.
923 ft.

Relative:
Lower

MTA NYCT - FLUSHING AVE STATION G LINE
FLUSHING & UNION AVE
BROOKLYN, NY 11206

Click here for full text details

RCRA-VSQG
EPA Id NYR000043455

NJ MANIFEST
EPA Id NYR000043455

RCRA-VSQG **1001203025**
NJ MANIFEST **NYR000043455**

Y338
SW
1/8-1/4
0.175 mi.
925 ft.

Relative:
Lower

V2107
2-48 GERRY
BROOKLYN, NY 11206

RCRA NonGen / NLR **1007206769**
NY MANIFEST **NYP004018420**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004018420

NY MANIFEST
EPA ID NYP004018420

Y339
SW
1/8-1/4
0.175 mi.
925 ft.

Relative:
Lower

V1821
2 GERRY STREET
BROOKLYN, NY 11206

RCRA NonGen / NLR **1007206768**
NY MANIFEST **NYP004018412**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004018412

NY MANIFEST
EPA ID NYP004018412

Z340
NW
1/8-1/4
0.176 mi.
931 ft.

Relative:
Higher

GEORGE ROYH
116 UNION AVENUE
BROOKLYN, NY 11206

NY UST **U003127205**
N/A

Click here for full text details

R341
ESE
1/8-1/4
0.177 mi.
932 ft.

Relative:
Higher

CON EDISON
701 FLUSHING AVE
BROOKLYN, NY 11206

NY MANIFEST **S121967538**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP005021290

R342
ESE
1/8-1/4
0.177 mi.
932 ft.

Relative:
Higher

CON EDISON - SERVICE BOX 7425
701 FLUSHING AVE
BROOKLYN, NY 11206

RCRA-LQG **1024890632**
NYP005021290

Click here for full text details

RCRA-LQG
EPA Id NYP005021290

AA343
WNW
1/8-1/4
0.178 mi.
939 ft.

Relative:
Higher

ANTONIA GONSALIS
118-120 HARRISON AVENUE
BROOKLYN, NY 11206

NY UST **U003418625**
N/A

Click here for full text details

AB344
WSW
1/8-1/4
0.180 mi.
952 ft.

Relative:
Lower

CON EDISON
MARCY AVE & WALTON ST
BROOKLYN, NY 11233

RCRA NonGen / NLR **1019325506**
NYP004832735

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004832735

AB345
WSW
1/8-1/4
0.180 mi.
952 ft.

Relative:
Lower

CON EDISON
MARCY AVE & WALTON ST
BROOKLYN, NY 11233

NJ MANIFEST **S120676180**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004832735

AB346
WSW
1/8-1/4
0.180 mi.
952 ft.

Relative:
Lower

CON ED
MARCY AVE & WALTON ST
BROOKLYN, NY 11233

NY MANIFEST **S118563497**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004832735

P347
SW
1/8-1/4
0.180 mi.
953 ft.

Relative:
Lower

CON EDISON MANHOLE: 473
442 MARCY AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR **1016973503**
NY MANIFEST **NYP004473062**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004473062

NY MANIFEST
EPA ID NYP004473062

Q348
WSW
1/8-1/4
0.181 mi.
954 ft.

Relative:
Higher

415-419 MARCY AVENUE
419 MARCY AVENUE
NEW YORK CITY, NY

NY VCP **S125317075**
N/A

Click here for full text details

U349
East
1/8-1/4
0.182 mi.
962 ft.

Relative:
Higher

CON EDISON - MANHOLE M15650
676 BROADWAY
BROOKLYN, NY 11206

RCRA-LQG **1024891304**
NYP005094628

Click here for full text details

RCRA-LQG
EPA Id NYP005094628

U350
East
1/8-1/4
0.182 mi.
962 ft.

Relative:
Higher

CON EDISON - MANHOLE M15650
676 BROADWAY
BROOKLYN, NY 11206

NY MANIFEST **S121968226**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP005094628

T351
NNW
1/8-1/4
0.182 mi.
963 ft.

Relative:
Higher

CON EDISON
OPP 21 THROOP AVE
BROOKLYN, NY 11206

NY MANIFEST **S117316137**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004633749

P352
SW
1/8-1/4
0.185 mi.
976 ft.

Relative:
Lower

CON EDISON MANHOLE: 475
298 WALLABOUT AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR **1016973498**
NY MANIFEST **NYP004473013**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004473013

NY MANIFEST
EPA ID NYP004473013

Q353
West
1/8-1/4
0.185 mi.
976 ft.

Relative:
Higher

FORMER CHARLES PFIZER & CO BCP C224175 SITE
407 MARCY AVE
BROOKLYN, NY 11206

RCRA-LQG
FINDS
NY E DESIGNATION
NY MANIFEST

1016451911
NYR000205047

Click here for full text details

RCRA-LQG
EPA Id NYR000205047

FINDS
Registry ID: 110056379814

NY MANIFEST
EPA ID NYR000205047

Z354
NNW
1/8-1/4
0.186 mi.
982 ft.

Relative:
Higher

120 UNION AVENUE
120 UNION AVENUE
NEW YORK CITY, NY

NY VCP

S125316801
N/A

Click here for full text details

Z355
NNW
1/8-1/4
0.186 mi.
982 ft.

Relative:
Higher

KNIGHTS COLLISION REPAIR
120- 150 UNION AVENUE
BROOKLYN, NY 11206

NY AST

A100412850
N/A

Click here for full text details

NY AST
Facility Id 2-608507

Z356
NNW
1/8-1/4
0.186 mi.
982 ft.

Relative:
Higher

KNIGHTS COLLISION & AUTO CARE CENTER
120 UNION AVENUE
BROOKLYN, NY 11206

RCRA NonGen / NLR
FINDS
ECHO
NY MANIFEST

1000235004
NYD012575643

Click here for full text details

RCRA NonGen / NLR
EPA Id NYD012575643

FINDS
Registry ID: 110019850375

ECHO
Registry ID 110019850375

NY MANIFEST

KNIGHTS COLLISION & AUTO CARE CENTER (Continued) **1000235004**

EPA ID NYD012575643

Z357
NNW
1/8-1/4
0.186 mi.
982 ft.

Relative:
Higher

KNIGHTS COLLISION REPAIR **NY UST** **U004244778**
120- 150 UNION AVENUE **N/A**
BROOKLYN, NY 11206

Click here for full text details

358
NNE
1/8-1/4
0.187 mi.
985 ft.

Relative:
Higher

LINDSAY PARK HOUSING CORP **NY LTANKS** **S109829698**
54 BOERUM ST **N/A**
BROOKLYLN, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0906148 / 2010-10-27
Site ID 418462
Spill Date 2009-08-26

AB359
WSW
1/8-1/4
0.190 mi.
1003 ft.

Relative:
Higher

CONSTRUCTION SITE **NY LTANKS** **S106970053**
420 MARCY AVE **NY Spills** **N/A**
BROOKLYN, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0505009 / 2005-11-04
Site ID 349949
Spill Date 2005-07-26

NY Spills
Spill Number/Closed Date 0505029 / 2005-07-26
Site ID 349981
Spill Date 2005-07-26

AB360
WSW
1/8-1/4
0.190 mi.
1003 ft.

Relative:
Higher

CGS BUILDER **RCRA NonGen / NLR** **1008404389**
420 MARCY AVE **NJ MANIFEST** **NYR000133769**
BROOKLYN, NY 11211

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000133769

NJ MANIFEST
EPA Id NYR000133769

V361
West
1/8-1/4
0.193 mi.
1018 ft.

Relative:
Higher

CON EDISON
80 LORIMER ST
BROOKLYN, NY 11211

NJ MANIFEST | **S120669657**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004758603

V362
West
1/8-1/4
0.193 mi.
1018 ft.

Relative:
Higher

CON EDISON
80 LORIMER ST
BROOKLYN, NY 11211

NY MANIFEST | **S118088308**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004758603

V363
West
1/8-1/4
0.193 mi.
1018 ft.

Relative:
Higher

CON EDISON
80 LORIMER ST
BROOKLYN, NY 11211

RCRA NonGen / NLR | **1018280946**
FINDS | **NYP004758603**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004758603

FINDS
Registry ID: 110067684633

ECHO
Registry ID 110067684633

R364
ESE
1/8-1/4
0.198 mi.
1047 ft.

Relative:
Higher

CON EDISON
THROOP AVE & FLUSHING AVE
BROOKLYN, NY 11233

RCRA NonGen / NLR | **1019906525**
FINDS | **NYP004822066**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004822066

FINDS
Registry ID: 110069659195

ECHO
Registry ID 110069659195

R365
ESE
1/8-1/4
0.198 mi.
1047 ft.

Relative:
Higher

CON EDISON
THROOP AVE & FLUSHING AVE
BROOKLYN, NY 11233

NJ MANIFEST | **S120675300**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004822066

AC366
SE
1/8-1/4
0.200 mi.
1058 ft.

Relative:
Higher

CON EDISON - SERVICE BOX 8549
185 HOPKINS ST
BROOKLYN, NY 11206

NJ MANIFEST | **S120667457**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004733754

AC367
SE
1/8-1/4
0.200 mi.
1058 ft.

Relative:
Higher

CON EDISON
185 HOPKINS ST
BROOKLYN, NY 11206

NY MANIFEST | **S117740216**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004733754

AC368
SE
1/8-1/4
0.200 mi.
1058 ft.

Relative:
Higher

CON EDISON - SERVICE BOX 8549
185 HOPKINS ST
BROOKLYN, NY 11206

RCRA-LQG | **1018278596**
NYP004733754

Click here for full text details

RCRA-LQG
EPA Id NYP004733754

U369
ENE
1/8-1/4
0.207 mi.
1094 ft.

Relative:
Higher

CON EDISON SERVICE BOX: 15159
12 MANHATTAN AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR
FINDS
ECHO
NY MANIFEST | **1016677659**
NYP004313276

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004313276

FINDS
Registry ID: 110058877149

ECHO

CON EDISON SERVICE BOX: 15159 (Continued) **1016677659**

Registry ID 110058877149

NY MANIFEST
EPA ID NYP004313276

AD370
ESE
1/8-1/4
0.207 mi.
1095 ft.

Relative:
Higher

709-715 FLUSHING AVE
709-715 FLUSHING AVE
BROOKLYN, NY 11206

NY AST **U004107550**
N/A

Click here for full text details

NY AST
Facility Id 2-610576

AE371
WNW
1/8-1/4
0.211 mi.
1112 ft.

Relative:
Higher

CON EDISON
135 MIDDLETON ST
BROOKLYN, NY 11206

NY MANIFEST **S119076119**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004799268

AE372
WNW
1/8-1/4
0.211 mi.
1112 ft.

Relative:
Higher

CON EDISON
135 MIDDLETON ST
BROOKLYN, NY 11206

RCRA NonGen / NLR **1019904541**
NYP004799268

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004799268

AE373
WNW
1/8-1/4
0.211 mi.
1112 ft.

Relative:
Higher

CON EDISON
135 MIDDLETON ST
BROOKLYN, NY 11206

NJ MANIFEST **S120673217**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004799268

V374
WNW
1/8-1/4
0.212 mi.
1120 ft.

Relative:
Higher

LUDWIG INDUSTRIES, INC
133 MIDDLETON STREET
BROOKLYN, NY 11206

Click here for full text details

NY UST **U000409019**
N/A

V375
WNW
1/8-1/4
0.212 mi.
1120 ft.

Relative:
Higher

LUDWIG INDUSTRIES INC
133 MIDDLETON ST
BROOKLYN, NY 11206

Click here for full text details

RCRA-VSQG
EPA Id NYD987034030

NY MANIFEST
EPA ID NYD987034030

RCRA-VSQG **1000872195**
NY MANIFEST **NYD987034030**

AA376
NW
1/8-1/4
0.214 mi.
1130 ft.

Relative:
Higher

NYNEX
HARRISON AVE & LYNCH ST
BROOKLYN, NY 11201

Click here for full text details

NY MANIFEST
EPA ID NYP000922641

NY MANIFEST **1009233897**
N/A

377
SSE
1/8-1/4
0.218 mi.
1149 ft.

Relative:
Higher

NYC DEPT OF EDUCATION - PS 148K
185 ELLERY ST
BROOKLYN, NY 11206

Click here for full text details

RCRA-SQG
EPA Id NYR000011163

NY MANIFEST
EPA ID NYR000011163

RCRA-SQG **1001028884**
NY MANIFEST **NYR000011163**

AF378
East
1/8-1/4
0.218 mi.
1153 ft.

Relative:
Higher

CON EDISON - SERVICE BOX 15646
685 BROADWAY
BROOKLYN, NY 11206

Click here for full text details

RCRA-LQG
EPA Id NYP004730065

RCRA-LQG **1018278246**
NYP004730065

AF379
East
1/8-1/4
0.218 mi.
1153 ft.

Relative:
Higher

CON EDISON | **NY MANIFEST** | **S117739915**
685 BROADWAY | **N/A**
BROOKLYN, NY 11206

Click here for full text details

NY MANIFEST
EPA ID NYP004730065

AD380
ESE
1/8-1/4
0.219 mi.
1156 ft.

Relative:
Higher

CON EDISON | **NY MANIFEST** | **S117314130**
719 FLUSHING AVE | **N/A**
BROOKLYN, NY 11206

Click here for full text details

NY MANIFEST
EPA ID NYP004611646

AB381
WSW
1/8-1/4
0.220 mi.
1161 ft.

Relative:
Lower

CON EDISON - MANHOLE 56039 | **RCRA-LQG** | **1014396224**
13 WALTON ST | **NY MANIFEST** | **NYP004184040**
BROOKLYN, NY 11206 | **NJ MANIFEST**

Click here for full text details

RCRA-LQG
EPA Id NYP004184040

NY MANIFEST
EPA ID NYP004184040

NJ MANIFEST
EPA Id NYP004184040

AG382
NNW
1/8-1/4
0.220 mi.
1164 ft.

Relative:
Higher

CON EDISON - TRANSFORMER MANHOLE TM226 | **NY MANIFEST** | **S123692470**
254 LYNCH ST | **N/A**
BROOKLYN, NY 11206

Click here for full text details

NY MANIFEST
EPA ID NYP005207307

Z383
NW
1/8-1/4
0.223 mi.
1179 ft.

Relative:
Higher

CON EDISON - MANHOLE M14473
239 LYNCH ST
BROOKLYN, NY 11206

NY MANIFEST **S120958900**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004973879

Z384
NW
1/8-1/4
0.223 mi.
1180 ft.

Relative:
Higher

CON EDISON - MANHOLE 14473
241 LYNCH ST / HARRISON AVE
BROOKLYN, NY 11206

RCRA-LQG **1014396169**
NY MANIFEST **NYP004183497**
NJ MANIFEST

Click here for full text details

RCRA-LQG
EPA Id NYP004183497

NY MANIFEST
EPA ID NYP004183497

NJ MANIFEST
EPA Id NYP004183497

AH385
ENE
1/8-1/4
0.224 mi.
1181 ft.

Relative:
Higher

CON EDISON - VAULT SUBMERSIBLE 5661
30 MANHATTAN AVE
BROOKLYN, NY 11206

RCRA-LQG **1024891213**
NYP005087006

Click here for full text details

RCRA-LQG
EPA Id NYP005087006

AH386
ENE
1/8-1/4
0.224 mi.
1181 ft.

Relative:
Higher

CON EDISON
30 MANHATTAN AVE
BROOKLYN, NY 11206

NY MANIFEST **S121968133**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP005087006

387
NNE
1/8-1/4
0.224 mi.
1182 ft.

Relative:
Higher

LINDSAY PARK HOUSING CORP
31 LEONARD STREET
BROOKLYN, NY 11206

NY UST **U003127541**
N/A

Click here for full text details

AD388
ESE
1/8-1/4
0.225 mi.
1188 ft.

Relative:
Higher

EMS @ WOODHULL HOSPITAL
720 FLUSHING AVE
BROOKLYN, NY 11206

NY UST **U003652107**
N/A

Click here for full text details

AE389
WNW
1/8-1/4
0.225 mi.
1189 ft.

Relative:
Higher

NYNEX
OPPOSITE 168 LYNCH ST
BROOKLYN, NY 11206

NY MANIFEST **1009233906**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP000922849

AG390
NNW
1/8-1/4
0.228 mi.
1202 ft.

Relative:
Higher

545 BROADWAY ASSOCIATES LLC
531 BROADWAY
BROOKLYN, NY 11206

NY UST **U004078502**
N/A

Click here for full text details

AG391
NNW
1/8-1/4
0.228 mi.
1202 ft.

Relative:
Higher

545 BROADWAY ASSOCIATES LLC
531 BROADWAY
BROOKLYN, NY 11206

NY AST **A100294838**
N/A

Click here for full text details

NY AST
Facility Id 2-603629

AH392
ENE
1/8-1/4
0.229 mi.
1209 ft.

Relative: Higher

CON EDISON SERVICE BOX: 9097
32 VARET ST
BROOKLYN, NY 11206

RCRA NonGen / NLR
NY MANIFEST

1016974417
NYP004482386

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RCRA NonGen / NLR
EPA Id NYP004482386

NY MANIFEST
EPA ID NYP004482386

AG393
North
1/8-1/4
0.230 mi.
1213 ft.

Relative: Higher

NYNEX
18 BOERUM STREET
BROOKLYN, NY 11206

NY TANKS

U003393772
N/A

Click here for full text details

NY TANKS
Site Status Inactive
Facility Id 2-344443

AH394
NE
1/8-1/4
0.232 mi.
1224 ft.

Relative: Higher

CON EDISON
46 MANHATTAN AVE
BROOKLYN, NY 11206

NY MANIFEST

S117064268
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004567442

AH395
NE
1/8-1/4
0.232 mi.
1224 ft.

Relative: Higher

CON EDISON SERVICE BOX: 15153
46 MANHATTAN AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR
FINDS

1017778792
NYP004567442

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004567442

FINDS
Registry ID: 110063822966

AI396
WSW
1/8-1/4
0.232 mi.
1225 ft.

Relative:
Lower

CON EDISON
274 WALLABOUT ST
BROOKLYN, NY 11206

RCRA NonGen / NLR
NJ MANIFEST
NY MANIFEST

1014396222
NYP004184024

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004184024

NJ MANIFEST
EPA Id NYP004184024

NY MANIFEST
EPA ID NYP004184024

AI397
WSW
1/8-1/4
0.234 mi.
1233 ft.

Relative:
Lower

LEE GARNES
5 WALTON STREET
BROOKLYN, NY 11206

NY AST

U003397088
N/A

Click here for full text details

NY AST
Facility Id 2-603290

AI398
WSW
1/8-1/4
0.234 mi.
1233 ft.

Relative:
Lower

CONSTRUCTION SITE
5 WALTON AVE
BROOKLYN, NY

NY LTANKS

S102960158
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9710662 / 2003-03-07
Site ID 162103
Spill Date 1997-12-18

AE399
West
1/8-1/4
0.234 mi.
1234 ft.

Relative:
Higher

CON EDISON MANHOLE: 38061
MARCY AVE & MIDDLETON ST SW
BROOKLYN, NY 11206

RCRA NonGen / NLR
FINDS
ECHO
NY MANIFEST

1016454072
NYP004302675

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004302675

FINDS
Registry ID: 110056495163

ECHO
Registry ID 110056495163

CON EDISON MANHOLE: 38061 (Continued) **1016454072**

NY MANIFEST
EPA ID NYP004302675

AE400
West
1/8-1/4
0.234 mi.
1234 ft.

Relative:
Higher

CON EDISON SERVICE BOX: 38059
MIDDLETON ST & MARCY AVE NE
BROOKLYN, NY 11206

RCRA NonGen / NLR **1016960804**
NY MANIFEST **NYP004329744**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004329744

NY MANIFEST
EPA ID NYP004329744

AE401
West
1/8-1/4
0.234 mi.
1234 ft.

Relative:
Higher

CON EDISON MANHOLE: 38061
MARCY AVE & MIDDLETON ST SW
BROOKLYN, NY 11206

RCRA NonGen / NLR **1016960872**
NY MANIFEST **NYP004331229**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004331229

NY MANIFEST
EPA ID NYP004331229

AC402
SE
1/8-1/4
0.234 mi.
1235 ft.

Relative:
Higher

CON EDISON
164 THROOP AVE
BROOKLYN, NY 11206

NJ MANIFEST **S120675233**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004821365

AC403
SE
1/8-1/4
0.234 mi.
1235 ft.

Relative:
Higher

CON EDISON
164 THROOP AVE
BROOKLYN, NY 11206

NY MANIFEST **S119077137**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004821365

AC404
SE
1/8-1/4
0.234 mi.
1235 ft.

Relative:
Higher

CON EDISON
164 THROOP AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR
FINDS
ECHO

1019906467
NYP004821365

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004821365

FINDS
Registry ID: 110069653850

ECHO
Registry ID 110069653850

AF405
East
1/8-1/4
0.236 mi.
1244 ft.

Relative:
Higher

CON EDISON
FO 697 BROADWAY
BROOKLYN, NY 11206

NY MANIFEST

S117313964
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004609749

AG406
NNW
1/8-1/4
0.237 mi.
1254 ft.

Relative:
Higher

SERVICE STATION
152 UNION AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR
FINDS
ECHO
NY MANIFEST

1000432489
NYD000824201

Click here for full text details

RCRA NonGen / NLR
EPA Id NYD000824201

FINDS
Registry ID: 110064036029
Registry ID: 110004332197

ECHO
Registry ID 110004332197

NY MANIFEST
EPA ID NYD000824201

AG407
NNW
1/8-1/4
0.237 mi.
1254 ft.

Relative:
Higher

BP SERVICE STATION #48360
152 UNION AVENUE
BROOKLYN, NY 11206

NY UST **U001833054**
NY Spills **N/A**

Click here for full text details

NY Spills
Spill Number/Closed Date 0230038 / 2018-12-18
Spill Number/Closed Date 0604829 / 2006-08-01
Site ID 205675
Site ID 367895
Spill Date 2002-01-22
Spill Date 2006-07-28

AG408
NNW
1/8-1/4
0.237 mi.
1254 ft.

Relative:
Higher

SERVICE STATION
152 UNION AVE
BROOKLYN, NY 11206

NJ MANIFEST **S117984767**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYD000824201

409
North
1/8-1/4
0.241 mi.
1270 ft.

Relative:
Higher

CON EDISON
BOERUM & LORIMER ST
BROOKLYN, NY

NY MANIFEST **S117537299**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004698437

AI410
WSW
1/8-1/4
0.241 mi.
1271 ft.

Relative:
Lower

NYCTA - WALTON STREET
WALTON & WALLABOUT ST
BROOKLYN, NY 11206

RCRA NonGen / NLR **1001090121**
NY MANIFEST **NYR000019547**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000019547

NY MANIFEST
EPA ID NYR000019547

AC411
SE
1/8-1/4
0.241 mi.
1275 ft.

Relative:
Higher

CON EDISON
168 THROOP AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR **1018279041**
NYP004738357

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004738357

AC412
SE
1/8-1/4
0.241 mi.
1275 ft.

Relative:
Higher

CON EDISON
168 THROOP AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR **1018279061**
FINDS **NYP004738571**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004738571

FINDS
Registry ID: 110067685400

ECHO
Registry ID 110067685400

AC413
SE
1/8-1/4
0.241 mi.
1275 ft.

Relative:
Higher

CON EDISON
168 THROOP AVE
BROOKLYN, NY 11206

NJ MANIFEST **S120667904**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004738571

AC414
SE
1/8-1/4
0.241 mi.
1275 ft.

Relative:
Higher

CON EDISON
168 THROOP AVE
BROOKLYN, NY 11206

NY MANIFEST **S117740680**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004738357
EPA ID NYP004738571

AC415
SE
1/8-1/4
0.241 mi.
1275 ft.

Relative:
Higher

CON EDISON
168 THROOP AVE
BROOKLYN, NY 11206

NJ MANIFEST | **S120667884**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004738357

AG416
NNW
1/8-1/4
0.241 mi.
1275 ft.

Relative:
Higher

VERIZON LOG 24051 MANHOLE 325
BROADWAY & BOERUM ST
BROOKLYN, NY 11206

RCRA NonGen / NLR | **1014917843**
NYP000961722

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP000961722

AF417
East
1/8-1/4
0.244 mi.
1287 ft.

Relative:
Higher

CON EDISON
BROADWAY & DEBEVOISE ST
BROOKLYN, NY 11206

RCRA NonGen / NLR | **1019902665**
NYP004776399

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004776399

AF418
East
1/8-1/4
0.244 mi.
1287 ft.

Relative:
Higher

CON EDISON
BROADWAY & DEBEVOISE ST
BROOKLYN, NY 11237

NJ MANIFEST | **S120675607**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004826572

AF419
East
1/8-1/4
0.244 mi.
1287 ft.

Relative:
Higher

CON EDISON
BROADWAY & DEBEVOISE ST
BROOKLYN, NY 11237

RCRA NonGen / NLR | **1019906799**
FINDS | **NYP004826572**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004826572

FINDS
Registry ID: 110069672018

ECHO

CON EDISON (Continued) **1019906799**

Registry ID 110069672018

AH420
NE
1/8-1/4
0.247 mi.
1303 ft.

Relative:
Higher

CON EDISON SERVICE BOX: 15152
50 MANHATTAN AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR
FINDS
ECHO
NY MANIFEST

1016454122
NYP004310744

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004310744

FINDS
Registry ID: 110056509158

ECHO
Registry ID 110056509158

NY MANIFEST
EPA ID NYP004310744

AI421
SW
1/8-1/4
0.248 mi.
1307 ft.

Relative:
Lower

CON EDISON - MANHOLE 478
573 FLUSHING AVE
BROOKLYN, NY 11206

RCRA-LQG
FINDS
ECHO
NY MANIFEST

1016678013
NYP004316972

Click here for full text details

RCRA-LQG
EPA Id NYP004316972

FINDS
Registry ID: 110058874552

ECHO
Registry ID 110058874552

NY MANIFEST
EPA ID NYP004316972

422
NE
1/8-1/4
0.249 mi.
1317 ft.

Relative:
Higher

CON ED - VS 5285
SEIGAL ST & MANHATTAN AVE
BROOKLYN, NY 11206

RCRA NonGen / NLR
NY MANIFEST

1007206261
NYP004006680

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004006680

CON ED - VS 5285 (Continued) **1007206261**

NY MANIFEST
EPA ID NYP004006680

423
NW
1/8-1/4
0.249 mi.
1317 ft.

Relative:
Higher

252 HEYWARD STREET **NY AST** **U003394638**
252 HEYWARD STREET **N/A**
BROOKLYN, NY 11206

Click here for full text details

NY AST
Facility Id 2-466867

AJ424
SE
1/4-1/2
0.257 mi.
1359 ft.

Relative:
Higher

171 THROOP AVENUE **NY VCP** **S127094528**
171 THROOP AVENUE **N/A**
NEW YORK CITY, NY

Click here for full text details

AJ425
SE
1/4-1/2
0.272 mi.
1435 ft.

Relative:
Higher

179 THROOP AVENUE **NY VCP** **S118943614**
179 THROOP AVENUE **N/A**
NEW YORK CITY, NY

Click here for full text details

426
ENE
1/4-1/2
0.278 mi.
1468 ft.

Relative:
Higher

35 GRAHM AVE. **NY LTANKS** **S102672170**
35 GRAHM AVE **N/A**
BROOKLYN, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9302281 / 1993-05-19
Site ID 68726
Spill Date 1993-05-19

427
WNW
1/4-1/2
0.284 mi.
1502 ft.

Relative:
Higher

UNITED STATES ARMORY
355 MARCY AVENUE
BROOKLYN, NY 11206

NY LTANKS **S103569544**
NY Spills **N/A**

Click here for full text details

NY LTANKS
Spill Number/Closed Date 8806820 / 1992-10-07
Site ID 135895
Spill Date 1988-11-15

NY Spills
Spill Number/Closed Date 9604202 / 2013-10-10
Spill Number/Closed Date 9514901 / 1996-02-21
Site ID 204041
Site ID 135896
Spill Date 1996-06-27
Spill Date 1996-02-21

AK428
WSW
1/4-1/2
0.289 mi.
1527 ft.

Relative:
Lower

SLATTERY STOVE SITE
171 WALLBOUT ST
BROOKLYN, NY 11206

SEMS-ARCHIVE **1000421759**
RCRA NonGen / NLR **NYD001288349**
PRP
ICIS
FINDS
ECHO
NY MANIFEST

Click here for full text details

SEMS-ARCHIVE
Site ID 0203594
EPA Id NYD001288349

RCRA NonGen / NLR
EPA Id NYD001288349

ICIS
FRS ID: 110004333374

FINDS
Registry ID: 110004333374

ECHO
Registry ID 110004333374

NY MANIFEST
EPA ID NYD001288349

AL429
NNW
1/4-1/2
0.293 mi.
1549 ft.

Relative:
Higher

ENGINE CO. 216/LADD. CO. 108 NYFD -DDC
187 UNION AVENUE
BROOKLYN, NY

NY LTANKS
NY Spills

S104073416
N/A

Click here for full text details

NY LTANKS

Spill Number/Closed Date 8607159 / 2005-01-13
Site ID 188778
Spill Date 1987-02-24

NY Spills

Spill Number/Closed Date 9807905 / 2013-09-04
Site ID 167947
Spill Date 1998-09-28

AK430
WSW
1/4-1/2
0.299 mi.
1581 ft.

Relative:
Lower

242 WALLABOUT STREET - DOB JOB NO. NB-301813278
242 WALLABOUT STREET
NEW YORK CITY, NY

NY VCP

S127989928
N/A

Click here for full text details

431
NW
1/4-1/2
0.300 mi.
1584 ft.

Relative:
Higher

BROOKLYN NORTH 03/03A DOS -DDC
306 RUTLEDGE STREET
BROOKLYN, NY

NY LTANKS
NY Spills

S104621574
N/A

Click here for full text details

NY LTANKS

Spill Number/Closed Date 8809462 / 2005-03-02
Spill Number/Closed Date 0001698 / 2008-06-23
Spill Number/Closed Date 9601941 / 2005-03-02
Site ID 132862
Site ID 127996
Site ID 127997
Spill Date 1988-11-02
Spill Date 2000-04-21
Spill Date 1996-05-09

NY Spills

Spill Number/Closed Date 9200212 / Not Reported
Site ID 292895
Spill Date 1992-04-07

AL432
NNW
1/4-1/2
0.310 mi.
1635 ft.

Relative:
Higher

JOHNSON AVE. & BROADWAY
JOHNSON AVE AND BROADWAY
BROOKLYN, NY

NY LTANKS **S100560449**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9305896 / 1993-08-13
Site ID 215550
Spill Date 1993-08-13

AM433
WSW
1/4-1/2
0.327 mi.
1726 ft.

Relative:
Lower

NOSTRAND AVE & FLUSHING A
NOSTRAND AVE & FLUSHING A
BROOKLYN, NY

NY LTANKS **S100782053**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9309562 / 1993-11-08
Site ID 170265
Spill Date 1993-11-08

AM434
WSW
1/4-1/2
0.332 mi.
1754 ft.

Relative:
Lower

535 FLUSHING AVE.
535 FLUSHING AVENUE
NEW YORK CITY, NY

NY VCP **S118943438**
N/A

Click here for full text details

AM435
WSW
1/4-1/2
0.346 mi.
1828 ft.

Relative:
Lower

527 FLUSHING AVENUE NEW BLDG.
527 FLUSHING AVENUE
NEW YORK CITY, NY

NY VCP **S118943225**
N/A

Click here for full text details

AN436
NNW
1/4-1/2
0.366 mi.
1934 ft.

Relative:
Higher

209 UNION AVENUE
209 UNION AVE - 90TH PCT
BROOKLYN, NY

NY LTANKS **S102672924**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9502048 / 1995-05-18
Site ID 322916
Spill Date 1995-05-18

AN437
NNW
1/4-1/2
0.366 mi.
1934 ft.

Relative:
Higher

90 PRECINCT NYPD -DDC
209 UNION AVENUE
BROOKLYN, NY

NY LTANKS **S102238705**
NY Spills **N/A**

Click here for full text details

NY LTANKS
Spill Number/Closed Date 8606252 / 2005-01-10
Site ID 85755
Spill Date 1987-01-07

NY Spills
Spill Number/Closed Date 0208387 / 2005-04-04
Spill Number/Closed Date 9512590 / 2013-09-24
Site ID 78258
Site ID 73529
Spill Date 2002-11-13
Spill Date 1996-01-10

438
WSW
1/4-1/2
0.377 mi.
1989 ft.

Relative:
Lower

CLOSED-LACKOF RECENT INFO
204 WALLABOUT ST
BROOKLYN, NY

NY LTANKS **S106703218**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 8801005 / 2003-03-05
Site ID 324576
Spill Date 1988-05-02

439
East
1/4-1/2
0.383 mi.
2023 ft.

Relative:
Higher

BUSHWICK -NYCHA
24 HUMBOLDT STREET
BROOKLYN, NY

NY LTANKS **S102143036**
NY Spills **N/A**

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9505310 / 2005-11-02
Site ID 315418
Spill Date 1995-07-31

NY Spills
Spill Number/Closed Date 9102670 / 1994-06-08
Spill Number/Closed Date 8908280 / 2013-05-30
Spill Number/Closed Date 9203554 / 1992-12-29
Spill Number/Closed Date 9204027 / 1992-07-07
Spill Number/Closed Date 0402157 / 2007-11-19
Spill Number/Closed Date 9010350 / 1994-11-16
Spill Number/Closed Date 9401533 / 1994-09-06
Site ID 207177
Site ID 138242
Site ID 273834
Site ID 273835

BUSHWICK -NYCHA (Continued) **S102143036**

Site ID 315415
Site ID 315416
Site ID 315417
Spill Date 1991-06-06
Spill Date 1989-11-20
Spill Date 1992-06-24
Spill Date 1992-07-07
Spill Date 2004-05-27
Spill Date 1990-12-24
Spill Date 1994-05-02

AO440
SW
1/4-1/2
0.386 mi.
2037 ft.

Relative:
Higher

BORDEN CHEMICAL **NY HSWDS** **S108146439**
56 NOSTRAND AVE. **N/A**
BROOKLYN, NY

Click here for full text details

441
SW
1/4-1/2
0.389 mi.
2055 ft.

Relative:
Higher

30 WARSOFF PLACE/BKLYN **NY LTANKS** **S100144944**
30 WARSOFF PLACE **N/A**
NEW YORK CITY, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 8708592 / 1992-09-30
Site ID 228023
Spill Date 1988-01-07

442
South
1/4-1/2
0.402 mi.
2125 ft.

Relative:
Higher

FORMER CASCADE LAUNDRY **NY ENG CONTROLS** **S118628301**
553 MARCY AVENUE **NY INST CONTROL** **N/A**
BROOKLYN, NY 11206 **NY BROWNFIELDS**

Click here for full text details

NY ENG CONTROLS
Site Code 495614

NY INST CONTROL
Site Code 495614

NY BROWNFIELDS
Site Code 495614

443
South
1/4-1/2
0.407 mi.
2147 ft.

Relative:
Higher

901 MYRTLE AVE
901 MYRTLE AVENUE
NEW YORK CITY, NY

NY VCP **S118943590**
N/A

Click here for full text details

444
NE
1/4-1/2
0.420 mi.
2216 ft.

Relative:
Higher

159 BOERUM STREET
159 BOERUM STREET
BROOKLYN, NY 11206

NY BROWNFIELDS **S123658106**
N/A

Click here for full text details

NY BROWNFIELDS
Site Code 582502

AO445
SW
1/4-1/2
0.424 mi.
2241 ft.

Relative:
Higher

MARCY HOUSES -NYCHA
603 PARK AVE
BROOKLYN, NY

NY LTANKS **S101102893**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9607616 / 2005-12-09
Spill Number/Closed Date 9611167 / 2007-12-11
Spill Number/Closed Date 9614725 / 2007-12-11
Spill Number/Closed Date 9315457 / 2016-01-20
Site ID 215887
Site ID 215888
Site ID 215889
Site ID 274622
Spill Date 1996-09-17
Spill Date 1996-12-10
Spill Date 1997-03-21
Spill Date 1992-07-07

AO446
SW
1/4-1/2
0.424 mi.
2241 ft.

Relative:
Higher

MARCY HOUSES -NYCHA
603 PARK AVE
BROOKLYN, NY

NY LTANKS **S105054636**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0100526 / 2003-12-09
Site ID 274620
Spill Date 2001-04-13

AP447
ENE
1/4-1/2
0.427 mi.
2254 ft.

Relative:
Higher

COOPER TANK & WELDING CO.
222-26 SIEGAL AVE
BROOKLYN, NY 11206

NY SWF/LF **S105841714**
N/A

Click here for full text details

AP448
ENE
1/4-1/2
0.429 mi.
2265 ft.

Relative:
Higher

BORINQUEN PLAZA
110 HUMBOLDT STREET
BROOKLYN, NY 11206

NY LTANKS **U002034215**
NY UST **N/A**

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9605290 / 2010-11-10
Site ID 86456
Spill Date 1996-07-24

AQ449
WSW
1/4-1/2
0.430 mi.
2268 ft.

Relative:
Higher

FORMER TECHTRONICS SITE B
480 FLUSHING AVENUE
BROOKLYN, NY 11205

NY SHWS **S121933852**
NY BROWNFIELDS **N/A**

Click here for full text details

NY SHWS
Site Code 548235

NY BROWNFIELDS
Site Code 578363

AR450
NE
1/4-1/2
0.430 mi.
2271 ft.

Relative:
Higher

TOP HAT CLEANERS
152 GRAHAM AVENUE
BROOKLYN, NY 11206

NY BROWNFIELDS **S106435385**
NY DRYCLEANERS **N/A**

Click here for full text details

NY BROWNFIELDS
Site Code 593072

NY DRYCLEANERS
Facility Id 2-6104-00962

AR451
NE
1/4-1/2
0.430 mi.
2271 ft.

Relative:
Higher

TOP HAT CLEANERS
152 GRAHAM AVE
BROOKLYN, NY 11206

RCRA-VSQG **1004758111**
NY SHWS **NYD986982908**
ICIS
US AIRS
NY MANIFEST

Click here for full text details

RCRA-VSQG
EPA Id NYD986982908

NY SHWS
Site Code 504341

ICIS
FRS ID: 110004480865

US AIRS
EPA plant ID: 110019715762

NY MANIFEST
EPA ID NYD986982908

AS452
SW
1/4-1/2
0.435 mi.
2295 ft.

Relative:
Higher

COMMERCIAL BUILDING
544 PARK AVE
BROOKLYN, NY

NY LTANKS **S108467904**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0613501 / 2008-07-01
Site ID 378545
Spill Date 2007-03-15

AQ453
WSW
1/4-1/2
0.439 mi.
2316 ft.

Relative:
Higher

TOLDOS YEHUDAH LLC
8 WALWORTH ST
BROOKLYN, NY 11205

CORRACTS **1000244308**
NY BROWNFIELDS **NYD000824334**
RCRA NonGen / NLR
NY MANIFEST

Click here for full text details

CORRACTS
EPA ID: NYD000824334

NY BROWNFIELDS
Site Code 552969

RCRA NonGen / NLR
EPA Id NYD000824334

NY MANIFEST

TOLDOS YEHUDAH LLC (Continued) **1000244308**

EPA ID NYD000824334

AQ454 **FORMER TECHTRONICS ECOLOGICAL CORP.** **NY SHWS** **S120706231**
WSW **8 WALWORTH STREET** **N/A**
1/4-1/2 **BROOKLYN, NY 11205**
0.439 mi.
2316 ft.

Relative: Higher

Click here for full text details

NY SHWS
Site Code 529340

AT455 **BORINQUEN PLAZA** **NY LTANKS** **U002034216**
NE **120 HUMBOLDT STREET** **NY UST** **N/A**
1/4-1/2 **BROOKLYN, NY 11206**
0.440 mi.
2321 ft.

Relative: Higher

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9807939 / 2010-10-28
Site ID 201928
Spill Date 1998-09-29

AS456 **NEW YORK CITY DEPARTMENT OF SANITATION BROOKLYN DI** **SEMS-ARCHIVE** **1000186343**
SW **559 PARK AVE** **RCRA NonGen / NLR** **NYD012497335**
1/4-1/2 **BROOKLYN, NY 11205**
0.442 mi.
2332 ft.

Relative: Higher

Click here for full text details

SEMS-ARCHIVE
Site ID 0201493
EPA Id NYD012497335

RCRA NonGen / NLR
EPA Id NYD012497335

---

457 **922 MYRTLE AVENUE** **NY VCP** **S121133153**
SSE **922 MYRTLE AVENUE** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.443 mi.
2340 ft.

Relative: Higher

Click here for full text details

AT458
NE
1/4-1/2
0.448 mi.
2368 ft.

Relative:
Higher

CONSOLIDATED EDISON
130 HUMBOLDT ST & MCKIBBIN ST
BROOKLYN, NY 11226

NY LTANKS
NY Spills
NY MANIFEST

S108058411
N/A

Click here for full text details

NY LTANKS

Spill Number/Closed Date 9905903 / 2004-01-08
Spill Number/Closed Date 9402292 / 2004-01-08
Site ID 233389
Site ID 74795
Spill Date 1999-08-17
Spill Date 1994-05-16

NY Spills

Spill Number/Closed Date 0604078 / 2006-08-15
Spill Number/Closed Date 8807903 / 1994-11-14
Site ID 366961
Site ID 74794
Spill Date 2006-07-12
Spill Date 1988-12-28

NY MANIFEST

EPA ID NYP004143533

459
NNE
1/4-1/2
0.450 mi.
2377 ft.

Relative:
Higher

MOST HOLY TRINITY RESIDENCE
157 GRAHAM AVE
BROOKLYN, NY 11211

NY LTANKS
NY UST

U001839612
N/A

Click here for full text details

NY LTANKS

Spill Number/Closed Date 0306650 / 2006-08-25
Site ID 131344
Spill Date 2003-09-23

460
ESE
1/4-1/2
0.450 mi.
2377 ft.

Relative:
Higher

CONWAY/EMPTY BUILDING - TTF
815 BROADWAY
BROOKLYN, NY

NY LTANKS

S113406309
N/A

Click here for full text details

NY LTANKS

Spill Number/Closed Date 1215990 / 2015-01-20
Site ID 479335
Spill Date 2013-03-01

461
ENE
1/4-1/2
0.451 mi.
2382 ft.

Relative:
Higher

CON ED
130 MOORE ST
BROOKLYN, NY 11206

NY LTANKS **S105999336**
NY MANIFEST **N/A**

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0303435 / 2003-07-02
Site ID 264329
Spill Date 2003-07-02

NY MANIFEST
EPA ID NYP004851693

AP462
ENE
1/4-1/2
0.453 mi.
2392 ft.

Relative:
Higher

CON EDISON
155 SIEGEL ST
BROOKLYN, NY 11201

NY LTANKS **S102959968**
NY MANIFEST **N/A**

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9100258 / 1998-01-12
Spill Number/Closed Date 9711438 / 2010-07-12
Site ID 327446
Site ID 327447
Spill Date 1991-04-05
Spill Date 1998-01-12

NY MANIFEST
EPA ID NYP004641676

463
SSE
1/4-1/2
0.455 mi.
2400 ft.

Relative:
Higher

948 MYRTLE AVENUE
948 MYRTLE AVENUE
NEW YORK CITY, NY

NY VCP **S118943520**
N/A

Click here for full text details

AQ464
WSW
1/4-1/2
0.458 mi.
2417 ft.

Relative:
Higher

11 SPENCER STREET
11 SPENCER STREET
BROOKLYN, NY 11205

NY BROWNFIELDS **S117362879**
NY Spills **N/A**
NY MANIFEST

Click here for full text details

NY BROWNFIELDS
Site Code 503018

NY Spills
Spill Number/Closed Date 1406369 / Not Reported

11 SPENCER STREET (Continued) **S117362879**

Site ID 499834
Spill Date 2014-09-15

NY MANIFEST
EPA ID NYR000235333

465
SSW
1/4-1/2
0.468 mi.
2469 ft.

Relative:
Higher

802-806 MYRTLE AVENUE **NY VCP** **S125317211**
806 MYRTLE AVENUE **N/A**
NEW YORK CITY, NY

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AQ466
WSW
1/4-1/2
0.478 mi.
2524 ft.

Relative:
Higher

12 SPENCER STREET **NY SHWS** **S123159094**
12 SPENCER STREET **NY BROWNFIELDS** **N/A**
BROOKLYN, NY 11205

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NY SHWS
Site Code 590121

NY BROWNFIELDS
Site Code 576204

467
WSW
1/4-1/2
0.483 mi.
2551 ft.

Relative:
Lower

SPILL NUMBER 9812897 **NY LTANKS** **S104619936**
2 LYCH ST **N/A**
BROOKLYN, NY

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NY LTANKS
Spill Number/Closed Date 9812897 / 2002-10-17
Site ID 71985
Spill Date 1999-01-20

468
WSW
1/4-1/2
0.484 mi.
2556 ft.

Relative:
Higher

14 SPENCER ST/NORELL INDU **NY LTANKS** **S100145821**
14 SPENCER STREET **N/A**
NEW YORK CITY, NY

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NY LTANKS
Spill Number/Closed Date 8910010 / 2003-02-13
Site ID 81726
Spill Date 1990-01-18

469
ENE
1/4-1/2
0.486 mi.
2568 ft.

Relative:
Higher

BORINQUEN HOUSES
330 BUSHWICK AVENUE
BROOKLYN, NY 11206

NY LTANKS **U002034218**
NY UST **N/A**
NY Spills

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NY LTANKS
Spill Number/Closed Date 9601914 / 2005-12-09
Site ID 63348
Spill Date 1996-05-08

NY Spills
Spill Number/Closed Date 9613967 / 2010-10-28
Site ID 142069
Spill Date 1995-03-14

470
South
1/4-1/2
0.495 mi.
2614 ft.

Relative:
Higher

74 VERNON AVENUE
74 VERNON AVENUE
NEW YORK CITY, NY

NY VCP **S118943476**
N/A

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471
SE
1/4-1/2
0.497 mi.
2626 ft.

Relative:
Higher

BEDFORD AUTO SALES
984 MYRTLE AVE
BROOKLYN, NY 11206

NY SWF/LF **S108145701**
N/A

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AU472
WSW
1/2-1
0.559 mi.
2950 ft.

Relative:
Higher

K - SKILLMAN ST. STATION
7 SKILLMAN STREET
BROOKLYN, NY 11205

NY SHWS **S109321184**
NY BROWNFIELDS **N/A**

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NY SHWS
Site Code 379003

NY BROWNFIELDS
Site Code 57409

AU473
WSW
1/2-1
0.560 mi.
2957 ft.

Relative:
Higher

SKILLMAN STATION
SKILLMAN ST. FLUSHING AND BEDFORD AVES., AND PARK ST
BROOKLYN, NY 11205

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EDR MGP **1008407900**
N/A

474
WSW
1/2-1
0.582 mi.
3071 ft.

Relative:
Higher

NASSAU GAS
SKILLMAN AVE
BROOKLYN, NY 11205

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EDR MGP **1008407895**
N/A

475
WSW
1/2-1
0.610 mi.
3220 ft.

Relative:
Higher

KOLLMORGAN OPTICAL

NO CITY, NY

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FUDS **1024899324**
N/A

476
WSW
1/2-1
0.694 mi.
3663 ft.

Relative:
Higher

RUTLEDGE STATION
RUTLEDGE ST. WYTHE AND KENT AVE AND WALLABOUT AND HEYARD ST
BROOKLYN, NY 11205

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EDR MGP **1008407898**
N/A

477
NE
1/2-1
0.707 mi.
3735 ft.

Relative:
Higher

RAPID ARMORED CORPORATION
254 SCHOLES STREET
BROOKLYN, NY 11206

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NY SHWS **S123661630**
NY Spills **N/A**

NY SHWS
Site Code 588258

NY Spills
Spill Number/Closed Date 1812027 / 2021-02-25
Site ID 583982
Spill Date 2019-03-06

478
West
1/2-1
0.775 mi.
4091 ft.

Relative:
Higher

KEAP ST. STATION — **EDR MGP** — **1008407893**
KEAP ST. WYTHE AVE. HOOPER ST. AND KENT AVE — **N/A**
BROOKLYN, NY 11211

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479
ENE
1/2-1
0.818 mi.
4320 ft.

Relative:
Higher

2 INGRAHAM STREET — **NY SHWS** — **S110487597**
2 INGRAHAM ST — **NY VCP** — **N/A**
EAST WILLIAMSBURG, NY 11206 — **NY BROWNFIELDS**

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NY SHWS
Site Code 57074

NY VCP
Site Code 56868

NY BROWNFIELDS
Site Code 435675
Site Code 567066

480
NE
1/2-1
0.875 mi.
4622 ft.

Relative:
Higher

SCHOLES ST. STATION — **EDR MGP** — **1008407899**
SCHOLES ST 7 BOGART STS. MESSEROLE AND MORGAN AVE. — **N/A**
BROOKLYN, NY 11206

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481
NNW
1/2-1
0.906 mi.
4782 ft.

Relative:
Higher

BQE/ANSBACHER COLOR & DYE FACTORY — **NY SHWS** — **S106780917**
MEEKER AVENUE — **N/A**
BROOKLYN, NY

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NY SHWS
Site Code 55913
Class Code Does not present a significant threat to the public health or the environment - action may be deferred.

482
WSW
1/2-1
0.952 mi.
5025 ft.

Relative:
Higher

MERG LINOTYPE CO
NO CITY, NY

FUDS **1024899251**
N/A

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483
West
1/2-1
0.975 mi.
5146 ft.

