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REMEDIAL INVESTIGATION WORK PLAN
SITE NAME 28-12 41ST SITE
NYSDEC BCP SITE NO. TBD
28-12 41ST AVENUE
LONG ISLAND CITY, NEW YORK

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

for
28-12 41st Ave