Relative:
Higher

NAVAL STATION-BROOKLYN, TRANSFORMER AREA
FLUSHING AVENUE
BROOKLYN, NY 11205

NY SHWS **S105586295**
NY INST CONTROL **N/A**

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NY SHWS
Site Code 55915

NY INST CONTROL
Site Code 55915

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
NY	AIRS	Air Emissions Data	Department of Environmental Conservation	01/31/2022	02/01/2022	02/10/2022
NY	AST	Petroleum Bulk Storage	Department of Environmental Conservation	12/16/2021	12/16/2021	03/01/2022
NY	BROWNFIELDS	Brownfields Site List	Department of Environmental Conservation	02/08/2022	02/08/2022	05/06/2022
NY	CBS	Chemical Bulk Storage Site Listing	Department of Environmental Conservation	12/16/2021	12/16/2021	03/01/2022
NY	CBS AST	Chemical Bulk Storage Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	CBS UST	Chemical Bulk Storage Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	COAL ASH	Coal Ash Disposal Site Listing	Department of Environmental Conservation	12/21/2021	12/27/2021	03/16/2022
NY	COOLING TOWERS	Registered Cooling Towers	Department of Health	01/04/2022	01/12/2022	04/01/2022
NY	DEL SHWS	Delisted Registry Sites	Department of Environmental Conservation	02/08/2022	02/08/2022	05/06/2022
NY	DRYCLEANERS	Registered Drycleaners	Department of Environmental Conservation	12/10/2021	12/10/2021	03/01/2022
NY	E DESIGNATION	E DESIGNATION SITE LISTING	New York City Department of City Planning	12/13/2021	12/17/2021	12/30/2021
NY	ENG CONTROLS	Registry of Engineering Controls	Department of Environmental Conservation	02/08/2022	02/08/2022	05/06/2022
NY	ENV RES DECL	Environmental Restrictive Declarations	New York City Department of City Planning	11/23/2021	12/15/2021	03/01/2022
NY	ERP	Environmental Restoration Program Listing	Department of Environmental Conservation	02/08/2022	02/08/2022	05/06/2022
NY	Financial Assurance 1	Financial Assurance Information Listing	Department of Environmental Conservation	12/21/2021	12/22/2021	03/16/2022
NY	Financial Assurance 2	Financial Assurance Information Listing	Department of Environmental Conservation	06/11/2020	06/16/2020	09/02/2020
NY	HIST AST	Historical Petroleum Bulk Storage Database	Department of Environmental Conservation	01/01/2002	06/02/2006	07/20/2006
NY	HIST LTANKS	Listing of Leaking Storage Tanks	Department of Environmental Conservation	01/01/2002	07/08/2005	07/14/2005
NY	HIST SPILLS	SPILLS Database	Department of Environmental Conservation	01/01/2002	07/08/2005	07/14/2005
NY	HIST UST	Historical Petroleum Bulk Storage Database	Department of Environmental Conservation	01/01/2002	06/02/2006	07/20/2006
NY	HSWDS	Hazardous Substance Waste Disposal Site Inventory	Department of Environmental Conservation	01/01/2003	10/20/2006	11/30/2006
NY	INST CONTROL	Registry of Institutional Controls	Department of Environmental Conservation	02/08/2022	02/08/2022	05/06/2022
NY	LIENS	Spill Liens Information	Office of the State Comptroller	01/31/2022	02/01/2022	04/26/2022
NY	LTANKS	Spills Information Database	Department of Environmental Conservation	03/15/2022	03/15/2022	03/16/2022
NY	MOSF	Major Oil Storage Facility Site Listing	Department of Environmental Conservation	12/16/2021	12/16/2021	03/01/2022
NY	MOSF AST	Major Oil Storage Facilities Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	MOSF UST	Major Oil Storage Facilities Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	01/01/2019	10/29/2021	01/19/2022
NY	NYC LEAD	Lead-based Paint Testing Results	New York City Department of Education	12/31/2021	02/04/2022	04/28/2022
NY	NYC LEAD 2	Recent Lead Paint Violations	New York City Department of Housing Preservat	02/01/2022	02/02/2022	04/27/2022
NY	PFAS	PFAS Contamination Site Location Listing	Department of Environmental Conservation	01/16/2019	05/08/2019	06/24/2019
NY	PFAS 2	New York State Inactive Landfill Initiative	Department of Environmental Conservation	10/29/2021	11/19/2021	04/26/2022
NY	RES DECL	Restrictive Declarations Listing	NYC Department of City Planning	11/23/2021	12/13/2021	03/02/2022
NY	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Conservation		07/01/2013	12/30/2013
NY	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Environmental Conservation		07/01/2013	01/10/2014
NY	SHWS	Inactive Hazardous Waste Disposal Sites in New York State	Department of Environmental Conservation	02/08/2022	02/08/2022	05/06/2022
NY	SPDES	State Pollutant Discharge Elimination System	Department of Environmental Conservation	03/25/2022	05/05/2022	05/18/2022
NY	SPILLS	Spills Information Database	Department of Environmental Conservation	03/15/2022	03/15/2022	03/16/2022
NY	SPILLS 80	SPILLS80 data from FirstSearch	FirstSearch	11/02/2010	01/03/2013	03/07/2013
NY	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	12/14/2012	01/03/2013	02/12/2013
NY	SWF/LF	Facility Register	Department of Environmental Conservation	12/21/2021	12/27/2021	03/22/2022
NY	SWRCY	Registered Recycling Facility List	Department of Environmental Conservation	12/21/2021	12/27/2021	03/22/2022
NY	SWTIRE	Registered Waste Tire Storage & Facility List	Department of Environmental Conservation	02/27/2018	04/06/2018	06/08/2018
NY	TANKS	Storage Tank Faciliy Listing	Department of Environmental Conservation	12/16/2021	12/16/2021	03/01/2022
NY	UIC	Underground Injection Control Wells	Department of Environmental Conservation	02/27/2022	03/01/2022	05/27/2022
NY	UST	Petroleum Bulk Storage (PBS) Database	Department of Environmental Conservation	12/16/2021	12/16/2021	03/01/2022
NY	VAPOR REOPENED	Vapor Intrusion Legacy Site List	Department of Environmenal Conservation	01/01/2022	02/08/2022	05/06/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
NY	VCP	Voluntary Cleanup Agreements	Department of Environmental Conservation	02/08/2022	02/08/2022	05/06/2022
NY	VCP NYC	Voluntary Cleanup Program Listing NYC	New York City Office of Environmental Protect	12/06/2021	12/08/2021	01/06/2022
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	12/14/2021	12/15/2021	03/10/2022
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2019	03/02/2022	03/25/2022
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2020	11/30/2021	02/22/2022
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2021	01/14/2022	03/25/2022
US	CORRACTS	Corrective Action Report	EPA	02/28/2022	03/02/2022	03/17/2022
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	Delisted NPL	National Priority List Deletions	EPA	04/27/2022	05/05/2022	05/31/2022
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	01/01/2022	01/04/2022	01/10/2022
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	12/31/2021	03/01/2022	03/10/2022
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	05/25/2021	06/24/2021	09/20/2021
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	10/14/2021	11/05/2021	02/01/2022
US	FINDS	Facility Index System/Facility Registry System	EPA	05/13/2022	05/18/2022	05/31/2022
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	12/01/2021	02/15/2022	05/10/2022
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/17/2022	02/17/2022	05/10/2022
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	07/26/2021	07/27/2021	10/22/2021
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	12/15/2021	12/16/2021	03/10/2022
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/28/2021	06/11/2021	09/07/2021
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/12/2021	11/15/2021	02/08/2022
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	05/28/2021	06/22/2021	09/20/2021
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/12/2021	11/15/2021	02/08/2022
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	10/12/2021	11/15/2021	02/08/2022
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/12/2021	11/15/2021	02/08/2022
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/12/2021	11/15/2021	02/08/2022
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/12/2021	11/15/2021	02/08/2022
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/14/2021	11/15/2021	02/08/2022
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/12/2021	11/15/2021	02/08/2022
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	05/28/2021	06/22/2021	09/20/2021

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/06/2021	06/11/2021	09/07/2021
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/12/2021	11/15/2021	02/08/2022
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/12/2021	11/15/2021	02/08/2022
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/12/2021	11/15/2021	02/08/2022
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/12/2021	11/15/2021	02/08/2022
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	04/27/2022	05/05/2022	05/31/2022
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	04/27/2022	05/05/2022	05/31/2022
US	LUCIS	Land Use Control Information System	Department of the Navy	02/08/2022	02/11/2022	05/10/2022
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	03/21/2022	03/22/2022	03/25/2022
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	07/29/2021	08/24/2021	11/19/2021
US	NPL	National Priority List	EPA	04/27/2022	05/05/2022	05/31/2022
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	01/20/2022	01/20/2022	03/25/2022
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	07/14/2011	08/05/2011	09/29/2011
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015
US	PCS INACTIVE	Listing of Inactive PCS Permits	EPA	11/05/2014	01/06/2015	05/06/2015
US	PRP	Potentially Responsible Parties	EPA	01/25/2022	02/03/2022	02/25/2022
US	Proposed NPL	Proposed National Priority List Sites	EPA	04/27/2022	05/05/2022	05/31/2022
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	02/28/2022	03/02/2022	03/17/2022
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	02/28/2022	03/02/2022	03/17/2022
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	02/28/2022	03/02/2022	03/17/2022
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	02/28/2022	03/02/2022	03/17/2022
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	02/28/2022	03/02/2022	03/17/2022
US	RMP	Risk Management Plans	Environmental Protection Agency	04/27/2022	05/04/2022	05/10/2022
US	ROD	Records Of Decision	EPA	04/27/2022	05/05/2022	05/31/2022
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	SEMS	Superfund Enterprise Management System	EPA	04/27/2022	05/05/2022	05/31/2022
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	04/27/2022	05/05/2022	05/31/2022
US	SSTS	Section 7 Tracking Systems	EPA	01/19/2022	01/19/2022	04/11/2022
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2018	08/14/2020	11/04/2020
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/17/2020	09/10/2020
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	02/23/2022	03/10/2022	03/10/2022
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	02/22/2022	02/23/2022	05/10/2022
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/21/2022	02/23/2022	05/24/2022
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	12/13/2021	12/17/2021	03/17/2022
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	02/22/2022	02/23/2022	05/10/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	02/21/2022	02/23/2022	05/24/2022
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/01/2022	02/23/2022	05/24/2022
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	05/06/2020	05/27/2020	08/13/2020
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2020	01/11/2022	02/14/2022
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	12/03/2021	02/11/2022	05/06/2022
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2018	04/10/2019	05/16/2019
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	06/30/2018	07/19/2019	09/10/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2020	11/30/2021	02/18/2022
VT	VT MANIFEST	Hazardous Waste Manifest Data	Department of Environmental Conservation	10/28/2019	10/29/2019	01/09/2020
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
NY	Daycare Centers	Sensitive Receptor: Day Care Providers	Department of Health			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
NY	State Wetlands	Freshwater Wetlands	Department of Environmental Conservation			
US	Topographic Map		U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line Data		Endeavor Business Media			

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

374 WALLABOUT STREET
374 WALLABOUT STREET
BROOKLYN, NY 11206

TARGET PROPERTY COORDINATES

Latitude (North):	40.701813 - 40ˆ 42’ 6.53’’
Longitude (West):	73.947939 - 73ˆ 56’ 52.58’’
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	588880.6
UTM Y (Meters):	4505977.0
Elevation:	13 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	14115940 BROOKLYN, NY
Version Date:	2019

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

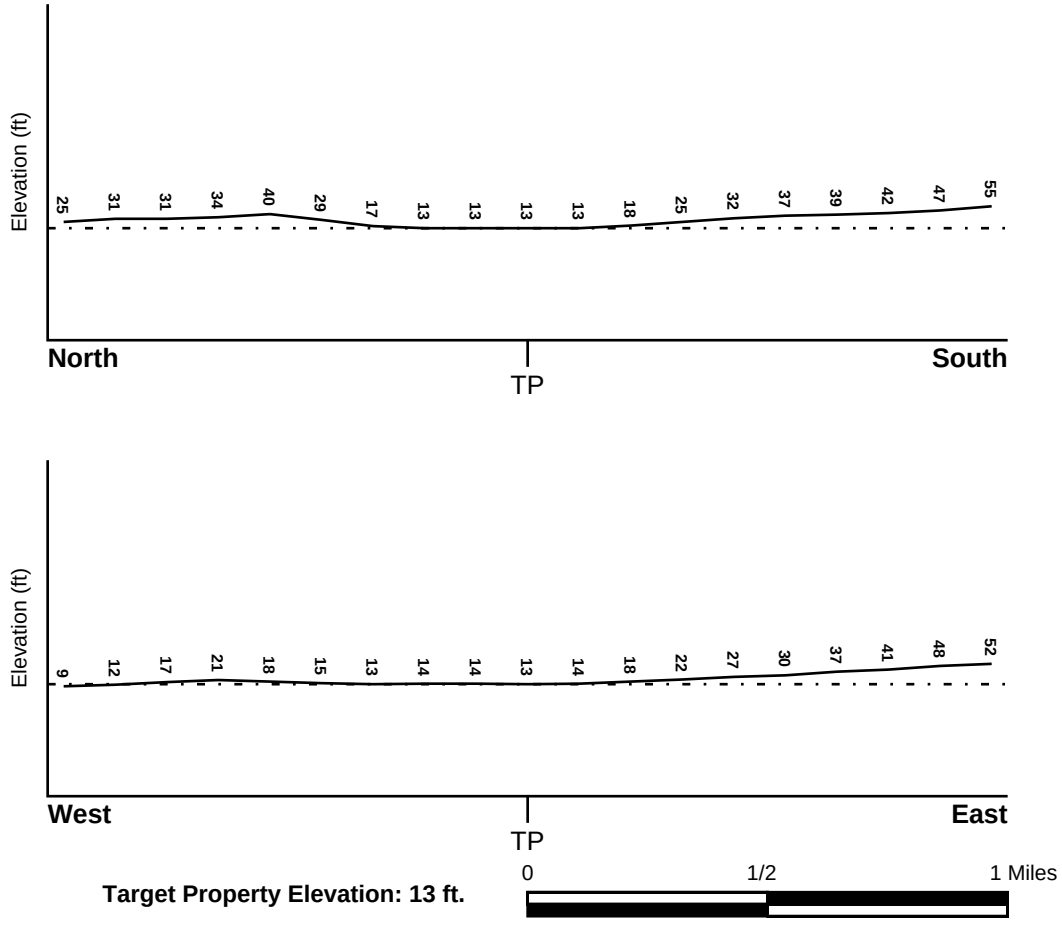
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 13 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
3604970204F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
3604970208F	FEMA FIRM Flood data
3604970064B	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BROOKLYN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1 - 2 Miles WSW
Site Name:	Naval Station Ny
Site EPA ID Number:	NY5170022250
Groundwater Flow Direction:	NOT AVAILABLE.
Measured Depth to Water:	14 feet in a well located 1 mile southeast of the site.
Hydraulic Connection:	Information is not available about the hydraulic connection between the surficial aquifer (upper glacial till) and underlying aquifer(s). Bedrock is present at an estimated depth of 100 feet.
Sole Source Aquifer:	A sole source aquifer is persent at or near the site
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Mesozoic
System:	Cretaceous
Series:	Upper Cretaceous
Code:	uK *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
loamy sand
sandy loam
fine sandy loam

Surficial Soil Types: silt loam
loamy sand
sandy loam
fine sandy loam

Shallow Soil Types: sandy loam

Deeper Soil Types: unweathered bedrock
very gravelly - loamy sand
stratified
sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000828973	0 - 1/8 Mile South
A2	USGS40000828976	0 - 1/8 Mile South
A3	USGS40000828975	0 - 1/8 Mile South
A4	USGS40000828974	0 - 1/8 Mile South
A5	USGS40000828977	0 - 1/8 Mile SSW
A6	USGS40000834988	0 - 1/8 Mile SW
A7	USGS40000834987	0 - 1/8 Mile SW
A8	USGS40000828958	0 - 1/8 Mile South
A9	USGS40000828960	0 - 1/8 Mile SSW
A10	USGS40000828959	0 - 1/8 Mile SSW
11	USGS40000829033	0 - 1/8 Mile East
A15	USGS40000828938	1/8 - 1/4 Mile SSW
C18	USGS40000828940	1/8 - 1/4 Mile SW
C19	USGS40000828939	1/8 - 1/4 Mile SW
B20	USGS40000828917	1/8 - 1/4 Mile South
B21	USGS40000828918	1/8 - 1/4 Mile SSW
D22	USGS40000829064	1/8 - 1/4 Mile WNW
23	USGS40000828916	1/8 - 1/4 Mile SE
E24	USGS40000829004	1/8 - 1/4 Mile WSW
D25	USGS40000829065	1/8 - 1/4 Mile WNW
E26	USGS40000828978	1/8 - 1/4 Mile WSW
G29	USGS40000828830	1/4 - 1/2 Mile SW
H30	USGS40000829242	1/4 - 1/2 Mile NNE
31	USGS40000829203	1/4 - 1/2 Mile NW
H32	USGS40000829262	1/4 - 1/2 Mile NNE
G33	USGS40000828809	1/4 - 1/2 Mile SW
G34	USGS40000828816	1/4 - 1/2 Mile SW
35	USGS40000829320	1/2 - 1 Mile NNE
36	USGS40000829263	1/2 - 1 Mile NW
37	USGS40000829291	1/2 - 1 Mile NNE
38	USGS40000829139	1/2 - 1 Mile WNW
I39	USGS40000829261	1/2 - 1 Mile NE
40	USGS40000828770	1/2 - 1 Mile SSW
I41	USGS40000829273	1/2 - 1 Mile NE
J42	USGS40000829002	1/2 - 1 Mile East
J43	USGS40000829003	1/2 - 1 Mile East
45	USGS40000829248	1/2 - 1 Mile NW
46	USGS40000829091	1/2 - 1 Mile West
47	USGS40000829019	1/2 - 1 Mile West
48	USGS40000828715	1/2 - 1 Mile SSE
49	USGS40000828836	1/2 - 1 Mile ESE
50	USGS40000829373	1/2 - 1 Mile NNW
K51	USGS40000829234	1/2 - 1 Mile ENE
L52	USGS40000829386	1/2 - 1 Mile NNE
L53	USGS40000829385	1/2 - 1 Mile NNE
M54	USGS40000829031	1/2 - 1 Mile East
M55	USGS40000829032	1/2 - 1 Mile East
K56	USGS40000829233	1/2 - 1 Mile ENE
M58	USGS40000829052	1/2 - 1 Mile East
M59	USGS40000829001	1/2 - 1 Mile East
60	USGS40000829232	1/2 - 1 Mile ENE
61	USGS40000829042	1/2 - 1 Mile West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
62	USGS40000828781	1/2 - 1 Mile SE
N63	USGS40000829478	1/2 - 1 Mile NNW
64	USGS40000829063	1/2 - 1 Mile East
N65	USGS40000829485	1/2 - 1 Mile NNW
66	USGS40000828808	1/2 - 1 Mile ESE
O67	USGS40000828957	1/2 - 1 Mile East
68	USGS40000829364	1/2 - 1 Mile NE
O69	USGS40000829000	1/2 - 1 Mile East
70	USGS40000829116	1/2 - 1 Mile East
71	USGS40000829247	1/2 - 1 Mile ENE
72	USGS40000828675	1/2 - 1 Mile SSW
76	USGS40000828626	1/2 - 1 Mile SSE
77	USGS40000829528	1/2 - 1 Mile NNE
78	USGS40000829352	1/2 - 1 Mile NW
79	USGS40000828810	1/2 - 1 Mile WSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
74	NY0007257	1/2 - 1 Mile NNW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

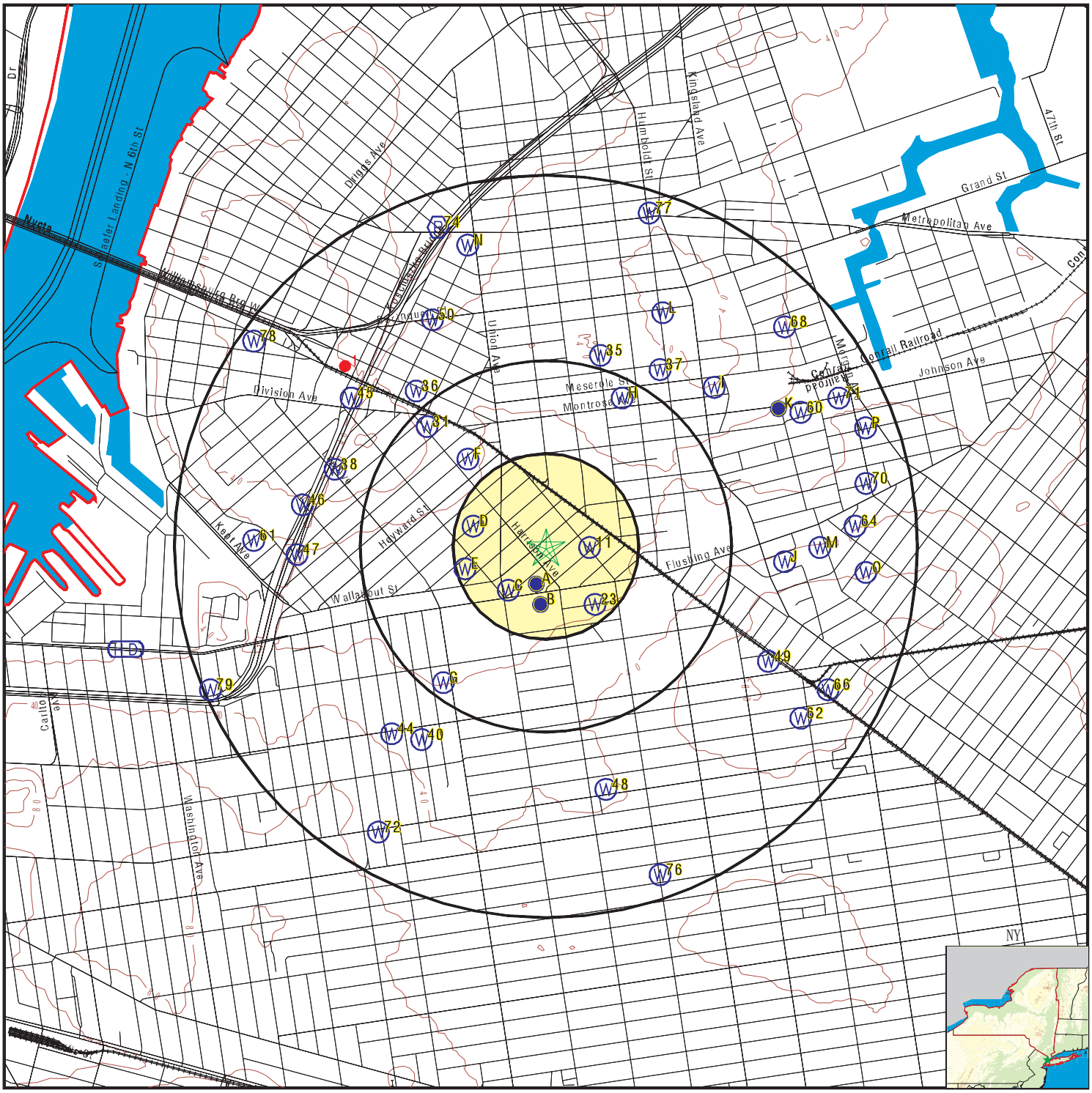
MAP ID	WELL ID	LOCATION FROM TP
A12	NYREG1000000003	1/8 - 1/4 Mile South
A13	NYREG1000000029	1/8 - 1/4 Mile South
A14	NYREG1000000019	1/8 - 1/4 Mile South
A16	NYREG1000000020	1/8 - 1/4 Mile SSW
B17	NYREG1000000015	1/8 - 1/4 Mile South
F27	NYREG1000000078	1/4 - 1/2 Mile NW
F28	NYREG1000000079	1/4 - 1/2 Mile NW
44	NYREG1000000222	1/2 - 1 Mile SW
K57	NYREG1000000018	1/2 - 1 Mile ENE
P73	NYREG1000000188	1/2 - 1 Mile ENE
P75	NYREG1000000185	1/2 - 1 Mile ENE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	NYOG10000040178	1/2 - 1 Mile NW

PHYSICAL SETTING SOURCE MAP - 07004235.2r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	374 Wallabout Street	CLIENT:	Haley & Aldrich, Inc.
ADDRESS:	374 Wallabout Street Brooklyn NY 11206	CONTACT:	Zach Simmel
		INQUIRY #:	07004235.2r
LAT/LONG:	40.701813 / 73.947939	DATE:	June 02, 2022 3:16 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 **NW** **1/2 - 1 Mile**	**Click here for full text details**	**OIL_GAS**	**NYOG10000040178**
A1 **South** **0 - 1/8 Mile** **Higher**	**Click here for full text details**	**FED USGS**	**USGS40000828973**
A2 **South** **0 - 1/8 Mile** **Higher**	**Click here for full text details**	**FED USGS**	**USGS40000828976**
A3 **South** **0 - 1/8 Mile** **Higher**	**Click here for full text details**	**FED USGS**	**USGS40000828975**
A4 **South** **0 - 1/8 Mile** **Higher**	**Click here for full text details**	**FED USGS**	**USGS40000828974**
A5 **SSW** **0 - 1/8 Mile** **Higher**	**Click here for full text details**	**FED USGS**	**USGS40000828977**
A6 **SW** **0 - 1/8 Mile** **Lower**	**Click here for full text details**	**FED USGS**	**USGS40000834988**
A7 **SW** **0 - 1/8 Mile** **Lower**	**Click here for full text details**	**FED USGS**	**USGS40000834987**
A8 **South** **0 - 1/8 Mile** **Higher**	**Click here for full text details**	**FED USGS**	**USGS40000828958**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
A9 **SSW** **0 - 1/8 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000828960**
A10 **SSW** **0 - 1/8 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000828959**
11 **East** **0 - 1/8 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829033**
A12 **South** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**NY WELLS**	**NYREG1000000003**
A13 **South** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**NY WELLS**	**NYREG1000000029**
A14 **South** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**NY WELLS**	**NYREG1000000019**
A15 **SSW** **1/8 - 1/4 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000828938**
A16 **SSW** **1/8 - 1/4 Mile** **Lower**	Click here for full text details	**NY WELLS**	**NYREG1000000020**
B17 **South** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**NY WELLS**	**NYREG1000000015**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
C18 **SW** **1/8 - 1/4 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000828940**
C19 **SW** **1/8 - 1/4 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000828939**
B20 **South** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000828917**
B21 **SSW** **1/8 - 1/4 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000828918**
D22 **WNW** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829064**
23 **SE** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000828916**
E24 **WSW** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829004**
D25 **WNW** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829065**
E26 **WSW** **1/8 - 1/4 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000828978**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
F27 **NW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**NY WELLS**	**NYREG1000000078**
F28 **NW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**NY WELLS**	**NYREG1000000079**
G29 **SW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000828830**
H30 **NNE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829242**
31 **NW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829203**
H32 **NNE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829262**
G33 **SW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000828809**
G34 **SW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000828816**
35 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829320**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
36 **NW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829263**
37 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829291**
38 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829139**
I39 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829261**
40 **SSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000828770**
I41 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829273**
J42 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829002**
J43 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829003**
44 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**NY WELLS**	**NYREG1000000222**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
45 **NW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829248**
46 **West** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829091**
47 **West** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829019**
48 **SSE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000828715**
49 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000828836**
50 **NNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829373**
K51 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829234**
L52 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829386**
L53 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829385**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
M54 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829031**
M55 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829032**
K56 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829233**
K57 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**NY WELLS**	**NYREG1000000018**
M58 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829052**
M59 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829001**
60 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829232**
61 **West** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829042**
62 **SE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000828781**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
N63 **NNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829478**
64 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829063**
N65 **NNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829485**
66 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000828808**
O67 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000828957**
68 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829364**
O69 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829000**
70 **East** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829116**
71 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829247**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
72 **SSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000828675**
P73 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**NY WELLS**	**NYREG1000000188**
74 **NNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FRDS PWS**	**NY0007257**
P75 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**NY WELLS**	**NYREG1000000185**
76 **SSE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000828626**
77 **NNE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829528**
78 **NW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000829352**
79 **WSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000828810**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for KINGS County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for KINGS COUNTY, NY

Number of sites tested: 51

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.750 pCi/L	100%	0%	0%
Basement	1.370 pCi/L	88%	10%	2%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Simmel, Zachary

From: donotreply@records.nyc.gov
Sent: Monday, June 6, 2022 4:00 PM
To: Simmel, Zachary
Subject: [OpenRecords] Request FOIL-2022-826-02687 Acknowledged

CAUTION: External Email

The Department of Environmental Protection (DEP) has **acknowledged** your FOIL request FOIL-2022-826-02687.

You can expect a response on or about Thursday, October 20, 2022.

Please visit FOIL-2022-826-02687 to view additional information and take any necessary action.

Simmel, Zachary

From: recordsaccess <recordsaccess@health.nyc.gov>
Sent: Wednesday, June 8, 2022 12:37 PM
To: Simmel, Zachary
Subject: Re: [OpenRecords] FOIL Request Submitted to Department of Health and Mental Hygiene (DOHMH)

CAUTION: External Email

FOIL Control #: 2022FR01445

The NYC Department of Health and Mental Hygiene (DOHMH) acknowledges receipt of your Freedom of Information Law request. It has been assigned the above-noted control number and has been forwarded to the following bureau for processing:

Environmental Health Services
Yolanda Brooks, (646) 632-6133, email: ybrooks@health.nyc.gov or OEIFOIL@health.nyc.gov
Sheba Taylor-Medina, e-mail: staylor2@health.nyc.gov

You should receive a response from the program/bureau within twenty(20) business days. Please note that as of January 1, 2019, the Department may charge the statutorily allowable fee of 25¢ per page for photocopied pages of FOIL responses. You will be advised by the program/bureau of the fee that is due and, upon receipt of your payment by check or money order, the copies will be forwarded to you.
All inquiries about the status of your request should be made with the program/bureau and control number noted above.

Thank you,

FOIL Administration
New York City Department of Health and Mental Hygiene
347-396-6011 (ph.)
347-396-6087 (f)
recordsaccess@health.nyc.gov

From: donotreply@records.nyc.gov <donotreply@records.nyc.gov>
Sent: Friday, June 3, 2022 1:16 PM
To: ZSimmel@haleyaldrich.com <ZSimmel@haleyaldrich.com>
Subject: [OpenRecords] FOIL Request Submitted to Department of Health and Mental Hygiene (DOHMH)

Your request has been emailed to the Department of Health and Mental Hygiene (DOHMH) because that agency is not yet using the portal to respond to FOIL requests. The details of your request are shown below. No further information will be available on the OpenRecords portal regarding this request.
Request Title: Environmental Records Request

Request Description: Site Address: 374 Wallabout Street, Brooklyn, NY 11206 Block 2266, Lot 13 Owner: Joel Fried Request: Any documents, reports or correspondence pertaining to the above referenced site regarding environmental concerns for the property now or in the past.

Requester's Contact Information
Name:
Zachary Simmel
Title:
Not provided
Organization:
Not provided
Email:
ZSimmel@haleyaldrich.com
Phone Number:
Not provided
Fax Number:
Not provided
Street Address (line 1):
Not provided
Street Address (line 2):
Not provided
City:
Not provided
State:
Not provided
Zip Code:
Not provided
Please contact the Department of Health and Mental Hygiene (DOHMH) via email at foil@health.nyc.gov for any further information.

Sent from the New York City Department of Health & Mental Hygiene. This email and any files transmitted with it may contain confidential information and are intended solely for the use of the individual or entity to whom they are addressed. This footnote also confirms that this email message has been swept for the presence of computer viruses.

Simmel, Zachary

From: donotreply@records.nyc.gov
Sent: Monday, June 6, 2022 7:49 AM
To: Simmel, Zachary
Subject: [OpenRecords] Request FOIL-2022-002-00463 Closed

CAUTION: External Email

The Mayor's Office of Environmental Remediation (OER) has **denied** your FOIL request FOIL-2022-002-00463 for the following reasons:

- A diligent search for records responsive to your request did not locate any such records. Accordingly, your request is denied.

Please visit FOIL-2022-002-00463 to view additional information and take any necessary action. You may appeal the decision to deny access to material that was redacted in part or withheld in entirety by contacting the agency's FOIL Appeals Officer: foil-oer@cityhall.nyc.gov within 30 days.

Simmel, Zachary

From: New York DEC Support <newyorkdec@mycusthelp.net>
Sent: Tuesday, June 7, 2022 2:58 PM
To: Simmel, Zachary
Subject: Freedom of Information Law Request :: W102009-060322

CAUTION: External Email

--- Please respond above this line ---

Region 2 - Long Island City
P: (718) 482-4912 | F:
www.dec.ny.gov

RE: PUBLIC RECORDS REQUEST of 6/3/2022, Reference # W102009-060322

Date: 06/07/2022

Dear Engineer Zach Simmel,

I write in response to your Freedom of Information Law (FOIL) request seeking:

> *Environmental Records Request*
> *Site Address: 374 Wallabout Street, Brooklyn, NY 11206 Block 2266, Lot 13 Owner: Joel Fried Request: Any documents, reports or correspondence pertaining to the above referenced site regarding releases/spills, petroleum bulk storage tanks, hazardous materials storage or disposal, environmental investigations, remediation, or any other environmental concerns for the property now or in the past. Any documents, if any, including Remedial Investigation Work Plans, Remedial Investigation Reports, Spill Investigation Reports and Remedial Action Work Plans and Remedial Action Reports.*

Please be advised that a diligent search of the files maintained by DEC produced no responsive records.

If you believe you have been unlawfully denied access to responsive records, you have the right to appeal. Any such appeal must be submitted in writing and within thirty (30) days of the date of this email. Appeals must be directed to:

FOIL Appeals Officer
Office of General Counsel
New York State Department of Environmental Conservation
625 Broadway, 14th Floor
Albany, NY 12233-1500

Your FOIL request is now closed. If I can be of further assistance, please contact me at (718) 482-4912 and reference FOIL #W102009-060322, or simply reply to this email. Thank you.

Sincerely,

Region 2 FOIL Coordinator

NEW YORK STATE OF OPPORTUNITY. Department of Health

KATHY HOCHUL
Governor

MARY T. BASSETT, M.D., M.P.H.
Commissioner

KRISTIN M. PROUD
Acting Executive Deputy Commissioner

June 3, 2022

VIA EMAIL
Zachary Simmel
ZSimmel@haleyaldrich.com

FOIL #: 22-06-068
Re: 374 Wallabout Street, Brooklyn, NY 11206

Dear Zachary Simmel:

This will acknowledge receipt of your request for records under the Freedom of Information Law (FOIL), received by this office on June 3, 2022.

Your request has been forwarded to the appropriate Department program area(s) to identify documents that are responsive to your request and which may be made available pursuant to all applicable provisions of the Freedom of Information Law.

A determination as to whether your request is granted or denied will be reached in approximately 20 business days or we will notify you in writing if the responsible program area(s) should require additional time to locate, assemble, and review documents that may be responsive to your request.

Please note that, pursuant to Article 6 of the Public Officers Law, a charge may be applied to your request, including the actual cost of the medium used to respond to your Freedom of Information Law request and/or other related costs. When responsive records have been identified, you will be informed of any cost and how payment should be made.

Sincerely,

Rosemarie Hewig, Esq.
Records Access Officer

APPENDIX D
Site Photographs



Photo 1: Subject site, facing southeast



Photo 2: Residential buildings north- and east-adjacent to the subject site, facing northwest



Photo 3: Construction site west- and south-adjacent to the subject site, facing south



Photo 4: Mixed-use buildings west-adjacent to the subject site, facing northwest



Photo 5: Mixed-use building north-adjacent to the subject site, facing north



Photo 6: Mixed-use buildings west-adjacent to the subject site, facing west

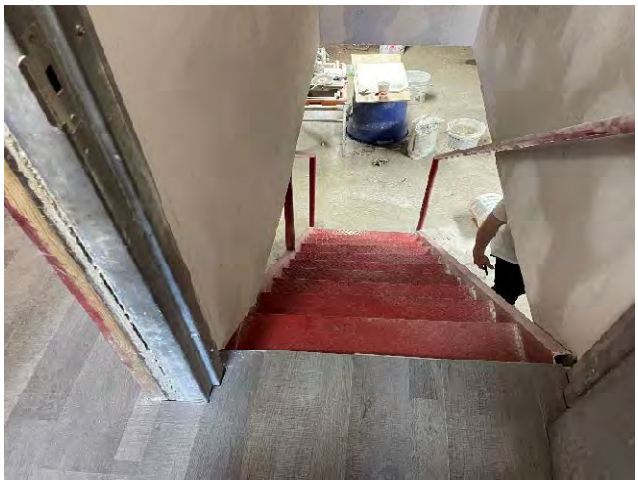


Photo 7: Cellar entrance from the first floor of the subject site building, facing northeast

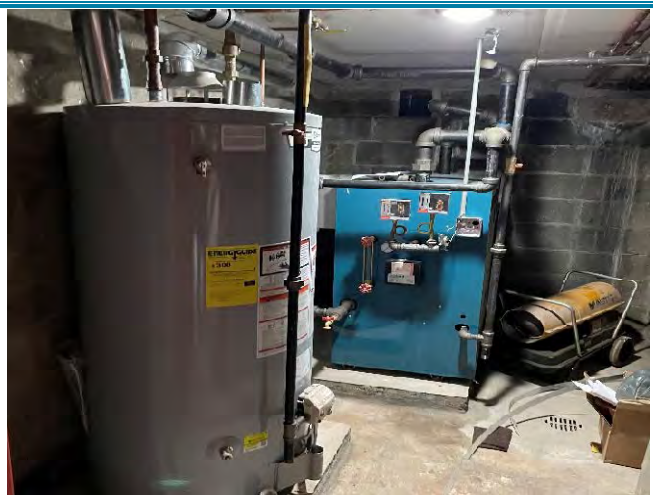


Photo 8: Hot water heater located in the cellar, facing southeast



Photo 9: In-active sump located in the in the cellar, facing north



Photo 10: Chemical products and cleaning debris observed in the cellar, facing southeast

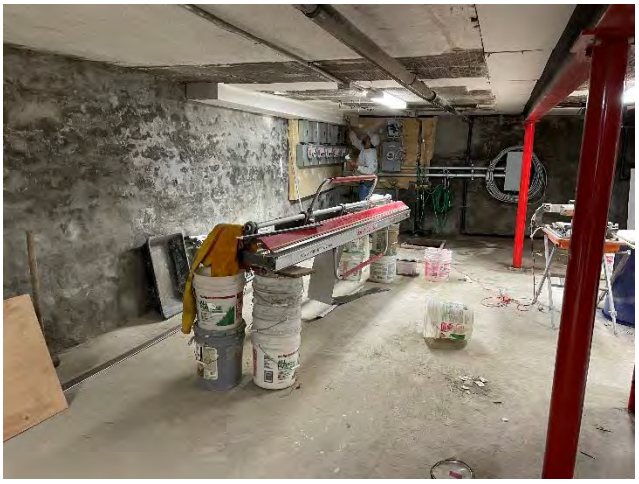


Photo 11: Interior view of the cellar, facing north



Photo 12: Miscellaneous debris stored in the cellar, facing northwest



Photo 13: View of the eastern corner of rear yard, facing east



Photo 14: View of the western corner of the rear yard, facing west



Photo 15: View of the northern corner of rear yard, facing north

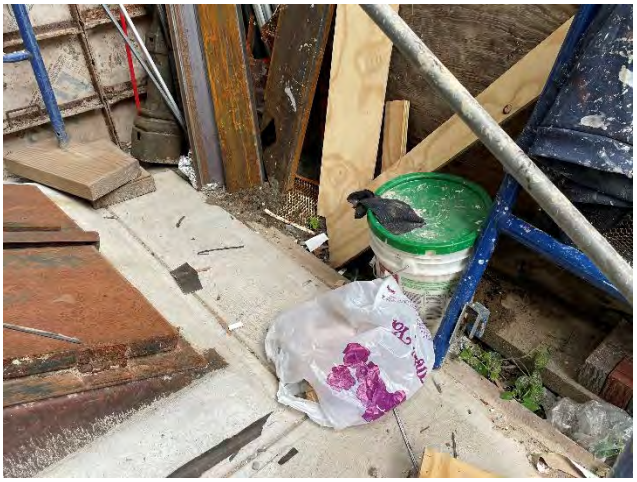


Photo 16: Area connecting rear yard to the subject site building, facing northeast



Photo 17: Area connecting rear yard to the subject site building, facing southwest

30 August 2022
File No. 0205892-001

Via Electronic Mail

Joel Fried
374 Wallabout Street
Brooklyn, NY 11211

Attention: Mr. Joel Fried

RE: Limited Phase II Environmental Site Investigation Report
374 Wallabout Street
Brooklyn, New York

Dear Mr. Fried:

As requested, Haley & Aldrich of New York (Haley & Aldrich), is providing this letter to Mr. Joel Fried summarizing the results of the Limited Phase II Environmental Site Investigation (ESI) completed at 374 Wallabout Street, Brooklyn, New York (the Site) on 28 June 2022.

BACKGROUND

The Site, identified as Block 2266 Lot 13 on the New York City tax map in a residential R7-A zoning area, is approximately 2,500 square feet (sf) in size and improved with a vacant three-story building. The building includes a cellar level. The Site is bound to the north by Wallabout Street followed by an industrial-use garage and multi-story residential building, by multi-story residential buildings to the south and, east, and to the west by a property under construction for development of a multi-story residential building. The Site is located within an urban area characterized by multi-story commercial and residential buildings.

At this time, we understand the development, while in conceptual design, will include a cellar extending approximately 12 feet below grade surface (ft bgs) through the entirety of the footprint.

Based on a Phase I Environmental Site Assessment (ESA) completed by Haley & Aldrich for the Site in July 2022, the Site has been utilized as a residential property since the late-1880s. The Phase I ESA revealed one Recognized Environmental Conditions (RECs) in connection with the Site. The property located upgradient and south-adjacent to the subject site, known as Pfizer Sites B & D, was formerly subject to investigation and remediation within the Brownfield Cleanup Program (BCP). The primary contaminants of concern included chlorinated VOCs in groundwater, soil, and soil vapor. Remedial action was conducted, and engineering controls were implemented to prevent future migration or contact with contamination left at the site. Further, the most recent groundwater sampling event (conducted in April 2021) indicated concentrations of chlorinated VOCs above regulatory criteria in groundwater samples collected from monitoring wells located both north and south of the subject site. While this property has been remediated under the BCP and implemented engineering controls to

address the residual contamination, due to known chlorinated VOC contamination in both soil vapor and groundwater, and proximity of the Pfizer Sites B & D located hydraulically upgradient to the subject site, impacted soil vapor and/or groundwater may have migrated and be present at subject site.

Historical use of the surrounding properties likely up- and cross-gradient to the Site were for industrial and manufacturing purposes. Historical use of adjoining and likely up-gradient properties included auto body, manufacturing, low rise dwellings, and a garage. Auto body and manufacturing facilities may have included the use and disposal of hazardous materials and petroleum.

SUBSURFACE INVESTIGATION

On 28 June 2022, Haley & Aldrich mobilized to the Site with Lakewood Environmental Services, Corp. (Lakewood) to perform the Limited Phase II ESI which included installation of four soil borings, two temporary groundwater monitoring wells and two sub-slab vapor points using a limited access demolition hammer.

A Haley & Aldrich field personnel was on-site to document field observations and collect soil, groundwater, and soil vapor samples. Boring locations were chosen to assess the potential impacts from on-site sources and from existing site conditions. The four soil borings (B-1 through B-4) were installed in the rear yard of the Site to depths ranging from 12-14 feet below grade surface (ft bgs). Terminal depths of soil borings varied based on the subsurface conditions encountered during installation. Two temporary groundwater monitoring wells, TW-1 and TW-2, were installed in the rear yard to 16 ft bgs, adjacent to respective soil borings (B-1 and B-2), respectively. Lastly, two sub-slab soil vapor points, SS-1 and SS-2, were installed approximately 1 ft below the concrete floor slab located in the cellar of the building.

Urban fill generally consisting of brown to gray, coarse to medium sand with silt and varying amounts of asphalt, brick, plastic was observed from surface grade to approximately 6 to 8 ft bgs in each soil boring. The urban fill layer was underlain by a potential native layer consisting of light brown to orange-brown coarse to medium sand with varying amounts of silt, gravel and clay. Soil cores were collected continuously, characterized, and screened for visual and olfactory evidence of contamination such as staining and odors. Instrumental screening for the presence of organic vapors was performed using a photoionization detector (PID). Petroleum-like odors and staining were observed in three soil borings: B-1 and B-2 between 7-8 ft bgs; and B-4 between 5-8 ft bgs. PID readings of non-detect at 0.0 parts per million (ppm) to 0.1 ppm were recorded in site-wide soils. Soil borings logs are included in Attachment A. During the investigation, groundwater was encountered at a depth of approximately 11.15 ft bgs at TW-1 and 12.10 ft bgs at TW-2. Temporary monitoring well purge logs are included in Attachment B.

One shallow soil sample was collected at each soil boring location, specifically, from the 0-2 ft bgs depth interval at B-1 and B-4 and the 1-3 ft bgs depth interval at B-2 and B-3. A second soil sample was collected from two locations as a result of petroleum-like odors and staining observed in deeper soils, specifically, at soil boring B-2 from 6-8 ft bgs and soil boring B-4 from 4-6 ft bgs. A total of six soil samples were collected and analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and total metals. One groundwater sample was collected from each temporary monitoring well for a total of two groundwater samples. Groundwater samples were analyzed for VOCs. Two sub-slab soil vapor samples were collected from the cellar of the site building. Sub-slab soil vapor samples were collected over a 2-hour period in 2.7L stainless-steel summa canisters supplied by the laboratory and analyzed for VOCs. Sample locations are presented in Figure 1. Samples were collected

into laboratory provided containers, placed on ice in coolers, and shipped by courier to Alpha Analytical, Inc. of Westborough, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory.

RESULTS

Full analytical results for soil, groundwater, and soil vapor are provided in Tables 1-3, detections above regulatory criteria and/or guidance values are summarized in Figures 2-4, and laboratory analytical reports are provided in Attachment C.

Soil

Soil analytical results were compared to NYSDEC Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs), Restricted-Residential Use Soil Cleanup Objectives (RRSCOs), and Protection of Groundwater SCOs (PGWSCOs).

SVOCs, specifically polycyclic aromatic hydrocarbons (PAHs), were identified in shallow soil samples at concentrations exceeding UUSCOs, RRSCOS and PGWSCOs. Concentrations of four SVOCs exceeded RRSCOs, including: benzo(a)anthracene (maximum concentration 2.6 milligrams per kilogram [mg/kg] in B-2 [1-3']) which also exceeds the PGWSCO; benzo(a)pyrene (maximum concentration 2.2 mg/kg in B-2 [1-3']); benzo(b)fluoranthene (maximum concentration 2.6 mg/kg in B-2 [1-3']), which also exceeds the PGWSCO; and, indeno(1,2,3-cd)pyrene (maximum concentration 1.2 mg/kg in B-2 [1-3']). One PAH, chrysene, was detected above the UUSCO and PGWSCO (maximum concentration 2.5 mg/kg in B-2 [1-3']), but below the RRSCO, in two shallow soil samples.

One VOC, acetone, was identified at a concentration above the UUSCO and PGWSCO in one soil sample, B-4 (4-6'), at a concentration of 0.063 mg/kg.

Metals were identified in soil samples at concentrations exceeding UUSCOs, RRSCOS and PGWSCOs. Concentrations of four metals exceeded RRSCOs and PGWSCOs, including: arsenic [maximum concentration of 16.8 mg/kg in B-1 (0-2')], copper [maximum concentration of 2,080 mg/kg in B-4 (0-2')], lead [maximum concentration 722 mg/kg in B-2 (1-3')], and mercury [maximum concentration 4.11 mg/kg in B-1 (0-2')]. Three metals were detected above UUSCOs, but below RRSCOs, including: zinc [maximum concentration of 660 mg/kg in B-1 (0-2')]; selenium in B-1 (0-2') at a concentration of 9.69 mg/kg, which also exceeds the PGWSCO; and, silver in B-4 (0-2') at a concentration of 3.12 mg/kg.

It should be noted that one chlorinated VOC (CVOC), cis-1,2-dichloroethene, was detected in two soil samples collected from deeper soil intervals (i.e., between 4-8 ft bgs), at a maximum concentration of 0.0026 mg/kg at B-2 (6-8'). Although concentrations of cis-1,2-dichloroethene did not the exceed comparison criteria, detectable concentrations of CVOCs are present at the Site in soil at depths ranging from 4-8 ft bgs.

Full soil analytical results are provided in Table 1 and laboratory reports are included in Attachment C.

Groundwater

Groundwater analytical results were compared to 6NYCRR Part 703.5 NYSDEC Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards (AWQS).

Two CVOCs were detected above AWQS in one groundwater sample analyzed, TW-1, including cis-1,2-dichloroethene at a concentration of 14 micrograms per liter (µg/L) and vinyl chloride at a concentration of 9.8 µg/L. One CVOC, trichloroethene, was detected above the laboratory detection limit but below the AWQS in one groundwater sample analyzed, TW-1, at a concentration of 0.2 µg/L. VOCs were not detected above the AWQS in the groundwater sample collected from TW-2.

Full groundwater analytical results are provided in Table 2 and the laboratory report included in Attachment C.

Soil Vapor

Total VOC concentrations in sub-slab soil vapor samples ranged from 113.95 micrograms per cubic meter (µg/m^3) in sample SS-1 to 122.735 µg/m^3 in SS-2. Total benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations ranged from 14.23 µg/m^3 in SS-1 to 29.298 µg/m^3 in SS-2. Total concentration of CVOCs in sub-slab soil vapor samples ranged from 2.39 µg/m^3 in SS-2 to 40.23 µg/m^3 in SS-1.

No standard currently exists for soil vapor samples in New York State. Soil vapor analytical results were compared to the NYSDOH Air Guideline Values (AGV) specified in the NYSDOH guidance document. Tetrachloroethene (PCE) was detected above the AGV of 2 µg/m^3 in one sub-slab soil vapor sample analyzed, SS-1, at a concentration of 33.3 µg/m^3. No other VOCs exceeded the NYSDOH AGVs; however, it should be noted that detectable concentrations of the following CVOCs were identified in sub-slab soil vapor samples: 1,1,1-trichloroethane in SS-1 at a concentration of 6.93 µg/m^3; and, PCE in SS-2 at a concentration of 2.39 µg/m^3.

Full soil vapor analytical results are provided in Table 3 and the laboratory report in Attachment C.

CONCLUSIONS AND RECOMMENDATIONS

Field observations and analytical results identified urban fill contaminated with heavy metals and SVOCs (specifically PAHs) at concentrations consistent with characteristics of urban fill found throughout the New York City area. SVOCs and total metals exceeding RRSCOs were observed widely distributed throughout the Site in urban fill at the surface to depths of about 6 feet bgs. Additionally, CVOC contamination was identified in groundwater in the southern/eastern region of Site, specifically, cis-1,2-dichloroethene and vinyl chloride at concentrations exceeding AWQS. CVOCs are also present at the Site in soil and soil vapor located above the groundwater table, including: PCE and 1,1,1-trichloroethane in sub-slab soil vapor, with PCE detected above the AGV in the northern region of the Site; and, cis-1,2-dichloroethene in soil between 4-8 ft bgs in the southern region of the Site. The presence of CVOC contamination in groundwater, coupled with the presence of CVOCs above the groundwater table (in soil and soil vapor), indicates that a nearby source may exist. Further investigation would be required to determine the potential on-site/off-site source of CVOC contamination at the Site.

Should you have any questions regarding the findings or recommendations please do not hesitate to contact us.

Sincerely,
Haley & Aldrich of New York



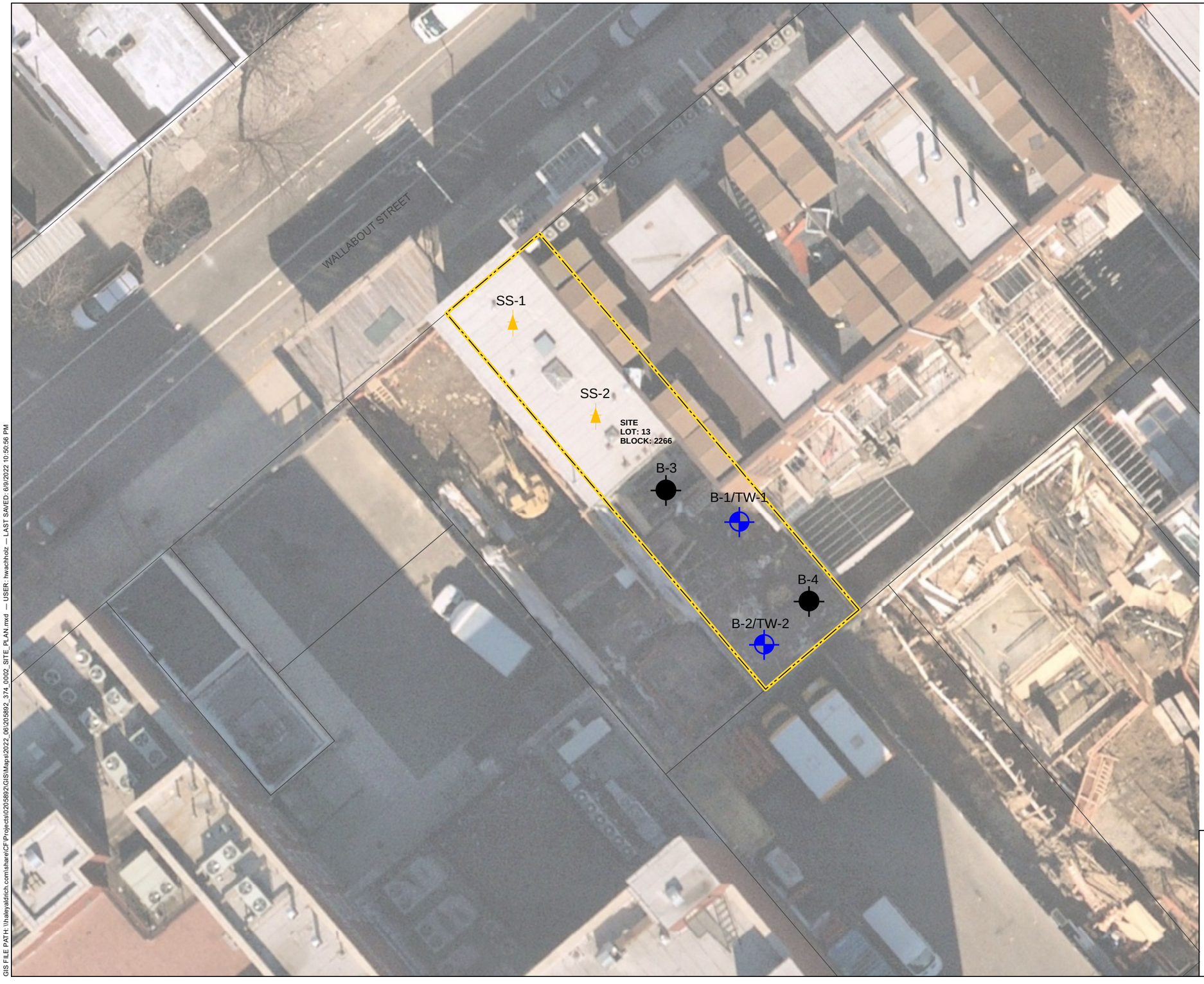
James M. Bellew
Principal



Elizabeth R. Scheuerman
Assistant Project Manager

Attachments:
Figure 1 – Sample Location Map
Figure 2 – Map of Soil Chemistry
Figure 3 – Map of Groundwater Chemistry
Figure 4 – Map of Soil Vapor Chemistry
Table 1 – Soil Analytical Results
Table 2 – Groundwater Analytical Results
Table 3 – Soil Vapor Analytical Results
Attachment A – Soil Boring Logs
Attachment B – Temporary Monitoring Well Purge Logs
Attachment C – Analytical Laboratory Reports

FIGURES



LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SOIL BORING
- TEMPORARY WELL POINT LOCATION
- SUB SLAB SOIL VAPOR (SS) AND/OR SOIL VAPOR (SV) SAMPLE LOCATION

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
3. AERIAL IMAGERY SOURCE: NEARMAP, 27 FEBRUARY 2022

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SCALE IN FEET

HALEY ALDRICH

374 WALLABOUT STREET
BROOKLYN, NEW YORK

SAMPLE LOCATION PLAN

JULY 2022

FIGURE 1

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LOCATION	B-3 (1-3')	
SAMPLING DATE	6/28/2022	
LAB SAMPLE ID	L2234319-06	
Total Metals		
Lead, Total	192	
Mercury, Total	0.559	
Zinc, Total	113	

LOCATION	B-1 (0-2')	
SAMPLING DATE	6/28/2022	
LAB SAMPLE ID	L2234319-05	
Semivolatile Organics by GC/MS		
Benzo(a)anthracene	**1.4**	
Benzo(a)pyrene	**1.3**	
Benzo(b)fluoranthene	**1.5**	
Chrysene	**1.3**	
Indeno(1,2,3-cd)pyrene	0.8	J
Total Metals		
Arsenic, Total	**16.8**	
Copper, Total	79.2	
Lead, Total	**601**	
Mercury, Total	**4.11**	
Selenium, Total	**9.69**	
Zinc, Total	660	

LOCATION	B-2 (1-3')		B-2 (6-8')	
SAMPLING DATE	6/28/2022		6/28/2022	
LAB SAMPLE ID	L2234319-02		L2234319-01	
Semivolatile Organics by GC/MS				
Benzo(a)anthracene	**2.6**		0.12	U
Benzo(a)pyrene	2.2		0.16	U
Benzo(b)fluoranthene	**2.6**		0.12	U
Chrysene	**2.5**		0.12	U
Indeno(1,2,3-cd)pyrene	1.2		0.16	U
Total Metals				
Arsenic, Total	14.3		1.62	
Copper, Total	122		6.85	
Lead, Total	**722**		14.1	
Mercury, Total	**1.58**		0.102	
Zinc, Total	253		16.8	

LOCATION	B-4 (0-2')		B-4 (4-6')	
SAMPLING DATE	6/28/2022		6/28/2022	
LAB SAMPLE ID	L2234319-03		L2234319-04	
Total Metals				
Copper, Total	**2080**		26.8	
Lead, Total	**493**		102	
Mercury, Total	**1.61**		**0.88**	
Silver, Total	3.12		0.884	U
Zinc, Total	345		37.2	
Volatile Organics by EPA 5035				
Acetone	0.011	U	**0.063**	

LEGEND

SITE BOUNDARY

PARCEL BOUNDARY

SOIL BORING LOCATION

New York NYCRR Part 375 New York Restricted and Unrestricted Use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.				
Analyte	**NY-RESGW**	**NY-RESRR**	**NY-UNRES**	**Units**
Semivolatile Organics by GC/MS				
Benzo(a)anthracene	1	1	1	mg/kg
Benzo(a)pyrene	22	1	1	mg/kg
Benzo(b)fluoranthene	1.7	1	1	mg/kg
Chrysene	1	3.9	1	mg/kg
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	mg/kg
Total Metals				
Arsenic, Total	16	16	13	mg/kg
Copper, Total	1720	270	50	mg/kg
Lead, Total	450	400	63	mg/kg
Mercury, Total	0.73	0.81	0.18	mg/kg
Selenium, Total	4	180	3.9	mg/kg
Silver, Total	8.3	180	2	mg/kg
Zinc, Total	2480	10000	109	mg/kg
Volatile Organics by EPA 5035				
Acetone	0.05	100	0.05	mg/kg

NOTES

1. ALL LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.

2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING.

3. AERIAL IMAGERY SOURCE: NEARMAP, 27 FEBRUARY 2022

4. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES (SCO) (NY-UNRES), THE RESTRICTED-USE RESIDENTIAL SCO, PROTECTION OF GROUNDWATER SCOS AND 40 CFR 261 SUBPART C AND TABLE 1 OF 40 CFR 261.24.

5. NY-PGW = NYSDEC PART 375 PROTECTION OF GROUNDWATER SCO

6. NY-RESRR = NYSDEC PART 375 RESTRICTED-USE RESIDENTIAL SCO

7. NY-UNRES = NYSDEC PART 375 UNRESTRICTED USE SCO

8. EXCEEDANCES OF THE NY-UNRES SCOS ARE SHADED GRAY

9. EXCEEDANCES OF THE NY-UNRES AND NY-RESRR ARE SHADED YELLOW

10. EXCEEDANCES OF THE NY-RESGW ARE BOLD

11. MILLIGRAMS PER KILOGRAM (mg/kg)

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SCALE IN FEET

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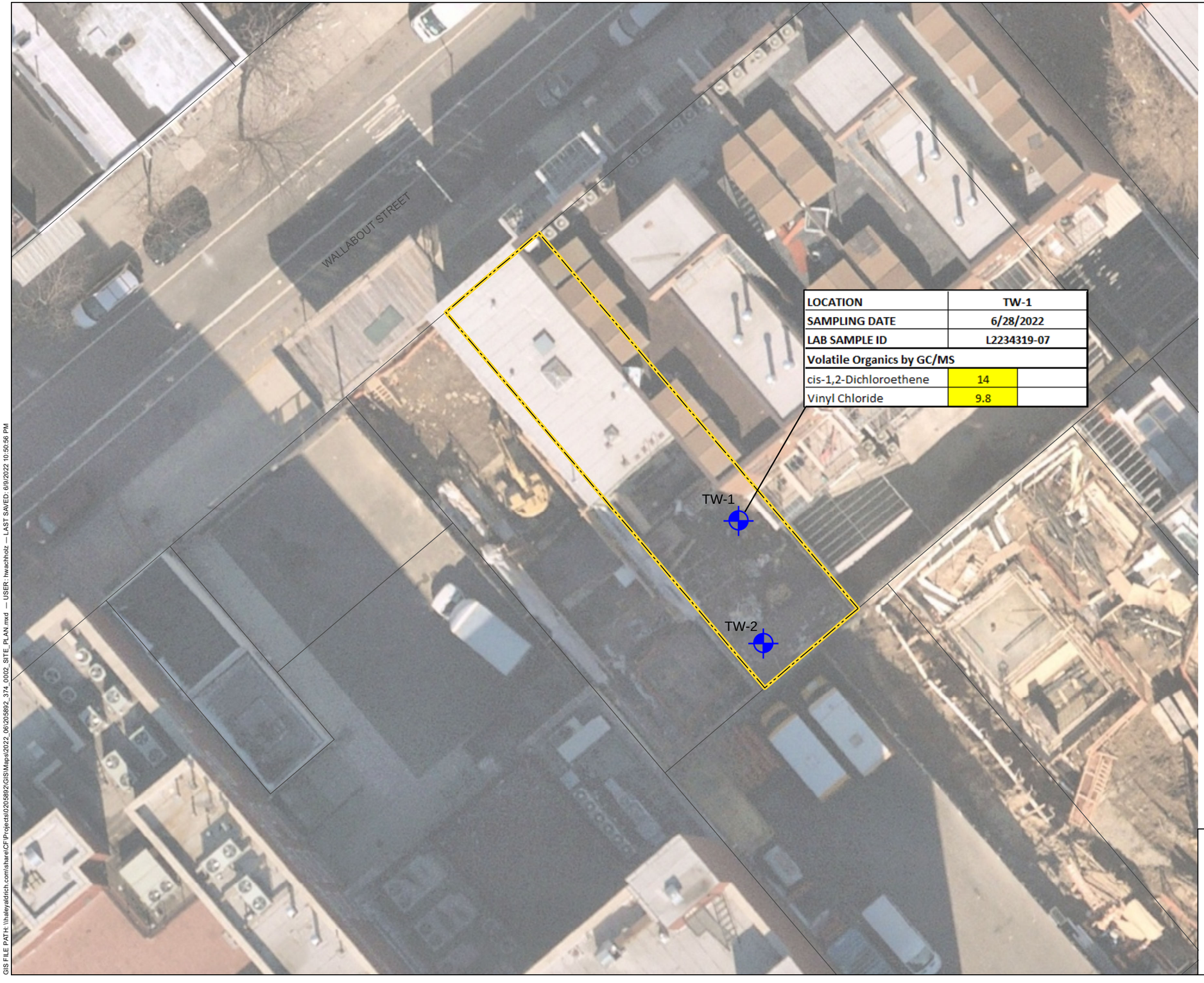
374 WALLABOUT STREET
BROOKLYN, NEW YORK

MAP OF SOIL CHEMISTRY

JULY 2022

FIGURE 2

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LOCATION	TW-1	
SAMPLING DATE	6/28/2022	
LAB SAMPLE ID	L2234319-07	
Volatile Organics by GC/MS		
cis-1,2-Dichloroethene	14	
Vinyl Chloride	9.8	

LEGEND

SITE BOUNDARY

PARCEL BOUNDARY

TEMPORARY WELL POINT LOCATION

Ambient Water Quality Standards (New York State Groundwater Effluent Limitations for Class GA Groundwater)		
Analytes	**AWQS**	**Unit**
cis-1,2-Dichloroethene	5	µg/L
Vinyl Chloride	2	µg/L

NOTES

1. ALL LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.

2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING.

3. AERIAL IMAGERY SOURCE: NEARMAP, 27 FEBRUARY 2022

4. GROUNDWATER ANALYTICAL RESULTS COMPARED TO NYSDEC TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS (AWQSs).

5. EXCEEDANCES OF NYSDEC AWQS ARE SHADED YELLOW.

6. MICROGRAMS PER LITER (µg/L).

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SCALE IN FEET

HALEY ALDRICH

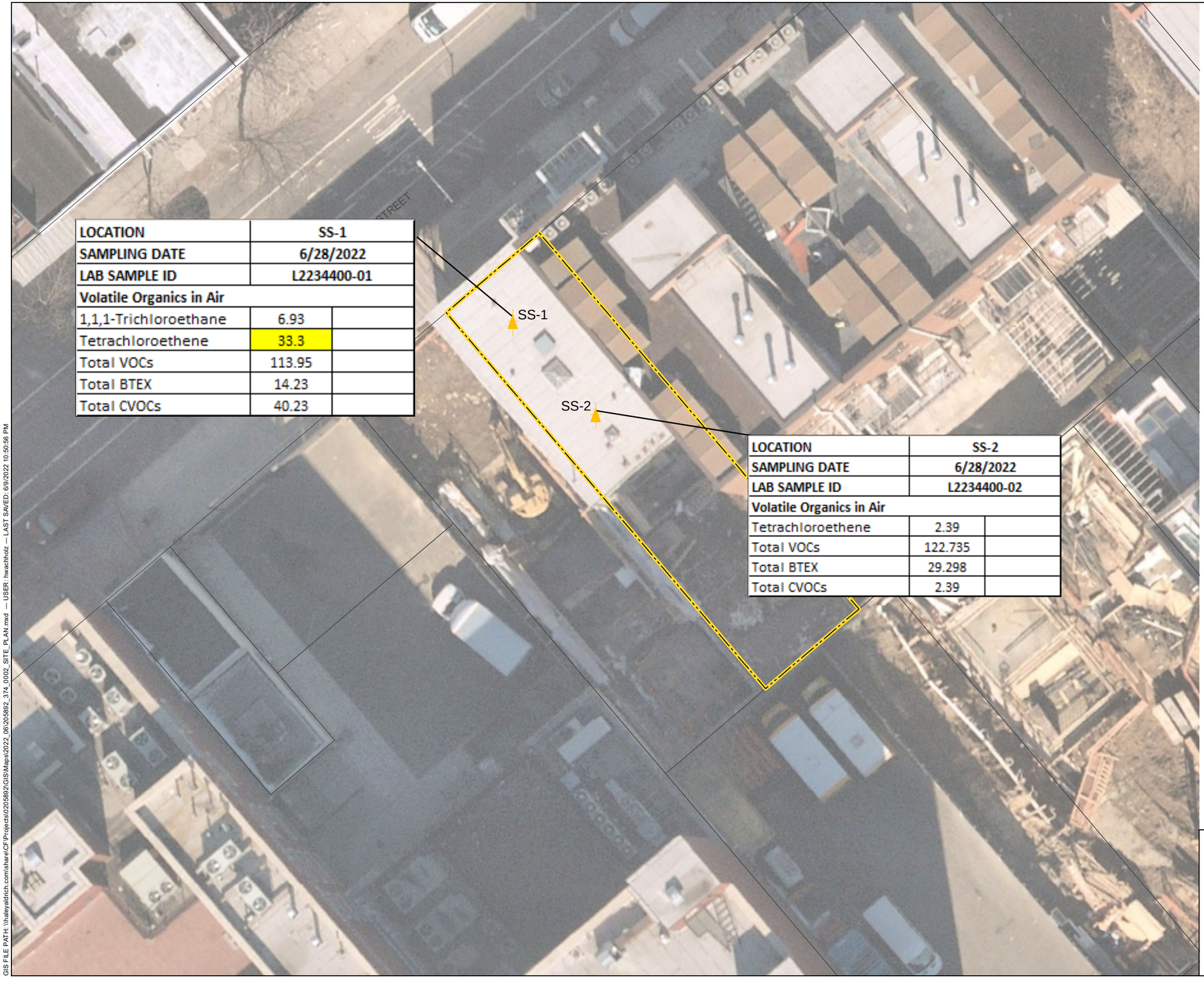
374 WALLABOUT STREET
BROOKLYN, NEW YORK

MAP OF GROUNDWATER CHEMISTRY

JULY 2022

FIGURE 3

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0205892\GIS\Maps\2022_06\205892_374_0002_SITE_PLAN.mxd — USER: hwachholz — LAST SAVED: 6/9/2022 10:50:56 PM



LOCATION	SS-1	
SAMPLING DATE	6/28/2022	
LAB SAMPLE ID	L2234400-01	
Volatile Organics in Air		
1,1,1-Trichloroethane	6.93	
Tetrachloroethene	33.3	
Total VOCs	113.95	
Total BTEX	14.23	
Total CVOCs	40.23	

LOCATION	SS-2	
SAMPLING DATE	6/28/2022	
LAB SAMPLE ID	L2234400-02	
Volatile Organics in Air		
Tetrachloroethene	2.39	
Total VOCs	122.735	
Total BTEX	29.298	
Total CVOCs	2.39	

LEGEND

SITE BOUNDARY

PARCEL BOUNDARY

SUB SLAB SOIL VAPOR (SS) SAMPLE LOCATION

New York DOH Air Guidance Values Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.		
Volatile Organics in Air	**NYSDOH AGVs**	**Units**
1,1,1-Trichloroethane	~	~
Tetrachloroethene	2	$\mu g/m^3$

NOTES

1. ALL LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.

2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING.

3. AERIAL IMAGERY SOURCE: NEARMAP, 27 FEBRUARY 2022

4. MICROGRAMS PER CUBIC METER (µg/m3)

5. NYSDOH AGV: NEW YORK DOH AIR GUIDANCE VALUES CONCENTRATIONS CRITERIA PER GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION, OCTOBER 2006, AND UPDATED MAY 2017. EXCEEDANCES OF AGVS ARE BOLDED AND UNDERLINED.

6. EXCEEDANCES OF NYSDOH AGVS ARE SHADED YELLOW

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SCALE IN FEET

HALEY ALDRICH

374 WALLABOUT STREET
BROOKLYN, NEW YORK

MAP OF SOIL VAPOR CHEMISTRY

JULY 2022

FIGURE 4

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TABLES

Table 1. Soil Analytical Results
Limited Phase II ESI
374 Wallabout Street, Brooklyn, NY

LOCATION					B-1 (0-2')		B-2 (1-3')		B-2 (6-8')		B-3 (1-3')		B-4 (0-2')		B-4 (4-6')	
SAMPLING DATE					6/28/2022		6/28/2022		6/28/2022		6/28/2022		6/28/2022		6/28/2022	
LAB SAMPLE ID					L2234319-05		L2234319-02		L2234319-01		L2234319-06		L2234319-03		L2234319-04	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	NY-RESGW	NY-RESRR	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry																
Solids, Total				%	76		85.9		81		85.3		87.6		85.1	
Semivolatile Organics by GC/MS																
1,2,4,5-Tetrachlorobenzene	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
1,2,4-Trichlorobenzene	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
1,2-Dichlorobenzene	1.1	100	1.1	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
1,3-Dichlorobenzene	2.4	49	2.4	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
1,4-Dichlorobenzene	1.8	13	1.8	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
1,4-Dioxane	0.1	13	0.1	mg/kg	0.16	U	0.029	U	0.03	U	0.029	U	0.14	U	0.029	U
2,4,5-Trichlorophenol	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
2,4,6-Trichlorophenol	~	~	~	mg/kg	0.65	U	0.12	U	0.12	U	0.12	U	0.56	U	0.12	U
2,4-Dichlorophenol	~	~	~	mg/kg	0.98	U	0.17	U	0.18	U	0.18	U	0.85	U	0.18	U
2,4-Dimethylphenol	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
2,4-Dinitrophenol	~	~	~	mg/kg	5.2	U	0.92	U	0.96	U	0.93	U	4.5	U	0.93	U
2,4-Dinitrotoluene	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
2,6-Dinitrotoluene	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
2-Chloronaphthalene	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
2-Chlorophenol	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
2-Methylnaphthalene	~	~	~	mg/kg	0.16	J	0.28		0.24	U	0.23	U	1.1	U	0.23	U
2-Methylphenol	0.33	100	0.33	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
2-Nitroaniline	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
2-Nitrophenol	~	~	~	mg/kg	2.4	U	0.42	U	0.43	U	0.42	U	2	U	0.42	U
3,3'-Dichlorobenzidine	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	100	0.33	mg/kg	1.6	U	0.28	U	0.039	J	0.28	U	1.4	U	0.28	U
3-Nitroaniline	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
4,6-Dinitro-o-cresol	~	~	~	mg/kg	2.8	U	0.5	U	0.52	U	0.5	U	2.4	U	0.51	U
4-Bromophenyl phenyl ether	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
4-Chloroaniline	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
4-Chlorophenyl phenyl ether	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
4-Nitroaniline	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
4-Nitrophenol	~	~	~	mg/kg	1.5	U	0.27	U	0.28	U	0.27	U	1.3	U	0.27	U
Acenaphthene	98	100	20	mg/kg	0.23	J	0.66		0.16	U	0.16	U	0.75	U	0.16	U
Acenaphthylene	107	100	100	mg/kg	0.17	J	0.19		0.16	U	0.16	U	0.75	U	0.16	U
Acetophenone	~	~	~	mg/kg	1.1	U	0.042	J	0.2	U	0.19	U	0.94	U	0.19	U
Anthracene	1000	100	100	mg/kg	0.56	J	1.3		0.12	U	0.12	U	0.56	U	0.12	U
Benzo(a)anthracene	1	1	1	mg/kg	**1.4**		**2.6**		0.12	U	0.054	J	0.51	J	0.12	U
Benzo(a)pyrene	22	1	1	mg/kg	1.3		2.2		0.16	U	0.07	J	0.52	J	0.16	U
Benzo(b)fluoranthene	1.7	1	1	mg/kg	1.5		**2.6**		0.12	U	0.094	J	0.63		0.12	U
Benzo(ghi)perylene	1000	100	100	mg/kg	0.67	J	1		0.16	U	0.047	J	0.3	J	0.16	U
Benzo(k)fluoranthene	1.7	3.9	0.8	mg/kg	0.48	J	0.7		0.12	U	0.12	U	0.21	J	0.12	U
Benzoic Acid	~	~	~	mg/kg	3.5	U	0.62	U	0.65	U	0.63	U	3	U	0.63	U
Benzyl Alcohol	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
Biphenyl	~	~	~	mg/kg	2.5	U	0.062	J	0.46	U	0.44	U	2.1	U	0.44	U
Bis(2-chloroethoxy)methane	~	~	~	mg/kg	1.2	U	0.21	U	0.22	U	0.21	U	1	U	0.21	U
Bis(2-chloroethyl)ether	~	~	~	mg/kg	0.98	U	0.17	U	0.18	U	0.18	U	0.85	U	0.18	U
Bis(2-chloroisopropyl)ether	~	~	~	mg/kg	1.3	U	0.23	U	0.24	U	0.23	U	1.1	U	0.23	U
Bis(2-ethylhexyl)phthalate	~	~	~	mg/kg	1.1	U	0.24		0.2	U	0.071	J	0.94	U	0.19	U
Butyl benzyl phthalate	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
Carbazole	~	~	~	mg/kg	0.21	J	0.39		0.2	U	0.19	U	0.94	U	0.19	U
Chrysene	1	3.9	1	mg/kg	**1.3**		**2.5**		0.12	U	0.056	J	0.49	J	0.12	U
Di-n-butylphthalate	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
Di-n-octylphthalate	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
Dibenzo(a,h)anthracene	1000	0.33	0.33	mg/kg	0.18	J	0.3		0.12	U	0.12	U	0.56	U	0.12	U
Dibenzofuran	210	59	7	mg/kg	0.15	J	0.36		0.2	U	0.19	U	0.94	U	0.19	U
Diethyl phthalate	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
Dimethyl phthalate	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
Fluoranthene	1000	100	100	mg/kg	2.8		4.8		0.12	U	0.08	J	0.97		0.12	U
Fluorene	386	100	30	mg/kg	0.29	J	0.74		0.2	U	0.19	U	0.94	U	0.19	U
Hexachlorobenzene	3.2	1.2	0.33	mg/kg	0.65	U	0.12	U	0.12	U	0.12	U	0.56	U	0.12	U
Hexachlorobutadiene	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
Hexachlorocyclopentadiene	~			mg/kg	3.1	U	0.55	U	0.57	U	0.56	U	2.7	U	0.56	U
Hexachloroethane	~	~	~	mg/kg	0.87	U	0.15	U	0.16	U	0.16	U	0.75	U	0.16	U
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	mg/kg	0.8	J	1.2		0.16	U	0.055	J	0.36	J	0.16	U
Isophorone	~	~	~	mg/kg	0.98	U	0.17	U	0.18	U	0.18	U	0.85	U	0.18	U
n-Nitrosodi-n-propylamine	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
Naphthalene	12	100	12	mg/kg	0.28	J	0.38		0.2	U	0.19	U	0.94	U	0.19	U
NDPA/DPA	~	~	~	mg/kg	0.87	U	0.15	U	0.16	U	0.16	U	0.75	U	0.16	U
Nitrobenzene	~	~	~	mg/kg	0.98	U	0.17	U	0.18	U	0.18	U	0.85	U	0.18	U
p-Chloro-m-cresol	~	~	~	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
Pentachlorophenol	0.8	6.7	0.8	mg/kg	0.87	U	0.15	U	0.16	U	0.16	U	0.75	U	0.16	U
Phenanthrene	1000	100	100	mg/kg	2.3		6		0.12	U	0.028	J	0.48	J	0.12	U
Phenol	0.33	100	0.33	mg/kg	1.1	U	0.19	U	0.2	U	0.19	U	0.94	U	0.19	U
Pyrene	1000	100	100	mg/kg	2.6		4.8		0.12	U	0.077	J	0.85		0.12	U
Total Metals																
Aluminum, Total	~	~	~	mg/kg	6550		6060		6370		5380		5060		5840	
Antimony, Total	~	~	~	mg/kg	1.6	J	1.26	J	4.86	U	0.585	J	0.834	J	0.433	J
Arsenic, Total	16	16	13	mg/kg	**16.8**		14.3		1.62		4.32		8.74		2.34	
Barium, Total	820	400	350	mg/kg	191		339		42.9		129		266		61.9	
Beryllium, Total	47	72	7.2	mg/kg	0.415	J	0.385	J	0.35	J	0.293	J	0.287	J	0.327	J
Cadmium, Total	7.5	4.3	2.5	mg/kg	0.435	J	0.917	U	0.971	U	0.914	U	0.251	J	0.884	U
Calcium, Total	~	~	~	mg/kg	5210		8400		1230		6520		7410		2220	
Chromium, Total	~	~	~	mg/kg	22.5		15.4		11		14.3		14.5		10.9	
Cobalt, Total	~	~	~	mg/kg	5.53		6.55		3.74		4.42		4.86		3.39	
Copper, Total	1720	270	50	mg/kg	79.2		122		6.85		33.4		**2080**		26.8	
Iron, Total	~	~	~	mg/kg	18300		18700		11800		11700		13200		8240	
Lead, Total	450	400	63	mg/kg	**601**		**722**		14.1		192		**493**		102	
Magnesium, Total	~	~	~	mg/kg	1040		1280		994		1560		1270		997	
Manganese, Total	2000	2000	1600	mg/kg	108		207		60.1		114		186		51.2	
Mercury, Total	0.73	0.81	0.18	mg/kg	**4.11**		**1.58**		0.102		0.559		**1.61**		**0.88**	
Nickel, Total	130	310	30	mg/kg	15		17.4		7.23		9.82		10.3		7.38	
Potassium, Total	~	~	~	mg/kg	553		563		326		557		538		443	
Selenium, Total	4	180	3.9	mg/kg	**9.69**		1.08	J	0.301	J	0.375	J	0.816	J	0.83	J
Silver, Total	8.3	180	2	mg/kg	0.306	J	0.917	U	0.971	U	0.914	U	3.12		0.884	U
Sodium, Total	~	~	~	mg/kg	165	J	207		50.9	J	131	J	132	J	63.2	J
Thallium, Total	~	~	~	mg/kg	1.98	U	1.83	U	1.94	U	1.83	U	1.79	U	1.77	U
Vanadium, Total	~	~	~	mg/kg	27.5		27.6		16.8		19.1		20.6		14.9	
Zinc, Total	2480	10000	109	mg/kg	660		253		16.8		113		345		37.2	

Table 1. Soil Analytical Results
Limited Phase II ESI
374 Wallabout Street, Brooklyn, NY

LOCATION					B-1 (0-2')		B-2 (1-3')		B-2 (6-8')		B-3 (1-3')		B-4 (0-2')		B-4 (4-6')	
SAMPLING DATE					6/28/2022		6/28/2022		6/28/2022		6/28/2022		6/28/2022		6/28/2022	
LAB SAMPLE ID					L2234319-05		L2234319-02		L2234319-01		L2234319-06		L2234319-03		L2234319-04	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	NY-RESGW	NY-RESRR	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by EPA 5035																
1,1,1,2-Tetrachloroethane	~	~	~	mg/kg	0.0009	U	0.00069	U	0.00053	U	0.00066	U	0.00055	U	0.00073	U
1,1,1-Trichloroethane	0.68	100	0.68	mg/kg	0.0009	U	0.00069	U	0.00053	U	0.00066	U	0.00055	U	0.00073	U
1,1,2,2-Tetrachloroethane	~	~	~	mg/kg	0.0009	U	0.00069	U	0.00053	U	0.00066	U	0.00055	U	0.00073	U
1,1,2-Trichloroethane	~	~	~	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
1,1-Dichloroethane	0.27	26	0.27	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
1,1-Dichloroethene	0.33	100	0.33	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
1,1-Dichloropropene	~	~	~	mg/kg	0.0009	U	0.00069	U	0.00053	U	0.00066	U	0.00055	U	0.00073	U
1,2,3-Trichlorobenzene	~	~	~	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
1,2,3-Trichloropropane	~	~	~	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
1,2,4,5-Tetramethylbenzene	~	~	~	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
1,2,4-Trichlorobenzene	~	~	~	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
1,2,4-Trimethylbenzene	3.6	52	3.6	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
1,2-Dibromo-3-chloropropane	~	~	~	mg/kg	0.0054	U	0.0041	U	0.0032	U	0.004	U	0.0033	U	0.0044	U
1,2-Dibromoethane	~	~	~	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
1,2-Dichlorobenzene	1.1	100	1.1	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
1,2-Dichloroethane	0.02	3.1	0.02	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
1,2-Dichloroethene, Total	~	~	~	mg/kg	0.0018	U	0.0014	U	0.0026		0.0013	U	0.0011	U	0.002	
1,2-Dichloropropane	~	~	~	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
1,3,5-Trimethylbenzene	8.4	52	8.4	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
1,3-Dichlorobenzene	2.4	49	2.4	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
1,3-Dichloropropane	~	~	~	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
1,3-Dichloropropene, Total	~	~	~	mg/kg	0.0009	U	0.00069	U	0.00053	U	0.00066	U	0.00055	U	0.00073	U
1,4-Dichlorobenzene	1.8	13	1.8	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
1,4-Dioxane	0.1	13	0.1	mg/kg	0.14	U	0.11	U	0.084	U	0.1	U	0.088	U	0.12	U
2,2-Dichloropropane	~	~	~	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
2-Butanone	0.12	100	0.12	mg/kg	0.018	U	0.014	U	0.011		0.013	U	0.011	U	0.014	J
2-Hexanone	~	~	~	mg/kg	0.018	U	0.014	U	0.01	U	0.013	U	0.011	U	0.015	U
4-Methyl-2-pentanone	~	~	~	mg/kg	0.018	U	0.014	U	0.01	U	0.013	U	0.011	U	0.015	U
Acetone	0.05	100	0.05	mg/kg	0.015	J	0.014	U	0.039		0.013	U	0.011	U	**0.063**	
Acrylonitrile	~	~	~	mg/kg	0.0072	U	0.0055	U	0.0042	U	0.0053	U	0.0044	U	0.0059	U
Benzene	0.06	4.8	0.06	mg/kg	0.0009	U	0.00069	U	0.00053	U	0.00066	U	0.00055	U	0.00073	U
Bromobenzene	~	~	~	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
Bromochloromethane	~	~	~	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
Bromodichloromethane	~	~	~	mg/kg	0.0009	U	0.00069	U	0.00053	U	0.00066	U	0.00055	U	0.00073	U
Bromoform	~	~	~	mg/kg	0.0072	U	0.0055	U	0.0042	U	0.0053	U	0.0044	U	0.0059	U
Bromomethane	~	~	~	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
Carbon disulfide	~	~	~	mg/kg	0.018	U	0.014	U	0.01	U	0.013	U	0.011	U	0.015	U
Carbon tetrachloride	0.76	2.4	0.76	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
Chlorobenzene	1.1	100	1.1	mg/kg	0.0009	U	0.00069	U	0.00053	U	0.00066	U	0.00055	U	0.00073	U
Chloroethane	~	~	~	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
Chloroform	0.37	49	0.37	mg/kg	0.0027	U	0.0021	U	0.0016	U	0.002	U	0.0016	U	0.0022	U
Chloromethane	~	~	~	mg/kg	0.0072	U	0.0055	U	0.0042	U	0.0053	U	0.0044	U	0.0059	U
cis-1,2-Dichloroethene	0.25	100	0.25	mg/kg	0.0018	U	0.0014	U	0.0026		0.0013	U	0.0011	U	0.002	
cis-1,3-Dichloropropene	~	~	~	mg/kg	0.0009	U	0.00069	U	0.00053	U	0.00066	U	0.00055	U	0.00073	U
Dibromochloromethane	~	~	~	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
Dibromomethane	~	~	~	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
Dichlorodifluoromethane	~	~	~	mg/kg	0.018	U	0.014	U	0.01	U	0.013	U	0.011	U	0.015	U
Ethyl ether	~	~	~	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
Ethylbenzene	1	41	1	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
Hexachlorobutadiene	~	~	~	mg/kg	0.0072	U	0.0055	U	0.0042	U	0.0053	U	0.0044	U	0.0059	U
Isopropylbenzene	~	~	~	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
Methyl tert butyl ether	0.93	100	0.93	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
Methylene chloride	0.05	100	0.05	mg/kg	0.009	U	0.0069	U	0.0053	U	0.0066	U	0.0055	U	0.0073	U
n-Butylbenzene	12	100	12	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
n-Propylbenzene	3.9	100	3.9	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
Naphthalene	12	100	12	mg/kg	0.0072	U	0.0055	U	0.0042	U	0.0053	U	0.0044	U	0.0059	U
o-Chlorotoluene	~	~	~	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
o-Xylene	~	~	~	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
p-Chlorotoluene	~	~	~	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
p-Diethylbenzene	~	~	~	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
p-Ethyltoluene	~	~	~	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
p-Isopropyltoluene	~	~	~	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
p/m-Xylene	~	~	~	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
sec-Butylbenzene	11	100	11	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
Styrene	~	~	~	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
tert-Butylbenzene	5.9	100	5.9	mg/kg	0.0036	U	0.0028	U	0.0021	U	0.0026	U	0.0022	U	0.0029	U
Tetrachloroethene	1.3	19	1.3	mg/kg	0.0009	U	0.00069	U	0.00053	U	0.00066	U	0.00055	U	0.00073	U
Toluene	0.7	100	0.7	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
trans-1,2-Dichloroethene	0.19	100	0.19	mg/kg	0.0027	U	0.0021	U	0.0016	U	0.002	U	0.0016	U	0.0022	U
trans-1,3-Dichloropropene	~	~	~	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
trans-1,4-Dichloro-2-butene	~	~	~	mg/kg	0.009	U	0.0069	U	0.0053	U	0.0066	U	0.0055	U	0.0073	U
Trichloroethene	0.47	21	0.47	mg/kg	0.0009	U	0.00069	U	0.00053	U	0.00066	U	0.00055	U	0.00073	U
Trichlorofluoromethane	~	~	~	mg/kg	0.0072	U	0.0055	U	0.0042	U	0.0053	U	0.0044	U	0.0059	U
Vinyl acetate	~	~	~	mg/kg	0.018	U	0.014	U	0.01	U	0.013	U	0.011	U	0.015	U
Vinyl chloride	0.02	0.9	0.02	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U
Xylenes, Total	1.6	100	0.26	mg/kg	0.0018	U	0.0014	U	0.001	U	0.0013	U	0.0011	U	0.0015	U

Notes:

1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO), the Restricted-use Residential SCO and Protection of Groundwater SCOs.
2. ~ = Regulatory limit for this analyte does not exist
3. mg/kg = milligrams per kilogram
4. % = percent
5. NY-RESGW = NYSDEC Part 375 Protection of Groundwater SCO
6. NY-RESRR = NYSDEC Part 375 Restricted-Use Residential SCO
7. NY-UNRES = NYSDEC Part 375 Unrestricted-Use SCO
8. Exceedances of the NY-UNRES SCOs are shaded gray
9. Exceedances of the NY-UNRES and NY-RESRR are shaded yellow
10. Exceedances of the NY-RESGW are bolded

Qualifiers:

J = The analyte was detected above the Method Detection Limit (MDL), but below the RL; therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the reporting limit (RL); the value shown in the table is the RL.

Table 2. Groundwater Analytical Results
Limited Phase II ESI
374 Wallabout Street, Brooklyn, NY

LOCATION			TW-1		TW-2		TB-20220628	
SAMPLING DATE			6/28/2022		6/28/2022		6/28/2022	
LAB SAMPLE ID			L2234319-07		L2234319-08		L2234319-09	
SAMPLE TYPE			WATER		WATER		WATER	
	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by GC/MS								
1,1,1,2-Tetrachloroethane	5	µg/L	-	-	-	-	2.5	U
1,1,1-Trichloroethane	5	µg/L	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	µg/L	-	-	-	-	0.5	U
1,1,2-Trichloroethane	1	µg/L	-	-	-	-	1.5	U
1,1-Dichloroethane	5	µg/L	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	µg/L	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	µg/L	-	-	-	-	2.5	U
1,2,3-Trichlorobenzene	5	µg/L	-	-	-	-	2.5	U
1,2,3-Trichloropropane	0.04	µg/L	-	-	-	-	2.5	U
1,2,4,5-Tetramethylbenzene	5	µg/L	-	-	-	-	2	U
1,2,4-Trichlorobenzene	5	µg/L	-	-	-	-	2.5	U
1,2,4-Trimethylbenzene	5	µg/L	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	µg/L	-	-	-	-	2.5	U
1,2-Dibromoethane	0.0006	µg/L	-	-	-	-	2	U
1,2-Dichlorobenzene	3	µg/L	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	µg/L	0.5	U	0.5	U	0.5	U
1,2-Dichloroethene, Total	~	µg/L	-	-	-	-	2.5	U
1,2-Dichloropropane	1	µg/L	-	-	-	-	1	U
1,3,5-Trimethylbenzene	5	µg/L	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	µg/L	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	5	µg/L	-	-	-	-	2.5	U
1,3-Dichloropropene, Total	~	µg/L	-	-	-	-	0.5	U
1,4-Dichlorobenzene	3	µg/L	2.5	U	2.5	U	2.5	U
1,4-Dioxane	~	µg/L	250	U	250	U	250	U
2,2-Dichloropropane	5	µg/L	-	-	-	-	2.5	U
2-Butanone	50	µg/L	5	U	5	U	5	U
2-Hexanone	50	µg/L	-	-	-	-	5	U
4-Methyl-2-pentanone	~	µg/L	-	-	-	-	5	U
Acetone	50	µg/L	5	U	5	U	5	U
Acrylonitrile	5	µg/L	-	-	-	-	5	U
Benzene	1	µg/L	0.21	J	0.5	U	0.5	U
Bromobenzene	5	µg/L	-	-	-	-	2.5	U
Bromochloromethane	5	µg/L	-	-	-	-	2.5	U
Bromodichloromethane	50	µg/L	-	-	-	-	0.5	U
Bromoform	50	µg/L	-	-	-	-	2	U
Bromomethane	5	µg/L	-	-	-	-	2.5	U
Carbon disulfide	60	µg/L	-	-	-	-	5	U
Carbon tetrachloride	5	µg/L	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	µg/L	2.5	U	2.5	U	2.5	U
Chloroethane	5	µg/L	-	-	-	-	2.5	U
Chloroform	7	µg/L	2.5	U	2.5	U	2.5	U
Chloromethane	~	µg/L	-	-	-	-	2.5	U
cis-1,2-Dichloroethene	5	µg/L	14		2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	µg/L	-	-	-	-	0.5	U
Dibromochloromethane	50	µg/L	-	-	-	-	0.5	U
Dibromomethane	5	µg/L	-	-	-	-	5	U
Dichlorodifluoromethane	5	µg/L	-	-	-	-	5	U
Ethyl ether	~	µg/L	-	-	-	-	2.5	U
Ethylbenzene	5	µg/L	2.5	U	2.5	U	2.5	U
Hexachlorobutadiene	0.5	µg/L	-	-	-	-	2.5	U
Isopropylbenzene	5	µg/L	-	-	-	-	2.5	U
Methyl tert butyl ether	10	µg/L	2.5	U	2.5	U	2.5	U
Methylene chloride	5	µg/L	2.5	U	2.5	U	2.5	U
n-Butylbenzene	5	µg/L	2.5	U	2.5	U	2.5	U
n-Propylbenzene	5	µg/L	2.5	U	2.5	U	2.5	U
Naphthalene	10	µg/L	-	-	-	-	2.5	U
o-Chlorotoluene	5	µg/L	-	-	-	-	2.5	U
o-Xylene	5	µg/L	2.5	U	2.5	U	2.5	U
p-Chlorotoluene	5	µg/L	-	-	-	-	2.5	U
p-Diethylbenzene	~	µg/L	-	-	-	-	2	U
p-Ethyltoluene	~	µg/L	-	-	-	-	2	U
p-Isopropyltoluene	5	µg/L	-	-	-	-	2.5	U
p/m-Xylene	5	µg/L	2.5	U	2.5	U	2.5	U
sec-Butylbenzene	5	µg/L	2.5	U	2.5	U	2.5	U
Styrene	5	µg/L	-	-	-	-	2.5	U
tert-Butylbenzene	5	µg/L	2.5	U	2.5	U	2.5	U
Tetrachloroethene	5	µg/L	0.5	U	0.5	U	0.5	U
Toluene	5	µg/L	2.5	U	2.5	U	2.5	U
trans-1,2-Dichloroethene	5	µg/L	2.5	U	2.5	U	2.5	U
trans-1,3-Dichloropropene	0.4	µg/L	-	-	-	-	0.5	U
trans-1,4-Dichloro-2-butene	5	µg/L	-	-	-	-	2.5	U
Trichloroethene	5	µg/L	0.2	J	0.5	U	0.5	U
Trichlorofluoromethane	5	µg/L	-	-	-	-	2.5	U
Vinyl acetate	~	µg/L	-	-	-	-	5	U
Vinyl chloride	2	µg/L	9.8		1	U	1	U
Xylenes, Total	~	µg/L	-	-	-	-	2.5	U

Notes:

1. Groundwater results are compared to the NYSDEC Technical and Operational Guidance Series (TOGS)
1.1.1 Ambient Water Quality Standards (AWQS) and Guidance Values (SGVs) for Class A Drinking Water
2. ~ = Regulatory limit for the analyte does not exist
3. µg/L = micrograms per liter
4. Exceedances of the NY-AWQS are shaded yellow

Qualifiers:

J = The analyte was detected above the Method Detection Limit (MDL), but below the RL; therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the reporting limit (RL); the value shown in the table is the RL.

Table 3. Soil Vapor Analtyical Results
Limited Phase II ESI
374 Wallabout Street, Brooklyn, NY

LOCATION			SS-1		SS-2	
SAMPLING DATE			6/28/2022		6/28/2022	
LAB SAMPLE ID			L2234400-01		L2234400-02	
SAMPLE TYPE			SOIL VAPOR		SOIL VAPOR	
	NYSDOH AGVs	Units	Results	Qual	Results	Qual
Volatile Organics in Air						
1,1,1-Trichloroethane	~	ug/m3	6.93		1.09	U
1,1,2,2-Tetrachloroethane	~	ug/m3	1.37	U	1.37	U
1,1,2-Trichloroethane	~	ug/m3	1.09	U	1.09	U
1,1-Dichloroethane	~	ug/m3	0.809	U	0.809	U
1,1-Dichloroethene	~	ug/m3	0.793	U	0.793	U
1,2,4-Trichlorobenzene	~	ug/m3	1.48	U	1.48	U
1,2,4-Trimethylbenzene	~	ug/m3	2.2		2.1	
1,2-Dibromoethane	~	ug/m3	1.54	U	1.54	U
1,2-Dichlorobenzene	~	ug/m3	1.2	U	1.2	U
1,2-Dichloroethane	~	ug/m3	0.809	U	0.809	U
1,2-Dichloropropane	~	ug/m3	0.924	U	0.924	U
1,3,5-Trimethylbenzene	~	ug/m3	0.983	U	0.983	U
1,3-Butadiene	~	ug/m3	0.442	U	0.442	U
1,3-Dichlorobenzene	~	ug/m3	1.2	U	1.2	U
1,4-Dichlorobenzene	~	ug/m3	1.2	U	1.2	U
1,4-Dioxane	~	ug/m3	0.721	U	0.721	U
2,2,4-Trimethylpentane	~	ug/m3	0.934	U	0.934	U
2-Butanone	~	ug/m3	2.63		6.84	
2-Hexanone	~	ug/m3	0.82	U	0.82	U
3-Chloropropene	~	ug/m3	0.626	U	0.626	U
4-Ethyltoluene	~	ug/m3	0.983	U	0.983	U
4-Methyl-2-pentanone	~	ug/m3	2.05	U	2.05	U
Acetone	~	ug/m3	11.4		45.8	
Benzene	~	ug/m3	0.639	U	2.64	
Benzyl chloride	~	ug/m3	1.04	U	1.04	U
Bromodichloromethane	~	ug/m3	1.34	U	1.34	U
Bromoform	~	ug/m3	2.07	U	2.07	U
Bromomethane	~	ug/m3	0.777	U	0.777	U
Carbon disulfide	~	ug/m3	1.73		11.4	
Carbon tetrachloride	~	ug/m3	1.26	U	1.26	U
Chlorobenzene	~	ug/m3	0.921	U	0.921	U
Chloroethane	~	ug/m3	0.528	U	0.528	U
Chloroform	~	ug/m3	36.9		18.9	
Chloromethane	~	ug/m3	0.413	U	0.942	
cis-1,2-Dichloroethene	~	ug/m3	0.793	U	0.793	U
cis-1,3-Dichloropropene	~	ug/m3	0.908	U	0.908	U
Cyclohexane	~	ug/m3	0.688	U	0.688	U
Dibromochloromethane	~	ug/m3	1.7	U	1.7	U
Dichlorodifluoromethane	~	ug/m3	2.93		2.79	
Ethanol	~	ug/m3	9.42	U	9.42	U
Ethyl Acetate	~	ug/m3	1.8	U	1.8	U
Ethylbenzene	~	ug/m3	0.869	U	0.938	
Freon-113	~	ug/m3	1.53	U	1.53	U
Freon-114	~	ug/m3	1.4	U	1.4	U
Heptane	~	ug/m3	0.82	U	0.82	U
Hexachlorobutadiene	~	ug/m3	2.13	U	2.13	U
Isopropanol	~	ug/m3	1.23	U	1.23	U
Methyl tert butyl ether	~	ug/m3	0.721	U	0.721	U
Methylene chloride	60	ug/m3	1.74	U	1.74	U
n-Hexane	~	ug/m3	0.705	U	0.835	
o-Xylene	~	ug/m3	1.12		1.48	
p/m-Xylene	~	ug/m3	2.31		3.34	
Styrene	~	ug/m3	0.852	U	0.852	U
Tertiary butyl Alcohol	~	ug/m3	1.52	U	1.52	U
Tetrachloroethene	30	ug/m3	33.3		2.39	
Tetrahydrofuran	~	ug/m3	1.47	U	1.47	U
Toluene	~	ug/m3	10.8		20.9	
trans-1,2-Dichloroethene	~	ug/m3	0.793	U	0.793	U
trans-1,3-Dichloropropene	~	ug/m3	0.908	U	0.908	U
Trichloroethene	2	ug/m3	1.07	U	1.07	U
Trichlorofluoromethane	~	ug/m3	1.7		1.44	
Vinyl bromide	~	ug/m3	0.874	U	0.874	U
Vinyl chloride	~	ug/m3	0.511	U	0.511	U

Notes:
1. Samples are compared to New York DOH Air Guidance Values Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
2. ~ = Regulatory limit for this analyte does not exist
3. ug/m3 = micrograms per cubic meter
4. Exceedances of the NYSDOG AGVs are shaded yellow

Qualifiers:
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the reporting limit (RL); the value shown in the table is the RL.

ATTACHMENT A

SOIL BORING LOGS

HALEY ALDRICH

GEOPROBE BORING REPORT

BORING NO. B-1

Page 1 of 1

PROJECT	374 Wallabout Street - Limited Phase II ESI	**PROJECT NO.**	0205892
LOCATION	374 Wallabout Street, Brooklyn, NY	**PROJECT MGR.**	E. Scheurerman
CLIENT	Joe Fried	**FIELD REP.**	Y. Lin
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	6/28/2022
DRILLER	T. Kelly, M. Kolasinski	**DATE FINISHED**	6/28/2022

Elevation ft. **Datum** **Boring Location** See Plan

Item	Casing	Sampler	Core Barrel
Type	Steel		
Inside Diameter (in.)	1-in		
Hammer Weight (lb.)	Macrocore		
Hammer Fall (in.)	NA		

Rig Make & Model

- ☐ Truck ☐ Tripod ☐ Cat-Head
- ☐ ATV ☑ Geoprobe ☐ Winch
- ☑ Track ☐ Air Track ☐ Roller Bit
- ☐ Skid ☑ Other ☐ Cutting Head

Hammer Type

- ☐ Safety
- ☐ Doughnut
- ☑ Automatic

Drilling Mud

- ☑ Bentonite
- ☐ Polymer
- ☐ None

Casing Advance

Type Method Depth: Direct push

Drilling Notes:

Depth (ft.)	Recovery (ft / total)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)
0					
1	1.6/2'	0.0	B-2(0-2')	0-2'	Loose, dark gray medium to fine silty SAND with fragments of brick and asphalt, no odor, moist (FILL)
2					
3	1.6/2'	0.0			Loose, dark gray medium to fine silty SAND with fragments of brick and asphalt, no odor, moist (FILL)
4					
5	2-Feb	0.0			Loose, dark gray medium to fine silty SAND with fragments of brick and asphalt, no odor, moist (FILL)
6					
7	2/2'	0.0			Dense, olive green medium to fine silty SAND with clay, dark stain 7-8', petroleum like odor, moist
8					
9	2/2'	0.0			Loose, light gray to orange brown medium SAND with fragments of gravel, no odor, moist
10					
11	1.6/2'	0.0			Loose, light gray to orange brown medium SAND with fragments of gravel, no odor, moist
12					
13	1.6/2'	0.0			Loose, light gray to orange brown medium SAND with fragments of gravel, no odor, moist
14					End of exploration at 14'
16					
18					
20					

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
Date					

Sample ID

- **O** Open End Rod
- **T** Thin Wall Tube
- **U** Undisturbed Sample
- **S** Split Spoon Sample
- **G** Geoprobe

Summary

Overburden (Linear ft.)	14
Rock Cored (Linear ft.)	-
Number of Samples	1

BORING NO. B-1

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE BORING REPORT

BORING NO. B-2

Page 1 of 1

PROJECT	374 Wallabout Street - Limited Phase II ESI	**PROJECT NO.**	0205892
LOCATION	374 Wallabout Street, Brooklyn, NY	**PROJECT MGR.**	E. Scheuerman
CLIENT	Joe Fried	**FIELD REP.**	Y. Lin
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	6/28/2022
DRILLER	T. Kelly, M. Kolasinski	**DATE FINISHED**	6/28/2022

Elevation ft. **Datum** **Boring Location** See Plan

Item	Casing	Sampler	Core Barrel
Type	Steel		
Inside Diameter (in.)	1-in		
Hammer Weight (lb.)	Macrocore		
Hammer Fall (in.)	NA		

Rig Make & Model

- ☐ Truck ☐ Tripod ☐ Cat-Head
- ☐ ATV ☑ Geoprobe ☐ Winch
- ☑ Track ☐ Air Track ☐ Roller Bit
- ☐ Skid ☑ Other ☐ Cutting Head

Hammer Type

- ☐ Safety
- ☐ Doughnut
- ☑ Automatic

Drilling Mud

- ☑ Bentonite
- ☐ Polymer
- ☐ None

Casing Advance — Type Method Depth: Direct push

Drilling Notes:

Depth (ft.)	Recovery (ft / total)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)
0					
1	2/2'	0.0			**Loose, dark gray medium to fine silty SAND, trace fragments of brick, asphalt and plastic, no odor, dry (FILL)**
2					
3	1/2'	0.0	B-2(1-3')	1-3'	**Loose, dark gray medium to fine silty SAND, trace fragments of brick, asphalt and plastic, no odor, dry (FILL)**
4					
5	1.8/2'	0.0			**Loose, dark gray medium to fine silty SAND, trace fragments of brick, asphalt and plastic, no odor, dry (FILL)**
6					
7	2/2'	0.1	B-2(6-8')	6-8'	**Dense, dark gray to orange brown medium silty SAND, dark stain 7-8', petroleum like odor, moist (FILL)**
8					
9	1.6/2'	0.0			**Loose, light brownish-grey medium SAND, no odor, moist**
10					
11	1.8/2'	0.0			**Loose, orange brown medium size SAND, no odor, moist**
12					
13	1.8/2'	0.0			**Loose, orange brown medium size SAND, no odor, moist**
14					**End of exploration at 14'**
16					
18					
20					

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
Date					

Sample ID

- **O** Open End Rod
- **T** Thin Wall Tube
- **U** Undisturbed Sample
- **S** Split Spoon Sample
- **G** Geoprobe

Summary

Overburden (Linear ft.)	14
Rock Cored (Linear ft.)	-
Number of Samples	2

BORING NO. B-2

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE BORING REPORT

BORING NO. B-3

Page 1 of 1

PROJECT	374 Wallabout Street - Limited Phase II ESI	**PROJECT NO.**	0205892
LOCATION	374 Wallabout Street, Brooklyn, NY	**PROJECT MGR.**	E. Scheuerman
CLIENT	Joe Fried	**FIELD REP.**	Y. Lin
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	6/28/2022
DRILLER	T. Kelly, M. Kolasinski	**DATE FINISHED**	6/28/2022

Elevation ft. **Datum** **Boring Location** See Plan

Item	Casing	Sampler	Core Barrel
Type	Steel		
Inside Diameter (in.)	1-in		
Hammer Weight (lb.)	Macrocore		
Hammer Fall (in.)	NA		

Rig Make & Model

☐ Truck	☐ Tripod	☐ Cat-Head	
☐ ATV	☑ Geoprobe	☐ Winch	
☑ Track	☐ Air Track	☐ Roller Bit	
☐ Skid	☑ Other	☐ Cutting Head	

Hammer Type	Drilling Mud	Casing Advance
☐ Safety	☑ Bentonite	Type Method Depth
☐ Doughnut	☐ Polymer	Direct push
☑ Automatic	☐ None	

Drilling Notes:

Depth (ft.)	Recovery (ft / total)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)
0					
					Loose, brown silty SAND with fragments of brick (MPS=2"), asphalt and glass, no odor, dry (FILL)
1	1.8/2'	0.0	B-3(1-3')	1-3'	
2					
					Loose, brown silty SAND with fragments of brick (MPS=2"), asphalt and glass, no odor, dry (FILL)
3	1.6/2'	0.0			
4					
					Loose, brown silty SAND with fragments of brick (MPS=2"), asphalt and glass, no odor, dry (FILL)
5	1.6/2'	0.0			
6					
					Dense, olive green to dark brown silty SAND with clay, fragments of gravel, no odor, dry
7	2/2'	0.1			
8					
					Loose, orange brown, medium size silty SAND with small pieces of gravel, no odor, moist
9	1.5/2'	0.0			
10					
					Loose, orange brown, medium size silty SAND with small pieces of gravel, no odor, moist
11	2/2'	0.0			
12					
					End of exploration at 12'
14					
16					
18					
20					

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
Date					

Sample ID

O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Summary

Overburden (Linear ft.)	12
Rock Cored (Linear ft.)	-
Number of Samples	1

BORING NO. B-3

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

GEOPROBE BORING REPORT

BORING NO. B-4

Page 1 of 1

PROJECT	374 Wallabout Street - Limited Phase II ESI	**PROJECT NO.**	0205892
LOCATION	374 Wallabout Street, Brooklyn, NY	**PROJECT MGR.**	E. Scheuerman
CLIENT	Joe Fried	**FIELD REP.**	Y. Lin
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	6/28/2022
DRILLER	T. Kelly, M. Kolasinski	**DATE FINISHED**	6/28/2022

Elevation ft. **Datum** **Boring Location** See Plan

Item	Casing	Sampler	Core Barrel
Type	Steel		
Inside Diameter (in.)	1-in		
Hammer Weight (lb.)	Macrocore		
Hammer Fall (in.)	NA		

Rig Make & Model Jack Hammer

- ☐ Truck ☐ Tripod ☐ Cat-Head
- ☐ ATV ☑ Geoprobe ☐ Winch
- ☑ Track ☐ Air Track ☐ Roller Bit
- ☐ Skid ☑ Other ☐ Cutting Head

Hammer Type

- ☐ Safety
- ☐ Doughnut
- ☑ Automatic

Drilling Mud

- ☑ Bentonite
- ☐ Polymer
- ☐ None

Casing Advance — Type Method Depth: Direct push

Drilling Notes:

Depth (ft.)	Recovery (ft / total)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)
0					
					Loose, light gray silty SAND with fragments of asphalt and glass, no odor, dry (FILL)
1	2/2'	0.0	B-4(0-2')	0-2'	
2					**Loose, light gray silty SAND with fragments of asphalt and glass, no odor, dry (FILL)**
3	1.7/2'	0.0			
4					**Dense, light brown silty SAND with fragments of gravel, dark stain at 5-6', petroleum like odor, dry (FILL)**
5	1.8/2'	0.0	B-4(4-6')	4-6'	
6					**Dense, light brown silty SAND with fragments of gravel, dark stain, petroleum like odor, dry (FILL)**
7	2/2'	0.1			
8					**Dense, olive gray silty fine SAND with clay, no odor, dry**
9	2/2'	0.0			
10					**Dense, olive gray silty fine SAND with clay, no odor, dry**
11	2/2'	0.0			
12					**Loose, orange brown to gray medium SAND with small pieces of gravel, no odor, moist**
13					
14					**End of exploration at 14'**
16					
18					
20					

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
Date					

Sample ID

- **O** Open End Rod
- **T** Thin Wall Tube
- **U** Undisturbed Sample
- **S** Split Spoon Sample
- **G** Geoprobe

Summary

Overburden (Linear ft.)	14
Rock Cored (Linear ft.)	-
Number of Samples	2

BORING NO. B-4

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

ATTACHMENT B

TEMPORARY MONITORING WELL PURGE LOGS

HALEY ALDRICH

374 Wallabout Street, Brooklyn, NY
Well Purge Logs

Well ID:	TW-1	**Date:**	6/28/2022
Well Depth (ft):	16	**Pump:**	Peristaltic
Static Water Level (ft):	11.15	**Personnel:**	Y. Lin
Water Column Height (ft):	4.85	**Well Volume (gal):**	0.199
Well Diameter (inch):	1	**Total Purged (gal):**	2.11

Time	Time Elapsed (min)	Flow Rate (mL/min)	Cumulative Purge Volume (gal)	Purge Water Color	Comments
13:55	0	400	0.00	Light brown	
14:00	5	400	0.53	Light brown	
14:05	10	400	1.06	Clear	
14:10	15	400	1.59	Clear	
14:15	20	400	2.11	Clear	

374 Wallabout Street, Brooklyn, NY
Well Purge Logs

Well ID:	TW-2	**Date:**	6/28/2022
Well Depth (ft):	16	**Pump:**	Peristaltic
Static Water Level (ft):	12.10	**Personnel:**	Y. Lin
Water Column Height (ft):	3.9	**Well Volume (gal):**	0.160
Well Diameter (inch):	1	**Total Purged (gal):**	2.64

Time	Time Elapsed (min)	Flow Rate (mL/min)	Cumulative Purge Volume (gal)	Purge Water Color	Comments
12:35	0	400	0.00	Light brown	
12:40	5	400	0.53	Light brown	
12:45	10	400	1.06	Light brown	
12:50	15	400	1.59	Clear	
12:55	20	400	2.11	Clear	
13:00	25	400	2.64	Clear	

ATTACHMENT C

LABORATORY REPORTS

ANALYTICAL REPORT

Lab Number:	L2234319
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Elizabeth Scheuerman
Phone:	(646) 277-5692
Project Name:	374 WALLABOUT
Project Number:	0205892
Report Date:	07/08/22

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 374 WALLABOUT
Project Number: 0205892

Lab Number: L2234319
Report Date: 07/08/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2234319-01	B-2 (6-8')	SOIL	374 WALLABOUT STREET, BROOKLYN, NY	06/28/22 11:20	06/28/22
L2234319-02	B-2 (1-3')	SOIL	374 WALLABOUT STREET, BROOKLYN, NY	06/28/22 11:22	06/28/22
L2234319-03	B-4 (0-2')	SOIL	374 WALLABOUT STREET, BROOKLYN, NY	06/28/22 12:10	06/28/22
L2234319-04	B-4 (4-6')	SOIL	374 WALLABOUT STREET, BROOKLYN, NY	06/28/22 12:20	06/28/22
L2234319-05	B-1 (0-2')	SOIL	374 WALLABOUT STREET, BROOKLYN, NY	06/28/22 13:35	06/28/22
L2234319-06	B-3 (1-3')	SOIL	374 WALLABOUT STREET, BROOKLYN, NY	06/28/22 14:40	06/28/22
L2234319-07	TW-1	WATER	374 WALLABOUT STREET, BROOKLYN, NY	06/28/22 14:15	06/28/22
L2234319-08	TW-2	WATER	374 WALLABOUT STREET, BROOKLYN, NY	06/28/22 13:00	06/28/22
L2234319-09	TB-20220628	WATER	374 WALLABOUT STREET, BROOKLYN, NY	06/28/22 00:00	06/28/22

Project Name:	374 WALLABOUT	**Lab Number:**	L2234319
Project Number:	0205892	**Report Date:**	07/08/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	374 WALLABOUT	**Lab Number:**	L2234319
Project Number:	0205892	**Report Date:**	07/08/22

Case Narrative (continued)

Report Submission

July 08, 2022: This final report includes the results of all requested analyses.

July 05, 2022: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L2234319-03D and -05D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

L2234319-01 through -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 07/08/22

ORGANICS

VOLATILES

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-01 Date Collected: 06/28/22 11:20

Client ID: B-2 (6-8') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 07/03/22 08:26

Analyst: AJK

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-01 Date Collected: 06/28/22 11:20

Client ID: B-2 (6-8') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	2.6		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	2.6		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	39		ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	11		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.12	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-01 Date Collected: 06/28/22 11:20

Client ID: B-2 (6-8') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-02 Date Collected: 06/28/22 11:22

Client ID: B-2 (1-3') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 07/03/22 09:04

Analyst: AJK

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.9	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.1	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.37	1
Tetrachloroethene	ND		ug/kg	0.69	0.27	1
Chlorobenzene	ND		ug/kg	0.69	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.96	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.69	0.23	1
Bromodichloromethane	ND		ug/kg	0.69	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	0.69	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.69	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.69	0.22	1
Bromoform	ND		ug/kg	5.5	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.69	0.23	1
Benzene	ND		ug/kg	0.69	0.23	1
Toluene	ND		ug/kg	1.4	0.75	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.5	1.3	1
Bromomethane	ND		ug/kg	2.8	0.80	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.8	0.62	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-02 Date Collected: 06/28/22 11:22

Client ID: B-2 (1-3') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.69	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.77	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.8	0.33	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	6.6	1
Carbon disulfide	ND		ug/kg	14	6.3	1
2-Butanone	ND		ug/kg	14	3.1	1
Vinyl acetate	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.8	0.18	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.8	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.8	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.8	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.69	0.18	1
Bromobenzene	ND		ug/kg	2.8	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.8	0.16	1
o-Chlorotoluene	ND		ug/kg	2.8	0.26	1
p-Chlorotoluene	ND		ug/kg	2.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.5	0.90	1
Acrylonitrile	ND		ug/kg	5.5	1.6	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-02 Date Collected: 06/28/22 11:22

Client ID: B-2 (1-3') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	0.46	1
1,4-Dioxane	ND		ug/kg	110	48.	1
p-Diethylbenzene	ND		ug/kg	2.8	0.24	1
p-Ethyltoluene	ND		ug/kg	2.8	0.53	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.8	0.26	1
Ethyl ether	ND		ug/kg	2.8	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.9	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-03 Date Collected: 06/28/22 12:10
Client ID: B-4 (0-2') Date Received: 06/28/22
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/03/22 09:42
Analyst: AJK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.21	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-03 Date Collected: 06/28/22 12:10

Client ID: B-4 (0-2') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.2	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-03 Date Collected: 06/28/22 12:10

Client ID: B-4 (0-2') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	88	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	98		70-130

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-04
Client ID: B-4 (4-6')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY
Date Collected: 06/28/22 12:20
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/03/22 10:21
Analyst: AJK
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.3	3.4	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.21	1
Chloroform	ND		ug/kg	2.2	0.20	1
Carbon tetrachloride	ND		ug/kg	1.5	0.34	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.18	1
Dibromochloromethane	ND		ug/kg	1.5	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39	1
Tetrachloroethene	ND		ug/kg	0.73	0.29	1
Chlorobenzene	ND		ug/kg	0.73	0.19	1
Trichlorofluoromethane	ND		ug/kg	5.9	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/kg	0.73	0.24	1
Bromodichloromethane	ND		ug/kg	0.73	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.40	1
cis-1,3-Dichloropropene	ND		ug/kg	0.73	0.23	1
1,3-Dichloropropene, Total	ND		ug/kg	0.73	0.23	1
1,1-Dichloropropene	ND		ug/kg	0.73	0.23	1
Bromoform	ND		ug/kg	5.9	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.73	0.24	1
Benzene	ND		ug/kg	0.73	0.24	1
Toluene	ND		ug/kg	1.5	0.80	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	5.9	1.4	1
Bromomethane	ND		ug/kg	2.9	0.85	1
Vinyl chloride	ND		ug/kg	1.5	0.49	1
Chloroethane	ND		ug/kg	2.9	0.66	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-04 Date Collected: 06/28/22 12:20

Client ID: B-4 (4-6') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.73	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	0.25	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.29	1
p/m-Xylene	ND		ug/kg	2.9	0.82	1
o-Xylene	ND		ug/kg	1.5	0.43	1
Xylenes, Total	ND		ug/kg	1.5	0.43	1
cis-1,2-Dichloroethene	2.0		ug/kg	1.5	0.26	1
1,2-Dichloroethene, Total	2.0		ug/kg	1.5	0.20	1
Dibromomethane	ND		ug/kg	2.9	0.35	1
Styrene	ND		ug/kg	1.5	0.29	1
Dichlorodifluoromethane	ND		ug/kg	15	1.3	1
Acetone	63		ug/kg	15	7.0	1
Carbon disulfide	ND		ug/kg	15	6.7	1
2-Butanone	14	J	ug/kg	15	3.2	1
Vinyl acetate	ND		ug/kg	15	3.2	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	2.9	0.19	1
2-Hexanone	ND		ug/kg	15	1.7	1
Bromochloromethane	ND		ug/kg	2.9	0.30	1
2,2-Dichloropropane	ND		ug/kg	2.9	0.30	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.41	1
1,3-Dichloropropane	ND		ug/kg	2.9	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.73	0.19	1
Bromobenzene	ND		ug/kg	2.9	0.21	1
n-Butylbenzene	ND		ug/kg	1.5	0.24	1
sec-Butylbenzene	ND		ug/kg	1.5	0.21	1
tert-Butylbenzene	ND		ug/kg	2.9	0.17	1
o-Chlorotoluene	ND		ug/kg	2.9	0.28	1
p-Chlorotoluene	ND		ug/kg	2.9	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	1.5	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.25	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.16	1
Naphthalene	ND		ug/kg	5.9	0.95	1
Acrylonitrile	ND		ug/kg	5.9	1.7	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-04 Date Collected: 06/28/22 12:20

Client ID: B-4 (4-6') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.25	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.40	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	0.28	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	0.49	1
1,4-Dioxane	ND		ug/kg	120	51.	1
p-Diethylbenzene	ND		ug/kg	2.9	0.26	1
p-Ethyltoluene	ND		ug/kg	2.9	0.56	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.9	0.28	1
Ethyl ether	ND		ug/kg	2.9	0.50	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.3	2.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-05
Client ID: B-1 (0-2')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY
Date Collected: 06/28/22 13:35
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/05/22 11:10
Analyst: AJK
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	9.0	4.1	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.26	1
Chloroform	ND		ug/kg	2.7	0.25	1
Carbon tetrachloride	ND		ug/kg	1.8	0.41	1
1,2-Dichloropropane	ND		ug/kg	1.8	0.22	1
Dibromochloromethane	ND		ug/kg	1.8	0.25	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.48	1
Tetrachloroethene	ND		ug/kg	0.90	0.35	1
Chlorobenzene	ND		ug/kg	0.90	0.23	1
Trichlorofluoromethane	ND		ug/kg	7.2	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.46	1
1,1,1-Trichloroethane	ND		ug/kg	0.90	0.30	1
Bromodichloromethane	ND		ug/kg	0.90	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.49	1
cis-1,3-Dichloropropene	ND		ug/kg	0.90	0.28	1
1,3-Dichloropropene, Total	ND		ug/kg	0.90	0.28	1
1,1-Dichloropropene	ND		ug/kg	0.90	0.28	1
Bromoform	ND		ug/kg	7.2	0.44	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.90	0.30	1
Benzene	ND		ug/kg	0.90	0.30	1
Toluene	ND		ug/kg	1.8	0.98	1
Ethylbenzene	ND		ug/kg	1.8	0.25	1
Chloromethane	ND		ug/kg	7.2	1.7	1
Bromomethane	ND		ug/kg	3.6	1.0	1
Vinyl chloride	ND		ug/kg	1.8	0.60	1
Chloroethane	ND		ug/kg	3.6	0.81	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.43	1
trans-1,2-Dichloroethene	ND		ug/kg	2.7	0.25	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-05 Date Collected: 06/28/22 13:35

Client ID: B-1 (0-2') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.90	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	3.6	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	3.6	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	3.6	0.31	1
Methyl tert butyl ether	ND		ug/kg	3.6	0.36	1
p/m-Xylene	ND		ug/kg	3.6	1.0	1
o-Xylene	ND		ug/kg	1.8	0.52	1
Xylenes, Total	ND		ug/kg	1.8	0.52	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.31	1
1,2-Dichloroethene, Total	ND		ug/kg	1.8	0.25	1
Dibromomethane	ND		ug/kg	3.6	0.43	1
Styrene	ND		ug/kg	1.8	0.35	1
Dichlorodifluoromethane	ND		ug/kg	18	1.6	1
Acetone	15	J	ug/kg	18	8.6	1
Carbon disulfide	ND		ug/kg	18	8.2	1
2-Butanone	ND		ug/kg	18	4.0	1
Vinyl acetate	ND		ug/kg	18	3.9	1
4-Methyl-2-pentanone	ND		ug/kg	18	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	3.6	0.23	1
2-Hexanone	ND		ug/kg	18	2.1	1
Bromochloromethane	ND		ug/kg	3.6	0.37	1
2,2-Dichloropropane	ND		ug/kg	3.6	0.36	1
1,2-Dibromoethane	ND		ug/kg	1.8	0.50	1
1,3-Dichloropropane	ND		ug/kg	3.6	0.30	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.90	0.24	1
Bromobenzene	ND		ug/kg	3.6	0.26	1
n-Butylbenzene	ND		ug/kg	1.8	0.30	1
sec-Butylbenzene	ND		ug/kg	1.8	0.26	1
tert-Butylbenzene	ND		ug/kg	3.6	0.21	1
o-Chlorotoluene	ND		ug/kg	3.6	0.34	1
p-Chlorotoluene	ND		ug/kg	3.6	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	1.8	1
Hexachlorobutadiene	ND		ug/kg	7.2	0.30	1
Isopropylbenzene	ND		ug/kg	1.8	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.20	1
Naphthalene	ND		ug/kg	7.2	1.2	1
Acrylonitrile	ND		ug/kg	7.2	2.1	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-05 Date Collected: 06/28/22 13:35

Client ID: B-1 (0-2') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.8	0.31	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.6	0.58	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.6	0.49	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.6	0.35	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.6	0.60	1
1,4-Dioxane	ND		ug/kg	140	63.	1
p-Diethylbenzene	ND		ug/kg	3.6	0.32	1
p-Ethyltoluene	ND		ug/kg	3.6	0.69	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.6	0.34	1
Ethyl ether	ND		ug/kg	3.6	0.61	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.0	2.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	102		70-130

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-06 Date Collected: 06/28/22 14:40

Client ID: B-3 (1-3') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 07/03/22 11:37

Analyst: AJK

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.92	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.66	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.3	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	ND		ug/kg	0.66	0.22	1
Toluene	ND		ug/kg	1.3	0.72	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.6	0.76	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-06 Date Collected: 06/28/22 14:40

Client ID: B-3 (1-3') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.74	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.31	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.3	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.16	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.3	0.86	1
Acrylonitrile	ND		ug/kg	5.3	1.5	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-06 Date Collected: 06/28/22 14:40

Client ID: B-3 (1-3') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1
1,4-Dioxane	ND		ug/kg	100	46.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.50	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: 374 WALLABOUT
Lab Number: L2234319
Project Number: 0205892
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-07
Client ID: TW-1
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY
Date Collected: 06/28/22 14:15
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/02/22 12:15
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Benzene	0.21	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	9.8		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.20	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	14		ug/l	2.5	0.70	1
Acetone	ND		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-07 Date Collected: 06/28/22 14:15

Client ID: TW-1 Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	104		70-130

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-08 Date Collected: 06/28/22 13:00
Client ID: TW-2 Date Received: 06/28/22
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/02/22 12:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Acetone	ND		ug/l	5.0	1.5	1
2-Butanone	ND		ug/l	5.0	1.9	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-08 Date Collected: 06/28/22 13:00

Client ID: TW-2 Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	106		70-130

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-09 Date Collected: 06/28/22 00:00
Client ID: TB-20220628 Date Received: 06/28/22
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/02/22 13:02
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-09 Date Collected: 06/28/22 00:00

Client ID: TB-20220628 Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-09 Date Collected: 06/28/22 00:00

Client ID: TB-20220628 Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	106		70-130

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/02/22 11:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-09 Batch: WG1658527-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/02/22 11:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-09 Batch: WG1658527-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/02/22 11:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-09 Batch: WG1658527-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	103		70-130

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/03/22 07:47
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04,06 Batch: WG1658838-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	1.2	J	ug/kg	4.0	0.93
Bromomethane	1.9	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/03/22 07:47
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04,06 Batch: WG1658838-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/03/22 07:47
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04,06 Batch: WG1658838-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/05/22 10:42
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05 Batch: WG1658966-5					
Methylene chloride	2.5	J	ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	1.5	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/05/22 10:42
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05 Batch: WG1658966-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/05/22 10:42
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05 Batch: WG1658966-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234319

Report Date: 07/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG1658527-3 WG1658527-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	99		97		70-130	2		20
Dibromochloromethane	94		96		63-130	2		20
1,1,2-Trichloroethane	99		100		70-130	1		20
Tetrachloroethene	99		98		70-130	1		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	69		68		62-150	1		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	100		110		70-130	10		20
Bromoform	85		88		54-136	3		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	99		100		70-130	1		20
Toluene	100		100		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	100		98		64-130	2		20
Bromomethane	43		44		39-139	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234319

Report Date: 07/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG1658527-3 WG1658527-4								
Vinyl chloride	92		93		55-140	1		20
Chloroethane	61		60		55-138	2		20
1,1-Dichloroethene	110		120		61-145	9		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	92		90		70-130	2		20
1,2-Dichlorobenzene	99		100		70-130	1		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	98		100		70-130	2		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	94		95		70-130	1		20
1,2,3-Trichloropropane	98		100		64-130	2		20
Acrylonitrile	81		87		70-130	7		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	81		78		36-147	4		20
Acetone	88		100		58-148	13		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	90		95		63-138	5		20
Vinyl acetate	**150**	Q	**160**	Q	70-130	6		20
4-Methyl-2-pentanone	83		87		59-130	5		20
2-Hexanone	88		92		57-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234319

Report Date: 07/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG1658527-3 WG1658527-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	130		130		63-133	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	100		110		70-130	10		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	99		100		70-130	1		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	100		110		70-130	10		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	88		86		41-144	2		20
Hexachlorobutadiene	100		99		63-130	1		20
Isopropylbenzene	100		110		70-130	10		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	91		94		70-130	3		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	93		92		70-130	1		20
1,2,4-Trichlorobenzene	98		94		70-130	4		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		110		70-130	10		20
1,4-Dioxane	104		108		56-162	4		20
p-Diethylbenzene	98		100		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234319

Report Date: 07/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG1658527-3 WG1658527-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		20
Ethyl ether	69		72		59-134	4		20
trans-1,4-Dichloro-2-butene	100		88		70-130	13		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		107		70-130
Toluene-d8	105		106		70-130
4-Bromofluorobenzene	107		110		70-130
Dibromofluoromethane	100		101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234319

Report Date: 07/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06 Batch: WG1658838-3 WG1658838-4								
Methylene chloride	80		80		70-130	0		30
1,1-Dichloroethane	85		85		70-130	0		30
Chloroform	85		86		70-130	1		30
Carbon tetrachloride	77		76		70-130	1		30
1,2-Dichloropropane	88		88		70-130	0		30
Dibromochloromethane	88		90		70-130	2		30
1,1,2-Trichloroethane	89		91		70-130	2		30
Tetrachloroethene	86		85		70-130	1		30
Chlorobenzene	85		85		70-130	0		30
Trichlorofluoromethane	87		87		70-139	0		30
1,2-Dichloroethane	87		89		70-130	2		30
1,1,1-Trichloroethane	84		83		70-130	1		30
Bromodichloromethane	86		87		70-130	1		30
trans-1,3-Dichloropropene	90		91		70-130	1		30
cis-1,3-Dichloropropene	87		88		70-130	1		30
1,1-Dichloropropene	86		86		70-130	0		30
Bromoform	85		86		70-130	1		30
1,1,2,2-Tetrachloroethane	85		84		70-130	1		30
Benzene	84		85		70-130	1		30
Toluene	87		87		70-130	0		30
Ethylbenzene	90		90		70-130	0		30
Chloromethane	74		72		52-130	3		30
Bromomethane	128		125		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234319

Report Date: 07/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06 Batch: WG1658838-3 WG1658838-4								
Vinyl chloride	88		87		67-130	1		30
Chloroethane	84		84		50-151	0		30
1,1-Dichloroethene	84		84		65-135	0		30
trans-1,2-Dichloroethene	84		84		70-130	0		30
Trichloroethene	87		89		70-130	2		30
1,2-Dichlorobenzene	88		88		70-130	0		30
1,3-Dichlorobenzene	88		87		70-130	1		30
1,4-Dichlorobenzene	88		87		70-130	1		30
Methyl tert butyl ether	88		90		66-130	2		30
p/m-Xylene	89		89		70-130	0		30
o-Xylene	89		89		70-130	0		30
cis-1,2-Dichloroethene	84		84		70-130	0		30
Dibromomethane	86		88		70-130	2		30
Styrene	96		95		70-130	1		30
Dichlorodifluoromethane	83		83		30-146	0		30
Acetone	74		83		54-140	11		30
Carbon disulfide	79		79		59-130	0		30
2-Butanone	87		91		70-130	4		30
Vinyl acetate	76		**67**	Q	70-130	13		30
4-Methyl-2-pentanone	90		97		70-130	7		30
1,2,3-Trichloropropane	88		90		68-130	2		30
2-Hexanone	90		95		70-130	5		30
Bromochloromethane	85		86		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234319

Report Date: 07/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06 Batch: WG1658838-3 WG1658838-4								
2,2-Dichloropropane	86		86		70-130	0		30
1,2-Dibromoethane	88		91		70-130	3		30
1,3-Dichloropropane	90		91		69-130	1		30
1,1,1,2-Tetrachloroethane	87		87		70-130	0		30
Bromobenzene	86		85		70-130	1		30
n-Butylbenzene	91		90		70-130	1		30
sec-Butylbenzene	93		90		70-130	3		30
tert-Butylbenzene	90		88		70-130	2		30
o-Chlorotoluene	90		88		70-130	2		30
p-Chlorotoluene	92		89		70-130	3		30
1,2-Dibromo-3-chloropropane	84		90		68-130	7		30
Hexachlorobutadiene	87		87		67-130	0		30
Isopropylbenzene	89		86		70-130	3		30
p-Isopropyltoluene	91		89		70-130	2		30
Naphthalene	91		95		70-130	4		30
Acrylonitrile	91		94		70-130	3		30
n-Propylbenzene	92		89		70-130	3		30
1,2,3-Trichlorobenzene	93		96		70-130	3		30
1,2,4-Trichlorobenzene	91		91		70-130	0		30
1,3,5-Trimethylbenzene	91		89		70-130	2		30
1,2,4-Trimethylbenzene	92		90		70-130	2		30
1,4-Dioxane	92		99		65-136	7		30
p-Diethylbenzene	91		90		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234319

Report Date: 07/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06 Batch: WG1658838-3 WG1658838-4								
p-Ethyltoluene	92		89		70-130	3		30
1,2,4,5-Tetramethylbenzene	92		92		70-130	0		30
Ethyl ether	87		90		67-130	3		30
trans-1,4-Dichloro-2-butene	92		93		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		98		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234319

Report Date: 07/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1658966-3 WG1658966-4								
Methylene chloride	111		112		70-130	1		30
1,1-Dichloroethane	108		109		70-130	1		30
Chloroform	95		97		70-130	2		30
Carbon tetrachloride	97		102		70-130	5		30
1,2-Dichloropropane	109		108		70-130	1		30
Dibromochloromethane	104		104		70-130	0		30
1,1,2-Trichloroethane	106		106		70-130	0		30
Tetrachloroethene	91		92		70-130	1		30
Chlorobenzene	94		93		70-130	1		30
Trichlorofluoromethane	78		81		70-139	4		30
1,2-Dichloroethane	99		100		70-130	1		30
1,1,1-Trichloroethane	97		98		70-130	1		30
Bromodichloromethane	101		102		70-130	1		30
trans-1,3-Dichloropropene	117		116		70-130	1		30
cis-1,3-Dichloropropene	112		112		70-130	0		30
1,1-Dichloropropene	102		105		70-130	3		30
Bromoform	100		102		70-130	2		30
1,1,2,2-Tetrachloroethane	88		87		70-130	1		30
Benzene	102		103		70-130	1		30
Toluene	98		99		70-130	1		30
Ethylbenzene	97		98		70-130	1		30
Chloromethane	104		101		52-130	3		30
Bromomethane	97		94		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234319

Report Date: 07/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1658966-3 WG1658966-4								
Vinyl chloride	87		89		67-130	2		30
Chloroethane	79		80		50-151	1		30
1,1-Dichloroethene	87		89		65-135	2		30
trans-1,2-Dichloroethene	97		98		70-130	1		30
Trichloroethene	110		114		70-130	4		30
1,2-Dichlorobenzene	92		92		70-130	0		30
1,3-Dichlorobenzene	93		94		70-130	1		30
1,4-Dichlorobenzene	92		93		70-130	1		30
Methyl tert butyl ether	107		108		66-130	1		30
p/m-Xylene	97		97		70-130	0		30
o-Xylene	98		98		70-130	0		30
cis-1,2-Dichloroethene	96		96		70-130	0		30
Dibromomethane	96		94		70-130	2		30
Styrene	100		99		70-130	1		30
Dichlorodifluoromethane	64		67		30-146	5		30
Acetone	122		128		54-140	5		30
Carbon disulfide	86		87		59-130	1		30
2-Butanone	**131**	Q	**140**	Q	70-130	7		30
Vinyl acetate	77		72		70-130	7		30
4-Methyl-2-pentanone	118		121		70-130	3		30
1,2,3-Trichloropropane	107		109		68-130	2		30
2-Hexanone	126		129		70-130	2		30
Bromochloromethane	94		94		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234319

Report Date: 07/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1658966-3 WG1658966-4								
2,2-Dichloropropane	105		106		70-130	1		30
1,2-Dibromoethane	101		101		70-130	0		30
1,3-Dichloropropane	106		105		69-130	1		30
1,1,1,2-Tetrachloroethane	90		89		70-130	1		30
Bromobenzene	91		91		70-130	0		30
n-Butylbenzene	101		102		70-130	1		30
sec-Butylbenzene	97		100		70-130	3		30
tert-Butylbenzene	94		96		70-130	2		30
o-Chlorotoluene	99		100		70-130	1		30
p-Chlorotoluene	98		99		70-130	1		30
1,2-Dibromo-3-chloropropane	98		99		68-130	1		30
Hexachlorobutadiene	85		87		67-130	2		30
Isopropylbenzene	96		99		70-130	3		30
p-Isopropyltoluene	96		98		70-130	2		30
Naphthalene	95		96		70-130	1		30
Acrylonitrile	126		128		70-130	2		30
n-Propylbenzene	99		102		70-130	3		30
1,2,3-Trichlorobenzene	90		90		70-130	0		30
1,2,4-Trichlorobenzene	91		89		70-130	2		30
1,3,5-Trimethylbenzene	95		97		70-130	2		30
1,2,4-Trimethylbenzene	96		97		70-130	1		30
1,4-Dioxane	100		105		65-136	5		30
p-Diethylbenzene	95		96		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234319

Report Date: 07/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05 Batch: WG1658966-3 WG1658966-4								
p-Ethyltoluene	97		98		70-130	1		30
1,2,4,5-Tetramethylbenzene	94		94		70-130	0		30
Ethyl ether	91		91		67-130	0		30
trans-1,4-Dichloro-2-butene	118		122		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	104		106		70-130
Dibromofluoromethane	95		95		70-130

SEMIVOLATILES

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-01
Client ID: B-2 (6-8')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY
Date Collected: 06/28/22 11:20
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/29/22 22:31
Analyst: WR
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 06/29/22 08:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-01 Date Collected: 06/28/22 11:20

Client ID: B-2 (6-8') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	39	J	ug/kg	290	31.	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-01 Date Collected: 06/28/22 11:20

Client ID: B-2 (6-8') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	106		10-136
4-Terphenyl-d14	66		18-120

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-02
Client ID: B-2 (1-3')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY
Date Collected: 06/28/22 11:22
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/30/22 07:28
Analyst: WR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 06/29/22 08:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	660		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	4800		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	380		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	240		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-02 Date Collected: 06/28/22 11:22

Client ID: B-2 (1-3') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	2600		ug/kg	120	22.	1
Benzo(a)pyrene	2200		ug/kg	150	47.	1
Benzo(b)fluoranthene	2600		ug/kg	120	32.	1
Benzo(k)fluoranthene	700		ug/kg	120	31.	1
Chrysene	2500		ug/kg	120	20.	1
Acenaphthylene	190		ug/kg	150	30.	1
Anthracene	1300		ug/kg	120	38.	1
Benzo(ghi)perylene	1000		ug/kg	150	23.	1
Fluorene	740		ug/kg	190	19.	1
Phenanthrene	6000		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	300		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	150	27.	1
Pyrene	4800		ug/kg	120	19.	1
Biphenyl	62	J	ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	360		ug/kg	190	18.	1
2-Methylnaphthalene	280		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	42	J	ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-02 Date Collected: 06/28/22 11:22

Client ID: B-2 (1-3') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	390		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		25-120
Phenol-d6	44		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	76		18-120

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-03 D
Client ID: B-4 (0-2')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY

Date Collected: 06/28/22 12:10
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/01/22 05:04
Analyst: CMM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/29/22 08:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	750	98.	5
1,2,4-Trichlorobenzene	ND		ug/kg	940	110	5
Hexachlorobenzene	ND		ug/kg	560	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	850	130	5
2-Chloronaphthalene	ND		ug/kg	940	94.	5
1,2-Dichlorobenzene	ND		ug/kg	940	170	5
1,3-Dichlorobenzene	ND		ug/kg	940	160	5
1,4-Dichlorobenzene	ND		ug/kg	940	160	5
3,3'-Dichlorobenzidine	ND		ug/kg	940	250	5
2,4-Dinitrotoluene	ND		ug/kg	940	190	5
2,6-Dinitrotoluene	ND		ug/kg	940	160	5
Fluoranthene	970		ug/kg	560	110	5
4-Chlorophenyl phenyl ether	ND		ug/kg	940	100	5
4-Bromophenyl phenyl ether	ND		ug/kg	940	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	160	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	94.	5
Hexachlorobutadiene	ND		ug/kg	940	140	5
Hexachlorocyclopentadiene	ND		ug/kg	2700	850	5
Hexachloroethane	ND		ug/kg	750	150	5
Isophorone	ND		ug/kg	850	120	5
Naphthalene	ND		ug/kg	940	110	5
Nitrobenzene	ND		ug/kg	850	140	5
NDPA/DPA	ND		ug/kg	750	110	5
n-Nitrosodi-n-propylamine	ND		ug/kg	940	140	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	940	330	5
Butyl benzyl phthalate	ND		ug/kg	940	240	5
Di-n-butylphthalate	ND		ug/kg	940	180	5
Di-n-octylphthalate	ND		ug/kg	940	320	5

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-03 D Date Collected: 06/28/22 12:10

Client ID: B-4 (0-2') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	940	87.	5
Dimethyl phthalate	ND		ug/kg	940	200	5
Benzo(a)anthracene	510	J	ug/kg	560	110	5
Benzo(a)pyrene	520	J	ug/kg	750	230	5
Benzo(b)fluoranthene	630		ug/kg	560	160	5
Benzo(k)fluoranthene	210	J	ug/kg	560	150	5
Chrysene	490	J	ug/kg	560	98.	5
Acenaphthylene	ND		ug/kg	750	140	5
Anthracene	ND		ug/kg	560	180	5
Benzo(ghi)perylene	300	J	ug/kg	750	110	5
Fluorene	ND		ug/kg	940	92.	5
Phenanthrene	480	J	ug/kg	560	110	5
Dibenzo(a,h)anthracene	ND		ug/kg	560	110	5
Indeno(1,2,3-cd)pyrene	360	J	ug/kg	750	130	5
Pyrene	850		ug/kg	560	94.	5
Biphenyl	ND		ug/kg	2100	120	5
4-Chloroaniline	ND		ug/kg	940	170	5
2-Nitroaniline	ND		ug/kg	940	180	5
3-Nitroaniline	ND		ug/kg	940	180	5
4-Nitroaniline	ND		ug/kg	940	390	5
Dibenzofuran	ND		ug/kg	940	89.	5
2-Methylnaphthalene	ND		ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	940	98.	5
Acetophenone	ND		ug/kg	940	120	5
2,4,6-Trichlorophenol	ND		ug/kg	560	180	5
p-Chloro-m-cresol	ND		ug/kg	940	140	5
2-Chlorophenol	ND		ug/kg	940	110	5
2,4-Dichlorophenol	ND		ug/kg	850	150	5
2,4-Dimethylphenol	ND		ug/kg	940	310	5
2-Nitrophenol	ND		ug/kg	2000	350	5
4-Nitrophenol	ND		ug/kg	1300	380	5
2,4-Dinitrophenol	ND		ug/kg	4500	440	5
4,6-Dinitro-o-cresol	ND		ug/kg	2400	450	5
Pentachlorophenol	ND		ug/kg	750	210	5
Phenol	ND		ug/kg	940	140	5
2-Methylphenol	ND		ug/kg	940	150	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	150	5

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-03 D Date Collected: 06/28/22 12:10

Client ID: B-4 (0-2') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	940	180	5
Benzoic Acid	ND		ug/kg	3000	950	5
Benzyl Alcohol	ND		ug/kg	940	290	5
Carbazole	ND		ug/kg	940	92.	5
1,4-Dioxane	ND		ug/kg	140	43.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	66		18-120

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-04
Client ID: B-4 (4-6')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY
Date Collected: 06/28/22 12:20
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/30/22 02:15
Analyst: WR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 06/29/22 08:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-04 Date Collected: 06/28/22 12:20

Client ID: B-4 (4-6') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	38.	1
3-Nitroaniline	ND		ug/kg	190	37.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-04 Date Collected: 06/28/22 12:20

Client ID: B-4 (4-6') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	67		18-120

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-05 D
Client ID: B-1 (0-2')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY

Date Collected: 06/28/22 13:35
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/01/22 03:07
Analyst: CMM
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 06/29/22 08:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	230	J	ug/kg	870	110	5
1,2,4-Trichlorobenzene	ND		ug/kg	1100	120	5
Hexachlorobenzene	ND		ug/kg	650	120	5
Bis(2-chloroethyl)ether	ND		ug/kg	980	150	5
2-Chloronaphthalene	ND		ug/kg	1100	110	5
1,2-Dichlorobenzene	ND		ug/kg	1100	200	5
1,3-Dichlorobenzene	ND		ug/kg	1100	190	5
1,4-Dichlorobenzene	ND		ug/kg	1100	190	5
3,3'-Dichlorobenzidine	ND		ug/kg	1100	290	5
2,4-Dinitrotoluene	ND		ug/kg	1100	220	5
2,6-Dinitrotoluene	ND		ug/kg	1100	190	5
Fluoranthene	2800		ug/kg	650	120	5
4-Chlorophenyl phenyl ether	ND		ug/kg	1100	120	5
4-Bromophenyl phenyl ether	ND		ug/kg	1100	170	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1300	180	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1200	110	5
Hexachlorobutadiene	ND		ug/kg	1100	160	5
Hexachlorocyclopentadiene	ND		ug/kg	3100	990	5
Hexachloroethane	ND		ug/kg	870	180	5
Isophorone	ND		ug/kg	980	140	5
Naphthalene	280	J	ug/kg	1100	130	5
Nitrobenzene	ND		ug/kg	980	160	5
NDPA/DPA	ND		ug/kg	870	120	5
n-Nitrosodi-n-propylamine	ND		ug/kg	1100	170	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1100	380	5
Butyl benzyl phthalate	ND		ug/kg	1100	270	5
Di-n-butylphthalate	ND		ug/kg	1100	210	5
Di-n-octylphthalate	ND		ug/kg	1100	370	5

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-05 D Date Collected: 06/28/22 13:35

Client ID: B-1 (0-2') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1100	100	5
Dimethyl phthalate	ND		ug/kg	1100	230	5
Benzo(a)anthracene	1400		ug/kg	650	120	5
Benzo(a)pyrene	1300		ug/kg	870	260	5
Benzo(b)fluoranthene	1500		ug/kg	650	180	5
Benzo(k)fluoranthene	480	J	ug/kg	650	170	5
Chrysene	1300		ug/kg	650	110	5
Acenaphthylene	170	J	ug/kg	870	170	5
Anthracene	560	J	ug/kg	650	210	5
Benzo(ghi)perylene	670	J	ug/kg	870	130	5
Fluorene	290	J	ug/kg	1100	100	5
Phenanthrene	2300		ug/kg	650	130	5
Dibenzo(a,h)anthracene	180	J	ug/kg	650	120	5
Indeno(1,2,3-cd)pyrene	800	J	ug/kg	870	150	5
Pyrene	2600		ug/kg	650	110	5
Biphenyl	ND		ug/kg	2500	140	5
4-Chloroaniline	ND		ug/kg	1100	200	5
2-Nitroaniline	ND		ug/kg	1100	210	5
3-Nitroaniline	ND		ug/kg	1100	200	5
4-Nitroaniline	ND		ug/kg	1100	450	5
Dibenzofuran	150	J	ug/kg	1100	100	5
2-Methylnaphthalene	160	J	ug/kg	1300	130	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1100	110	5
Acetophenone	ND		ug/kg	1100	130	5
2,4,6-Trichlorophenol	ND		ug/kg	650	210	5
p-Chloro-m-cresol	ND		ug/kg	1100	160	5
2-Chlorophenol	ND		ug/kg	1100	130	5
2,4-Dichlorophenol	ND		ug/kg	980	180	5
2,4-Dimethylphenol	ND		ug/kg	1100	360	5
2-Nitrophenol	ND		ug/kg	2400	410	5
4-Nitrophenol	ND		ug/kg	1500	440	5
2,4-Dinitrophenol	ND		ug/kg	5200	510	5
4,6-Dinitro-o-cresol	ND		ug/kg	2800	520	5
Pentachlorophenol	ND		ug/kg	870	240	5
Phenol	ND		ug/kg	1100	160	5
2-Methylphenol	ND		ug/kg	1100	170	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1600	170	5

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-05 D Date Collected: 06/28/22 13:35

Client ID: B-1 (0-2') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1100	210	5
Benzoic Acid	ND		ug/kg	3500	1100	5
Benzyl Alcohol	ND		ug/kg	1100	330	5
Carbazole	210	J	ug/kg	1100	100	5
1,4-Dioxane	ND		ug/kg	160	50.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	29		10-136
4-Terphenyl-d14	66		18-120

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-06
Client ID: B-3 (1-3')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY

Date Collected: 06/28/22 14:40
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/30/22 02:37
Analyst: WR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 06/29/22 08:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	80	J	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	71	J	ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-06 Date Collected: 06/28/22 14:40

Client ID: B-3 (1-3') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	54	J	ug/kg	120	22.	1
Benzo(a)pyrene	70	J	ug/kg	160	47.	1
Benzo(b)fluoranthene	94	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	56	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	47	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	28	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	55	J	ug/kg	160	27.	1
Pyrene	77	J	ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	38.	1
3-Nitroaniline	ND		ug/kg	190	37.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 374 WALLABOUT **Lab Number:** L2234319

Project Number: 0205892 **Report Date:** 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-06 Date Collected: 06/28/22 14:40

Client ID: B-3 (1-3') Date Received: 06/28/22

Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	116		10-136
4-Terphenyl-d14	82		18-120

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/29/22 09:58
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 06/29/22 03:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1656643-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/29/22 09:58
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 06/29/22 03:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1656643-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/29/22 09:58
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 06/29/22 03:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1656643-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	77		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234319

Report Date: 07/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1656643-2 WG1656643-3								
Acenaphthene	50		69		31-137	32		50
1,2,4-Trichlorobenzene	55		75		38-107	31		50
Hexachlorobenzene	63		86		40-140	31		50
Bis(2-chloroethyl)ether	53		72		40-140	30		50
2-Chloronaphthalene	58		77		40-140	28		50
1,2-Dichlorobenzene	52		70		40-140	30		50
1,3-Dichlorobenzene	50		68		40-140	31		50
1,4-Dichlorobenzene	50		68		28-104	31		50
3,3'-Dichlorobenzidine	47		67		40-140	35		50
2,4-Dinitrotoluene	59		82		40-132	33		50
2,6-Dinitrotoluene	62		83		40-140	29		50
Fluoranthene	55		74		40-140	29		50
4-Chlorophenyl phenyl ether	54		74		40-140	31		50
4-Bromophenyl phenyl ether	57		79		40-140	32		50
Bis(2-chloroisopropyl)ether	52		69		40-140	28		50
Bis(2-chloroethoxy)methane	54		74		40-117	31		50
Hexachlorobutadiene	56		75		40-140	29		50
Hexachlorocyclopentadiene	47		62		40-140	28		50
Hexachloroethane	51		70		40-140	31		50
Isophorone	58		78		40-140	29		50
Naphthalene	54		73		40-140	30		50
Nitrobenzene	60		79		40-140	27		50
NDPA/DPA	56		75		36-157	29		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234319

Report Date: 07/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1656643-2 WG1656643-3								
n-Nitrosodi-n-propylamine	58		77		32-121	28		50
Bis(2-ethylhexyl)phthalate	51		70		40-140	31		50
Butyl benzyl phthalate	59		78		40-140	28		50
Di-n-butylphthalate	60		81		40-140	30		50
Di-n-octylphthalate	53		72		40-140	30		50
Diethyl phthalate	56		76		40-140	30		50
Dimethyl phthalate	60		81		40-140	30		50
Benzo(a)anthracene	55		75		40-140	31		50
Benzo(a)pyrene	57		81		40-140	35		50
Benzo(b)fluoranthene	54		76		40-140	34		50
Benzo(k)fluoranthene	56		78		40-140	33		50
Chrysene	51		70		40-140	31		50
Acenaphthylene	60		81		40-140	30		50
Anthracene	52		70		40-140	30		50
Benzo(ghi)perylene	57		80		40-140	34		50
Fluorene	54		72		40-140	29		50
Phenanthrene	50		68		40-140	31		50
Dibenzo(a,h)anthracene	60		83		40-140	32		50
Indeno(1,2,3-cd)pyrene	66		92		40-140	33		50
Pyrene	54		73		35-142	30		50
Biphenyl	56		75		37-127	29		50
4-Chloroaniline	47		66		40-140	34		50
2-Nitroaniline	66		89		47-134	30		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1656643-2 WG1656643-3								
3-Nitroaniline	48		67		26-129	33		50
4-Nitroaniline	55		78		41-125	35		50
Dibenzofuran	54		73		40-140	30		50
2-Methylnaphthalene	56		75		40-140	29		50
1,2,4,5-Tetrachlorobenzene	60		80		40-117	29		50
Acetophenone	56		74		14-144	28		50
2,4,6-Trichlorophenol	67		89		30-130	28		50
p-Chloro-m-cresol	64		85		26-103	28		50
2-Chlorophenol	56		76		25-102	30		50
2,4-Dichlorophenol	61		82		30-130	29		50
2,4-Dimethylphenol	61		82		30-130	29		50
2-Nitrophenol	58		76		30-130	27		50
4-Nitrophenol	66		89		11-114	30		50
2,4-Dinitrophenol	48		67		4-130	33		50
4,6-Dinitro-o-cresol	56		74		10-130	28		50
Pentachlorophenol	49		67		17-109	31		50
Phenol	59		79		26-90	29		50
2-Methylphenol	61		82		30-130.	29		50
3-Methylphenol/4-Methylphenol	59		78		30-130	28		50
2,4,5-Trichlorophenol	67		90		30-130	29		50
Benzoic Acid	31		43		10-110	32		50
Benzyl Alcohol	63		84		40-140	29		50
Carbazole	55		74		54-128	29		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234319

Report Date: 07/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1656643-2 WG1656643-3								
1,4-Dioxane	**36**	Q	49		40-140	31		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	59		77		25-120
Phenol-d6	61		81		10-120
Nitrobenzene-d5	56		76		23-120
2-Fluorobiphenyl	57		76		30-120
2,4,6-Tribromophenol	65		88		10-136
4-Terphenyl-d14	56		76		18-120

METALS

Project Name: 374 WALLABOUT
Lab Number: L2234319
Project Number: 0205892
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-01
Client ID: B-2 (6-8')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY
Date Collected: 06/28/22 11:20
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6370		mg/kg	9.71	2.62	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Antimony, Total	ND		mg/kg	4.86	0.369	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Arsenic, Total	1.62		mg/kg	0.971	0.202	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Barium, Total	42.9		mg/kg	0.971	0.169	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Beryllium, Total	0.350	J	mg/kg	0.486	0.032	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Cadmium, Total	ND		mg/kg	0.971	0.095	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Calcium, Total	1230		mg/kg	9.71	3.40	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Chromium, Total	11.0		mg/kg	0.971	0.093	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Cobalt, Total	3.74		mg/kg	1.94	0.161	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Copper, Total	6.85		mg/kg	0.971	0.251	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Iron, Total	11800		mg/kg	4.86	0.877	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Lead, Total	14.1		mg/kg	4.86	0.260	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Magnesium, Total	994		mg/kg	9.71	1.50	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Manganese, Total	60.1		mg/kg	0.971	0.154	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Mercury, Total	0.102		mg/kg	0.078	0.051	1	06/30/22 10:10	07/01/22 09:24	EPA 7471B	1,7471B	DMB
Nickel, Total	7.23		mg/kg	2.43	0.235	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Potassium, Total	326		mg/kg	243	14.0	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Selenium, Total	0.301	J	mg/kg	1.94	0.251	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Silver, Total	ND		mg/kg	0.971	0.275	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Sodium, Total	50.9	J	mg/kg	194	3.06	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Thallium, Total	ND		mg/kg	1.94	0.306	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Vanadium, Total	16.8		mg/kg	0.971	0.197	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB
Zinc, Total	16.8		mg/kg	4.86	0.285	2	06/30/22 08:44	07/06/22 10:31	EPA 3050B	1,6010D	NB

Project Name: 374 WALLABOUT
Lab Number: L2234319
Project Number: 0205892
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-02
Client ID: B-2 (1-3')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY
Date Collected: 06/28/22 11:22
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6060		mg/kg	9.17	2.47	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Antimony, Total	1.26	J	mg/kg	4.58	0.348	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Arsenic, Total	14.3		mg/kg	0.917	0.191	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Barium, Total	339		mg/kg	0.917	0.159	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Beryllium, Total	0.385	J	mg/kg	0.458	0.030	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Cadmium, Total	ND		mg/kg	0.917	0.090	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Calcium, Total	8400		mg/kg	9.17	3.21	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Chromium, Total	15.4		mg/kg	0.917	0.088	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Cobalt, Total	6.55		mg/kg	1.83	0.152	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Copper, Total	122		mg/kg	0.917	0.236	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Iron, Total	18700		mg/kg	4.58	0.828	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Lead, Total	722		mg/kg	4.58	0.246	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Magnesium, Total	1280		mg/kg	9.17	1.41	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Manganese, Total	207		mg/kg	0.917	0.146	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Mercury, Total	1.58		mg/kg	0.073	0.048	1	06/30/22 10:10	07/01/22 09:28	EPA 7471B	1,7471B	DMB
Nickel, Total	17.4		mg/kg	2.29	0.222	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Potassium, Total	563		mg/kg	229	13.2	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Selenium, Total	1.08	J	mg/kg	1.83	0.236	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Silver, Total	ND		mg/kg	0.917	0.259	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Sodium, Total	207		mg/kg	183	2.89	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Thallium, Total	ND		mg/kg	1.83	0.289	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Vanadium, Total	27.6		mg/kg	0.917	0.186	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB
Zinc, Total	253		mg/kg	4.58	0.268	2	06/30/22 08:44	07/06/22 10:36	EPA 3050B	1,6010D	NB

Project Name: 374 WALLABOUT
Lab Number: L2234319
Project Number: 0205892
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-03
Client ID: B-4 (0-2')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY
Date Collected: 06/28/22 12:10
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5060		mg/kg	8.97	2.42	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Antimony, Total	0.834	J	mg/kg	4.48	0.341	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Arsenic, Total	8.74		mg/kg	0.897	0.186	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Barium, Total	266		mg/kg	0.897	0.156	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Beryllium, Total	0.287	J	mg/kg	0.448	0.030	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Cadmium, Total	0.251	J	mg/kg	0.897	0.088	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Calcium, Total	7410		mg/kg	8.97	3.14	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Chromium, Total	14.5		mg/kg	0.897	0.086	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Cobalt, Total	4.86		mg/kg	1.79	0.149	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Copper, Total	2080		mg/kg	0.897	0.231	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Iron, Total	13200		mg/kg	4.48	0.810	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Lead, Total	493		mg/kg	4.48	0.240	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Magnesium, Total	1270		mg/kg	8.97	1.38	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Manganese, Total	186		mg/kg	0.897	0.142	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Mercury, Total	1.61		mg/kg	0.072	0.047	1	06/30/22 10:10	07/01/22 09:31	EPA 7471B	1,7471B	DMB
Nickel, Total	10.3		mg/kg	2.24	0.217	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Potassium, Total	538		mg/kg	224	12.9	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Selenium, Total	0.816	J	mg/kg	1.79	0.231	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Silver, Total	3.12		mg/kg	0.897	0.254	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Sodium, Total	132	J	mg/kg	179	2.82	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Thallium, Total	ND		mg/kg	1.79	0.282	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Vanadium, Total	20.6		mg/kg	0.897	0.182	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB
Zinc, Total	345		mg/kg	4.48	0.263	2	06/30/22 08:44	07/06/22 10:40	EPA 3050B	1,6010D	NB

Project Name: 374 WALLABOUT
Lab Number: L2234319
Project Number: 0205892
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-04
Client ID: B-4 (4-6')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY
Date Collected: 06/28/22 12:20
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5840		mg/kg	8.84	2.38	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Antimony, Total	0.433	J	mg/kg	4.42	0.336	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Arsenic, Total	2.34		mg/kg	0.884	0.184	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Barium, Total	61.9		mg/kg	0.884	0.154	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Beryllium, Total	0.327	J	mg/kg	0.442	0.029	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Cadmium, Total	ND		mg/kg	0.884	0.087	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Calcium, Total	2220		mg/kg	8.84	3.09	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Chromium, Total	10.9		mg/kg	0.884	0.085	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Cobalt, Total	3.39		mg/kg	1.77	0.147	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Copper, Total	26.8		mg/kg	0.884	0.228	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Iron, Total	8240		mg/kg	4.42	0.798	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Lead, Total	102		mg/kg	4.42	0.237	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Magnesium, Total	997		mg/kg	8.84	1.36	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Manganese, Total	51.2		mg/kg	0.884	0.140	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Mercury, Total	0.880		mg/kg	0.074	0.048	1	06/30/22 10:10	07/01/22 09:34	EPA 7471B	1,7471B	DMB
Nickel, Total	7.38		mg/kg	2.21	0.214	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Potassium, Total	443		mg/kg	221	12.7	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Selenium, Total	0.830	J	mg/kg	1.77	0.228	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Silver, Total	ND		mg/kg	0.884	0.250	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Sodium, Total	63.2	J	mg/kg	177	2.78	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Thallium, Total	ND		mg/kg	1.77	0.278	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Vanadium, Total	14.9		mg/kg	0.884	0.179	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB
Zinc, Total	37.2		mg/kg	4.42	0.259	2	06/30/22 08:44	07/06/22 10:44	EPA 3050B	1,6010D	NB

Project Name: 374 WALLABOUT
Lab Number: L2234319
Project Number: 0205892
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-05
Client ID: B-1 (0-2')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY
Date Collected: 06/28/22 13:35
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6550		mg/kg	9.88	2.67	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Antimony, Total	1.60	J	mg/kg	4.94	0.376	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Arsenic, Total	16.8		mg/kg	0.988	0.206	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Barium, Total	191		mg/kg	0.988	0.172	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Beryllium, Total	0.415	J	mg/kg	0.494	0.033	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Cadmium, Total	0.435	J	mg/kg	0.988	0.097	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Calcium, Total	5210		mg/kg	9.88	3.46	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Chromium, Total	22.5		mg/kg	0.988	0.095	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Cobalt, Total	5.53		mg/kg	1.98	0.164	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Copper, Total	79.2		mg/kg	0.988	0.255	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Iron, Total	18300		mg/kg	4.94	0.893	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Lead, Total	601		mg/kg	4.94	0.265	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Magnesium, Total	1040		mg/kg	9.88	1.52	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Manganese, Total	108		mg/kg	0.988	0.157	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Mercury, Total	4.11		mg/kg	0.165	0.108	2	06/30/22 10:10	07/01/22 09:47	EPA 7471B	1,7471B	DMB
Nickel, Total	15.0		mg/kg	2.47	0.239	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Potassium, Total	553		mg/kg	247	14.2	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Selenium, Total	9.69		mg/kg	1.98	0.255	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Silver, Total	0.306	J	mg/kg	0.988	0.280	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Sodium, Total	165	J	mg/kg	198	3.11	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Thallium, Total	ND		mg/kg	1.98	0.311	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Vanadium, Total	27.5		mg/kg	0.988	0.201	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB
Zinc, Total	660		mg/kg	4.94	0.290	2	06/30/22 08:44	07/06/22 10:49	EPA 3050B	1,6010D	NB

Project Name: 374 WALLABOUT
Lab Number: L2234319
Project Number: 0205892
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-06
Client ID: B-3 (1-3')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY
Date Collected: 06/28/22 14:40
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5380		mg/kg	9.14	2.47	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Antimony, Total	0.585	J	mg/kg	4.57	0.347	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Arsenic, Total	4.32		mg/kg	0.914	0.190	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Barium, Total	129		mg/kg	0.914	0.159	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Beryllium, Total	0.293	J	mg/kg	0.457	0.030	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Cadmium, Total	ND		mg/kg	0.914	0.090	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Calcium, Total	6520		mg/kg	9.14	3.20	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Chromium, Total	14.3		mg/kg	0.914	0.088	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Cobalt, Total	4.42		mg/kg	1.83	0.152	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Copper, Total	33.4		mg/kg	0.914	0.236	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Iron, Total	11700		mg/kg	4.57	0.826	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Lead, Total	192		mg/kg	4.57	0.245	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Magnesium, Total	1560		mg/kg	9.14	1.41	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Manganese, Total	114		mg/kg	0.914	0.145	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Mercury, Total	0.559		mg/kg	0.074	0.048	1	06/30/22 10:10	07/01/22 09:41	EPA 7471B	1,7471B	DMB
Nickel, Total	9.82		mg/kg	2.29	0.221	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Potassium, Total	557		mg/kg	229	13.2	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Selenium, Total	0.375	J	mg/kg	1.83	0.236	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Silver, Total	ND		mg/kg	0.914	0.259	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Sodium, Total	131	J	mg/kg	183	2.88	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Thallium, Total	ND		mg/kg	1.83	0.288	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Vanadium, Total	19.1		mg/kg	0.914	0.186	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB
Zinc, Total	113		mg/kg	4.57	0.268	2	06/30/22 08:44	07/06/22 10:53	EPA 3050B	1,6010D	NB

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1657226-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Antimony, Total	ND		mg/kg	2.00	0.152	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Calcium, Total	ND		mg/kg	4.00	1.40	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Chromium, Total	ND		mg/kg	0.400	0.038	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Copper, Total	ND		mg/kg	0.400	0.103	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Iron, Total	0.376	J	mg/kg	2.00	0.361	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Lead, Total	ND		mg/kg	2.00	0.107	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Manganese, Total	ND		mg/kg	0.400	0.064	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Nickel, Total	ND		mg/kg	1.00	0.097	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Potassium, Total	ND		mg/kg	100	5.76	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Selenium, Total	ND		mg/kg	0.800	0.103	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Silver, Total	ND		mg/kg	0.400	0.113	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Sodium, Total	ND		mg/kg	80.0	1.26	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Thallium, Total	ND		mg/kg	0.800	0.126	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV
Zinc, Total	ND		mg/kg	2.00	0.117	1	06/30/22 08:44	07/06/22 08:25	1,6010D	BV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1657230-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	06/30/22 10:10	07/01/22 08:08	1,7471B	DMB

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234319

Report Date: 07/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1657226-2 SRM Lot Number: D113-540								
Aluminum, Total	91		-		51-149	-		
Antimony, Total	148		-		20-250	-		
Arsenic, Total	105		-		70-130	-		
Barium, Total	100		-		75-125	-		
Beryllium, Total	100		-		75-125	-		
Cadmium, Total	96		-		75-125	-		
Calcium, Total	104		-		73-128	-		
Chromium, Total	104		-		70-130	-		
Cobalt, Total	100		-		75-125	-		
Copper, Total	102		-		75-125	-		
Iron, Total	122		-		36-164	-		
Lead, Total	102		-		72-128	-		
Magnesium, Total	92		-		63-138	-		
Manganese, Total	102		-		77-123	-		
Nickel, Total	98		-		70-130	-		
Potassium, Total	92		-		59-141	-		
Selenium, Total	105		-		66-134	-		
Silver, Total	106		-		70-131	-		
Sodium, Total	88		-		35-164	-		
Thallium, Total	99		-		70-130	-		
Vanadium, Total	104		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234319

Report Date: 07/08/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1657226-2 SRM Lot Number: D113-540					
Zinc, Total	98	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1657230-2 SRM Lot Number: D113-540					
Mercury, Total	106	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 374 WALLABOUT
Project Number: 0205892

Lab Number: L2234319
Report Date: 07/08/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1657226-3 QC Sample: L2233839-61 Client ID: MS Sample												
Aluminum, Total	9800	190	8230	**0**	Q	-	-		75-125	-		20
Antimony, Total	787	47.6	946	**334**	Q	-	-		75-125	-		20
Arsenic, Total	14.4	11.4	27.6	116		-	-		75-125	-		20
Barium, Total	285	190	416	**69**	Q	-	-		75-125	-		20
Beryllium, Total	0.670	4.76	3.63	**62**	Q	-	-		75-125	-		20
Cadmium, Total	0.944	5.04	4.11	**63**	Q	-	-		75-125	-		20
Calcium, Total	29900	951	18200	**0**	Q	-	-		75-125	-		20
Chromium, Total	384	19	569	**972**	Q	-	-		75-125	-		20
Cobalt, Total	5.58	47.6	36.5	**65**	Q	-	-		75-125	-		20
Copper, Total	117	23.8	171	**227**	Q	-	-		75-125	-		20
Iron, Total	16500	95.1	21900	**5680**	Q	-	-		75-125	-		20
Lead, Total	222	50.4	304	**163**	Q	-	-		75-125	-		20
Magnesium, Total	8120	951	4990	**0**	Q	-	-		75-125	-		20
Manganese, Total	1230	47.6	1010	**0**	Q	-	-		75-125	-		20
Nickel, Total	16.5	47.6	49.5	**69**	Q	-	-		75-125	-		20
Potassium, Total	586	951	1220	**67**	Q	-	-		75-125	-		20
Selenium, Total	1.03	11.4	8.59	**66**	Q	-	-		75-125	-		20
Silver, Total	0.776	28.5	21.9	**74**	Q	-	-		75-125	-		20
Sodium, Total	535	951	1120	**62**	Q	-	-		75-125	-		20
Thallium, Total	ND	11.4	4.96	**43**	Q	-	-		75-125	-		20
Vanadium, Total	41.8	47.6	69.2	**58**	Q	-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 374 WALLABOUT
Project Number: 0205892

Lab Number: L2234319
Report Date: 07/08/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1657226-3 QC Sample: L2233839-61 Client ID: MS Sample										
Zinc, Total	583	47.6	565	**0**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1657230-3 QC Sample: L2233839-61 Client ID: MS Sample										
Mercury, Total	0.338	1.57	1.92	101		-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 374 WALLABOUT
Project Number: 0205892

Lab Number: L2234319
Report Date: 07/08/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1657226-4 QC Sample: L2233839-61 Client ID: DUP Sample						
Arsenic, Total	14.4	16.3	mg/kg	12		20
Barium, Total	285	259	mg/kg	10		20
Cadmium, Total	0.944	1.11	mg/kg	16		20
Chromium, Total	384	388	mg/kg	1		20
Lead, Total	222	233	mg/kg	5		20
Selenium, Total	1.03	1.01	mg/kg	2		20
Silver, Total	0.776	0.920	mg/kg	17		20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1657230-4 QC Sample: L2233839-61 Client ID: DUP Sample						
Mercury, Total	0.338	0.318	mg/kg	6		20

Project Name: 374 WALLABOUT
Project Number: 0205892

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2234319
Report Date: 07/08/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1657226-6 QC Sample: L2233839-61 Client ID: DUP Sample						
Arsenic, Total	14.4	18.9	mg/kg	**31**	Q	20
Barium, Total	285	397	mg/kg	**39**	Q	20
Chromium, Total	384	554	mg/kg	**44**	Q	20
Lead, Total	222	316	mg/kg	**42**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-01
Client ID: B-2 (6-8')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 06/28/22 11:20
Date Received: 06/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.0		%	0.100	NA	1	-	06/29/22 10:29	121,2540G	RI

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-02
Client ID: B-2 (1-3')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 06/28/22 11:22
Date Received: 06/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	06/29/22 10:29	121,2540G	RI

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-03
Client ID: B-4 (0-2')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 06/28/22 12:10
Date Received: 06/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	06/29/22 10:29	121,2540G	RI

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-04
Client ID: B-4 (4-6')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 06/28/22 12:20
Date Received: 06/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	06/29/22 10:29	121,2540G	RI

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-05
Client ID: B-1 (0-2')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 06/28/22 13:35
Date Received: 06/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.0		%	0.100	NA	1	-	06/29/22 10:29	121,2540G	RI

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234319
Report Date: 07/08/22

SAMPLE RESULTS

Lab ID: L2234319-06
Client ID: B-3 (1-3')
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 06/28/22 14:40
Date Received: 06/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.3		%	0.100	NA	1	-	06/29/22 10:29	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234319

Report Date: 07/08/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1656832-1 QC Sample: L2234316-02 Client ID: DUP Sample						
Solids, Total	88.7	87.8	%	1		20

Project Name: 374 WALLABOUT
Project Number: 0205892

Lab Number: L2234319
Report Date: 07/08/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2234319-01A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2234319-01B	Vial water preserved	A	NA		2.6	Y	Absent	29-JUN-22 08:16	NYTCL-8260HLW(14)
L2234319-01C	Vial water preserved	A	NA		2.6	Y	Absent	29-JUN-22 08:16	NYTCL-8260HLW(14)
L2234319-01D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L2234319-01E	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14)
L2234319-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2234319-02A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2234319-02B	Vial water preserved	A	NA		2.6	Y	Absent	29-JUN-22 08:16	NYTCL-8260HLW(14)
L2234319-02C	Vial water preserved	A	NA		2.6	Y	Absent	29-JUN-22 08:16	NYTCL-8260HLW(14)
L2234319-02D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L2234319-02E	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14)
L2234319-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L2234319-03A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2234319-03B	Vial water preserved	A	NA		2.6	Y	Absent	29-JUN-22 08:16	NYTCL-8260HLW(14)
L2234319-03C	Vial water preserved	A	NA		2.6	Y	Absent	29-JUN-22 08:16	NYTCL-8260HLW(14)
L2234319-03D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L2234319-03E	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2234319-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2234319-04A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2234319-04B	Vial water preserved	A	NA		2.6	Y	Absent	29-JUN-22 08:16	NYTCL-8260HLW(14)
L2234319-04C	Vial water preserved	A	NA		2.6	Y	Absent	29-JUN-22 08:16	NYTCL-8260HLW(14)
L2234319-04D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L2234319-04E	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14)
L2234319-04F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2234319-05A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2234319-05B	Vial water preserved	A	NA		2.6	Y	Absent	29-JUN-22 08:16	NYTCL-8260HLW(14)
L2234319-05C	Vial water preserved	A	NA		2.6	Y	Absent	29-JUN-22 08:16	NYTCL-8260HLW(14)
L2234319-05D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L2234319-05E	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14)
L2234319-05F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2234319-06A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2234319-06B	Vial water preserved	A	NA		2.6	Y	Absent	29-JUN-22 08:16	NYTCL-8260HLW(14)
L2234319-06C	Vial water preserved	A	NA		2.6	Y	Absent	29-JUN-22 08:16	NYTCL-8260HLW(14)
L2234319-06D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L2234319-06E	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14)
L2234319-06F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 374 WALLABOUT
Project Number: 0205892

Lab Number: L2234319
Report Date: 07/08/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2234319-07A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2234319-07B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2234319-07C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2234319-08A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2234319-08B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2234319-08C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2234319-09A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2234319-09B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	374 WALLABOUT	**Lab Number:**	L2234319
Project Number:	0205892	**Report Date:**	07/08/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	374 WALLABOUT	**Lab Number:**	L2234319
Project Number:	0205892	**Report Date:**	07/08/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	374 WALLABOUT	**Lab Number:**	L2234319
Project Number:	0205892	**Report Date:**	07/08/22

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	374 WALLABOUT	**Lab Number:**	L2234319
Project Number:	0205892	**Report Date:**	07/08/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 6/28/22

ALPHA Job #: L2234319

Client Information

Client: HRA of NY
Address: 237 West, 35th Street, 16th floor, New York, NY 10123
Phone: 646 277 5690
Fax: EScheuerman@haleyaldrich.com
Email: zsimmel@haleyaldrich.com

Project Information

Project Name: 374 Wallabout
Project Location: 374 Wallabout Street, Brooklyn, NY
Project #: 0205892
(Use Project name as Project #): ☐
Project Manager: E. Scheuerman
ALPHAQuote #:

Turn-Around Time

Standard: ☒ Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other PDF + Excel

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☒ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	Total Metals	VOCs (Part375 Full List)					Sample Specific Comments	Total Bottle
34319 -01	B-2 (6-8')	6/28/22	1120	S	YL	X	X	X							6
-02	B-2 (1-3')		1122	S	YL	X	X	X							6
-03	B-4 (0-2')		1210	S	YL	X	X	X							6
-04	B-4 (4-6')		1220	S	YL	X	X	X							6
-05	B-1 (0-2')		1235	S	YL	X	X	X							6
-06	B-3 (1-3')		1440	S	YL	X	X	X							6
-07	TW-1		1415	W	YL				X						3
-08	TW-2		1300	W	YL				X						3
-09	TB-20220628		—	—	—										

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	A	A	[illegible]				
Preservative	F	A	A	B				

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	6/28/22 15:20	[illegible]	6/28/22 15:20
[illegible]	6/28/22 17:45	ALPHAAL	6/28/1930
ALPHAAL	6/28	[illegible]	6/28/22 21:30
[illegible]	6/28/22 2358	[illegible]	6/28/22 2358

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONSTITUTIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2234400
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Elizabeth Scheuerman
Phone:	(646) 277-5692
Project Name:	374 WALLABOUT
Project Number:	0205892
Report Date:	07/01/22

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 374 WALLABOUT
Project Number: 0205892

Lab Number: L2234400
Report Date: 07/01/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2234400-01	SS-1	SOIL_VAPOR	374 WALLABOUT STREET, BROOKLYN, NY	06/28/22 11:55	06/28/22
L2234400-02	SS-2	SOIL_VAPOR	374 WALLABOUT STREET, BROOKLYN, NY	06/28/22 12:00	06/28/22

Project Name:	374 WALLABOUT	**Lab Number:**	L2234400
Project Number:	0205892	**Report Date:**	07/01/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	374 WALLABOUT	**Lab Number:**	L2234400
Project Number:	0205892	**Report Date:**	07/01/22

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on June 28, 2022. The canister certification results are provided as an addendum.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 07/01/22

AIR

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234400
Report Date: 07/01/22

SAMPLE RESULTS

Lab ID: L2234400-01
Client ID: SS-1
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY

Date Collected: 06/28/22 11:55
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/30/22 21:52
Analyst: JB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.593	0.200	--	2.93	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.81	1.00	--	11.4	2.38	--		1
Trichlorofluoromethane	0.302	0.200	--	1.70	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.557	0.200	--	1.73	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.891	0.500	--	2.63	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234400
Report Date: 07/01/22

SAMPLE RESULTS

Lab ID: L2234400-01
Client ID: SS-1
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY

Date Collected: 06/28/22 11:55
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	7.56	0.200	--	36.9	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	1.27	0.200	--	6.93	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.87	0.200	--	10.8	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	4.91	0.200	--	33.3	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234400
Report Date: 07/01/22

SAMPLE RESULTS

Lab ID: L2234400-01
Client ID: SS-1
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY

Date Collected: 06/28/22 11:55
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.531	0.400	--	2.31	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.258	0.200	--	1.12	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.447	0.200	--	2.20	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	97		60-140

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234400
Report Date: 07/01/22

SAMPLE RESULTS

Lab ID: L2234400-02
Client ID: SS-2
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY

Date Collected: 06/28/22 12:00
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/30/22 22:30
Analyst: JB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.564	0.200	--	2.79	0.989	--		1
Chloromethane	0.456	0.200	--	0.942	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	19.3	1.00	--	45.8	2.38	--		1
Trichlorofluoromethane	0.257	0.200	--	1.44	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	3.67	0.200	--	11.4	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.32	0.500	--	6.84	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234400
Report Date: 07/01/22

SAMPLE RESULTS

Lab ID: L2234400-02
Client ID: SS-2
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY

Date Collected: 06/28/22 12:00
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	3.86	0.200	--	18.9	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.237	0.200	--	0.835	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.825	0.200	--	2.64	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	5.55	0.200	--	20.9	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.353	0.200	--	2.39	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.216	0.200	--	0.938	0.869	--		1

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234400
Report Date: 07/01/22

SAMPLE RESULTS

Lab ID: L2234400-02
Client ID: SS-2
Sample Location: 374 WALLABOUT STREET, BROOKLYN, NY

Date Collected: 06/28/22 12:00
Date Received: 06/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.768	0.400	--	3.34	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.341	0.200	--	1.48	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.427	0.200	--	2.10	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	98		60-140

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234400
Report Date: 07/01/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/30/22 16:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1657650-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234400
Report Date: 07/01/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/30/22 16:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1657650-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234400
Report Date: 07/01/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/30/22 16:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1657650-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: 374 WALLABOUT
Project Number: 0205892

Lab Number: L2234400
Report Date: 07/01/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1657650-3								
Dichlorodifluoromethane	99		-		70-130	-		
Chloromethane	82		-		70-130	-		
Freon-114	92		-		70-130	-		
Vinyl chloride	86		-		70-130	-		
1,3-Butadiene	87		-		70-130	-		
Bromomethane	89		-		70-130	-		
Chloroethane	85		-		70-130	-		
Ethanol	89		-		40-160	-		
Vinyl bromide	81		-		70-130	-		
Acetone	92		-		40-160	-		
Trichlorofluoromethane	92		-		70-130	-		
Isopropanol	81		-		40-160	-		
1,1-Dichloroethene	88		-		70-130	-		
Tertiary butyl Alcohol	78		-		70-130	-		
Methylene chloride	102		-		70-130	-		
3-Chloropropene	83		-		70-130	-		
Carbon disulfide	76		-		70-130	-		
Freon-113	88		-		70-130	-		
trans-1,2-Dichloroethene	82		-		70-130	-		
1,1-Dichloroethane	87		-		70-130	-		
Methyl tert butyl ether	85		-		70-130	-		
2-Butanone	84		-		70-130	-		
cis-1,2-Dichloroethene	90		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 374 WALLABOUT
Project Number: 0205892

Lab Number: L2234400
Report Date: 07/01/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1657650-3								
Ethyl Acetate	97		-		70-130	-		
Chloroform	99		-		70-130	-		
Tetrahydrofuran	84		-		70-130	-		
1,2-Dichloroethane	91		-		70-130	-		
n-Hexane	88		-		70-130	-		
1,1,1-Trichloroethane	94		-		70-130	-		
Benzene	86		-		70-130	-		
Carbon tetrachloride	108		-		70-130	-		
Cyclohexane	85		-		70-130	-		
1,2-Dichloropropane	88		-		70-130	-		
Bromodichloromethane	100		-		70-130	-		
1,4-Dioxane	90		-		70-130	-		
Trichloroethene	92		-		70-130	-		
2,2,4-Trimethylpentane	88		-		70-130	-		
Heptane	87		-		70-130	-		
cis-1,3-Dichloropropene	91		-		70-130	-		
4-Methyl-2-pentanone	91		-		70-130	-		
trans-1,3-Dichloropropene	80		-		70-130	-		
1,1,2-Trichloroethane	94		-		70-130	-		
Toluene	86		-		70-130	-		
2-Hexanone	86		-		70-130	-		
Dibromochloromethane	109		-		70-130	-		
1,2-Dibromoethane	93		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 374 WALLABOUT

Project Number: 0205892

Lab Number: L2234400

Report Date: 07/01/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1657650-3								
Tetrachloroethene	90		-		70-130	-		
Chlorobenzene	90		-		70-130	-		
Ethylbenzene	87		-		70-130	-		
p/m-Xylene	88		-		70-130	-		
Bromoform	113		-		70-130	-		
Styrene	89		-		70-130	-		
1,1,2,2-Tetrachloroethane	97		-		70-130	-		
o-Xylene	90		-		70-130	-		
4-Ethyltoluene	89		-		70-130	-		
1,3,5-Trimethylbenzene	81		-		70-130	-		
1,2,4-Trimethylbenzene	94		-		70-130	-		
Benzyl chloride	92		-		70-130	-		
1,3-Dichlorobenzene	93		-		70-130	-		
1,4-Dichlorobenzene	93		-		70-130	-		
1,2-Dichlorobenzene	94		-		70-130	-		
1,2,4-Trichlorobenzene	96		-		70-130	-		
Hexachlorobutadiene	97		-		70-130	-		

Project Name: 374 WALLABOUT

Lab Number: L2234400

Project Number: 0205892

Report Date: 07/01/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2234400-01	SS-1	01698	Flow 3	06/28/22	392350		-	-	-	Pass	18.0	17.2	5
L2234400-01	SS-1	3103	2.7L Can	06/28/22	392350	L2232720-01	Pass	-28.9	-3.9	-	-	-	-
L2234400-02	SS-2	0808	Flow 2	06/28/22	392350		-	-	-	Pass	18.0	15.9	12
L2234400-02	SS-2	2765	2.7L Can	06/28/22	392350	L2232720-01	Pass	-29.0	-6.7	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2232720
Report Date: 07/01/22

Air Canister Certification Results

Lab ID: L2232720-01
Client ID: CAN 257 SHELF 2
Sample Location:

Date Collected: 06/20/22 18:00
Date Received: 06/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/21/22 21:13
Analyst: JB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2232720
Report Date: 07/01/22

Air Canister Certification Results

Lab ID: L2232720-01
Client ID: CAN 257 SHELF 2
Sample Location:

Date Collected: 06/20/22 18:00
Date Received: 06/21/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2232720
Report Date: 07/01/22

Air Canister Certification Results

Lab ID: L2232720-01
Client ID: CAN 257 SHELF 2
Sample Location:

Date Collected: 06/20/22 18:00
Date Received: 06/21/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2232720
Report Date: 07/01/22

Air Canister Certification Results

Lab ID: L2232720-01
Client ID: CAN 257 SHELF 2
Sample Location:

Date Collected: 06/20/22 18:00
Date Received: 06/21/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2232720
Report Date: 07/01/22

Air Canister Certification Results

Lab ID: L2232720-01
Client ID: CAN 257 SHELF 2
Sample Location:

Date Collected: 06/20/22 18:00
Date Received: 06/21/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2232720
Report Date: 07/01/22

Air Canister Certification Results

Lab ID: L2232720-01
Client ID: CAN 257 SHELF 2
Sample Location:

Date Collected: 06/20/22 18:00
Date Received: 06/21/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/21/22 21:13
Analyst: JB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	0.025	0.020	--	0.122	0.098	--	B	1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2232720
Report Date: 07/01/22

Air Canister Certification Results

Lab ID: L2232720-01
Client ID: CAN 257 SHELF 2
Sample Location:

Date Collected: 06/20/22 18:00
Date Received: 06/21/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2232720
Report Date: 07/01/22

Air Canister Certification Results

Lab ID: L2232720-01
Client ID: CAN 257 SHELF 2
Sample Location:

Date Collected: 06/20/22 18:00
Date Received: 06/21/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140

Project Name: 374 WALLABOUT
Project Number: 0205892

Lab Number: L2234400
Report Date: 07/01/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2234400-01A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L2234400-02A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	374 WALLABOUT	**Lab Number:**	L2234400
Project Number:	0205892	**Report Date:**	07/01/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	374 WALLABOUT	**Lab Number:**	L2234400
Project Number:	0205892	**Report Date:**	07/01/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	374 WALLABOUT	**Lab Number:**	L2234400
Project Number:	0205892	**Report Date:**	07/01/22

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name: 374 WALLABOUT
Project Number: 0205892
Lab Number: L2234400
Report Date: 07/01/22

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/29/22

ALPHA Job #: L2234400

Client Information

Client: HDA of NY
Address: 237 West 35th Street, Floor 16
New York NY 10023
Phone: 646.277.5690
Fax: Escheuerman@haleyaldrich.com
Email: zsimmel@haleyaldrich.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 374 Wallabout
Project Location: 374 Wallabout Street, Brooklyn NY
Project #: 0205892
Project Manager: E. Scheuerman
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☑ ADEx
☐ Criteria Checker: (Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH (Subtract Non-petroleum HCs)	Fixed Gases	Sulfides & Mercaptans by TO-15	☐	Sample Comments (i.e. PID)
34400 - 01	SS-1	6/28/22	0955	1155	-30.01	-4.42	SV	YL	2.7L	3103	01698	X						
-02	SS-2	6/28/22	1000	1200	-30.20	-7.04	SV	YL	2.7L	2765	0888	X						

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: SV

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Yanxia Li	6/28/22 1520		6/28/22 15:20
	6/28/22 17:45		6/28/22 0800
	6/29/22	GC AHL	6/29/22 07:30
GC AHL	6/29/22 0220		6/29/22 02:20

APPENDIX C
Ground-Penetrating Radar Survey Report

GEOPHYSICAL ENGINEERING SURVEY REPORT

Residential Property
374 Wallabout Street
Brooklyn, New York 11206

NOVA PROJECT NUMBER:
25-5031

DATED:
February 10, 2025

PREPARED FOR:

HALEY ALDRICH

237 West 35th Street, 16th Floor
New York, NY 10123
www.haleyaldrich.com

PREPARED BY:

NOVA
GEOPHYSICAL
ENGINEERING
Subsurface Mapping Solutions
56-01 Marathon Parkway # 765
Douglaston, New York 11362
347-556-7787 (PHONE)
718-261-1527(FAX)
www.nova-gsi.com

NOVA GEOPHYSICAL SERVICES

SUBSURFACE MAPPING SOLUTIONS
56-01 Marathon Parkway #765, Douglaston, New York 11362
Ph. 347-556-7787 Email: info@novagsi.com
www.novagsi.com

February 10, 2025

Nicholas J. Manzione
Project Environmental Engineer
H & A of New York Engineering and Geology, LLP
213 W 35th Street | Floor 7
New York, NY 10001
T: 917.765.7174 M: 516.353.9882 E: nmanzione@haleyaldrich.com

Re: Geophysical Engineering Survey (GES) Report
Residential Property
374 Wallabout Street, Brooklyn, New York 11206

Dear Mr. Manzione,

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site: 374 Wallabout Street, Brooklyn, New York (the "Site").

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks and other substructures that may be located at the proposed boring areas on February 5th 2025.

The equipment selected for this investigation was a Sensors and Software Noggin 250 MHz ground penetrating radar (GPR) with a shielded antenna and a RadioDetection RD7100 Electromagnetic utility locator.

A GPR system consists of a radar control unit, control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 MHz. The trigger pulse is sent to the transmitter

electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulse into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

A typical electromagnetic (EM) utility locating system consists of a transmitter unit and a receiver unit. The receiver unit can be used independently of the transmitter unit in order to detect utility lines with an inherent EM signature (electric utility lines, water lines, etc.). If needed a current at a specific frequency can also be placed on a utility that is being located. This can be done via the transmitter unit by either direct connection or induction via an EM field varying at specific frequency. The receiver unit is then set to the selected frequency and the electromagnetic field created by the current running through the utility can be located allowing the utility to be marked.

GEOPHYSICAL METHODS

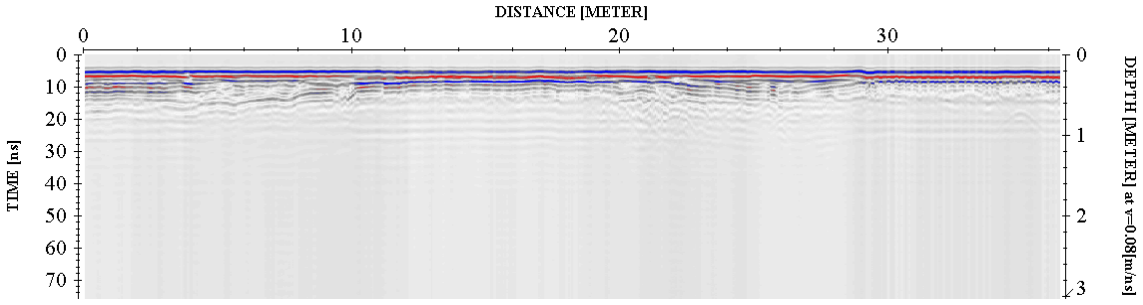
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to determine the locations of utilities within the survey area.

EM data was collected and interpreted on site and suspected utilities marked as needed. GPR data profiles were collected for areas of the site specified by the client and processed as specified below.

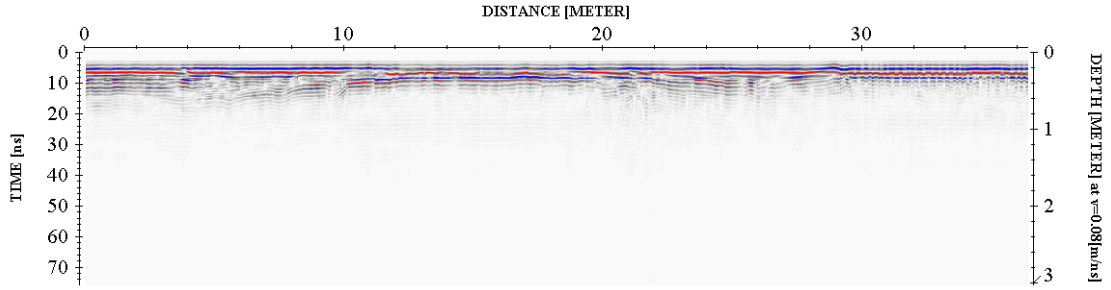
DATA PROCESSING

In order to improve the quality of the results and to better identify anomalies NOVA processed the collected data. The processing work flow is briefly described in this section.

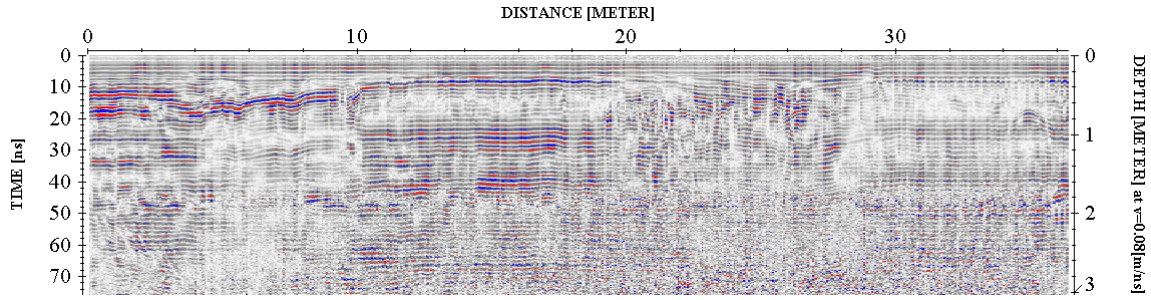
Step 1. Import Raw RAMAC data to standard processing format



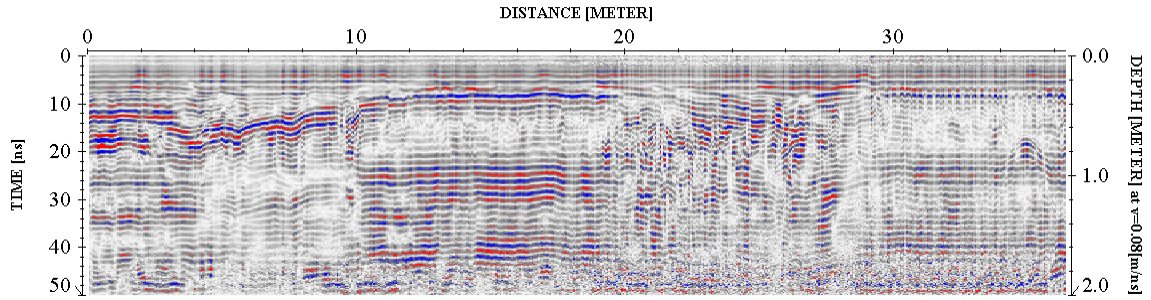
Step 2. Remove instrument noise *(dewow)*



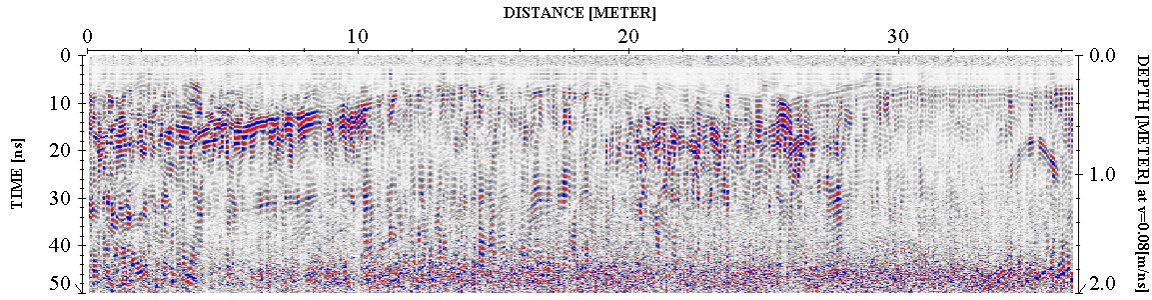
Step 3. Correct for attenuation losses *(energy decay function)*



Step 4. Remove static from bottom of profile *(time cut)*



Step 5. Mute horizontal ringing/noise *(subtracting average)*



The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and represents the subsurface anomalies much more accurately.

PHYSICAL SETTINGS

NOVA observed the following physical conditions at the time of the survey.

Weather: Clear

Temperature: 29° F

Surface: Concrete, Asphalt

Survey Parameters: A ground penetrating radar (GPR) grid scan was conducted within the survey areas as shown in the survey plan. The line spacing of the grid survey was approximately 2'. Additional GPR data was collected over features of interest. A utility locator was used in conjunction with GPR throughout the survey areas.

Limitations: The geophysical noise level (GNL) at the site was high due to being in an urban environment, reinforced concrete, and other unknown anthropogenic sources.

RESULTS

The results of the geophysical engineering survey (GES) identified the following at the project site:

- Anomalies resembling potential subsurface utilities (such as electric, sewer, water, telecom, steam and gas) were identified within the surveyed areas. Anomalies resembling potential subsurface utilities were identified but could not be connected to known utilities. The approximate locations are shown in the survey plan.
- The GES confirmed that the floor drain as well as waste line from the upper floor areas are interconnected to the site's waste system (catch basin/sewer cleanout) with their final destination to the public sewer located along the Wallabout Street.
- The GES did not identify any large geophysical anomalies resembling a potential underground storage tank (UST) at the surveyed areas.
- NOVA cleared and marked all proposed boring locations during the onsite mark out.

If you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

NOVA Geophysical Services



Levent Eskicakit, P.G., E.P.

Project Manager

Attachments:

Location Map

Survey Plan

Geophysical Images

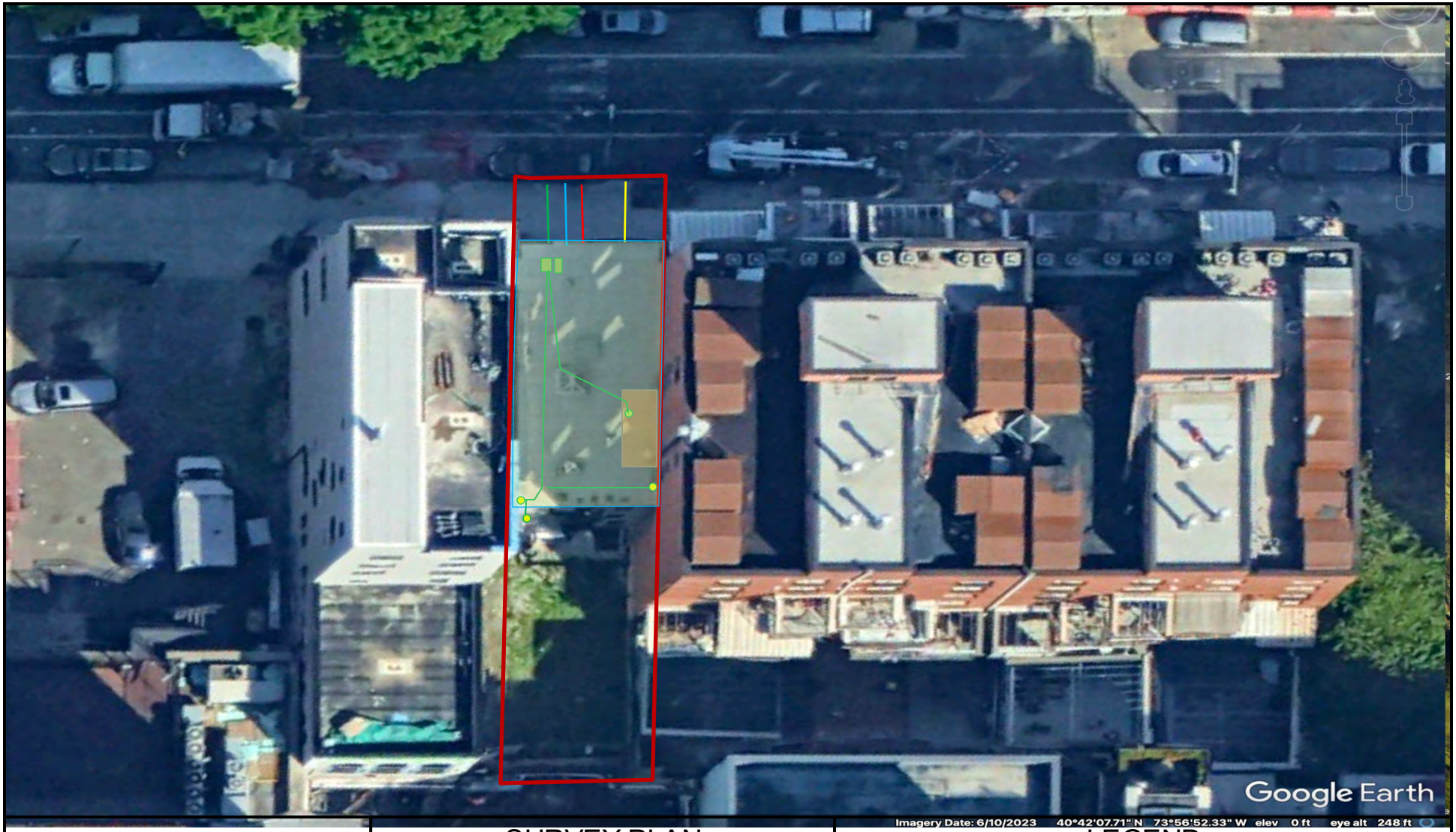


NOVA
Geophysical Services
Subsurface Mapping Solutions
56-01 Marathon Parkway, # 765
Douglaston, New York 11362
Phone (347) 556-7787 * Fax (718) 261-1527
www.novagsi.com

Location Map

SITE:	**Residential Property** 374 Wallabout Street Brooklyn, New York 11206
CLIENT:	Haley & Aldrich
DATE:	February 5, 2025
AUTH:	Levent E. / Tolga Ybas

LEGEND



NOVA
Geophysical Services
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SURVEY PLAN

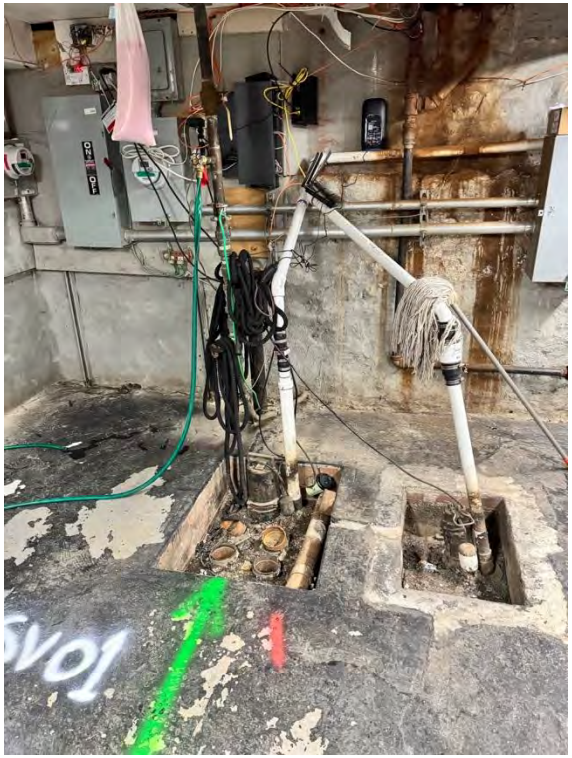
SITE:	**Residential Property** 374 Wallabout Street Brooklyn, New York 11206
CLIENT:	Haley & Aldrich
DATE:	February 5, 2025
AUTH:	Levent E. / Tolga Ybas

LEGEND

- Survey Area
- Basement Area
- Electric
- Gas
- Water
- Sewer / Lines
- Boiler
- Catch Basin (Sewer)
- Floor Drain
- Roof Drain

GEOPHYSICAL IMAGES

Residential Property
374 Wallabout Street
Brooklyn, New York 11206
February 5th, 2025







GEOPHYSICAL IMAGES

Residential Property
374 Wallabout Street
Brooklyn, New York 11206
February 5th, 2025

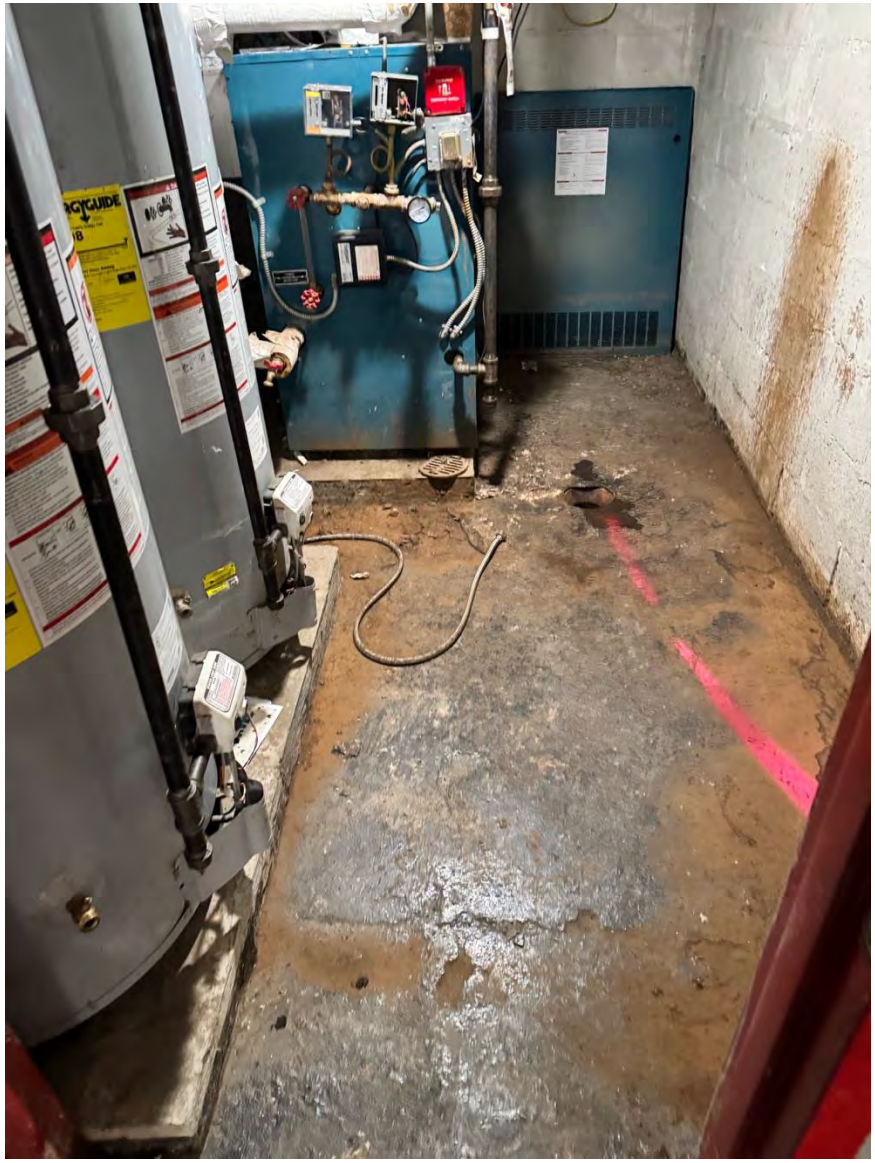


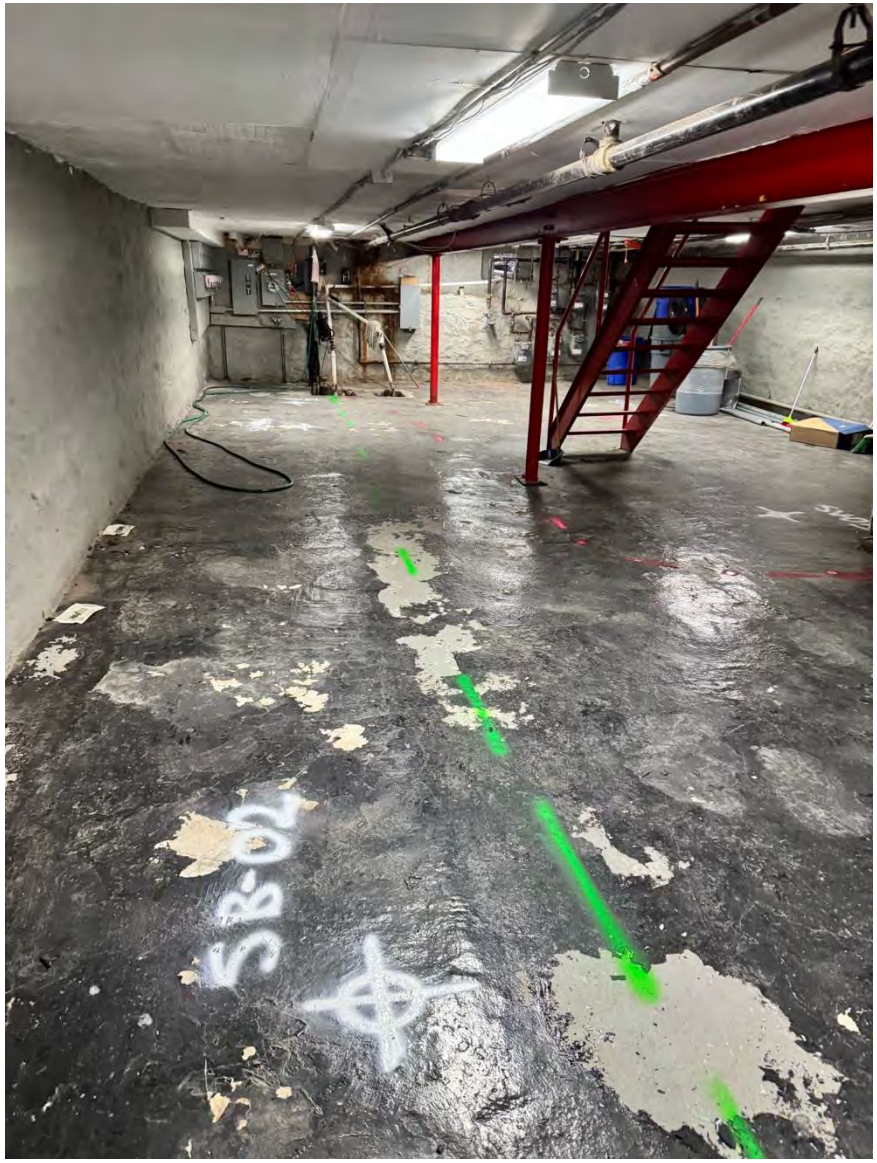




GEOPHYSICAL IMAGES

Residential Property
374 Wallabout Street
Brooklyn, New York 11206
February 5th, 2025





GEOPHYSICAL IMAGES

Residential Property
374 Wallabout Street
Brooklyn, New York 11206
February 5th, 2025





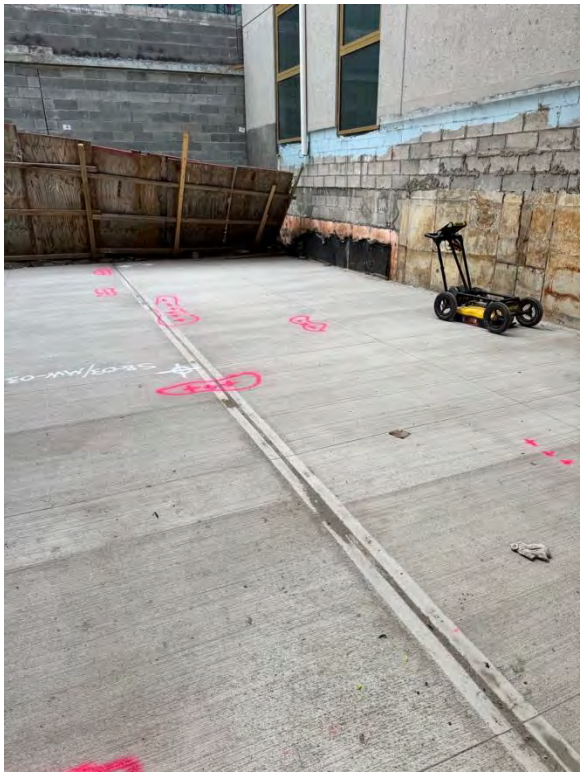


GEOPHYSICAL IMAGES

Residential Property
374 Wallabout Street
Brooklyn, New York 11206
February 5th, 2025







GEOPHYSICAL IMAGES

Residential Property
374 Wallabout Street
Brooklyn, New York 11206
February 5th, 2025







APPENDIX D
Soil Boring Logs

HALEY ALDRICH

SOIL BORING LOG

BORING NO. **SB-01**

Page 1 of 1

PROJECT	374 Wallabout Street Redevelopment (BCP Site No. C224383)	**PROJECT #**	205892
LOCATION	374 Wallabout Street, Brooklyn, New York	**PROJECT MGR.**	E. Fitzgerald
CLIENT	Joel Fried	**FIELD REP.**	NJM/DF
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	2/6/2025
DRILLER	T. Kelly	**DATE FINISHED**	2/6/2025

Boring Location: Boring located in cellar of the Site. Cellar slab is 6 feet (ft) below existing sidewalk grade (bsg). Depths are displayed in ft below grade surface (bgs). (See Map)

Item	Casing	Sampler	Rig Make & Model	420 M		Surface Conditions	Drilling Notes
Type	Steel	4 ft Macro	Completion Depth (ft.)	9	Drilling Method	concrete slab (interior/cellar)	N/A
Inside Diameter (in.)	2"	2"	Number of Samples	3	Direct Push		

Depth (feet (ft) Below grade surface)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (feet (ft) below grade surface)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0		0	none	Dry	0-2"	Brown silty SAND, trace clay, stone (FILL)	Sample collected at 0'-2'ft bgs (Sample ID: SB-01_6-8)
1					2"-6"	Brown fine silty SAND, stone (FILL)	
	25/36	0			6"-3'	Brown medium to coarse SAND, stone (FILL)	
2							
		0					Sample collected at 2'-4' ft bgs (Sample ID: SB-01_8-10)
3							
		0	none	Wet	3'-6'	Brown coarse SAND, trace pebbles	
4							Groundwater encountered approximately 3.5-4 ft bgs (9-9.5 ft bsg)
	22/36	0					
5							
		0					
6							
		0	none	Wet	6' - 9'	Brown coarse SAND, trace pebbles	
7							Sample collected 7'-9' ft bgs (Sample ID: SB-01_13-15)
	23/36	0					
8							
		0					
9						EOB at 9 ft bgs	
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
			N/A
			N/A
			N/A

Well Construction Information

Type	Depth	Notes
N/A	N/A	N/A

Summary

Overburden (Linear ft.)	9
Rock Cored (Linear ft.)	-
Number of Samples	3

BORING NO. SB-01

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

SOIL BORING LOG

BORING NO. SB-02

Page 1 of 1

PROJECT	374 Wallabout Street Redevelopment (BCP Site No. C224383)	**PROJECT #**	205892
LOCATION	374 Wallabout Street, Brooklyn, New York	**PROJECT MGR.**	E. Fitzgerlad
CLIENT	Joel Fried	**FIELD REP.**	NJM/DF
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	2/6/2025
DRILLER	T. Kelly	**DATE FINISHED**	2/6/2025

Boring Location: Boring located in cellar of the Site. Cellar slab is 6 feet (ft) below existing sidewalk grade (bsg). Depths are displayed in ft below grade surface (bgs). (See Map)

Item	Casing	Sampler	Rig Make & Model	420 M		Surface Conditions	Drilling Notes
Type	Steel	4 ft Macro	Completion Depth (ft.)	9	Drilling Method	concrete slab (interior/cellar)	N/A
Inside Diameter (in.)	2"	2"	Number of Samples	3	Direct Push		

Depth (feet (ft) Below grade surface)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (feet (ft) below grade surface)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0							
		0	none	Dry	0-4"	Concrete	Sample collected at 0'-2'ft bgs (Sample ID: SB-02_6-8)
1				Moist	4"-1.5'	Brown silty SAND with plastic, ceramics, stone, and trace fine gravel [FILL]	
	24/36	0					
2				Moist	1.5'-2'	Brown medium to coarse SAND with some silt	
		0					
3				Wet	3'-5.5'	Brown medium to coarse SAND with some silt	
		0	none				Sample collected at 2'-4' ft bgs (Sample ID: SB-02_8-10)
4							Groundwater encountered approximately 4 ft bgs [10 ft bsg]
	31/36	0					
5							
		0					
6							
		0	none	Wet	6' - 9'	Brown medium to coarse SAND with some silt	
7							Sample collected 7'-9' ft bgs (Sample ID: SB-02_13-15)
	32/36	0					
8							
		0					
9							
						EOB at 9 ft bgs	
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
			N/A
			N/A
			N/A

Well Construction Information

Type	Depth	Notes
N/A	N/A	N/A

Summary

Overburden (Linear ft.)	9
Rock Cored (Linear ft.)	-
Number of Samples	3

BORING NO. SB-02

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

SOIL BORING LOG

BORING NO. **SB-03**

Page 1 of 1

PROJECT	374 Wallabout Street Redevelopment (BCP Site No. C224383)	**PROJECT #**	205892
LOCATION	374 Wallabout Street, Brooklyn, New York	**PROJECT MGR.**	E. Fitzgerald
CLIENT	Joel Fried	**FIELD REP.**	NJM/DF
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	2/5/2025
DRILLER	T. Kelly	**DATE FINISHED**	2/5/2025

Boring Location Boring located in the rear yard of the Site. Depths are displayed in feet (ft) below grade surface (bgs). (See Map)

Item	Casing	Sampler	Rig Make & Model	420 M		Surface Conditions	Drilling Notes
Type	Steel	4 ft Macro	Completion Depth (ft.)	16	Drilling Method	concrete slab (exterior/rear yard)	N/A
Inside Diameter (in.)	2"	2"	Number of Samples	5	Direct Push		

Depth (feet below sidewalk grade)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (feet below sidewalk grade)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0							
		0	none	Dry	0-4"	Concrete	Sample collected at 0'-2' bsg (Sample ID: SB-03_0-2)
1					4"-2''	Brown medium SAND with brick, asphalt, stone, and ceramic pieces [FILL]	
	23/48	0					
2							
		0					
3							Sample collected at 3'-5' bgs (Sample ID: SB-03_3-5)
		0					
4			none		4'-6'	Brown medium SAND with brick, asphalt, stone, and ceramic pieces [FILL]	
		0					
5							
		0					
6	26/48						
		0					
7							
		0					Sample collected at 7'-9' bsg (Sample ID: SB-03_7-9)
8			none		8'-8.5'	Black fine SAND with some clay and organics [FILL]	
		0					
9					8.5'-9'	Greenish gray fine SAND with some clay [FILL]	
	32/48	0					
10					9'-10.5'	Brown fine to medium SAND with some pebbles	Sample collected at 10'-12' bgs (Sample ID: SB-03_10-12)
		0		Moist			Groundwater encountered approximately 10 ft bsg
11							
		0		Moist			
12			none	Wet	12'-16'	Brown/orange medium to coarse SAND with pebbles	
		0					
13							Sample collected at 13'-15 bgs (Sample ID: SB-03_13-15)
		0					
14	48/48						
		0					
15							
		0					
16			none				
						EOB at 16 ft bgs	
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
			N/A
			N/A
			N/A

Well Construction Information

Type	Depth	Notes
N/A	N/A	N/A

Summary

Overburden (Linear ft.)	16
Rock Cored (Linear ft.)	-
Number of Samples	5

BORING NO. SB-03

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

SOIL BORING LOG

BORING NO. SB-04

Page 1 of 1

PROJECT	374 Wallabout Street Redevelopment (BCP Site No. C224383)	**PROJECT #**	205892
LOCATION	374 Wallabout Street, Brooklyn, New York	**PROJECT MGR.**	E. Fitzgerald
CLIENT	Joel Fried	**FIELD REP.**	NJM/DF
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	2/5/2025
DRILLER	T. Kelly	**DATE FINISHED**	2/5/2025

Boring Location: Boring located in the rear yard of the Site. Depths are displayed in feet (ft) below grade surface (bgs). (See Map)

Item	Casing	Sampler	Rig Make & Model	420 M		Surface Conditions	Drilling Notes
Type	Steel	4 ft Macro	Completion Depth (ft.)	16	Drilling Method	concrete slab (exterior/rear yard)	N/A
Inside Diameter (in.)	2"	2"	Number of Samples	5	Direct Push		

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0		0	none	Dry	0-2.5"	Dark brown fine SAND with asphalt, wood, brick, and stone [FILL]	Sample collected at 0'-2' bsg (Sample ID: SB-04_0-2)
1		0					
2	28/48	0					Sample collected at 3'-5' bgs (Sample ID: SB-04_3-5)
3		0					
4			none		4'-6'	Dark brown fine SAND with asphalt, wood, brick, and stone [FILL]	
5		0					
6	28/48	0			6'-6.5'	Dark grayish brown fine SAND with some clay and organics [FILL]	
7		0					Sample collected at 7'-9' bsg (Sample ID: SB-04_7-9)
8			none		8'-10'	Dark grayish brown fine SAND with some clay [FILL]	
9		0					
10	32/48	0		Wet	10'-10.5'	Grayish green medium SAND	Groundwater encountered approximately 10 ft bsg
11		0		Wet			Sample collected at 10'-12' bgs (Sample ID: SB-04_10-12)
12			none		12'-13'	Gray coarse SAND with trace pebbles	
13		0			13'-16'	Orange/brown coarse SAND with trace pebbles	Sample collected at 13'-15 bgs (Sample ID: SB-04_13-15)
14	32/48	0					
15		0					
16			none			EOB at 16 ft bgs	
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
			N/A
			N/A
			N/A

Well Construction Information

Type	Depth	Notes
N/A	N/A	N/A

Summary

Overburden (Linear ft.)	16
Rock Cored (Linear ft.)	-
Number of Samples	5

BORING NO. SB-04

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

SOIL BORING LOG

BORING NO. SB-05

Page 1 of 1

PROJECT	374 Wallabout Street Redevelopment (BCP Site No. C224383)	**PROJECT #**	205892
LOCATION	374 Wallabout Street, Brooklyn, New York	**PROJECT MGR.**	E. Fitzgerald
CLIENT	Joel Fried	**FIELD REP.**	NJM/DF
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	2/5/2025
DRILLER	T. Kelly	**DATE FINISHED**	2/5/2025

Boring Location: Boring located in the rear yard of the Site. Depths are displayed in feet (ft) below grade surface (bgs). (See Map)

Item	Casing	Sampler	Rig Make & Model	420 M		Surface Conditions	Drilling Notes
Type	Steel	4 ft Macro	Completion Depth (ft.)	16	Drilling Method	concrete slab (exterior/rear yard)	N/A
Inside Diameter (in.)	2"	2"	Number of Samples	5	Direct Push		

Depth (feet below sidewalk grade)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (feet below sidewalk grade)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0		0	none	Dry	0-4"	Concrete	Sample collected at 0'-2' bsg (Sample ID: SB-05_0-2)
1					4"-2'	Brown fine SAND with brick, asphalt, stone, and ceramic pieces [FILL]	
		0					
2	28/48						
		0					
3							Sample collected at 3'-5' bgs (Sample ID: SB-05_3-5)
		0					
4			none		4'-6'	Brown fine SAND, brick, asphalt, ceramic pieces [FILL]	
		0					
5							
		0					
6	28/48						
		0					
7							Sample collected at 7'-9' bsg (Sample ID: SB-05_7-9)
		0					
8			none		8'-9'	Brown fine SAND, brick, asphalt, plastic, wood [FILL]	
		0					
9					9'-10'	Brown silty SAND with some clay, trace wood, and trace pebbles [FILL]	
		0					
10	32/48			Moist	10'-11'	Gray/green to brown medium SAND with trace silt	Sample collected at 10'-12' bgs (Sample ID: SB-05_10-12)
		0					Groundwater encountered approximatley 10 ft bsg
11							
		0					
12			none	Wet	12'-15'	Gray/green to brown medium SAND with trace silt	
		0					
13				Wet	13'-16'	Gray/green to brown medium SAND with trace silt	Sample collected at 13'-15 bgs (Sample ID: SB-05_13-15)
		0					
14	32/48			Wet			
		0					
15							
		0					
16						EOB at 16 ft bgs	
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
			N/A
			N/A
			N/A

Well Construction Information

Type	Depth	Notes
N/A	N/A	N/A

Summary

Overburden (Linear ft.)	16
Rock Cored (Linear ft.)	-
Number of Samples	5

BORING NO. SB-05

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

SOIL BORING LOG

BORING NO. **SB-06**

Page 1 of 1

PROJECT	374 Wallabout Street Redevelopment (BCP Site No. C224383)	**PROJECT #**	205892
LOCATION	374 Wallabout Street, Brooklyn, New York	**PROJECT MGR.**	E. Fitzgerald
CLIENT	Joel Fried	**FIELD REP.**	NJM/DF
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	2/6/2025
DRILLER	T. Kelly	**DATE FINISHED**	2/6/2025

Boring Location Boring located in cellar of the Site. Cellar slab is 6 feet (ft) below existing sidewalk grade (bsg). Depths are displayed in ft below grade surface (bgs). (See Map)

Item	Casing	Sampler	Rig Make & Model	420 M		Surface Conditions	Drilling Notes
Type	Steel	4 ft Macro	Completion Depth (ft.)	9	Drilling Method	concrete slab (interior/cellar)	N/A
Inside Diameter (in.)	2"	2"	Number of Samples	3	Direct Push		

Depth (ft.)	Recovery (in/tot)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0		0	none	Dry	0-4"	Concrete	Sample collected at 0-1 ft bgs (Sample ID: SB-06_6-7)
1					4"-2'	Brown silty SAND with some clay and trace gravel [FILL]	
	30/36	0					
2					2'-2.5'	Brown medium to coarse SAND, some silt, trace clay	Sample collected at 2'-4' ft bgs (Sample ID: SB-06_8-10)
		0					Groundwater encountered approximately 3 ft bgs [9 ft bsg]
3				Wet			
		0	none				
4					3'-9'	Brown, medium to coarse SAND, some silt, trace clay	
	28/36	0					
5							
		0					
6							
		0	none				
7							Sample collected 7'-9' ft bgs (Sample ID: SB-06_13-15)
	24/36	0					
8							
		0					
9			none				
						EOB at 9 ft bgs	
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Water
			N/A
			N/A
			N/A

Well Construction Information

Type	Depth	Notes
N/A	N/A	N/A

Summary

Overburden (Linear ft.)	9
Rock Cored (Linear ft.)	-
Number of Samples	3

BORING NO. SB-06

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

APPENDIX E
Well Construction Diagrams

PERMANENT WELL INSTALLATION REPORT

HALEY ALDRICH

Well No. MW-01
Boring No. SB-01

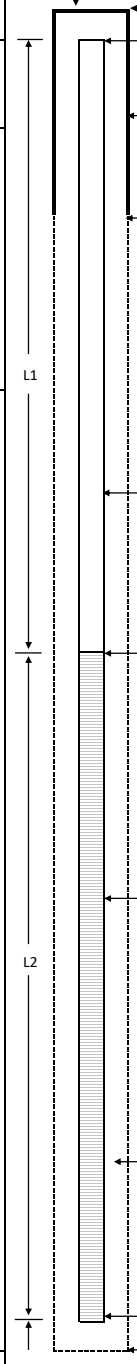
PROJECT	374 Wallabout Street Redevelopment	**H&A FILE NO.**	205892
LOCATION	374 Wallabout Street, Brooklyn, New York	**PROJECT MGR.**	E. Fitzgerald
CLIENT	Joel Fried	**FIELD REP.**	M. Cal, D. Freliech
CONTRACTOR	Lakewood Environmental Services Corp	**DATE INSTALLED**	2/6/2025
DRILLER	T. Kelly	**WATER LEVEL**	4.2 ft bgs or 10.2 bsg

Top of Casing El.	7.25	**Location**	See Plan	**Drilling Equipment**	Geoprobe® 6610DT
El. Datum	NAVD88				

Guard Pipe ☑ **Roadway Box** ☐

SOIL CONDITIONS	BOREHOLE BACKFILL
0	0
Concrete	Concrete
0.25	0.25
Sand, Silt, Anthropogenic Material (Urban Fill)	Bentonite
	2
3	
	Filter Sand
Sand, Gravel	
9.0	9.0
(Bottom of Exploration)	

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock (circle one): Pent.bolt | 9/16" hex. | 1/2" hex. | 7/10" hex.

Height/Depth of top of guard pipe/roadway box above/below ground surface: 0.0 ft

Height/Depth of top of riser pipe above/below ground surface: -0.25 ft

Type of protective casing: Flushmount

Length: 0.58 ft

Depth of bottom of guard pipe/roadway box: 0.58 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.00	0.25
Bentonite Seal	0.25	1.75
Filter Sand	2.00	7.00

Type of riser pipe: 2-inch PVC

Inside diameter of riser pipe: 2.0 in

Depth to top of well screen: 4.0 ft

Type of screen: Machine Slotted PVC

Screen gauge or size of openings: 0.010 in

Diameter of screen: 2.0 in

Type of backfill around screen: #0 Filter Sand

Depth of bottom of well screen: 9.0 ft

Depth of bottom of borehole: 9.0 ft

4 ft	+	5 ft	=	9 ft
Riser Pay Length (L1)		Length of Screen (L2)		Pay length

COMMENTS: bsg - below sidewalk grade; bgs - below grade surface

MW-01 installed in cellar of building. Cellar slab is approximately 6 feet below sidewalk grade.

PERMANENT WELL INSTALLATION REPORT

HALEY ALDRICH

Well No. MW-02
Boring No. SB-02

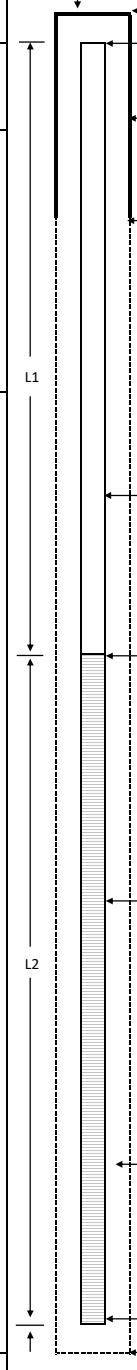
PROJECT	374 Wallabout Street Redevelopment	**H&A FILE NO.**	205892
LOCATION	374 Wallabout Street, Brooklyn, New York	**PROJECT MGR.**	E. Fitzgerald
CLIENT	Joel Fried	**FIELD REP.**	M. Cal, D. Freliech
CONTRACTOR	Lakewood Environmental Services Corp	**DATE INSTALLED**	2/6/2025
DRILLER	T. Kelly	**WATER LEVEL**	3.8 bgs or 9.8 bsg

Top of Casing El.	7.48	**Location**	See Plan	**Drilling Equipment**	Geoprobe® 6610DT
El. Datum	NAVD88				

Guard Pipe ☑ **Roadway Box** ☐

SOIL CONDITIONS	BOREHOLE BACKFILL
0	0
Concrete	Concrete
0.25	0.25
Sand, Silt, Anthropogenic Material (Urban Fill)	Bentonite
1.5	
	2
	Filter Sand
Sand, Gravel	
8.5	8.5
(Bottom of Exploration)	

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock (circle one): Pent.bolt | 9/16" hex. | 1/2" hex. | 7/10" hex.

Height/Depth of top of guard pipe/roadway box above/below ground surface	0.0	ft
Height/Depth of top of riser pipe above/below ground surface	-0.25	ft
Type of protective casing:	Flushmount	
Length	0.58	ft
Depth of bottom of guard pipe/roadway box	0.58	ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.00	0.25
Bentonite Seal	0.25	1.75
Filter Sand	2.00	6.50

Type of riser pipe:	2-inch PVC	
Inside diameter of riser pipe	2.0	in
Depth to top of well screen	3.5	ft
Type of screen	Machine Slotted PVC	
Screen gauge or size of openings	0.010	in
Diameter of screen	2.0	in
Type of backfill around screen	#0 Filter Sand	
Depth of bottom of well screen	8.5	ft
Depth of bottom of borehole	8.5	ft

3.5	ft	+	5	ft	=	8.5 ft
Riser Pay Length (L1)			Length of Screen (L2)			Pay length

COMMENTS: bsg - below sidewalk grade; bgs - below grade surface
MW-02 installed in cellar of building. Cellar slab is approximately 6 feet below sidewalk grade.

Form 2007

PERMANENT WELL INSTALLATION REPORT

HALEY ALDRICH

Well No. MW-03

Boring No. SB-03

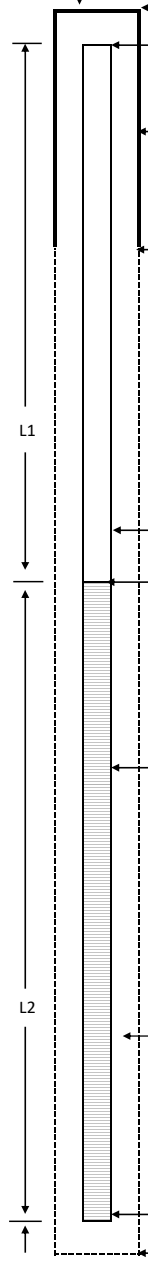
PROJECT	374 Wallabout Street Redevelopment	**H&A FILE NO.**	205892
LOCATION	374 Wallabout Street, Brooklyn, New York	**PROJECT MGR.**	E. Fitzgerald
CLIENT	Joel Fried	**FIELD REP.**	M. Cal, D. Freliech
CONTRACTOR	Lakewood Environmental Services Corp	**DATE INSTALLED**	2/5/2025
DRILLER	T. Kelly	**WATER LEVEL**	8.4 ft bgs or 8.4 bsg

Top of Casing El.	12.27	**Location**	See Plan	**Drilling Equipment**	Geoprobe® 6610DT
El. Datum	NAVD88				

Guard Pipe ☑ **Roadway Box** ☐

SOIL CONDITIONS	BOREHOLE BACKFILL
0	0
Concrete	Concrete
0.25	0.25
Sand, Anthropogenic Material (Urban Fill)	Bentonite
	3
6	
Sand, Clay Organics (Urban Fill)	
9	
	Filter Sand
Sand, Gravel	
20.0	**20.0**
(Bottom of Exploration)	

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock (circle one): Pent.bolt | 9/16" hex. | 1/2" hex. | 7/10" hex.

Height/Depth of top of guard pipe/roadway box above/below ground surface	0.0	ft
Height/Depth of top of riser pipe above/below ground surface	-0.25	ft
Type of protective casing:	Flushmount	
Length	0.58	ft
Depth of bottom of guard pipe/roadway box	0.58	ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.00	0.25
Bentonite Seal	0.25	2.75
Filter Sand	3.00	17.00

Type of riser pipe:	2-inch PVC	
Inside diameter of riser pipe	2.0	in
Depth to top of well screen	10.0	ft
Type of screen	Machine Slotted PVC	
Screen gauge or size of openings	0.010	in
Diameter of screen	2.0	in
Type of backfill around screen	#0 Filter Sand	
Depth of bottom of well screen	20.0	ft
Depth of bottom of borehole	20.0	ft

10 ft	+	10 ft	=	20 ft
Riser Pay Length (L1)		Length of Screen (L2)		Pay length

COMMENTS: bsg - below sidewalk grade; bgs - below grade surface

PERMANENT WELL INSTALLATION REPORT

HALEY ALDRICH

Well No. MW-04
Boring No. SB-04

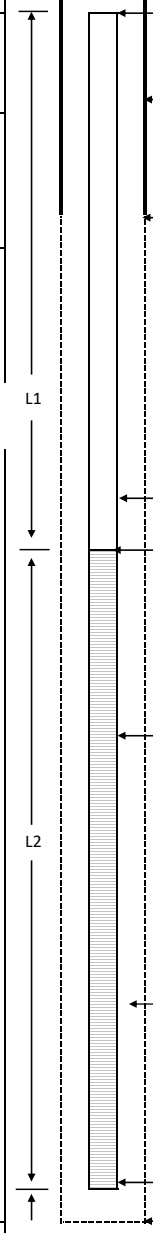
PROJECT	374 Wallabout Street Redevelopment	**H&A FILE NO.**	205892
LOCATION	374 Wallabout Street, Brooklyn, New York	**PROJECT MGR.**	E. Fitzgerald
CLIENT	Joel Fried	**FIELD REP.**	M. Cal, D. Freliech
CONTRACTOR	Lakewood Environmental Services Corp	**DATE INSTALLED**	2/5/2025
DRILLER	T. Kelly	**WATER LEVEL**	8.3 ft bgs or 8.3 ft bsg

Top of Casing El.	12.24	**Location**	See Plan	**Drilling Equipment**	Geoprobe® 6610DT
El. Datum	NAVD88				

Guard Pipe ☑ **Roadway Box** ☐

SOIL CONDITIONS	BOREHOLE BACKFILL
0	0
Concrete	Concrete
0.25	0.25
Sand, Anthropogenic Material (Urban Fill)	Bentonite
	3
6	
Sand, Clay Organics (Urban Fill)	
10	
	Filter Sand
Sand, Gravel	
20.0	**20.0**
(Bottom of Exploration)	

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock (circle one): Pent.bolt | 9/16" hex. | 1/2" hex. | 7/10" hex.

Height/Depth of top of guard pipe/roadway box above/below ground surface	0.0	ft
Height/Depth of top of riser pipe above/below ground surface	-0.25	ft
Type of protective casing:	Flushmount	
Length	0.58	ft
Depth of bottom of guard pipe/roadway box	0.58	ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.00	0.25
Bentonite Seal	0.25	2.75
Filter Sand	3.00	17.00

Type of riser pipe:	2-inch PVC	
Inside diameter of riser pipe	2.0	in
Depth to top of well screen	10.0	ft
Type of screen	Machine Slotted PVC	
Screen gauge or size of openings	0.010	in
Diameter of screen	2.0	in
Type of backfill around screen	#0 Filter Sand	
Depth of bottom of well screen	20.0	ft
Depth of bottom of borehole	20.0	ft

10 ft	+	10 ft	=	20 ft
Riser Pay Length (L1)		Length of Screen (L2)		Pay length

COMMENTS: bsg - below sidewalk grade; bgs - below grade surface

APPENDIX F
Groundwater Sampling Logs

Groundwater Purge/Sample Log
374 Wallabout Street
Brooklyn, NY

LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	374 Wallabout Street Redevelopment (BCP Site No. C224399)	**H&A FILE NO.**	205892
LOCATION	374 Wallabout Street, Brooklyn, New York	**PROJECT MGR.**	E. Scheuerman
CLIENT	Joel Fried	**FIELD REP**	O. Hennigan / D.Freliech
CONTRACTOR	Haley & Aldrich of New York	**DATE**	**2/14/2025**

GROUNDWATER SAMPLING INFORMATION

Well ID: MW-01 **Well Volume (gallons):** 0.82 **Start Time:** 8:42

Well Depth (feet): 9.26 **Equipment:** Peristaltic Pump, Horiba U-52 **Sample Time:** 9:15

Depth to Water (feet): 4.2

Time	Flow Rate (mL/min)	Volume purged, (gallons)	Temp, C (+/-3%)	Conductivity, ms/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/-0.1)	ORP/eH, mv (+/-10mv)	Turbidity, NTU (<5 NTU)	Depth to Water (ft)
8:50	250	0.25	17.62	0.898	9.37	5.92	280	37.5	4.68
8:55	250	0.50	18.38	0.892	9.19	5.87	285	30.0	4.71
9:00	250	0.75	18.49	0.884	9.00	5.85	293	16.0	4.97
9:05	250	1.00	18.43	0.883	8.82	5.97	293	10.0	4.96
9:10	250	1.25	18.48	0.880	8.75	5.99	295	13.8	5.08
9:15	250	1.50	18.52	0.878	8.63	6.02	296	9.9	5.13

Groundwater Purge/Sample Log
374 Wallabout Street
Brooklyn, NY

LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	374 Wallabout Street Redevelopment (BCP Site No. C224399)	**H&A FILE NO.**	205892
LOCATION	374 Wallabout Street, Brooklyn, New York	**PROJECT MGR.**	E. Scheuerman
CLIENT	Joel Fried	**FIELD REP**	O. Hennigan / D.Freliech
CONTRACTOR	Haley & Aldrich of New York	**DATE**	**2/14/2025**

GROUNDWATER SAMPLING INFORMATION

Well ID: MW-02 **Well Volume (gallons):** 0.78 **Start Time:** 10:42

Well Depth (feet): 8.58 **Equipment:** Peristaltic Pump, Horiba U-52 **Sample Time:** 11:45

Depth to Water (feet): 3.79

Time	Flow Rate (ml/min)	Volume purged, (gallons)	Temp, C (+/-3%)	Conductivity, ms/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/-0.1)	ORP/eH, mv (+/-10mv)	Turbidity, NTU (<5 NTU)	Depth to Water (ft)
10:45	250	0.25	17.73	0.784	9.59	5.85	150	37.0	5.27
10:50	250	0.50	17.89	0.773	9.50	5.89	150	39.3	6.03
10:55	250	0.75	17.89	0.773	9.33	6.00	124	52.7	7.89
11:00	250	1.00	18.00	0.773	9.35	6.03	122	45.4	8.35
11:40	250	1.25	17.74	0.787	10.42	5.95	139	24.8	6.52
11:45	250	1.50	18.12	0.801	8.88	6.09	137	24.7	7.70

Groundwater Purge/Sample Log
374 Wallabout Street
Brooklyn, NY

LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	374 Wallabout Street Redevelopment (BCP Site No. C224399)	**H&A FILE NO.**	205892
LOCATION	374 Wallabout Street, Brooklyn, New York	**PROJECT MGR.**	E. Scheuerman
CLIENT	Joel Fried	**FIELD REP**	O. Hennigan / D.Freliech
CONTRACTOR	Haley & Aldrich of New York	**DATE**	**2/14/2025**

GROUNDWATER SAMPLING INFORMATION

Well ID: MW-03 **Well Volume (gallons):** 0.47 **Start Time:** 12:53

Well Depth (feet): 19.78 **Equipment:** Peristaltic Pump, Horiba U-52 **Sample Time:** 13:40

Depth to Water (feet): 8.36

Time	Flow rate (ml/min)	Volume purged (gallons)	Temp, C (+/-3%)	Conductivity, ms/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/-0.1)	ORP/eH, mv (+/-10mv)	Turbidity, NTU (<5 NTU)	Depth to Water (ft)
12:55	375	0.50	13.25	1.09	10.00	5.89	26	1000	8.54
13:00	375	1.00	14.17	1.09	8.79	6.02	6	814	8.74
13:05	375	1.50	14.05	1.09	8.89	6.11	-3	156	8.57
13:10	375	2.00	14.10	1.09	8.65	6.12	-4	132	8.55
13:15	375	2.50	14.22	1.09	8.68	6.13	-8	133	8.56
13:20	375	3.00	14.31	1.09	8.46	6.14	-10	100	8.56
13:25	375	3.50	14.30	1.09	8.33	6.15	-12	55.5	8.57
13:30	375	4.00	14.16	1.09	8.27	6.16	-12	71.2	8.54
13:35	375	4.50	14.08	1.10	8.26	6.17	-14	46	8.55
13:40	375	5.00	14.21	1.10	8.25	6.16	-8	47.1	8.57

Groundwater Purge/Sample Log
374 Wallabout Street
Brooklyn, NY

LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	374 Wallabout Street Redevelopment (BCP Site No. C224399)	**H&A FILE NO.**	205892
LOCATION	374 Wallabout Street, Brooklyn, New York	**PROJECT MGR.**	E. Scheuerman
CLIENT	Joel Fried	**FIELD REP**	O. Hennigan / D.Freliech
CONTRACTOR	Haley & Aldrich of New York	**DATE**	**2/14/2025**

GROUNDWATER SAMPLING INFORMATION

Well ID: MW-04 **Well Volume (gallons):** 0.48 **Start Time:** 14:46

Well Depth (feet): 20.12 **Equipment:** Peristaltic Pump, Horiba U-52 **Sample Time:** 15:30

Depth to Water (feet): 8.31

Time	Flow rate (ml/min)	Volume purged, (gallons)	Temp, C (+/-3%)	Conductivity, ms/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/-0.1)	ORP/eH, mv (+/-10mv)	Turbidity, NTU (<5 NTU)	Depth to Water (ft)
14:50	375	0.5	10.47	0.923	6.61	6.04	0	620	8.45
14:55	375	1.0	11.64	1	7.13	6.2	-14	533	8.42
15:00	375	1.5	11.83	1.01	7.14	6.2	-23	461	8.45
15:05	375	2.0	11.96	1.01	7.04	6.2	-26	416	8.45
15:10	375	2.5	11.89	1.01	7.01	6.21	-30	364	8.46
15:15	375	3.0	11.79	1	6.95	6.45	-32	345	8.46
15:20	375	3.5	11.94	1.01	6.94	6.31	-33	332	8.46
15:25	375	4.0	11.95	1.01	6.75	6.24	-35	305	8.46
15:30	375	4.5	11.91	1.01	6.75	6.24	-36	298	8.46

APPENDIX G
Survey Map

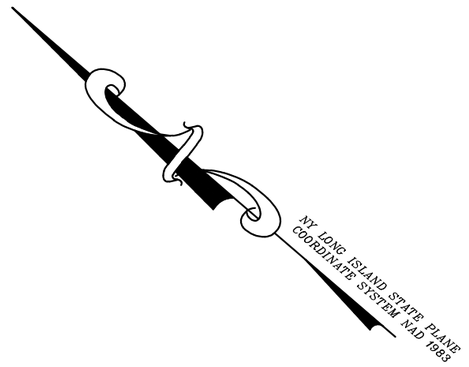
DPK LAND SURVEYING
200 Metroplex Drive Suite-285 Edison, New Jersey 08817
Telephone: 732.764.0100 Fax: 732.764.0990 Email: Jheiser@dpkconsulting.net

For: HALEY & ALDRICH, INC.
Site: 374 WALLABOUT STREET, BROOKLYN, NEW YORK

Date of Survey: February 14, 2025
Project #24-10210 **February 18, 2025**
Horizontal Datum: N.Y. LONG ISLAND STATE PLANE COORDINATE GRID (NAD 83)
Vertical Datum: NAVD 88
BENCHMARK: NYBR BROOKLYN PIER CORS ARP ELEV.=42.13' (NAVD 88)
Additional Information:

	ELEVATIONS			COORDINATES			
MONITORING WELLS	GROUND	RIM	PVC	NORTHING	EASTING	LATITUDE (N)	LONGITUDE (W)
MW-1	7.14 FF	7.25	7.06	195002	998664	40°42'06.84"	73°56'52.85"
MW-2	7.45 FF	7.48	7.27	194972	998674	40°42'06.55"	73°56'52.72"
MW-3	12.26 PAVE	12.27	12.13	194955	998700	40°42'06.38"	73°56'52.39"
MW-4	12.23 PAVE	12.24	12.09	194949	998715	40°42'06.32"	73°56'52.20"





MONITORING WELLS	GROUND	RIM	PVC
MW-1	7.14 FF	7.25	7.06
MW-2	7.45 FF	7.48	7.27
MW-3	12.26 PAVE	12.27	12.13
MW-4	12.23 PAVE	12.24	12.09

NOTES:

1. FIELD WORK PERFORMED ON FEBRUARY 14, 2025.
2. ELEVATION DATUM NAVD 1988 DERIVED USING RTK/KEYNET. NYBR BROOKLYN PIER CORS ARP ELEV.=42.13' (NAVD 88)

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.

GRAPHIC SCALE

30 0 15 30

(IN FEET)
1 inch = 30 ft.

DATE 02/18/2025

James J. Heiser
Professional Land Surveyor
JHEISER@DPKCONSULTING.NET

N.J. Lic: 24GS04331100
PA. Lic: SU075616
N.Y. Lic: 050932-1
CT. Lic: 70476
DE. LIC: S6-0010858

Date: 2/18/2025	Dr.: R.M.	Chk.: C.S.	SCALE: 1" = 30'	JOB No. 24-10210	Dwg: 24-10210 MW01

DPK LAND SURVEYING
DPK LAND SURVEYING, LLC
200 METROPLEX DRIVE - STE. 285, EDISON, NJ 08817
P:732-764-0100 F: 732-764-0990
NEW YORK CERTIFICATE OF AUTHORIZATION NO. 0012585

MONITORING WELL LOCATION MAP

FOR:
HALEY & ALDRICH, INC.
SITE:
374 WALLABOUT STREET
BOROUGH OF BROOKLYN
CITY OF NEW YORK, NEW YORK

S:_Projects\2024\24-10210\CAD\24-10210 MW01.dwg Feb 26, 2025-4:01pm BY:(PeterCavada)

APPENDIX H
Soil Vapor Sampling Logs

SOIL VAPOR SAMPLING LOG

Site:	374 Wallabout Street Redevelopment (BCP Site No. C224383)
Date Collected:	2/6/2025
Personnel:	N. Manzione/ D. Freliech
Weather:	Ice/Snow
Humidity:	92%

Sample ID	Canister ID	3198	Flow Controller ID	Sample Start Time	Canister Start Pressure ("Hg)	Sample End Time	Canister End Pressure ("Hg)	Sample Start Date	Sample Type	Analyses Method
SV-03	2.7L	3198	62722	9:22	-30.38	11:23	-6.5	2/6/2025	SV 8 ft	TO-15
SV-01	2.7L	3194	0377	13:56	-30.24	15:56	-8	2/6/2025	SV 2 ft	TO-15

Notes:

Summas and flow regulators provided by Alpha Analytical Laboratory

Analyses for VOCs by Method TO-15 completed by Alpha Analytical Laboratory

SOIL VAPOR SAMPLING LOG

Site:	374 Wallabout Street Redevelopment (BCP Site No. C224383)
Date Collected:	2/7/2025
Personnel:	M. Cal/ D. Freliech
Weather:	Partly Cloudy
Humidity:	64%

Sample ID	Canister ID	Canister ID	Flow Controller ID	Sample Start Time	Canister Start Pressure ("Hg)	Sample End Time	Canister End Pressure ("Hg)	Sample Start Date	Sample Type	Analyses Method
SV-02	2.7L	4415	02341	8:43	-29.85	10:49	-4.26	2/7/2025	SV 8 ft	TO-15
SV-05	2.7L	2870	02371	8:52	-29.82	10:59	-4.80	2/7/2025	SV 8 ft	TO-15
SV-04	2.7 L	3033	01168	9:42	-30.13	11:49	-4.69	2/7/2025	SV 2 ft	TO-15

Notes:

Summas and flow regulators provided by Alpha Analytical Laboratory

Analyses for VOCs by Method TO-15 completed by Alpha Analytical Laboratory

APPENDIX I
Analytical Laboratory Reports

APPENDIX J
Data Usability Summary Reports

Data Usability Summary Report

Project Name: 374 Wallabout Street

Project Description: Soil, Soil Vapor, and Groundwater Samples

Sample Dates: February 2025

Analytical Laboratory: Pace Analytical – Westborough, MA

Validation Performed by: Eric Hitchens

Validation Reviewed by: Katherine Miller

Validation Date: 14 March 2025

H & A of New York Engineering and Geology, LLP prepared this Data Usability Summary Report (DUSR) to summarize the review and validation of the analytical results for the Sample Delivery Groups (SDGs) listed. This DUSR is organized into the following sections:

1. **Sample Delivery Group Numbers**
2. **Explanations**
3. **Glossary**
4. **Abbreviations**
5. **Qualifiers**

References

This data validation and usability assessment was performed per the guidance and requirements established by the United States Environmental Protection Agency (USEPA) using the following reference materials:

- National Functional Guidelines (NFG) for Inorganic Data Review.
- NFG for Organic Data Review.
- Analysis of Volatile Organic Compounds (VOCs) in Air Contained in Canisters by Method TO-15.
- Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under New York State Department of Environmental Conservation's (NYSDEC's) Part 375 Remedial Programs.

Data reported in this sampling event were reported to the laboratory reporting method detection limit (MDL). Results found between the MDL and reporting limit (RL) are flagged J as estimated.

Sample data were qualified in accordance with the laboratory's standard operating procedures (SOPs). The results presented in each laboratory report were found to be compliant with the data quality objectives (DQOs) for the project and are therefore usable; any exceptions are noted in the following pages and listed below.

1. Sample Delivery Group Numbers

1.1 SAMPLE MANAGEMENT

This DUSR summarizes the review of SDG numbers listed in Table 1A. Samples were collected, preserved, and shipped following standard chain of custody (COC) protocols. Samples were also received appropriately, identified correctly, and analyzed according to the COC. Issues noted with sample management are listed below:

- Custody seals were not used when samples were dropped off at the laboratory or service center by the field staff, submitted to a laboratory-provided courier, or when transported between subcontracted laboratories.

Analyses were performed on the samples listed in Table 1B. Method holding times are listed in Table 1C.

1.2 MULTIPLE SAMPLE RESULTS

The laboratory reported multiple VOCs results for SB-01_13-15 and SB-04_13-15. The laboratory reported multiple percent solids results for multiple samples. The validator chose the results that best met the DQOs of the project and marked the alternative results as not reportable.

1.3 HOLDING TIMES/PRESERVATION

The samples arrived at the laboratory at the proper temperature and were prepared and analyzed within the holding time and preservation criteria specified per method protocol.

1.4 REPORTING LIMITS AND SAMPLE DILUTIONS

All sample dilutions were reviewed and found to be justified.

1.5 REPORTING BASIS (WET/DRY)

Refer to Section E 1.1. Soil data in these SDGs were reported on a dry-weight basis. Percent solid results were reviewed and found to be within limits.

1.6 SURROGATE RECOVERY COMPLIANCE

Refer to Section E 1.2. The percent recovery (%R) for each surrogate compound added to each project sample were determined to be within the laboratory-specified quality control (QC) limits, with the following exceptions:

- In cases where sample dilution factor was ≥ 5x, data was not qualified.
- Any additional exceptions are noted in Table 2 and qualified.

Lists of referenced surrogate target compounds are presented in Attachments A and B.

1.7 EXTRACTION INTERNAL STANDARDS

Refer to Section E 1.16. Recoveries were reviewed and found to be within the limits. Any exceptions are noted in Table 3 and qualified.

1.8 LABORATORY CONTROL SAMPLES

Refer to Section E 1.3. Compounds associated with the laboratory control samples/laboratory control sample duplicate (LCS/LCSD) analyses associated with client samples exhibited recoveries and relative percent differences (RPDs). Any exceptions are noted in Table 4.

1.9 MATRIX SPIKE SAMPLES

Refer to Section E 1.4. The samples listed in Table 5A were used for matrix spike/matrix spike duplicate (MS/MSD) analysis. The MS/MSD recoveries and the relative percent difference (RPD) between the MS and MSD results were within the specified limits. Any exceptions are noted in Table 5B.

1.10 BLANK SAMPLE ANALYSIS

Refer to Section E 1.5. Method blank samples had no detections, indicating that no contamination from laboratory activities occurred, with any exceptions noted in Table 6. The analysis of the blank samples for field quality control had no detections, indicating that no contamination from field activities occurred, with the following exceptions:

- Data was not qualified in cases where affected sample results were ND or >10x the blank result.
- Any additional exceptions were qualified as noted in Table 8.

1.11 DUPLICATE SAMPLE ANALYSIS

Refer to Section E 1.6. The samples listed in Table 7A were used for laboratory duplicate analysis, and the RPDs were all below 20 percent. Any exceptions are noted in Table 7B.

The samples listed in Table 7C were used for field duplicate analysis. RPDs were all below 35 percent for water and 50 percent for soil (or the absolute difference rule was satisfied if detects were less than 5 times the RL). For PFAS, RPDs were below 30% for any detects greater than 2x the RL. Any exceptions were qualified as noted in Table 7D.

1.12 PRECISION AND ACCURACY

Refer to Section E 1.7. Where required by the method, some measurement of analytical accuracy and precision was reported for each method with the site samples.

1.13 CONFIRMATION COLUMN REVIEW

Refer to Section E 1.8. All RPDs were within control limits. Any exceptions were flagged by the laboratory and qualified J/UJ by the validator.

1.14 ESTIMATED MAXIMUM POSSIBLE CONCENTRATION (EMPC)

Refer to Section E 1.9. The laboratory did not report any EMPC flags; therefore, no action is required.

1.15 CLEAN CANISTER CERTIFICATION

The canisters used for the TO-15 sample collection were certified clean by individual can analysis prior to sampling to ensure that no target analytes were present. These analysis sheets were reviewed, and no target analytes were detected in the laboratory-provided canisters.

1.16 PFAS SAMPLE PREPARATION

Refer to Section E 1.14. The laboratory case narratives noted no abnormalities during sample preparation.

1.17 PFAS IDENTIFICATION

Refer to Section E 1.15. Ion ratios could not be reviewed because the laboratory did not provide an ion ratio summary.

1.18 SERIAL DILUTIONS

Refer to Section E 1.23. The %Ds for the serial dilution performed were within the limits required by the USEPA.

1.19 SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

The results presented in this report were found to comply with the DQOs for the project and the guidelines specified by the analytical method. Based on the review of this report, the data are useable and acceptable, as no data was rejected, except for rejected data noted in Table 8. A summary of qualifiers applied to this dataset is shown in Table 8.

2. Explanations

The following explanations include more detailed information regarding each of the sections in the DUSR above. Not all sections in the Explanations are represented:

- E 1.1 Reporting Basis (Wet/Dry)
  - Soil samples can be reported on either a wet (as received) or dry weight basis. Dry weight data indicate calculations were made to compensate for the moisture content of the soil sample.
  - Percent (%) solids should be appropriately considered when evaluating analytical results for non-aqueous samples. Sediments with high moisture content may or may not be successfully analyzed by routine analytical methods. Samples should have greater than or equal to 30 percent solids to be appropriately quantified.
- E 1.2 Surrogate Recovery Compliance
  - Surrogates, also known as system monitoring compounds, are compounds added to each sample prior to sample preparation to determining the efficiency of the extraction procedure by evaluating the %R of the compounds.
- E 1.3 Laboratory Control Samples
  - The LCS/LCSD analyses are used to assess the precision and accuracy of the analytical method independent of matrix interferences.
- E 1.4 Matrix Spike Samples
  - MS/MSD data are used to assess the precision and accuracy of the analytical method and evaluate the effects of the sample matrix on the sample preparation procedures and measurement methodologies.
  - For inorganic methods, when a matrix spike recovery falls outside of the control limits and the sample result is less than four times the spike added, a post-digestion spike (PDS) is performed.
- E 1.5 Blank Sample Analysis
  - Method blanks are prepared by the analytical laboratory and analyzed concurrently with the project samples to assess possible laboratory contamination.
  - Field blanks are prepared to identify contamination that may have been introduced during field activity. Equipment blanks are prepared to identify contamination that may have been introduced while decontaminating sampling equipment. Trip blanks are prepared when volatile analysis is requested to identify contamination that may have been introduced during transport.
- E 1.6 Laboratory and Field Duplicate Sample Analysis
  - The laboratory duplicate sample analysis is used by the laboratory at the time of the analysis to demonstrate acceptable method precision. The RPD or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.

- The field duplicate sample analysis is used to assess the precision of the field sampling procedures and analytical method. The RPD or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.

- E 1.7 Precision and Accuracy
  - Precision measures the reproducibility of repetitive measurements. In a laboratory environment, this will be measured by determining the RPD found between a primary and a duplicate sample. This can be an LCS/LCSD pair, a MS/MSD pair, a laboratory duplicate performed on a site sample, or a field duplicate collected and analyzed concurrently with a site sample.
  - Accuracy is a statistical measurement of the correctness of a measured value and includes components of random error (variability caused by imprecision) and systematic error. In a laboratory environment, this will be measured by determining the %R of certain spiked compounds. This can be assessed using LCS, blank spike (BS), MS, and/or surrogate recoveries.

- E 1.8 Confirmation Column Review
  - When analyzing for pesticides and polychlorinated biphenyls (PCBs), compound identification based on single-column analysis should be confirmed on a second column or supported by at least one other qualitative technique. When confirmed on a second column, the RPD should not exceed 40 percent.

- E 1.9 Estimated Maximum Possible Concentration
  - An Estimated Maximum Possible Concentration (EMPC) is a worst-case estimate of the concentration for a dioxin/furan or PCB based on all identification criteria being met except the ion abundance ratio criteria, or if a peak representing a chlorinated diphenyl ether was detected.

- E 1.14 PFAS Sample Preparation
  - Analysis of PFAS requires specific sample preparation. Aqueous samples must be prepared using SPE, unless samples are known to contain high PFAS concentrations or the samples are injected directly into the LC/MS/MS instrument. Samples with greater than 1 percent solids may require centrifugation prior to SPE. The entire sample plus bottle rinsate must be extracted using SPE. If high PFAS concentrations are known, the samples may alternately be prepared using serial dilution performed in duplicate. If prepared by serial dilution, there must be documented project approval for this deviation.

- E 1.15 PFAS Identification
  - Identification of PFAS requires dual confirmation. The chemical derivation of the ion transitions must be documented. A minimum of two ion transitions per analyte are required (except for PFBA and PFPeA). Ratios of the quantitation ion to the confirmation ion should be calculated for samples and be within 50 to 150 percent of the ratios of the quantitation ion to the confirmation ion for standards.
  - Identification of PFAS also requires the proper assessment of branched and linear peaks. Standards for both isomers are not currently available for every PFAS compound, resulting in the common error of quantifying the area of only the branched or the linear isomers, which results in erroneous concentrations.

- E 1.16 Extraction Internal Standards
  - Analysis of PFAS by isotope dilution includes the use of extracted internal standards, which are stable isotope analogs of the PFAS compounds of interest added to each sample prior to extraction of the sample matrix. Matrix interferences that affect the quantification of the internal standard will affect the calculated target compound concentrations.
- E 1.23 Serial Dilutions
  - Inorganic analysis requires a serial dilution analysis, which determines whether significant physical or chemical interferences exists because of the sample matrix. If the analyte concentration is sufficiently high (concentration in the original sample is > 50x the MDL that is calculated for the sample) the %D between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution should be low.

3. Glossary

*Analyte names may be abbreviated for simplicity. Please reference the laboratory report for the full analyte name.
Not all of the following symbols, acronyms, or qualifiers occur in this document.

- Sample Types:
  - EB Equipment Blank Sample
  - FB Field Blank Sample
  - FD Field Duplicate Sample
  - N Primary Sample
  - TB Trip Blank Sample
- Units:
  - ng/kg nanograms per kilogram
  - µg/kg micrograms per kilogram
  - µg/L micrograms per liter
  - µg/m^3 micrograms per cubic meter
  - mg/kg milligrams per kilogram
  - mg/L milligrams per liter
  - ppb v/v parts per billion volume/volume
  - pCi/L picocuries per liter
  - pg/g picograms per gram
  - pg/L picograms per liter
- Matrices:
  - AA Ambient Air
  - GS Soil Gas
  - GW/WG Groundwater
  - IA Indoor Air
  - SE Sediment
  - SO Soil
  - SSV Sub-slab Vapor
  - ST Solid Waste
  - WQ Water Quality control matrix
  - WS Surface Water
  - WW Waste Water
- Table Footnotes:
  - NA Not applicable
  - ND Non-detect
  - NR Not reported
- Common Symbols:
  - % percent
  - < less than
  - ≤ less than or equal to
  - > greater than
  - ≥ greater than or equal to
  - = equal

  - °C degrees Celsius
  - ± plus or minus
  - ~ approximately
  - x times (multiplier)

- Fractions:
  - N Normal (method cannot be filtered)
  - D Dissolved (filtered)
  - T Total (unfiltered)

4. Abbreviations

%D	Percent Difference
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation
%v/v	Percent volume by volume
2s	2 sigma
4,4-DDT	4 4-dichlorodiphenyltrichloroethane
Abs Diff	Absolute Difference
amu	atomic mass unit
BPJ	Best Professional Judgement
BS	Blank Spike
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CCVL	Continuing Calibration Verification Low
COC	Chain of Custody
COM	Combined Isotope Calculation
Cr (VI)	Hexavalent Chromium
CRI	Collision Reaction Interface
DoD	Department of Defense
DQO	data quality objective
DUSR	Data Usability Summary Report
EIS	Extraction Internal Standard
EMPC	Estimated Maximum Possible Concentration
FBK	Field Blank Contamination
FDP	Field Duplicate
GC	Gas Chromatograph
GC/MS	Gas Chromatography/Mass Spectrometry
GPC	Gel Permeation Chromatography
H_2	Hydrogen gas
HCl	Hydrochloric Acid
ICAL	Initial Calibration
ICB	Initial Calibration Blank
ICP/MS	Inductively Coupled Plasma/Mass Spectrometry
ICV	Initial Calibration Verification
ICVL	Initial Calibration Verification Low
IPA	Isopropyl Alcohol
LC	Laboratory Control
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
MBK	Method Blank Contamination
MDC	Minimum Detectable Concentration
MDL	Laboratory Method Detection Limit
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NA	not applicable
ND	Non-Detect
NFG	National Functional Guidelines
NH_3	Ammonia
NYSDEC	New York State Department of Environmental Conservation
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PDS	Post-Digestion Spike
PEM	Performance Evaluation Mixture
PFAS	Per- and Polyfluoroalkyl Substances
PFBA	Perfluorbutanoic Acid
PFD	Perfluorodecalin
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane sulfonate
PFPeA	Perfluoropentanoic Acid
QAPP	Quality Assurance Project Plan
QC	Quality Control
QSM	Quality Systems Manual
R^2	R-squared value
Ra-226	Radium-226
Ra-228	Radium-228
RESC	Resolution Check Measure
RL	Laboratory Reporting Limit
RPD	Relative Percent Difference
RRF	Relative Response Factor
RT	Retention Time
SAP	Sampling Analysis Plan
SDG	Sample Delivery Group
SIM	Selected ion monitoring
SOP	Standard Operating Procedure
SPE	Solid-Phase Extraction
SVOC	Semi-Volatile Organic Compound
TCLP	Toxicity Characteristic Leaching Procedure
TIC	Tentatively Identified Compound
TKN	Total Kjeldahl Nitrogen
TPH	Total Petroleum Hydrocarbon
TPU	Total Propagated Uncertainty
USEPA	U.S. Environmental Protection Agency
VOC	Volatile Organic Compound
WP	Work Plan

5. Qualifiers

The qualifiers below are from the USEPA NFG and the data in the DUSR may contain these qualifiers:

- Concentration (C) Qualifiers:

  U The compound was analyzed for but not detected. The associated value is either the compound quantitation limit if not detected by the analytical instrument or could be the reported or blank concentration if qualified by blank contamination. This can also be displayed as less than the associated compound quantitation limit (<RL or <MDL), or "ND".

  B The compound was found in the sample and its associated blank. Its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers:

  E The compound was quantitated above the calibration range.

  D The concentration is based on a diluted sample analysis.

- Validation Qualifiers:

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  J+ The result is an estimated quantity, but the result may be biased high.

  J- The result is an estimated quantity, but the result may be biased low.

  J/UJ as listed in exception tables J applies to detected data and UJ applies to non-detected data as reported by the laboratory.

  UJ The compound was not detected. The reported sample quantitation limit is approximate.

  NJ The analysis indicated the presence of a compound for which there is presumptive evidence to make a tentative identification; the associated numerical value is an estimated concentration only.

  R The sample results were rejected as unusable; the compound may or may not be present in the sample.

  S Result is suspect. See DUSR for details.

References

1. New York State Department of Environmental Conservation (NYSDEC), 2023. Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances Under NYSDEC's Part 375 Remedial Programs. April.
2. United States Environmental Protection Agency, 2014. Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15, SOP NO. HW-31, Revision 6. June.
3. United States Environmental Protection Agency, 2020a. National Functional Guidelines for Inorganic Superfund Methods Data Review. EPA-542-R-20-006. November.
4. United States Environmental Protection Agency, 2020b. National Functional Guidelines for Organic Superfund Methods Data Review. EPA-540-R-20-005. November.

Attachments:

Table 1A – Sample Delivery Groups
Table 1B – Sample Information
Table 1C – Method Holding Times
Table 2 – Surrogate Recovery Compliance
Table 3 – Extraction Internal Standards
Table 4 – Laboratory Control Samples
Table 5A – Matrix Spike Samples
Table 5B – Matrix Spike Exceedances
Table 6 – Method Blanks
Table 7A – Laboratory Duplicate Samples
Table 7B – Laboratory Duplicate Exceedances
Table 7C – Field Duplicate Samples
Table 7D – Field Duplicate Exceedances
Table 8 – System Performance Summary

Attachment A – Pace Analytical 8260B Analyte List, Characteristic Mass and Associated Internal Standards
Attachment B – Pace Analytical 8270 Characteristic Ions and Internal Standards Associations

TABLES

TABLE 1A
SAMPLE DELIVERY GROUPS
374 WALLABOUT
BROOKLYN, NEW YORK

Laboratory ID
L2506454
L2506455
L2506753
L2506754
L2506756
L2507043
L2507071
L2507087
L2508519
L2510605

TABLE 1B
SAMPLE INFORMATION
374 WALLABOUT
BROOKLYN, NEW YORK

Sample ID	Sample Type	Laboratory ID	Sample Date	Matrix	Method(s)
SB-03_0-2	N	L2506454-01	02/05/2025	SO	A, B, C, D, E, F, G, H, I
SB-03_3-5	N	L2506454-02	02/05/2025	SO	A, B, C, D, E, F, G, H, I
SB-03_7-9	N	L2506454-03	02/05/2025	SO	A, B, C, D, E, F, G, H, I
SB-03_10-12	N	L2506454-04	02/05/2025	SO	A, B, C, D, E, F, G, H, I
SB-03_13-15	N	L2506454-05	02/05/2025	SO	A, B, C, D, E, F, G, H, I
SB-04_0-2	N	L2506454-06	02/05/2025	SO	A, B, C, D, E, F, G, H, I
SB-04_3-5	N	L2506454-07	02/05/2025	SO	A, B, C, D, E, F, G, H, I
SB-04_7-9	N	L2506454-08	02/05/2025	SO	A, B, C, D, E, F, G, H, I
SB-04_13-15	N	L2506454-10	02/05/2025	SO	A, B, C, D, E, F, G, H, I
SB-05_0-2	N	L2506454-11	02/05/2025	SO	A, B, C, D, E, F, G, H, I
SB-05_3-5	N	L2506454-12	02/05/2025	SO	A, B, C, D, E, F, G, H, I
SB-05_7-9	N	L2506454-13	02/05/2025	SO	A, B, C, D, E, F, G, H, I
SB-05_10-12	N	L2506454-14	02/05/2025	SO	A, B, C, D, E, F, G, H, I
DUP-01_20250205	FD	L2506454-16	02/05/2025	SO	A, B, C, D, E, F, G, H, I
TRIP BLANK-20250205	TB	L2506454-17	02/05/2025	SQ	I
SB-02_6-8	N	L2506753-01	02/06/2025	SO	A, B, C, D, E, F, G, H, I
SB-02_8-10	N	L2506753-02	02/06/2025	SO	A, B, C, D, E, F, G, H, I
SB-02_13-15	N	L2506753-03	02/06/2025	SO	A, B, C, D, E, F, G, H, I
SB-06_6-7	N	L2506753-04	02/06/2025	SO	A, B, C, D, E, F, G, H, I
SB-06_7-9	N	L2506753-05	02/06/2025	SO	A, B, C, D, E, F, G, H, I
SB-06_13-15	N	L2506753-06	02/06/2025	SO	A, B, C, D, E, F, G, H, I
SB-01_6-8	N	L2506753-07	02/06/2025	SO	A, B, C, D, E, F, G, H, I
SB-01_8-10	N	L2506753-08	02/06/2025	SO	A, B, C, D, E, F, G, H, I
SB-01_13-15	N	L2506753-09	02/06/2025	SO	A, B, C, D, E, F, G, H, I
FIELD BLANK_20250206	FB	L2506753-10	02/06/2025	WQ	A, B, C, D, F, G, I, J
TRIP BLANK_20250206	TB	L2506753-11	02/06/2025	SQ	I
SV-03-20250206	N	L2506756-01	02/06/2025	GS	K
SV-01-20250206	N	L2506756-02	02/06/2025	GS	K
SV-02-20250207	N	L2507043-01	02/07/2025	GS	K
SV-05-20250207	N	L2507043-02	02/07/2025	GS	K
SV-04-20250207	N	L2507043-03	02/07/2025	GS	K
SB-04_10-12	N	L2507071-01	02/07/2025	SO	A, B, C, D, E, F, G, H, I
DUP-02_20250207	FD	L2507071-02	02/07/2025	SO	A, B, C, D, E, F, G, H, I
TRIP BLANK-20250207	TB	L2507071-03	02/07/2025	SQ	I
FB-01_20250214	FB	L2508519-01	02/14/2025	WQ	A, B, C, D, G, I, J, L, M, N
TB-01_20250214	TB	L2508519-02	02/14/2025	WQ	I
MW-01_20250214	N	L2508519-03	02/14/2025	WG	A, B, C, D, G, I, J, L, M, N
DUP-01_20250214	FD	L2508519-04	02/14/2025	WG	A, B, C, D, G, I, J, L, M, N
MW-02_20250214	N	L2508519-05	02/14/2025	WG	A, B, C, D, G, I, J, L, M, N
MW-03_20250214	N	L2508519-06	02/14/2025	WG	A, B, C, D, G, I, J, L, M, N
MW-04_20250214	N	L2508519-07	02/14/2025	WG	A, B, C, D, G, I, J, L, M, N
SB-01_6-8	N	L2510605-01	02/06/2025	SO	O
SB-03_0-2	N	L2510605-02	02/05/2025	SO	O
SB-03_3-5	N	L2510605-03	02/05/2025	SO	O
SB-03_7-9	N	L2510605-04	02/05/2025	SO	O
SB-04_0-2	N	L2510605-05	02/05/2025	SO	O
SB-04_3-5	N	L2510605-06	02/05/2025	SO	O
SB-05_0-2	N	L2510605-07	02/05/2025	SO	O
SB-05_3-5	N	L2510605-08	02/05/2025	SO	O
SB-05_7-9	N	L2510605-09	02/05/2025	SO	O
SB-05_10-12	N	L2510605-10	02/05/2025	SO	O
SB-03_0-2	N	L2506455-01	02/05/2025	SO	M, E
SB-03_3-5	N	L2506455-02	02/05/2025	SO	M, E
SB-03_7-9	N	L2506455-03	02/05/2025	SO	M, E
SB-03_10-12	N	L2506455-04	02/05/2025	SO	M, E
SB-03_13-15	N	L2506455-05	02/05/2025	SO	M, E
SB-04_0-2	N	L2506455-06	02/05/2025	SO	M, E
SB-04_3-5	N	L2506455-07	02/05/2025	SO	M, E
SB-04_7-9	N	L2506455-08	02/05/2025	SO	M, E
SB-04_13-15	N	L2506455-10	02/05/2025	SO	M, E
SB-05_0-2	N	L2506455-11	02/05/2025	SO	M, E
SB-05_3-5	N	L2506455-12	02/05/2025	SO	M, E
SB-05_7-9	N	L2506455-13	02/05/2025	SO	M, E
SB-05_10-12	N	L2506455-14	02/05/2025	SO	M, E
DUP-01_20250205	FD	L2506455-16	02/05/2025	SO	M, E
SB-02_6-8	N	L2506754-01	02/06/2025	SO	M
SB-02_8-10	N	L2506754-02	02/06/2025	SO	M

TABLE 1B
SAMPLE INFORMATION
374 WALLABOUT
BROOKLYN, NEW YORK

Sample ID	Sample Type	Laboratory ID	Sample Date	Matrix	Method(s)
SB-02_13-15	N	L2506754-03	02/06/2025	SO	M, E
SB-06_6-7	N	L2506754-04	02/06/2025	SO	M
SB-06_7-9	N	L2506754-05	02/06/2025	SO	M
SB-06_13-15	N	L2506754-06	02/06/2025	SO	M, E
SB-01_6-8	N	L2506754-07	02/06/2025	SO	M
SB-01_8-10	N	L2506754-08	02/06/2025	SO	M, E
SB-01_13-15	N	L2506754-09	02/06/2025	SO	M, E
FIELD BLANK_20250206	FB	L2506754-10	02/06/2025	WQ	M
SB-04_10-12	N	L2507087-01	02/07/2025	SO	M, E
DUP-02_20250207	FD	L2507087-02	02/07/2025	SO	M, E

TABLE 1C
METHOD HOLDING TIMES
374 WALLABOUT
BROOKLYN, NEW YORK

Letter Code	Method	Description	Holding Time(s)
A	SW8081B	Organochlorine Pesticides	14 days extraction / 40 days analysis for solid, unpreserved, 7 days extraction / 40 days analysis for liquid, unpreserved
B	SW8082A	Polychlorinated Biphenyls (PCBs)	1 year extraction / 40 days analysis for solid, unpreserved, 1 year extraction / 40 days analysis for liquid, unpreserved
C	SW8270E	Semivolatile Organic Compounds (SVOCs)	14 days extraction / 40 days analysis for solid, unpreserved, 7 days extraction / 40 days analysis for liquid, unpreserved
D	SW9012B	Cyanide, Total	14 days for solid unpreserved, 14 days for liquid unpreserved
E	SM2540G	Total Solids	7 days for solid unpreserved
F/O	SW6010D	Metals	180 days for solid unpreserved, 180 days for liquid, preserved
G	SW7196A	Hexavalent Chromium	30 days extraction / 7 days analysis for solid, preserved 30 days extraction / 24 hours analysis for solid, unpreserved, 28 days for liquid, preserved 24 hours for liquid unpreserved
H	SW7471B	Mercury (in Solids)	28 days for solid unpreserved
I	SW8260D	Volatile Organic Compounds (VOCs)	14 days for solid, preserved 14 days for solid unpreserved, 14 days for liquid, preserved 7 days for liquid unpreserved
J	SW7470A	Mercury (in Liquids)	28 days for liquid, preserved
K	TO15	Volatile Organic Compounds (VOCs) in Air	30 days for air unpreserved
L	SW8270ESIM	Semivolatile Organic Compounds (SVOCs) SIM	7 days extraction / 40 days analysis for liquid, unpreserved
M	E1633	Per- and Polyfluoroalkyl Substances (PFAS)	28 days extraction / 28 days analysis for liquid, 28 days extraction / 40 days for solid
N	SW6020B	Metals	180 days for liquid, preserved

SDG	Method	Sample ID	Lab ID	Analyte	%R	Dilution	Qualification	Affected Sample(s)
L2508519	SW8081B	DUP-01_20250214	L2508519-04	(PCB 209) Decachlorobiphenyl	29	1	J-/UJ target compounds	DUP-01_20250214
L2508519	SW8082A	FB-01_20250214	L2508519-01	(PCB 209) Decachlorobiphenyl	28	1	J-/UJ target compounds	FB-01_20250214
L2508519	SW8081B	MW-01_20250214	L2508519-03	(PCB 209) Decachlorobiphenyl	29	1	J-/UJ target compounds	MW-01_20250214
L2508519	SW8081B	MW-02_20250214	L2508519-05	(PCB 209) Decachlorobiphenyl	27	1	J-/UJ target compounds	MW-02_20250214
L2508519	SW8082A	MW-02_20250214	L2508519-05	(PCB 209) Decachlorobiphenyl	29	1	J-/UJ target compounds	MW-02_20250214
L2508519	SW8081B	MW-03_20250214	L2508519-06	(PCB 209) Decachlorobiphenyl	27	1	J-/UJ target compounds	MW-03_20250214
L2508519	SW8081B	MW-03_20250214	L2508519-06	Tetrachloro-m-xylene	25	1	J-/UJ target compounds	MW-03_20250214
L2508519	SW8081B	MW-04_20250214	L2508519-07	(PCB 209) Decachlorobiphenyl	29	1	J-/UJ target compounds	MW-04_20250214
L2506753	SW8081B	SB-01_8-10	L2506753-08	(PCB 209) Decachlorobiphenyl	186	1	J+/None target compounds	SB-04_10-12
L2506753	SW8081B	SB-01_8-10	L2506753-08	Tetrachloro-m-xylene	166	1	J+/None target compounds	SB-04_10-12
L2506753	SW8260D	SB-01_13-15	L2506753-09	1,2-Dichloroethane-d4	209	1	J+/None target compounds	SB-01_13-15
L2506753	SW8260D	SB-01_13-15	L2506753-09	Dibromofluoromethane	138	1	J+/None target compounds	SB-01_13-15
L2506753	SW8270E	SB-01_6-8	L2506753-07	2-Fluorophenol	122	1	J+/None target compounds	SB-06_7-9
L2506753	SW8270E	SB-01_8-10	L2506753-08	2-Fluorophenol	135	1	J+/None target compounds	SB-06_7-9
L2506753	SW8270E	SB-02_6-8	L2506753-01	2-Fluorophenol	132	1	J+/None target compounds	SB-06_7-9
L2506753	SW8270E	SB-02_8-10	L2506753-02	2-Fluorophenol	137	1	J+/None target compounds	SB-06_7-9
L2506454	SW8270E	SB-04_7-9	L2506454-08	2-Fluorophenol	121	1	J+/None target compounds	SB-01_6-8
L2506753	SW8270E	SB-06_6-7	L2506753-04	2-Fluorophenol	137	1	J+/None target compounds	SB-01_6-8
L2506753	SW8270E	SB-06_7-9	L2506753-05	2-Fluorophenol	147	1	J+/None target compounds	SB-01_6-8
L2506753	SW8081B	SB-01_8-10	L2506753-08	(PCB 209) Decachlorobiphenyl	164	1	J+/None target compounds	SB-01_8-10
L2506753	SW8081B	SB-01_8-10	L2506753-08	Tetrachloro-m-xylene	164	1	J+/None target compounds	SB-01_8-10
L2506753	SW8081B	SB-02_6-8	L2506753-01	Tetrachloro-m-xylene	295	1	J+/None target compounds	SB-01_8-10
L2507071	SW8081B	SB-04_10-12	L2507071-01	(PCB 209) Decachlorobiphenyl	6	1	J-/R target compounds	SB-01_8-10
L2507071	SW8081B	SB-04_10-12	L2507071-01	Tetrachloro-m-xylene	5	1	J-/R target compounds	SB-04_7-9
L2506454	SW8081B	SB-04_7-9	L2506454-08	(PCB 209) Decachlorobiphenyl	6	1	J-/R target compounds	SB-04_7-9
L2506753	SW8270E	SB-01_6-8	L2506753-07	Nitrobenzene-D5	123	1	J+/None target compounds	SB-05_0-2
L2506454	SW8081B	SB-04_7-9	L2506454-08	Tetrachloro-m-xylene	11	1	J-/UJ target compounds	SB-02_6-8
L2506753	SW8270E	SB-01_8-10	L2506753-08	Nitrobenzene-D5	142	1	J+/None target compounds	SB-02_6-8
L2506753	SW8270E	SB-02_8-10	L2506753-02	Nitrobenzene-D5	134	1	J+/None target compounds	SB-02_6-8
L2506753	SW8270E	SB-06_6-7	L2506753-04	Nitrobenzene-D5	133	1	J+/None target compounds	SB-02_8-10
L2506753	SW8270E	SB-06_7-9	L2506753-05	Nitrobenzene-D5	143	1	J+/None target compounds	SB-02_8-10
L2506753	SW8270E	SB-01_6-8	L2506753-07	Phenol-d6	122	1	J+/None target compounds	SB-02_8-10
L2506753	SW8270E	SB-01_8-10	L2506753-08	Phenol-d6	137	1	J+/None target compounds	SB-02_8-10
L2506753	SW8270E	SB-02_6-8	L2506753-01	Phenol-d6	138	1	J+/None target compounds	SB-06_6-7
L2506753	SW8270E	SB-02_8-10	L2506753-02	Phenol-d6	129	1	J+/None target compounds	SB-06_6-7
L2506753	SW8270E	SB-06_6-7	L2506753-04	Phenol-d6	126	1	J+/None target compounds	SB-06_6-7
L2506753	SW8081B	SB-06_7-9	L2506753-05	(PCB 209) Decachlorobiphenyl	159	1	J+/None target compounds	SB-06_7-9
L2506753	SW8270E	SB-06_7-9	L2506753-05	Phenol-d6	139	1	J+/None target compounds	SB-01_8-10
L2506753	SW8270E	SB-01_8-10	L2506753-08	p-Terphenyl-d14	130	1	J+/None target compounds	SB-01_8-10
L2506753	SW8270E	SB-02_8-10	L2506753-02	p-Terphenyl-d14	122	1	J+/None target compounds	SB-01_8-10
L2506454	SW8270E	SB-04_7-9	L2506454-08	p-Terphenyl-d14	121	1	J+/None target compounds	SB-01_8-10
L2506454	SW8270E	SB-05_0-2	L2506454-11	p-Terphenyl-d14	123	1	J+/None target compounds	SB-04_7-9
L2506753	SW8270E	SB-06_7-9	L2506753-05	p-Terphenyl-d14	131	1	J+/None target compounds	SB-04_7-9
L2506754	E1633	SB-02_6-8	L2506754-01	N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	148%	1	UJ	SB-02_6-8
L2506455	E1633	SB-03_3-5	L2506455-02	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	136%	1	UJ	SB-03_3-5
L2506455	E1633	SB-03_3-5	L2506455-02	N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	161%	1	UJ	SB-03_3-5
L2506455	E1633	SB-04_3-5	L2506455-07	N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	159%	1	UJ	SB-04_3-5
L2506455	E1633	DUP-01_20250205	L2506455-16	N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	152%	1	UJ	DUP-01_20250205
L2506455	E1633	SB-05_7-9	L2506455-13	N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	140%	1	UJ	SB-05_7-9

TABLE 3
EXTRACTION INTERNAL STANDARDS
374 WALLABOUT
BROOKLYN, NEW YORK

SDG	Method	Sample ID	Lab ID	Analyte	%R	Dilution	Qualification	Affected Sample(s)
L2506754	E1633	SB-02_6-8	L2506754-01	N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	148%	1	UJ	SB-02_6-8
L2506455	E1633	SB-03_3-5	L2506455-02	Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	136%	1	UJ	SB-03_3-5
L2506455	E1633	SB-03_3-5	L2506455-02	N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	161%	1	UJ	SB-03_3-5
L2506455	E1633	SB-04_3-5	L2506455-07	N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	159%	1	UJ	SB-04_3-5
L2506455	E1633	DUP-01_20250205	L2506455-16	N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	152%	1	UJ	DUP-01_20250205
L2506455	E1633	SB-05_7-9	L2506455-13	N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	140%	1	UJ	SB-05_7-9
L2508519	E1633	MW-02_20250214	L2508519-05	1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (13C2-4:2 FTS)	207	1	J	MW-02_20250214
L2508519	E1633	MW-03_20250214	L2508519-06	1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (13C2-4:2 FTS)	263	1	J	MW-03_20250214
L2508519	E1633	MW-04_20250214	L2508519-07	1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (13C2-4:2 FTS)	259	1	J	MW-04_20250214
L2508519	E1633	MW-03_20250214	L2508519-06	1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (13C2-6:2 FTS)	301	1	J	MW-03_20250214
L2508519	E1633	MW-04_20250214	L2508519-07	1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (13C2-6:2 FTS)	260	1	J	MW-04_20250214

TABLE 4
LABORATORY CONTROL SAMPLES
374 WALLABOUT
BROOKLYN, NEW YORK

SDG	Sample Type	Method	Batch ID	Analyte	%R/RPD	Qualifier	Affected Samples
L2508519	LCS	SW8270E	WG2031561	Benzoic acid	0%	J-/R	DUP-01_20250214, FB-01_20250214, MW-01_20250214, MW-02_20250214, MW-03_20250214, MW-04_20250214
L2508519	LCSD	SW8270E	WG2031561	Benzoic acid	0%/-999	J-/R	DUP-01_20250214, FB-01_20250214, MW-01_20250214, MW-02_20250214, MW-03_20250214, MW-04_20250214

TABLE 5A
MATRIX SPIKE SAMPLES
374 WALLABOUT
BROOKLYN, NEW YORK

Lab Sample Number	Matrix Spike/Matrix Spike Duplicate Sample Client ID	Method(s)
WG2030530-4-MS	MW-03_20250214	SW7196A
WG2030530-5-SD	MW-03_20250214	SW7196A
WG2030752-8-MS	MW-03_20250214	SW8270ESIM
WG2030752-9-SD	MW-03_20250214	SW8270ESIM
WG2030836-7-MS	MW-03_20250214	SW6020B
WG2030836-8-SD	MW-03_20250214	SW6020B
WG2030838-5-MS	MW-03_20250214	SW7470A
WG2030838-6-SD	MW-03_20250214	SW7470A
WG2030908-4-MS	MW-03_20250214	SW9012B
WG2030908-5-SD	MW-03_20250214	SW9012B
WG2031149-4-MS	MW-03_20250214	SW8082A
WG2031149-5-SD	MW-03_20250214	SW8082A
WG2031307-3-MS	MW-03_20250214	SW6020B
WG2031307-4-SD	MW-03_20250214	SW6020B
WG2031313-3-MS	MW-03_20250214	SW7470A
WG2031313-4-SD	MW-03_20250214	SW7470A
WG2031405-6-MS	MW-03_20250214	SW8081B
WG2031405-7-SD	MW-03_20250214	SW8081B
WG2031614-4-MS	MW-03_20250214	SW8270E
WG2031614-5-SD	MW-03_20250214	SW8270E
WG2031616-4-MS	MW-03_20250214	SW8270ESIM
WG2031616-5-SD	MW-03_20250214	SW8270ESIM
WG2032307-6-MS	MW-03_20250214	SW8260D
WG2032307-7-SD	MW-03_20250214	SW8260D
WG2033637-6-MS	MW-03_20250214	E1633
WG2033637-7-SD	MW-03_20250214	E1633
WG2030872-4-MS	SB-06_6-7	E1633
WG2030872-5-SD	SB-06_6-7	E1633
WG2030872-6-MS	SB-01_6-8	E1633
WG2030872-7-SD	SB-01_6-8	E1633

TABLE 5B
MATRIX SPIKE EXCEEDANCES
374 WALLABOUT
BROOKLYN, NEW YORK

SDG	Sample Type	Method	Parent Sample	Analyte	Dilution	%R	Qualifiers	Explanation	Affected Sample
L2508519	MS	SW8260D	MW-03_20250214	cis-1,2-Dichloroethene	1	60	NA	None, native sample > 4x the spike added	MW-03_20250214
L2508519	MS	SW8260D	MW-03_20250214	trans-1,4-Dichloro-2-butene	1	52	J/UJ	%R below acceptance limits	MW-03_20250214
L2508519	MSD	SW8260D	MW-03_20250214	trans-1,4-Dichloro-2-butene	1	61	J/UJ	%R below acceptance limits	MW-03_20250214

TABLE 6
METHOD BLANKS
374 WALLABOUT
BROOKLYN, NEW YORK

Blank Type	Batch ID	Analyte Detected in Blank	Concentration	Qualifier	Affected Samples
Method Blank	WG2027771	Chromium VI (Hexavalent)	0.25 J	J+	SB-04_3-5
Method Blank	WG2027771	Chromium VI (Hexavalent)	0.25 J	RL U	SB-03_10-12, SB-04_7-9, SB-05_0-2, SB-05_3-5
Method Blank	WG2028369	Chromium VI (Hexavalent)	0.2 J	RL U	SB-01_8-10, SB-02_6-8, SB-02_8-10, SB-06_6-7, SB-06_7-9
Method Blank	WG2028370	Chromium VI (Hexavalent)	0.2 J	RL U	SB-01_6-8
Method Blank	WG2029460	Chromium VI (Hexavalent)	0.2 J	RL U	DUP-02_20250207, SB-04_10-12
Method Blank	WG2032313	Perfluorohexanesulfonic acid (PFHxS)	0.208 J	None	None, sample is ND
Method Blank	WG2033680	Perfluorohexanesulfonic acid (PFHxS)	0.328 J	J+	MW-02_20250214, MW-04_20250214

TABLE 7A

LABORATORY DUPLICATE SAMPLES
374 WALLABOUT
BROOKLYN, NEW YORK

SDG	Lab Duplicate:	Laboratory Duplicate Client Sample ID	Method(s)
L2508519	WG2030530-3-DUP	MW-03_20250214	SW7196A
L2506454	WG2027771-6-DUP	SB-03_0-2	SW7196A
L2506454	WG2027775-6-DUP	DUP-01_20250205	SW7196A
L2506454	WG2028978-4-DUP	SB-03_0-2	SW6010D
L2506454	WG2028979-4-DUP	SB-03_0-2	SW7471B
L2506454	WG2029024-4-DUP	SB-03_7-9	SW7471B
L2506454	WG2029798-4-DUP	SB-03_13-15	SW6010D
L2506454	WG2029802-4-DUP	SB-03_13-15	SW7471B
L2506753	WG2027853-3-DUP	FIELD BLANK_20250206	SW7196A
L2506753	WG2028369-7-DUP	SB-06_6-7	SW7196A
L2506753	WG2028370-7-DUP	SB-01_6-8	SW7196A
L2506753	WG2029948-6-DUP	SB-01_13-15	SW7196A
L2507071	WG2029460-6-DUP	DUP-02_20250207	SW7196A

TABLE 7B

LABORATORY DUPLICATE EXCEEDANCES

374 WALLABOUT

BROOKLYN, NEW YORK

SDG	Lab ID	Client Sample ID	Analyte	RPD	Qualification
L2506454	WG2028978-4-DUP	SB-03_0-2	Barium	62	J/UJ all samples of matrix SOQ in SDG L2506454
L2506454	WG2028978-4-DUP	SB-03_0-2	Lead	38	J/UJ all samples of matrix SOQ in SDG L2506454
L2506454	WG2029024-4-DUP	SB-03_7-9	Mercury	29	J/UJ all samples of matrix SOQ in SDG L2506454
L2506454	WG2029798-4-DUP	SB-03_13-15	Arsenic	25	J/UJ all samples of matrix SOQ in SDG L2506454
L2506454	WG2029798-4-DUP	SB-03_13-15	Iron	27	J/UJ all samples of matrix SOQ in SDG L2506454
L2506454	WG2029798-4-DUP	SB-03_13-15	Manganese	25	J/UJ all samples of matrix SOQ in SDG L2506454
L2506454	WG2029798-4-DUP	SB-03_13-15	Nickel	30	J/UJ all samples of matrix SOQ in SDG L2506454
L2506454	WG2029798-4-DUP	SB-03_13-15	Vanadium	21	J/UJ all samples of matrix SOQ in SDG L2506454

TABLE 7C
FIELD DUPLICATE SAMPLES
374 WALLABOUT
BROOKLYN, NEW YORK

Location	Primary Sample ID	Duplicate Sample ID	Methods
MW-01	MW-01_20250214	DUP-01_20250214	E1633, EPA 6020B, EPA 7196A, EPA 7470A, EPA 8081B, EPA 8082A, EPA 8260D, EPA 8270E, EPA 8270ESIM, EPA 9012B
SB-04	SB-04_10-12	DUP-02_20250207	SM 2540G, EPA 6010D, EPA 7196A, EPA 7471B, EPA 8081B, EPA 8082A, EPA 8260D, EPA 8270E, EPA 9012B, EPA 1633
SB-03	SB-03_10-12	DUP-01_20250205	SM 2540G, EPA 6010D, EPA 7196A, EPA 7471B, EPA 8081B, EPA 8082A, EPA 8260D, EPA 8270E, EPA 9012B, EPA 1633

TABLE 7D
FIELD DUPLICATE EXCEEDANCES
374 WALLABOUT
BROOKLYN, NEW YORK

	Primary Sample ID	Duplicate ID		
Chemical Name	**MW-01_20250214**	**DUP-01_20250214**	**RPD**	**Qualifiers**
Iron, Total	0.208	0.134	NA	J/UJ, Abs. Diff. > RL
Aluminum, Dissolved	0.143	0.0973	38	J/UJ, RPD>35
Chemical Name	**SB-04_10-12**	**DUP-02_20250207**	**RPD**	**Qualifiers**
Zinc	23.8	15.1	NA	J/UJ, Abs. Diff. > RL
Barium	41	20.3	68	J/UJ, RPD>50
Calcium	1020	594	53	J/UJ, RPD>50
Chemical Name	**SB-03_10-12**	**DUP-01_20250205**	**RPD**	**Qualifiers**
Barium	22	12.1	58	J/UJ, RPD>50

TABLE 8
SYSTEM PERFORMANCE SUMMARY
374 WALLABOUT
BROOKLYN, NEW YORK

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2506454	SW6010D	Dry	DUP-01_20250205	L2506454-16	Arsenic	N	Yes	1.12	1.12 J	DUP
L2506454	SW6010D	Dry	DUP-01_20250205	L2506454-16	Iron	N	Yes	18100	18100 J	DUP
L2506454	SW6010D	Dry	DUP-01_20250205	L2506454-16	Lead	N	Yes	2.28 J	2.28 J	DUP
L2506454	SW6010D	Dry	DUP-01_20250205	L2506454-16	Manganese	N	Yes	48	48 J	DUP
L2506454	SW6010D	Dry	DUP-01_20250205	L2506454-16	Nickel	N	Yes	6.35	6.35 J	DUP
L2506454	SW6010D	Dry	DUP-01_20250205	L2506454-16	Vanadium	N	Yes	14.6	14.6 J	DUP
L2506454	SW7471B	Dry	DUP-01_20250205	L2506454-16	Mercury	N	Yes	U	UJ	DUP
L2506454	SW6010D	Dry	SB-03_0-2	L2506454-01	Arsenic	N	Yes	8.2	8.2 J	DUP
L2506454	SW6010D	Dry	SB-03_0-2	L2506454-01	Barium	N	Yes	221	221 J	DUP
L2506454	SW6010D	Dry	SB-03_0-2	L2506454-01	Iron	N	Yes	13600	13600 J	DUP
L2506454	SW6010D	Dry	SB-03_0-2	L2506454-01	Lead	N	Yes	656	656 J	DUP
L2506454	SW6010D	Dry	SB-03_0-2	L2506454-01	Manganese	N	Yes	164	164 J	DUP
L2506454	SW6010D	Dry	SB-03_0-2	L2506454-01	Nickel	N	Yes	11.2	11.2 J	DUP
L2506454	SW6010D	Dry	SB-03_0-2	L2506454-01	Vanadium	N	Yes	22.8	22.8 J	DUP
L2506454	SW7471B	Dry	SB-03_0-2	L2506454-01	Mercury	N	Yes	1.88	1.88 J	DUP
L2506454	SW6010D	Dry	SB-03_10-12	L2506454-04	Arsenic	N	Yes	1.97	1.97 J	DUP
L2506454	SW6010D	Dry	SB-03_10-12	L2506454-04	Iron	N	Yes	21500	21500 J	DUP
L2506454	SW6010D	Dry	SB-03_10-12	L2506454-04	Lead	N	Yes	3.34 J	3.34 J	DUP
L2506454	SW6010D	Dry	SB-03_10-12	L2506454-04	Manganese	N	Yes	54.2	54.2 J	DUP
L2506454	SW6010D	Dry	SB-03_10-12	L2506454-04	Nickel	N	Yes	7.71	7.71 J	DUP
L2506454	SW6010D	Dry	SB-03_10-12	L2506454-04	Vanadium	N	Yes	16.7	16.7 J	DUP
L2506454	SW7471B	Dry	SB-03_10-12	L2506454-04	Mercury	N	Yes	U	UJ	DUP
L2506454	SW6010D	Dry	SB-03_13-15	L2506454-05	Arsenic	N	Yes	0.914	0.914 J	DUP
L2506454	SW6010D	Dry	SB-03_13-15	L2506454-05	Barium	N	Yes	8.71	8.71 J	DUP
L2506454	SW6010D	Dry	SB-03_13-15	L2506454-05	Iron	N	Yes	20600	20600 J	DUP
L2506454	SW6010D	Dry	SB-03_13-15	L2506454-05	Lead	N	Yes	1.73 J	1.73 J	DUP
L2506454	SW6010D	Dry	SB-03_13-15	L2506454-05	Manganese	N	Yes	37.6	37.6 J	DUP
L2506454	SW6010D	Dry	SB-03_13-15	L2506454-05	Nickel	N	Yes	4.7	4.7 J	DUP
L2506454	SW6010D	Dry	SB-03_13-15	L2506454-05	Vanadium	N	Yes	11.3	11.3 J	DUP
L2506454	SW7471B	Dry	SB-03_13-15	L2506454-05	Mercury	N	Yes	U	UJ	DUP
L2506454	SW6010D	Dry	SB-03_3-5	L2506454-02	Arsenic	N	Yes	10.4	10.4 J	DUP
L2506454	SW6010D	Dry	SB-03_3-5	L2506454-02	Barium	N	Yes	259	259 J	DUP
L2506454	SW6010D	Dry	SB-03_3-5	L2506454-02	Iron	N	Yes	14000	14000 J	DUP
L2506454	SW6010D	Dry	SB-03_3-5	L2506454-02	Lead	N	Yes	505	505 J	DUP
L2506454	SW6010D	Dry	SB-03_3-5	L2506454-02	Manganese	N	Yes	218	218 J	DUP
L2506454	SW6010D	Dry	SB-03_3-5	L2506454-02	Nickel	N	Yes	13.8	13.8 J	DUP
L2506454	SW6010D	Dry	SB-03_3-5	L2506454-02	Vanadium	N	Yes	25	25 J	DUP
L2506454	SW7471B	Dry	SB-03_3-5	L2506454-02	Mercury	N	Yes	1.36	1.36 J	DUP
L2506454	SW6010D	Dry	SB-03_7-9	L2506454-03	Arsenic	N	Yes	2.49	2.49 J	DUP
L2506454	SW6010D	Dry	SB-03_7-9	L2506454-03	Barium	N	Yes	48.2	48.2 J	DUP
L2506454	SW6010D	Dry	SB-03_7-9	L2506454-03	Iron	N	Yes	18600	18600 J	DUP
L2506454	SW6010D	Dry	SB-03_7-9	L2506454-03	Lead	N	Yes	454	454 J	DUP
L2506454	SW6010D	Dry	SB-03_7-9	L2506454-03	Manganese	N	Yes	74	74 J	DUP
L2506454	SW6010D	Dry	SB-03_7-9	L2506454-03	Nickel	N	Yes	7.58	7.58 J	DUP
L2506454	SW6010D	Dry	SB-03_7-9	L2506454-03	Vanadium	N	Yes	12.5	12.5 J	DUP
L2506454	SW7471B	Dry	SB-03_7-9	L2506454-03	Mercury	N	Yes	0.399	0.399 J	DUP
L2506454	SW6010D	Dry	SB-04_0-2	L2506454-06	Arsenic	N	Yes	6.81	6.81 J	DUP
L2506454	SW6010D	Dry	SB-04_0-2	L2506454-06	Barium	N	Yes	181	181 J	DUP

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2506454	SW6010D	Dry	SB-04_0-2	L2506454-06	Iron	N	Yes	6560	6560 J	DUP
L2506454	SW6010D	Dry	SB-04_0-2	L2506454-06	Lead	N	Yes	301	301 J	DUP
L2506454	SW6010D	Dry	SB-04_0-2	L2506454-06	Manganese	N	Yes	123	123 J	DUP
L2506454	SW6010D	Dry	SB-04_0-2	L2506454-06	Nickel	N	Yes	8.85	8.85 J	DUP
L2506454	SW6010D	Dry	SB-04_0-2	L2506454-06	Vanadium	N	Yes	18.1	18.1 J	DUP
L2506454	SW7471B	Dry	SB-04_0-2	L2506454-06	Mercury	N	Yes	3.06	3.06 J	DUP
L2506454	SW6010D	Dry	SB-04_13-15	L2506454-10	Arsenic	N	Yes	1.37	1.37 J	DUP
L2506454	SW6010D	Dry	SB-04_13-15	L2506454-10	Barium	N	Yes	16.5	16.5 J	DUP
L2506454	SW6010D	Dry	SB-04_13-15	L2506454-10	Iron	N	Yes	12600	12600 J	DUP
L2506454	SW6010D	Dry	SB-04_13-15	L2506454-10	Lead	N	Yes	10.1	10.1 J	DUP
L2506454	SW6010D	Dry	SB-04_13-15	L2506454-10	Manganese	N	Yes	102	102 J	DUP
L2506454	SW6010D	Dry	SB-04_13-15	L2506454-10	Nickel	N	Yes	10.3	10.3 J	DUP
L2506454	SW6010D	Dry	SB-04_13-15	L2506454-10	Vanadium	N	Yes	22.3	22.3 J	DUP
L2506454	SW7471B	Dry	SB-04_13-15	L2506454-10	Mercury	N	Yes	U	UJ	DUP
L2506454	SW6010D	Dry	SB-04_3-5	L2506454-07	Arsenic	N	Yes	6.2	6.2 J	DUP
L2506454	SW6010D	Dry	SB-04_3-5	L2506454-07	Barium	N	Yes	121	121 J	DUP
L2506454	SW6010D	Dry	SB-04_3-5	L2506454-07	Iron	N	Yes	9020	9020 J	DUP
L2506454	SW6010D	Dry	SB-04_3-5	L2506454-07	Lead	N	Yes	204	204 J	DUP
L2506454	SW6010D	Dry	SB-04_3-5	L2506454-07	Manganese	N	Yes	81.7	81.7 J	DUP
L2506454	SW6010D	Dry	SB-04_3-5	L2506454-07	Nickel	N	Yes	6.94	6.94 J	DUP
L2506454	SW6010D	Dry	SB-04_3-5	L2506454-07	Vanadium	N	Yes	14.9	14.9 J	DUP
L2506454	SW7471B	Dry	SB-04_3-5	L2506454-07	Mercury	N	Yes	1.29	1.29 J	DUP
L2506454	SW6010D	Dry	SB-04_7-9	L2506454-08	Arsenic	N	Yes	0.583 J	0.583 J	DUP
L2506454	SW6010D	Dry	SB-04_7-9	L2506454-08	Barium	N	Yes	38.5	38.5 J	DUP
L2506454	SW6010D	Dry	SB-04_7-9	L2506454-08	Iron	N	Yes	4390	4390 J	DUP
L2506454	SW6010D	Dry	SB-04_7-9	L2506454-08	Lead	N	Yes	6.58	6.58 J	DUP
L2506454	SW6010D	Dry	SB-04_7-9	L2506454-08	Manganese	N	Yes	19.9	19.9 J	DUP
L2506454	SW6010D	Dry	SB-04_7-9	L2506454-08	Nickel	N	Yes	8.28	8.28 J	DUP
L2506454	SW6010D	Dry	SB-04_7-9	L2506454-08	Vanadium	N	Yes	20.2	20.2 J	DUP
L2506454	SW7471B	Dry	SB-04_7-9	L2506454-08	Mercury	N	Yes	U	UJ	DUP
L2506454	SW6010D	Dry	SB-05_0-2	L2506454-11	Arsenic	N	Yes	9.69	9.69 J	DUP
L2506454	SW6010D	Dry	SB-05_0-2	L2506454-11	Barium	N	Yes	155	155 J	DUP
L2506454	SW6010D	Dry	SB-05_0-2	L2506454-11	Iron	N	Yes	12200	12200 J	DUP
L2506454	SW6010D	Dry	SB-05_0-2	L2506454-11	Lead	N	Yes	550	550 J	DUP
L2506454	SW6010D	Dry	SB-05_0-2	L2506454-11	Manganese	N	Yes	213	213 J	DUP
L2506454	SW6010D	Dry	SB-05_0-2	L2506454-11	Nickel	N	Yes	13.5	13.5 J	DUP
L2506454	SW6010D	Dry	SB-05_0-2	L2506454-11	Vanadium	N	Yes	21.1	21.1 J	DUP
L2506454	SW7471B	Dry	SB-05_0-2	L2506454-11	Mercury	N	Yes	0.95	0.95 J	DUP
L2506454	SW6010D	Dry	SB-05_10-12	L2506454-14	Arsenic	N	Yes	2.56	2.56 J	DUP
L2506454	SW6010D	Dry	SB-05_10-12	L2506454-14	Barium	N	Yes	91.9	91.9 J	DUP
L2506454	SW6010D	Dry	SB-05_10-12	L2506454-14	Iron	N	Yes	11900	11900 J	DUP
L2506454	SW6010D	Dry	SB-05_10-12	L2506454-14	Lead	N	Yes	124	124 J	DUP
L2506454	SW6010D	Dry	SB-05_10-12	L2506454-14	Manganese	N	Yes	130	130 J	DUP
L2506454	SW6010D	Dry	SB-05_10-12	L2506454-14	Nickel	N	Yes	10.4	10.4 J	DUP
L2506454	SW6010D	Dry	SB-05_10-12	L2506454-14	Vanadium	N	Yes	18.1	18.1 J	DUP
L2506454	SW7471B	Dry	SB-05_10-12	L2506454-14	Mercury	N	Yes	0.315	0.315 J	DUP
L2506454	SW6010D	Dry	SB-05_3-5	L2506454-12	Arsenic	N	Yes	6.68	6.68 J	DUP
L2506454	SW6010D	Dry	SB-05_3-5	L2506454-12	Barium	N	Yes	203	203 J	DUP

TABLE 8
SYSTEM PERFORMANCE SUMMARY
374 WALLABOUT
BROOKLYN, NEW YORK

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2506454	SW6010D	Dry	SB-05_3-5	L2506454-12	Iron	N	Yes	12100	12100 J	DUP
L2506454	SW6010D	Dry	SB-05_3-5	L2506454-12	Lead	N	Yes	365	365 J	DUP
L2506454	SW6010D	Dry	SB-05_3-5	L2506454-12	Manganese	N	Yes	157	157 J	DUP
L2506454	SW6010D	Dry	SB-05_3-5	L2506454-12	Nickel	N	Yes	11.2	11.2 J	DUP
L2506454	SW6010D	Dry	SB-05_3-5	L2506454-12	Vanadium	N	Yes	19.4	19.4 J	DUP
L2506454	SW7471B	Dry	SB-05_3-5	L2506454-12	Mercury	N	Yes	1.04	1.04 J	DUP
L2506454	SW6010D	Dry	SB-05_7-9	L2506454-13	Arsenic	N	Yes	5.21	5.21 J	DUP
L2506454	SW6010D	Dry	SB-05_7-9	L2506454-13	Barium	N	Yes	113	113 J	DUP
L2506454	SW6010D	Dry	SB-05_7-9	L2506454-13	Iron	N	Yes	12900	12900 J	DUP
L2506454	SW6010D	Dry	SB-05_7-9	L2506454-13	Lead	N	Yes	139	139 J	DUP
L2506454	SW6010D	Dry	SB-05_7-9	L2506454-13	Manganese	N	Yes	112	112 J	DUP
L2506454	SW6010D	Dry	SB-05_7-9	L2506454-13	Nickel	N	Yes	10.4	10.4 J	DUP
L2506454	SW6010D	Dry	SB-05_7-9	L2506454-13	Vanadium	N	Yes	19.4	19.4 J	DUP
L2506454	SW7471B	Dry	SB-05_7-9	L2506454-13	Mercury	N	Yes	0.06 J	0.06 J	DUP
L2506454	SW6010D	Dry	DUP-01_20250205	L2506454-16	Barium	N	Yes	12.1	12.1 J	DUP, FDP
L2506454	SW6010D	Dry	SB-03_10-12	L2506454-04	Barium	N	Yes	22	22 J	DUP, FDP
L2508519	SW6020B	NA	DUP-01_20250214	L2508519-04	Aluminum	D	Yes	0.0122	0.0122 J	FDP
L2508519	SW6020B	NA	DUP-01_20250214	L2508519-04	Iron	T	Yes	0.134	0.134 J	FDP
L2507071	SW6010D	Dry	DUP-02_20250207	L2507071-02	Barium	N	Yes	20.3	20.3 J	FDP
L2507071	SW6010D	Dry	DUP-02_20250207	L2507071-02	Calcium	N	Yes	594	594 J	FDP
L2507071	SW6010D	Dry	DUP-02_20250207	L2507071-02	Zinc	N	Yes	15.1	15.1 J	FDP
L2508519	SW6020B	NA	MW-01_20250214	L2508519-03	Aluminum	D	Yes	0.0145	0.0145 J	FDP
L2508519	SW6020B	NA	MW-01_20250214	L2508519-03	Iron	T	Yes	0.208	0.208 J	FDP
L2507071	SW6010D	Dry	SB-04_10-12	L2507071-01	Barium	N	Yes	41	41 J	FDP
L2507071	SW6010D	Dry	SB-04_10-12	L2507071-01	Calcium	N	Yes	1020	1020 J	FDP
L2507071	SW6010D	Dry	SB-04_10-12	L2507071-01	Zinc	N	Yes	23.8	23.8 J	FDP
L2506455	E1633	Dry	DUP-01_20250205	L2506455-16	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	IDL
L2506754	E1633	Dry	SB-02_6-8	L2506754-01	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	IDL
L2506455	E1633	Dry	SB-03_3-5	L2506455-02	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	IDL
L2506455	E1633	Dry	SB-03_3-5	L2506455-02	Perfluorotetradecanoic acid (PFTeDA)	N	Yes	U	UJ	IDL
L2506455	E1633	Dry	SB-04_3-5	L2506455-07	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	IDL
L2506455	E1633	Dry	SB-05_7-9	L2506455-13	N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	N	Yes	U	UJ	IDL
L2508519	E1633	NA	MW-02_20250214	L2508519-05	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	N	Yes	U	UJ	IDL
L2508519	E1633	NA	MW-03_20250214	L2508519-06	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	N	Yes	U	UJ	IDL
L2508519	E1633	NA	MW-03_20250214	L2508519-06	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	U	UJ	IDL
L2508519	E1633	NA	MW-04_20250214	L2508519-07	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	N	Yes	U	UJ	IDL
L2508519	E1633	NA	MW-04_20250214	L2508519-07	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	N	Yes	U	UJ	IDL
L2508519	SW8270E	NA	DUP-01_20250214	L2508519-04	Benzoic acid	N	Yes	U	R	LCS
L2508519	SW8270E	NA	FB-01_20250214	L2508519-01	Benzoic acid	N	Yes	U	R	LCS
L2508519	SW8270E	NA	MW-01_20250214	L2508519-03	Benzoic acid	N	Yes	U	R	LCS
L2508519	SW8270E	NA	MW-02_20250214	L2508519-05	Benzoic acid	N	Yes	U	R	LCS
L2508519	SW8270E	NA	MW-03_20250214	L2508519-06	Benzoic acid	N	Yes	U	R	LCS
L2508519	SW8270E	NA	MW-04_20250214	L2508519-07	Benzoic acid	N	Yes	U	R	LCS
L2508519	SW9012B	NA	DUP-01_20250214	L2508519-04	Cyanide	T	Yes	0.003 J	0.005 U	MBK
L2507071	SW7196A	Dry	DUP-02_20250207	L2507071-02	Chromium VI (Hexavalent)	N	Yes	0.373 J	0.932 U	MBK
L2508519	SW6020B	NA	MW-01_20250214	L2508519-03	Zinc	T	Yes	0.01634	0.01634 U	MBK
L2508519	SW9012B	NA	MW-01_20250214	L2508519-03	Cyanide	T	Yes	0.003 J	0.005 U	MBK
L2508519	E1633	NA	MW-02_20250214	L2508519-05	Perfluorohexanesulfonic acid (PFHxS)	N	Yes	2.52	2.52 J+	MBK

TABLE 8
SYSTEM PERFORMANCE SUMMARY
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SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2508519	SW6020B	NA	MW-02_20250214	L2508519-05	Zinc	D	Yes	0.00824 J	0.01 U	MBK
L2508519	SW6020B	NA	MW-02_20250214	L2508519-05	Zinc	T	Yes	0.02368	0.02368 U	MBK
L2508519	E1633	NA	MW-03_20250214	L2508519-06	Perfluorohexanesulfonic acid (PFHxS)	N	Yes	2.71	2.71 J+	MBK
L2508519	SW6020B	NA	MW-03_20250214	L2508519-06	Zinc	T	Yes	0.01506	0.01506 U	MBK
L2508519	E1633	NA	MW-04_20250214	L2508519-07	Perfluorohexanesulfonic acid (PFHxS)	N	Yes	2.22	2.22 J+	MBK
L2508519	SW6020B	NA	MW-04_20250214	L2508519-07	Zinc	T	Yes	0.01734	0.01734 U	MBK
L2506753	SW7196A	Dry	SB-01_6-8	L2506753-07	Chromium VI (Hexavalent)	N	Yes	0.618 J	0.932 U	MBK
L2506753	SW7196A	Dry	SB-01_8-10	L2506753-08	Chromium VI (Hexavalent)	N	Yes	0.556 J	0.908 U	MBK
L2506753	SW7196A	Dry	SB-02_6-8	L2506753-01	Chromium VI (Hexavalent)	N	Yes	0.783 J	0.979 U	MBK
L2506753	SW7196A	Dry	SB-02_8-10	L2506753-02	Chromium VI (Hexavalent)	N	Yes	0.574 J	0.957 U	MBK
L2506454	SW7196A	Dry	SB-03_10-12	L2506454-04	Chromium VI (Hexavalent)	N	Yes	0.446 J	0.991 U	MBK
L2507071	SW7196A	Dry	SB-04_10-12	L2507071-01	Chromium VI (Hexavalent)	N	Yes	0.516 J	1.01 U	MBK
L2506454	SW7196A	Dry	SB-04_3-5	L2506454-07	Chromium VI (Hexavalent)	N	Yes	1.09	1.09 J+	MBK
L2506454	SW7196A	Dry	SB-04_7-9	L2506454-08	Chromium VI (Hexavalent)	N	Yes	0.234 J	0.936 U	MBK
L2506454	SW7196A	Dry	SB-05_0-2	L2506454-11	Chromium VI (Hexavalent)	N	Yes	0.287 J	0.917 U	MBK
L2506454	SW7196A	Dry	SB-05_3-5	L2506454-12	Chromium VI (Hexavalent)	N	Yes	0.229 J	0.917 U	MBK
L2506753	SW7196A	Dry	SB-06_6-7	L2506753-04	Chromium VI (Hexavalent)	N	Yes	0.63 J	0.916 U	MBK
L2506753	SW7196A	Dry	SB-06_7-9	L2506753-05	Chromium VI (Hexavalent)	N	Yes	0.243 J	0.927 U	MBK
L2508519	SW8260D	NA	MW-03_20250214	L2508519-06	trans-1,4-Dichloro-2-butene	N	Yes	U	UJ	MSD
L2506753	SW8081B	Dry	SB-01_8-10	L2506753-08	4,4'-DDD	N	Yes	U	UJ	RPD
L2506753	SW8081B	Dry	SB-01_8-10	L2506753-08	4,4'-DDT	N	Yes	U	UJ	RPD
L2506454	SW8081B	Dry	SB-03_0-2	L2506454-01	alpha-Chlordane (cis)	N	Yes	2.56	2.56 J	RPD
L2506454	SW8081B	Dry	SB-03_3-5	L2506454-02	Chlordane	N	Yes	20.4	20.4 J	RPD
L2506454	SW8081B	Dry	SB-03_3-5	L2506454-02	alpha-Chlordane (cis)	N	Yes	2.4	2.4 J	RPD
L2506454	SW8081B	Dry	SB-03_3-5	L2506454-02	gamma-Chlordane (trans)	N	Yes	3.39	3.39 J	RPD
L2506454	SW8081B	Dry	SB-04_0-2	L2506454-06	Chlordane	N	Yes	29.4	29.4 J	RPD
L2506454	SW8081B	Dry	SB-04_0-2	L2506454-06	gamma-Chlordane (trans)	N	Yes	3.52	3.52 J	RPD
L2506454	SW8081B	Dry	SB-05_3-5	L2506454-12	alpha-Chlordane (cis)	N	Yes	U	UJ	RPD
L2506454	SW8081B	Dry	SB-05_3-5	L2506454-12	gamma-Chlordane (trans)	N	Yes	U	UJ	RPD
L2506454	SW8081B	Dry	SB-05_7-9	L2506454-13	4,4'-DDT	N	Yes	U	UJ	RPD
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	4,4'-DDD	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	4,4'-DDE	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	4,4'-DDT	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	Aldrin	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	Chlordane	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	Dieldrin	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	Endosulfan I	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	Endosulfan II	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	Endosulfan sulfate	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	Endrin	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	Endrin aldehyde	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	Endrin ketone	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	Heptachlor	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	Heptachlor epoxide	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	Methoxychlor	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	Toxaphene	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	alpha-BHC	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	alpha-Chlordane (cis)	N	Yes	U	UJ	SUR

TABLE 8
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SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	beta-BHC	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	delta-BHC	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	gamma-BHC (Lindane)	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	DUP-01_20250214	L2508519-04	gamma-Chlordane (trans)	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	4,4'-DDD	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	4,4'-DDE	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	4,4'-DDT	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	Aldrin	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	Chlordane	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	Dieldrin	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	Endosulfan I	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	Endosulfan II	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	Endosulfan sulfate	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	Endrin	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	Endrin aldehyde	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	Endrin ketone	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	Heptachlor	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	Heptachlor epoxide	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	Methoxychlor	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	Toxaphene	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	alpha-BHC	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	alpha-Chlordane (cis)	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	beta-BHC	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	delta-BHC	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	gamma-BHC (Lindane)	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	FB-01_20250214	L2508519-01	gamma-Chlordane (trans)	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	4,4'-DDD	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	4,4'-DDE	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	4,4'-DDT	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	Aldrin	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	Chlordane	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	Dieldrin	N	Yes	0.006 J	0.006 J-	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	Endosulfan I	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	Endosulfan II	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	Endosulfan sulfate	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	Endrin	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	Endrin aldehyde	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	Endrin ketone	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	Heptachlor	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	Heptachlor epoxide	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	Methoxychlor	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	Toxaphene	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	alpha-BHC	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	alpha-Chlordane (cis)	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	beta-BHC	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	delta-BHC	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	gamma-BHC (Lindane)	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-01_20250214	L2508519-03	gamma-Chlordane (trans)	N	Yes	U	UJ	SUR

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	4,4'-DDD	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	4,4'-DDE	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	4,4'-DDT	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	Aldrin	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	Chlordane	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	Dieldrin	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	Endosulfan I	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	Endosulfan II	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	Endosulfan sulfate	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	Endrin	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	Endrin aldehyde	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	Endrin ketone	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	Heptachlor	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	Heptachlor epoxide	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	Methoxychlor	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	Toxaphene	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	alpha-BHC	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	alpha-Chlordane (cis)	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	beta-BHC	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	delta-BHC	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	gamma-BHC (Lindane)	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-02_20250214	L2508519-05	gamma-Chlordane (trans)	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	4,4'-DDD	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	4,4'-DDE	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	4,4'-DDT	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	Aldrin	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	Chlordane	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	Dieldrin	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	Endosulfan I	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	Endosulfan II	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	Endosulfan sulfate	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	Endrin	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	Endrin aldehyde	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	Endrin ketone	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	Heptachlor	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	Heptachlor epoxide	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	Methoxychlor	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	Toxaphene	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	alpha-BHC	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	alpha-Chlordane (cis)	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	beta-BHC	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	delta-BHC	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	gamma-BHC (Lindane)	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-03_20250214	L2508519-06	gamma-Chlordane (trans)	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	4,4'-DDD	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	4,4'-DDE	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	4,4'-DDT	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	Aldrin	N	Yes	U	UJ	SUR

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	Chlordane	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	Dieldrin	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	Endosulfan I	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	Endosulfan II	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	Endosulfan sulfate	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	Endrin	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	Endrin aldehyde	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	Endrin ketone	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	Heptachlor	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	Heptachlor epoxide	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	Methoxychlor	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	Toxaphene	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	alpha-BHC	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	alpha-Chlordane (cis)	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	beta-BHC	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	delta-BHC	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	gamma-BHC (Lindane)	N	Yes	U	UJ	SUR
L2508519	SW8081B	NA	MW-04_20250214	L2508519-07	gamma-Chlordane (trans)	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	4,4'-DDD	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	4,4'-DDE	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	4,4'-DDT	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	Aldrin	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	Chlordane	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	Dieldrin	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	Endosulfan I	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	Endosulfan II	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	Endosulfan sulfate	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	Endrin	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	Endrin aldehyde	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	Endrin ketone	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	Heptachlor	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	Heptachlor epoxide	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	Methoxychlor	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	Toxaphene	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	alpha-BHC	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	alpha-Chlordane (cis)	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	beta-BHC	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	delta-BHC	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	gamma-BHC (Lindane)	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-03_7-9	L2506454-03	gamma-Chlordane (trans)	N	Yes	1.56 J	1.56 J-	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	4,4'-DDD	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	4,4'-DDE	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	4,4'-DDT	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	Aldrin	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	Chlordane	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	Dieldrin	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	Endosulfan I	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	Endosulfan II	N	Yes	U	R	SUR

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	Endosulfan sulfate	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	Endrin	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	Endrin aldehyde	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	Endrin ketone	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	Heptachlor	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	Heptachlor epoxide	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	Methoxychlor	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	Toxaphene	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	alpha-BHC	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	alpha-Chlordane (cis)	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	beta-BHC	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	delta-BHC	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	gamma-BHC (Lindane)	N	Yes	U	R	SUR
L2507071	SW8081B	Dry	SB-04_10-12	L2507071-01	gamma-Chlordane (trans)	N	Yes	U	R	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	4,4'-DDD	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	4,4'-DDE	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	4,4'-DDT	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	Aldrin	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	Chlordane	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	Dieldrin	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	Endosulfan I	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	Endosulfan II	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	Endosulfan sulfate	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	Endrin	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	Endrin aldehyde	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	Endrin ketone	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	Heptachlor	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	Heptachlor epoxide	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	Methoxychlor	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	Toxaphene	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	alpha-BHC	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	alpha-Chlordane (cis)	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	beta-BHC	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	delta-BHC	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	gamma-BHC (Lindane)	N	Yes	U	UJ	SUR
L2506454	SW8081B	Dry	SB-04_7-9	L2506454-08	gamma-Chlordane (trans)	N	Yes	U	UJ	SUR
L2506454	SW8270E	Dry	SB-05_0-2	L2506454-11	Benzo(a)anthracene	N	Yes	1200	1200 J+	SUR
L2506454	SW8270E	Dry	SB-05_0-2	L2506454-11	Chrysene	N	Yes	1100	1100 J+	SUR
L2506454	SW8270E	Dry	SB-05_0-2	L2506454-11	Pyrene	N	Yes	2000	2000 J+	SUR
L2506454	SW8270E	Dry	SB-05_0-2	L2506454-11	bis(2-Ethylhexyl)phthalate	N	Yes	71 J	71 J+	SUR
L2506455	SM2540G	Dry	DUP-01_20250205	L2506455-16	Total Solids	N	No	79.7	79.7	VCR
L2507087	SM2540G	Dry	DUP-02_20250207	L2507087-02	Total Solids	N	No	80.1	80.1	VCR
L2506754	SM2540G	Dry	SB-01_13-15	L2506754-09	Total Solids	N	No	82.6	82.6	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,1,1,2-Tetrachloroethane	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,1,1-Trichloroethane	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,1,2,2-Tetrachloroethane	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,1,2-Trichloroethane	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,1-Dichloroethane	N	No	U	U	VCR

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,1-Dichloroethene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,1-Dichloropropene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,2,3-Trichlorobenzene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,2,3-Trichloropropane	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,2,4,5-Tetramethylbenzene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,2,4-Trichlorobenzene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,2,4-Trimethylbenzene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,2-Dibromo-3-chloropropane (DBCP)	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,2-Dibromoethane (Ethylene Dibromide)	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,2-Dichlorobenzene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,2-Dichloroethane	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,2-Dichloroethene (total)	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,2-Dichloropropane	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,3,5-Trimethylbenzene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,3-Dichlorobenzene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,3-Dichloropropane	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,3-Dichloropropene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,4-Dichlorobenzene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,4-Diethylbenzene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	1,4-Dioxane	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	2,2-Dichloropropane	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	2-Butanone (Methyl Ethyl Ketone)	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	2-Chlorotoluene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	2-Hexanone (Methyl Butyl Ketone)	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	2-Phenylbutane (sec-Butylbenzene)	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	4-Chlorotoluene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Acetone	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Acrylonitrile	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Benzene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Bromobenzene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Bromodichloromethane	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Bromoform	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Bromomethane (Methyl Bromide)	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Carbon disulfide	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Carbon tetrachloride	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Chlorobenzene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Chlorobromomethane	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Chloroethane	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Chloroform (Trichloromethane)	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Chloromethane (Methyl Chloride)	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Cymene (p-Isopropyltoluene)	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Dibromochloromethane	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Dibromomethane	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Dichlorodifluoromethane (CFC-12)	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Ethyl Ether	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Ethylbenzene	N	No	U	U	VCR

TABLE 8
SYSTEM PERFORMANCE SUMMARY
374 WALLABOUT
BROOKLYN, NEW YORK

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Hexachlorobutadiene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Isopropylbenzene (Cumene)	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Methyl Tert Butyl Ether (MTBE)	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Methylene chloride (Dichloromethane)	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Naphthalene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Styrene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Tetrachloroethene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Toluene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Trichloroethene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Trichlorofluoromethane (CFC-11)	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Vinyl acetate	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Vinyl chloride	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	Xylene (Total)	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	cis-1,2-Dichloroethene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	cis-1,3-Dichloropropene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	m,p-Xylenes	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	n-Butylbenzene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	n-Propylbenzene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	o-Xylene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	tert-Butylbenzene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	trans-1,2-Dichloroethene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	trans-1,3-Dichloropropene	N	No	U	U	VCR
L2506753	SW8260D	Dry	SB-01_13-15	L2506753-09	trans-1,4-Dichloro-2-butene	N	No	U	U	VCR
L2506754	SM2540G	Dry	SB-01_8-10	L2506754-08	Total Solids	N	No	87.6	87.6	VCR
L2506754	SM2540G	Dry	SB-02_13-15	L2506754-03	Total Solids	N	No	81.2	81.2	VCR
L2506455	SM2540G	Dry	SB-03_0-2	L2506455-01	Total Solids	N	No	82.3	82.3	VCR
L2506455	SM2540G	Dry	SB-03_10-12	L2506455-04	Total Solids	N	No	81.4	81.4	VCR
L2506455	SM2540G	Dry	SB-03_13-15	L2506455-05	Total Solids	N	No	77.9	77.9	VCR
L2506455	SM2540G	Dry	SB-03_3-5	L2506455-02	Total Solids	N	No	82.9	82.9	VCR
L2506455	SM2540G	Dry	SB-03_7-9	L2506455-03	Total Solids	N	No	82.9	82.9	VCR
L2506455	SM2540G	Dry	SB-04_0-2	L2506455-06	Total Solids	N	No	82.7	82.7	VCR
L2507087	SM2540G	Dry	SB-04_10-12	L2507087-01	Total Solids	N	No	80.2	80.2	VCR
L2506455	SM2540G	Dry	SB-04_13-15	L2506455-10	Total Solids	N	No	89.1	89.1	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,1,1,2-Tetrachloroethane	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,1,1-Trichloroethane	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,1,2,2-Tetrachloroethane	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,1,2-Trichloroethane	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,1-Dichloroethane	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,1-Dichloroethene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,1-Dichloropropene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,2,3-Trichlorobenzene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,2,3-Trichloropropane	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,2,4,5-Tetramethylbenzene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,2,4-Trichlorobenzene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,2,4-Trimethylbenzene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,2-Dibromo-3-chloropropane (DBCP)	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,2-Dibromoethane (Ethylene Dibromide)	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,2-Dichlorobenzene	N	No	U	U	VCR

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,2-Dichloroethane	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,2-Dichloroethene (total)	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,2-Dichloropropane	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,3,5-Trimethylbenzene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,3-Dichlorobenzene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,3-Dichloropropane	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,3-Dichloropropene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,4-Dichlorobenzene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,4-Diethylbenzene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	1,4-Dioxane	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	2,2-Dichloropropane	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	2-Butanone (Methyl Ethyl Ketone)	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	2-Chlorotoluene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	2-Hexanone (Methyl Butyl Ketone)	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	2-Phenylbutane (sec-Butylbenzene)	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	4-Chlorotoluene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Acetone	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Acrylonitrile	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Benzene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Bromobenzene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Bromodichloromethane	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Bromoform	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Bromomethane (Methyl Bromide)	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Carbon disulfide	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Carbon tetrachloride	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Chlorobenzene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Chlorobromomethane	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Chloroethane	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Chloroform (Trichloromethane)	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Chloromethane (Methyl Chloride)	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Cymene (p-Isopropyltoluene)	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Dibromochloromethane	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Dibromomethane	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Dichlorodifluoromethane (CFC-12)	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Ethyl Ether	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Ethylbenzene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Hexachlorobutadiene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Isopropylbenzene (Cumene)	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Methyl Tert Butyl Ether (MTBE)	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Methylene chloride (Dichloromethane)	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Naphthalene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Styrene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Tetrachloroethene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Toluene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Trichloroethene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Trichlorofluoromethane (CFC-11)	N	No	U	U	VCR

TABLE 8
SYSTEM PERFORMANCE SUMMARY
374 WALLABOUT
BROOKLYN, NEW YORK

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Vinyl acetate	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Vinyl chloride	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	Xylene (Total)	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	cis-1,2-Dichloroethene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	cis-1,3-Dichloropropene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	m,p-Xylenes	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	n-Butylbenzene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	n-Propylbenzene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	o-Xylene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	tert-Butylbenzene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	trans-1,2-Dichloroethene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	trans-1,3-Dichloropropene	N	No	U	U	VCR
L2506454	SW8260D	Dry	SB-04_13-15	L2506454-10	trans-1,4-Dichloro-2-butene	N	No	U	U	VCR
L2506455	SM2540G	Dry	SB-04_3-5	L2506455-07	Total Solids	N	No	75.4	75.4	VCR
L2506455	SM2540G	Dry	SB-04_7-9	L2506455-08	Total Solids	N	No	84.5	84.5	VCR
L2506455	SM2540G	Dry	SB-05_0-2	L2506455-11	Total Solids	N	No	86.6	86.6	VCR
L2506455	SM2540G	Dry	SB-05_10-12	L2506455-14	Total Solids	N	No	84.9	84.9	VCR
L2506455	SM2540G	Dry	SB-05_3-5	L2506455-12	Total Solids	N	No	86.5	86.5	VCR

TABLE 8
SYSTEM PERFORMANCE SUMMARY
374 WALLABOUT
BROOKLYN, NEW YORK

SDG	Method	Basis	Sample ID	Lab ID	Analyte	Fraction	Reportable Result	Reported Result	Validated Result	Reason for Qualifier
L2506455	SM2540G	Dry	SB-05_7-9	L2506455-13	Total Solids	N	No	76.4	76.4	VCR
L2506754	SM2540G	Dry	SB-06_13-15	L2506754-06	Total Solids	N	No	84.7	84.7	VCR

Notes:

SUR = Surrogate percent recovery outside the specified limits.
DUP = Laboratory duplicate relative percent difference exceeds the specified limits.
RPD = Pesticides and PCB confirmation column RPD Exceeded; or MSD/LCS RPD exceedance.
IDL = Isotope dilution outside the specified limits.
MBK = Method blank contamination.
LCS = Laboratory control/laboratory control spike duplicate percent recoveries or relative percent difference were outside the specified limits.
MSD = Matrix spike/matrix spike duplicate percent recoveries or relative percent difference were outside the specified limits.
FDP = Field duplicate qualifier due to an exceedance of the specified limits.
VCR = Validator's choice of reanalysis.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The compound was analyzed for but not detected.
J- = The result is an estimated quantity, but the result may be biased low.
J = Estimated concentration.
UJ = The compound was not detected. The reported sample quantitation limit is approximate.
R = The sample results were rejected as unusable; the compound may or may not be present in the sample.

ATTACHMENT A
Pace Analytical 8260B Analyte List, Characteristic Mass, and Associated Internal Standards

Analyte	CAS Number	Primary Ion	Secondary Ion (s)	Internal Standard used for Quantitation
Dichlorodifluoromethane	75-71-8	85	87	1
Chloromethane	74-87-3	50	52	1
Vinyl Chloride	75-01-4	62	64	1
Bromomethane	74-83-9	94	96	1
Chloroethane	75-00-3	64	66	1
Trichlorofluoromethane	75-69-4	101	103	1
Dichlorofluoromethane	75-43-4	67	69	1
Diethyl Ether	60-29-7	59	45, 74	1
Ethanol	64-17-5	45	46	4
1,1-Dichloroethene	75-35-4	96	61, 63	1
Carbon Disulfide	75-15-0	76	78	1
Trichlorotrifluoroethane	76-13-1	101	151, 103	1
Iodomethane	74-88-4	142	127,141	1
Acrolein	107-2-8	56	55	1
Allyl Chloride	107-05-1	41	76,39	1
Acetone d6 (IS#2)	**666-52-4**	**46**	**64**	
Isopropanol (2-Propanol)	67-63-0	45	43	4
Methylene Chloride	75-09-2	84	86	1
Acetone	67-64-1	58	43	2
trans-1,2-Dichloroethene	156-60-5	96	61,98	1
Methyl Acetate	79-20-9	74	43	
Hexane (n-Hexane)	110-54-3	86	57,56	2
Methyl-tert-butyl Ether	1634-04-4	87	57	1
Tert Butyl Alcohol (2-Methyl-2-propanol) (TBA)	75-65-0	59	41	4
Acetonitrile	75-05-8	41	40,39	1
Isopropyl Ether (Diisopropyl ether)	108-20-3	45	87,59	1

Chloroprene	126-99-8	53	88,90	1
1,1-Dichloroethane	75-34-3	63	65, 83	1
Acrylonitrile	107-13-1	53	52,51	1
ethyl tert-butyl ether	637-92-3	59	87	1
Vinyl Acetate	108-05-4	43	86	1
cis-1,2-Dichloroethene	156-59-2	96	61,98	1
2,2-Dichloropropane	594-20-7	77	97	1
Cyclohexane	110-82-7	56	84,41	1
Bromochloromethane	74-97-5	130	49, 128	1
Chloroform	67-66-3	83	85	1
Carbon Tetrachloride	56-23-5	117	119	1
Tetrahydrofuran	109-99-9	72	71,42	2
Ethyl acetate	141-78-6	43	61,70	1
1,1,1-Trichloroethane	71-55-6	97	99,61	1
Dibromofluoromethane (S)	***1868-53-7***	***113***		***1***
Sec-Butyl alcohol	78-92-2	45	59	4
1,1-Dichloropropene	563-58-6	75	110,77	1
2-Butanone (MEK)	78-93-3	43	72	1
2,2,4-trimethylpentane	540-84-1	57	56	1
Benzene	71-43-2	78	77	1
Propionitrile	107-12-0	54	55,52	1
Methacrylonitrile	126-98-7	41	67,39	1
Pentafluorobenzene (IS#1)	**363-72-4**	**168**		
tert-amyl methyl ether	994-05-8	73	87,55	1
1,2 Dichloroethane d4 (S)	***17060-07-0***	***65***	***67,51***	***1***
1,2-Dichloroethane	107-06-2	62	98	1
Isobutanol	78-83-1	43	41,42	4
tert-amyl alcohol	75-85-4	59	73,55	4

methylcylohexane	108-72-2	98	83,55	1
Trichloroethene	79-01-6	130	95, 132	3
1,4 Difluorobenzene (IS #3)	**540-36-3**	**114**		
Tert-amyl ethyl ether	919-94-8	59	87, 73	3
Dibromomethane	74-95-3	174	95,93	3
n-Butanol	71-36-3	56	41,43	4
1,2-Dichloropropane	78-87-5	63	112	3
Bromodichloromethane	75-27-4	83	85,127	3
Ethyl Acrylate	140-88-5	55	56	3
1,4 Dioxane-d8 (IS #4)	**17647-74-4**	**96**	**64**	
1,4-Dioxane	123-91-1	88	58,57	4
Methyl Methacrylate	80-62-6	69	41,100	3
3-Pentanone	96-22-0	57	86	3
2-Chloroethyl Vinyl Ether	110-75-8	63	106, 65	3
cis-1,3-Dichloropropene	10061-01-5	75	77, 39	3
Toluene d8 (S)	**2037-26-5**	**98**	**100**	**5**
Toluene	108-88-3	92	91	5
2-Nitropropane	79-46-9	43	41, 39	5
Tetrachloroethene	127-18-4	166	168, 129	5
4-Methyl-2-Pentanone (MIBK)	108-10-1	43	58, 85	5
trans-1,3-Dichloropropene	10061-02-6	75	77,39	5
1,1,2-Trichloroethane	79-00-5	97	83, 85	5
4-Methyl-2-pentanol	108-11-2	45	69,87	4
Ethyl Methacrylate	97-63-2	69	41,99	5
Dibromochloromethane	124-48-1	129	127	5
1,3-Dichloropropane	142-28-9	76	78	5
1,2-Dibromoethane	106-93-4	107	109, 188	5
2-Hexanone	591-78-6	43	58, 57	5

Chlorobenzene d5 (IS#5)	**3114-55-4**	**117**		
Chlorobenzene	108-90-7	112	77, 114	5
Ethylbenzene	100-41-4	91	106	5
1,1,1,2-Tetrachloroethane	630-20-6	131	133, 119	5
m&p-Xylene	7816-60-0	106	91	5
o-Xylene	95-47-6	106	91	5
Bromoform	75-25-2	173	175,254	5
Styrene	100-42-5	104	78	5
Isopropyl benzene (Cumene)	98-82-8	105	120	5
4-Bromofluorobenzene (BFB) (S)	***460-00-4***	***95***		***6***
Bromobenzene	108-86-1	156	77,158	6
Cis-1,4-Dichloro-2-butene	1476-11-5	53	77, 75	6
n-Propylbenzene	103-65-1	91	120	6
1,1,2,2-Tetrachloroethane	79-34-5	83	131, 85	6
2-Chlorotoluene	95-49-8	91	126	6
1,2,3-Trichloropropane	96-18-4	110	75, 112	6
1,3,5-Trimethylbenzene	108-67-8	105	120	6
Trans-1,4-Dichloro-2-butene	110-57-6	53	88, 75	6
4-Chlorotoluene	106-43-4	91	126	6
tert-Butylbenzene	98-06-6	119	91,134	6
1,2,4-Trimethylbenzene	95-63-6	105	120	6
sec-Butylbenzene	135-98-8	105	134	6
p-Isopropyltoluene	99-87-6	119	134, 91	6
1,3-Dichlorobenzene	541-73-1	146	111, 148	6
1,4-Dichlorobenzene-d4 (IS#6)	**3855-82-0**	**152**		
1,4-Dichlorobenzene	106-46-7	146	111, 148	6
1,2,3-Trimethylbenzene	526-73-8	105	120	1
n-Butylbenzene	104-51-8	91	92, 134	6

1,2-Dichlorobenzene	95-50-1	146	111, 148	6
1,2-Dibromo-3-chloropropane	96-12-8	75	155,157	6
Hexachloro-1,3-butadiene	87-68-3	225	227,223	6
1,2,4-Trichlorobenzene	120-82-1	180	182, 145	6
Naphthalene	91-20-3	128		6
1,2,3-Trichlorobenzene	87-61-6	180	182, 145	6
2-Methylnaphthalene	91-57-6	142	141	6
Xylene (total)	1330-20-7	NA	NA	5
1,2-Dichloroethene (total)	540-59-0	NA	NA	1
BTEX (total)	N/A	NA	NA	1,5
Total 1,3-Dichloropropene	NA	NA	NA	3,5

Note: Hexane uses 86 as the primary ion due to co-elution with MTBE.

ATTACHMENT B
Pace Analytical 8270 Characteristic Ions and Internal Standards Associations

Analyte	Primary Ion	Secondary Ion (s)	Internal Standard used for Quantitation
N-nitrosodimethylamine	74	42, 44	1
Pyridine	79	52	1
2-Fluorophenol (S)	***112***	***64***	***1***
Phenol-d6 (S)	***99***	***71, 42***	***1***
Phenol	94	66, 65	1
bis(2-Chloroethyl) ether	63	93, 95,	1
2-Chlorophenol	128	64, 130	1
1,3-Dichlorobenzene	146	148, 111	1
1-4-Dichlorobenzene-d4 (IS #1)	**152**	**150, 115**	
1,4-Dichlorobenzene	146	148, 111	1
Benzyl Alcohol	79	108, 77	1
1,2-Dichlorobenzene	146	148, 111	1
2-Methylphenol	107	108, 77	1
bis-(2-Chloroisopropyl) ether	45	77, 121	1
N-Nitroso-di-n-propylamine	70	42, 101, 130	1
3&4-Methylphenol	107	108, 77	1
Hexachloroethane	117	201, 199	1
Nitrobenzene-d5 (S)	***82***	***54***	***2***
Nitrobenzene	77	123, 65	2
Isophorone	82	138, 95	2
2-Nitrophenol	139	65, 109	2
2,4-Dimethylphenol	107	122, 121	2
bis(2-Chloroethoxy)methane	93	95, 123	2

Benzoic Acid	105	102, 77	2
2,4-Dichlorophenol	162	164, 98	2
1,2,4-Trichlorobenzene	180	182, 145	2
Naphthalene-d8 (IS #2)	**136**	**68**	
Naphthalene	128	129, 127	2
4-Chloroaniline	127	129, 65	2
Hexachlorobutadiene	225	223, 227	2
4-Chloro-3-methylphenol	107	142, 144	2
2-Methylnaphthalene	142	141	2
1-Methylnaphthalene	142	141	2
Hexachlorocyclopentadiene	237	235, 272	3
2,4,6-Trichlorophenol	196	198, 200	3
2,4,5-Trichlorophenol	196	198, 97	3
2-Fluorobiphenyl (S)	***172***		***3***
2-Chloronaphthalene	162	127, 164	3
2-Nitroaniline	65	138, 92	3
Dimethylphthalate	163	194, 164	3
2,6-Dinitrotoluene	165	63, 89	3
Acenaphthene-d10 (IS #3)	**164**	**162, 160**	
Acenaphthylene	152	151, 153	3
3-Nitroaniline	138	92, 108	3
Acenaphthene	154	152, 153	3
2,4-Dinitrophenol	184	63, 154	3
4-Nitrophenol	65	109, 139	3

Dibenzofuran	168	139	3
2,4-Dinitrotoluene	165	89, 63	3
Diethylphthalate	149	177, 150	3
4-Chlorophenyl phenyl ether	204	206, 141	3
Fluorene	166	165, 167	3
4-Nitroaniline	138	65, 108	3
4,6-Dinitro-2-methylphenol	198	51, 105	4
N-nitrosodiphenylamine	169	168, 167	4
1,2 Diphenylhydrazine	77		3
2,4,6-Tribromophenol (S)	***330***	***332, 141***	***3***
4-Bromophenyl phenyl ether	248	250, 141	4
Hexachlorobenzene	284	142, 249	4
Pentachlorophenol	266	264, 268	4
Phenanthrene-d10 (IS #4)	**188**	**94, 80**	
Phenanthrene	178	179, 176	4
Anthracene	178	176, 179	4
Carbazole	167	166	4
Di-n-butylphthalate	149	150, 104	4
Fluoranthene	202	101, 203	4
Benzidine	184	92	5
Pyrene	202	200, 203	5
Terphenyl-d14 (S)	***244***	***122, 212***	***5***
Butyl benzyl phthalate	149	91, 206	5
bis-(2-ethylhexyl)phthalate	149	167, 279	5

3,3'-Dichlorobenzidine	252	254, 126	5
Benzo(a)anthracene	228	229, 226	5
Chrysene-d12 (IS #5)	**240**	**120, 236**	
Chrysene	228	226, 229	5
Di-n-octyl phthalate	149	167, 43	5
Benzo(b)fluoranthene	252	253, 125	6
Benzo(k)fluoranthene	252	253, 125	6
Benzo(a)pyrene	252	253, 125	6
Perylene-d12 (IS #6)	**264**	**260, 265**	
Indeno(1,2,3-cd)pyrene	276	138, 277	6
Dibenz(a,h)anthracene	278	279, 139	6
Benzo(g,h,i)perylene	276	138, 277	6

APPENDIX K
Drum Disposal Documentation

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 631-727-2700	4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address: Joel Fried, 694 Myrtle Ave #184, Brooklyn, NY
Generator's Site Address (if different than mailing address): 374 Wallabout St. Brooklyn, NY
Generator's Phone: 718-852-3016

6. Transporter 1 Company Name: Eastern Environmental Solutions, Inc. — U.S. EPA ID Number: NYR000135624

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Clean Water NY, 3249 Richmond Terr, Staten Island NY — U.S. EPA ID Number
Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non Hazardous; Non RCRA; Non DOT Regulated Liquids	001 ~~002~~	DM	55	G
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

442-002

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: X Aldrichas Agard Rep Eddy Lincoln Hurley; 374 Wallabout St — Signature — Month 03 Day 04 Year 25

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Martin Moreno — Signature: Martin Moreno — Month 03 Day 04 Year 25
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Carlos Herrera — Signature — Month 03 Day 19 Year 25

APPENDIX L
Daily Reports

DAILY FIELD REPORT

Project	374 Wallabout Street Redevelopment	**Report No.**	001
NYSDEC Site ID	C224383	**Date**	02/05/25
Location	374 Wallabout Street, Brooklyn	**File No.**	0205892
Client	Joel Fried	**Temperature**	33 – 27°F
Contractor	Lakewood Environmental Services Corp. (driller) and Nova Geophysical Engineering Services (geophysical surveyor)	**Wind Direction**	NNW at 5 mph
Weather	Clear	**Personnel on Site**	N.Manzione/D. Freliech
Humidity	43%	**Time on Site**	0700-1615

Scope of Work: H&A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) performed Remedial Investigation (RI) activities as per Remedial Investigation Work Plan (RIWP) approved on 15 January 2025.

Daily Activities:

- Haley & Aldrich of New York on-site to conduct the remedial investigation and perform community air monitoring in accordance with the approved RIWP.
- Nova Geophysical Engineering Services completed a site-wide geophysical investigation using ground penetrating radar (GPR). Sample locations were cleared prior to ground disturbance.
- Lakewood Environmental Services Corp. (Lakewood) used a 420M Limited Access Geoprobe® to advance soil borings throughout the Site at locations specified in the RIWP, specifically:
    - three soil borings in the rear yard (SB-03, SB-04 and SB-05) to 15 feet below grade surface (ft bgs).

Samples Collected:

- Haley & Aldrich of New York collected the following soil samples as part of the RI:
    - SB-03_0-2, SB-03_3-5, SB-03_7-9, SB-03_10-12, SB-03_13-15
    - SB-04_0-2, SB-04_3-5, SB-04_7-9, SB-04_10-12, SB-04_13-15
    - SB-05_0-2, SB-05_3-5, SB-05_7-9, SB-05_10-12, SB-05_13-15
- Soil samples were analyzed for VOCs, SVOCs, TAL Metals, PCBs, Pesticides, total cyanide, Hexavalent Chromium, PFAS and 1,4-Dioxane

CAMP Activities:

- CAMP was performed at one upwind location and one downwind location during ground-intrusive activities. No 15-minute average concentrations of VOCs or dust particulates exceeded the action levels throughout the day.
- No visible dust or odors were observed leaving the Site perimeter.

Activities Planned for Coming Week

- Continued implementation of the Remedial Investigation.

Site Photographs:



Photo 1: View of work area and utility mark outs prior to drilling, facing southeast.



Photo 2: View of typical material observed in macrocores from 0 to 15 ft bgs.

DAILY FIELD REPORT

Site Map:



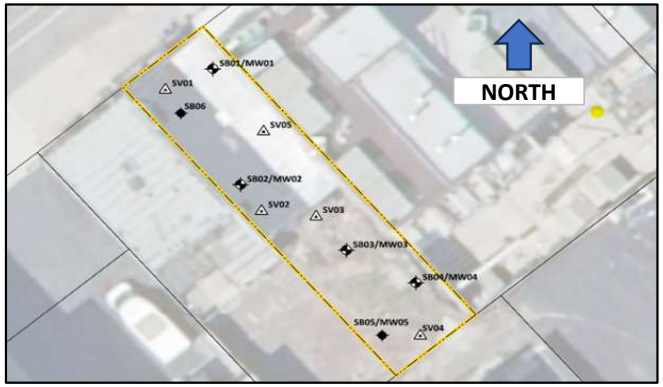
LEGEND:

- Site Boundary
- Parcel Boundary
- Approximate Extent of Work Area
- Proposed Soil Boring/Groundwater Monitoring Well Location
- Proposed Soil Boring Location
- Proposed Soil Vapor Point Location
- Camp Station

Air Monitoring Log

Project: 374 Wallabout Redevelopment
Date: 2/5/2025
Personnel: N.Manzione/D. Freliech
Weather: Clear, 36-27 °F
Humidity: 0.43
Wind Direction: NNW at 5 mph
Particulate Background (mcg/m3): 0.014
PID Background (ppm): 0.00
Upwind Dustrak #: 8530192316
Downwind Dustrak #: 8520182303

Site Map (not to scale):



Time	Particulate		VOCs			Notes
	Upwind	Downwind	Upwind	Downwind	Upwind	
	Dust (mcg/m3)	Dust (mcg/m3)	PID (ppm)	PID (ppm)	Odors (y/n)	Activities/Additional Monitoring
915	0.014	0.015	0	0	n	drilling commences
930	0.018	0.015	0	0	n	
945	0.007	0.014	0	0	n	
1000	0.003	0.014	0	0	n	
1015	0.005	0.013	0	0	n	
1030	0.006	0.017	0	0	n	
1045	0.013	0.017	0	0	n	
1100	0.031	0.017	0	0.2	n	
1115	0.012	0.031	0	0.2	n	
1130	0.029	0.02	0	0.2	n	
1145	0.005	0.018	0	0.3	n	
1200	0.285	0.015	0	0.3	n	
1215	0.004	0.016	0	0.3	n	
1230	0.021	0.058	0	0.3	n	
1245	0.001	0.012	0	0.3	n	
1300	0.005	0.015	0	0.3	n	
1315	0.001	0.138	0	0.3	n	
1330	0.004	0.011	0	0.3	n	
1345	0.006	0.01	0	0.3	n	
1400	0.002	0.012	0	0.3	n	
1415	0.002	0.018	0	0.3	n	
1430	0.002	0.011	0	0.3	n	
1445	0.002	0.01	0	0.3	n	demobilize

DAILY FIELD REPORT

Project	374 Wallabout Street Redevelopment	**Report No.**	002
NYSDEC Site ID	C224383	**Date**	02/06/2025
Location	374 Wallabout Street, Brooklyn, NY	**File No.**	0205892
Client	Joel Fried	**Temperature**	34 – 26°F
Contractor	Lakewood Environmental Services Corp. (driller)	**Wind Direction**	SE at 9 mph
Weather	Sleet	**Personnel on Site**	N.Manzione/D. Freliech
Humidity	92%	**Time on Site**	0700-1645

Scope of Work: H&A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) performed Remedial Investigation (RI) activities as per Remedial Investigation Work Plan (RIWP) approved on 15 January 2025.

Daily Activities:

- Haley & Aldrich of New York on-site to conduct the remedial investigation and perform community air monitoring in accordance with the approved RIWP.
- Lakewood Environmental Services Corp. (Lakewood) used a 420M Limited Access Geoprobe® to advance soil borings soil vapor points and monitoring wells throughout the Site at locations specified in the RIWP, specifically:
    - three soil borings advanced within the building footprint (cellar level) to 15 feet below sidewalk grade (bsg) (SB-01, SB-02 and SB-06);
    - two monitoring wells installed 5 feet below the groundwater interface (MW-01 and MW-02); and,
    - two soil vapor probes installed immediately below the slab (SV-01 and SV-03).
- Developed monitoring wells. Purged groundwater was placed in containers for temporary on-site storage pending off-Site disposal.

Samples Collected:

- Haley & Aldrich of New York collected the following soil samples as part of the RI:
    - SB-01_6-8, SB-01_8-10, SB-01_13-15
    - SB-02_6-8, SB-02_8-10, SB-02_13-15
    - SB-06_6-7, SB-06_7-9, SB-06_13-15
    - Soil samples were analyzed for VOCs, SVOCs, TAL Metals, PCBs, Pesticides, total cyanide, Hexavalent Chromium, PFAS and 1,4-Dioxane.
- Haley & Aldrich of New York collected the following soil vapor samples as part of the RI:
    - SV-01 and SV-03
    - Air samples were analyzed for TO-15.

CAMP Activities:

- CAMP was performed at one upwind location and one downwind location during ground-intrusive activities. At 10:30 am, dust concentrations at the downwind station exceeded the action levels due to idling traffic on Wallabout Street. No visible dust was observed leaving the Site perimeter and concentrations returned to normal levels by 10:35am.

Activities Planned for Coming Week:

- Continue implementation of the Remedial Investigation.

Site Photographs:



Photo 1: Front view of existing building, facing south.



Photo 2: View of back yard area (behind existing building), facing northeast.

Site Photographs (continued):

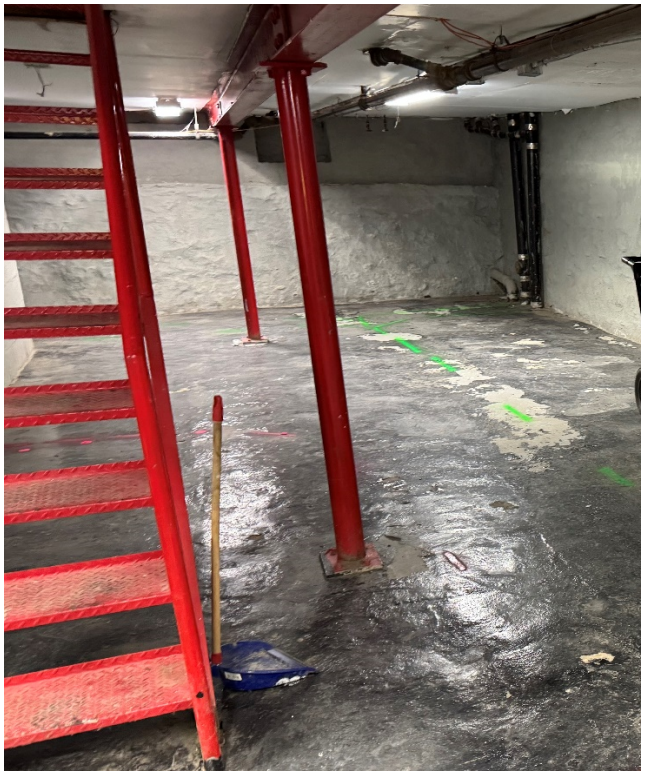


Photo 3: View of existing cellar in front portion of existing building, facing northwest (towards Wallabout Street).



Photo 4: View of active drilling in existing cellar.

Site Map:



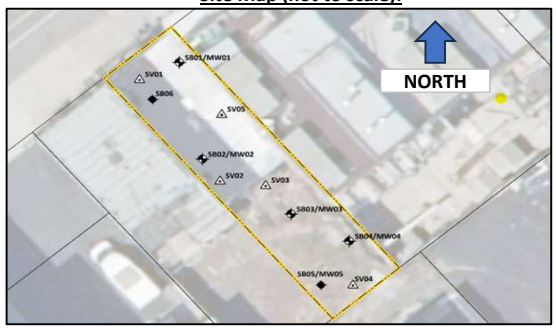
LEGEND:

- Site Boundary
- Parcel Boundary
- Approximate Extent of Work Area
- Proposed Soil Boring/Groundwater Monitoring Well Location
- Proposed Soil Boring Location
- Proposed Soil Vapor Point Location
- Camp Station

Air Monitoring Log

Project:	374 Wallabout Redevelopment
Date:	2/6/2025
Personnel:	N.Manzione/D. Freliech
Weather:	Sleet, 34-26 °F
Humidity:	92%
Wind Direction:	SE at 9 mph
Particulate Background (mcg/m3):	0.007
PID Background (ppm):	0.0
Upwind Dustrak #:	8530192316
Downwind Dustrak #:	8520182303

Site Map (not to scale):



Time	Particulate		VOCs			Notes
	Upwind	Downwind	Upwind	Downwind	Upwind	
	Dust (mcg/m3)	Dust (mcg/m3)	PID (ppm)	PID (ppm)	Odors (y/n)	Activities/Additional Monitoring
7:45	0.007	0.039	0.0	0.0	N	Drilling commences
8:00	0.003	0.076	0.0	0.0	N	
8:15	0.001	0.013	0.0	0.0	N	
8:30	0.000	0.089	0.0	0.0	N	
8:45	0.000	0.143	0.0	0.0	N	
9:00	0.000	0.019	0.0	0.0	N	Recalibrated upwind dustrak
9:15	0.007	0.016	0.0	0.0	N	
9:30	0.006	0.018	0.0	0.0	N	
9:45	0.009	0.023	0.0	0.0	N	
10:00	0.008	0.027	0.0	0.1	N	
10:15	0.017	0.03	0.0	0.1	N	
10:30	0.015	0.181	0.0	0.1	N	Traffic/idiling cars in the area
10:45	0.006	0.054	0.1	0.0	N	
11:00	0.008	0.024	0.0	0.0	N	
11:15	0.016	0.029	0.0	0.1	N	
11:30	0.015	0.017	0.0	0.1	N	
11:45	0.015	0.018	0.0	0.1	N	
12:00	0.016	0.017	0.0	0.0	N	
12:15	0.014	0.022	0.0	0.0	N	
12:30	0.017	0.018	0.0	0.0	N	
12:45	0.016	0.02	0.0	0.1	N	
13:00	0.022	0.134	0.0	0.1	N	
13:15	0.015	0.016	0.0	0.1	N	
13:30	0.018	0.017	0.0	0.1	N	
13:45	0.021	0.024	0.0	0.1	N	
14:00	0.138	0.048	0.0	0.1	N	Demobilize

DAILY FIELD REPORT

Project	374 Wallabout Street Redevelopment	**Report No.**	003
NYSDEC Site ID	C224383	**Date**	02/07/25
Location	374 Wallabout Street, Brooklyn, New York	**File No.**	0205892
Client	Joel Fried	**Temperature**	26-40°F
Contractor	Lakewood Environmental Services Corp. (driller)	**Wind Direction**	W at 13 mph
Weather	Partly Cloudy	**Personnel on Site**	M. Cal /D. Freliech
Humidity	64%	**Time on Site**	0700-1:30

Scope of Work: H&A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) performed Remedial Investigation (RI) activities as per Remedial Investigation Work Plan (RIWP) approved on 15 January 2025.

Daily Activities:

- Haley & Aldrich of New York on-site to conduct the remedial investigation and perform community air monitoring in accordance with the approved RIWP.
- Lakewood Environmental Services Corp. (Lakewood) used a 420M Limited Access Geoprobe® to advance soil borings soil vapor points and monitoring wells throughout the Site at locations specified in the RIWP, specifically:
    - one soil boring advanced in the back yard area to 15 feet below sidewalk grade (bsg) (SB-04);
    - two monitoring wells installed 5-feet below groundwater interface (MW-03 and MW-04); and,
    - three soil vapor probes installed immediately below the slab (SV-02, SV-04 and SV-05).

Samples Collected:

- Haley & Aldrich of New York collected the following soil samples as part of the RI:
    - SB-04_10-12
    - Soil samples were analyzed for VOCs, SVOCs, TAL Metals, PCBs, Pesticides, total cyanide, Hexavalent Chromium, PFAS and 1,4-Dioxane
- Haley & Aldrich of New York collected the following soil vapor samples as part of the RI:
    - SV-02, SV-04 and SV-05
    - Air samples were analyzed for TO-15.

CAMP Activities:

- CAMP was performed at one upwind location and one downwind location during ground-intrusive activities. No 15-minute average concentrations of VOCs or dust particulates exceeded the action levels throughout the day. No visible dust or odors were observed leaving the Site perimeter.

Activities Planned for Coming Week:

- Groundwater sampling at least 1-week after well development.

Site Photographs:



Photo 1: View of soil vapor sampling in existing cellar, facing south.



Photo 2: View of CAMP station in back yard area of Site, facing northwest.

DAILY FIELD REPORT

Site Map:



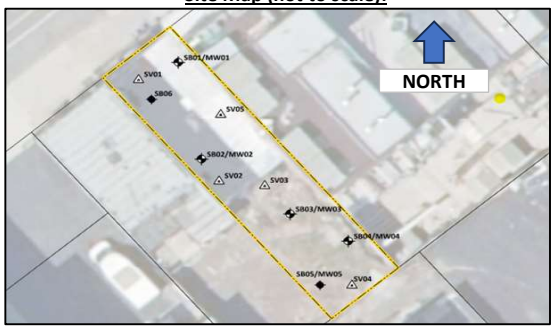
LEGEND:

- Site Boundary
- Parcel Boundary
- Approximate Extent of Work Area
- Proposed Soil Boring/Groundwater Monitoring Well Location
- Proposed Soil Boring Location
- Proposed Soil Vapor Point Location
- Camp Station

Air Monitoring Log

Project:	374 Wallabout Redevelopment
Date:	2/7/2025
Personnel:	N.Manzione/D. Freliech
Weather:	Partly Cloudy, 26-40 °F
Humidity:	64%
Wind Direction:	W at 13 mph
Particulate Background (mcg/m3):	0.015
PID Background (ppm):	0.0
Upwind Dustrak #:	8530192316
Downwind Dustrak #:	8520182303

Site Map (not to scale):



Time	Particulate		VOCs			Notes
	Upwind	Downwind	Upwind	Downwind	Upwind	
	Dust (mcg/m3)	Dust (mcg/m3)	PID (ppm)	PID (ppm)	Odors (y/n)	Activities/Additional Monitoring
7:15	0.015	0.013	0.0	0.0	N	Drilling commences
7:30	0.019	0.017	0.0	0.0	N	
7:45	0.02	0.019	0.0	0.0	N	
8:00	0.019	0.014	0.0	0.0	N	
8:15	0.023	0.019	0.0	0.0	N	
8:30	0.021	0.021	0.0	0.0	N	
8:45	0.025	0.024	0.0	0.0	N	
9:00	0.034	0.026	0.0	0.0	N	
9:15	0.032	0.025	0.0	0.0	N	
9:30	0.028	0.025	0.0	0.0	N	
9:45	0.033	0.031	0.0	0.0	N	
10:00	0.031	0.025	0.0	0.1	N	
10:15	0.024	0.019	0.0	0.0	N	
10:30	0.023	0.022	0.0	0.0	N	
10:45	0.025	0.019	0.0	0.0	N	Demobilize

DAILY FIELD REPORT

Project	374 Wallabout Street Redevelopment	**Report No.**	004
NYSDEC Site ID	C224383	**Date**	02/14/25
Location	374 Wallabout Street, Brooklyn	**File No.**	0205892
Client	Joel Fried	**Temperature**	26-40°F
Contractor	DPK Consulting (surveyor)	**Wind Direction**	NE at 12 mph
Weather	Sunny	**Personnel on Site**	O. Hennigan /D. Freliech
Humidity	69%	**Time on Site**	0700-16:15

Scope of Work: H&A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) performed Remedial Investigation (RI) activities as per Remedial Investigation Work Plan (RIWP) approved on 15 January 2025.

Daily Activities:

- Haley & Aldrich of New York on-site to collect groundwater samples for the remedial investigation in accordance with the approved RIWP.
- Purged groundwater was placed in containers for temporary on-site storage pending off-site disposal.
- DPK Consulting on-site to survey monitoring well locations.

Samples Collected:

- Haley & Aldrich of New York collected the following groundwater samples as part of the RI:
  - MW-01_20240214, MW-02_20240214, MW-03_20240214, and MW-04_20240214.
  - Groundwater samples were analyzed for VOCs, SVOCs, TAL Metals, PCBs, Pesticides, total cyanide, total mercury, Hexavalent Chromium, PFAS and 1,4-Dioxane

CAMP Activities:

- CAMP was not implemented as no ground-intrusive activities took place.

Activities Planned for Coming Week:

- Analyze groundwater data.

Site Photographs:



Photo 1: View of groundwater sampling in the cellar.



Photo 2: View of groundwater sampling in the back yard.

DAILY FIELD REPORT

Site Map:



LEGEND:

- Site Boundary
- Parcel Boundary
- Approximate Extent of Work Area
- Soil Boring/Groundwater Monitoring Well Location
- Soil Boring Location
- Soil Vapor Point Location
- Camp Station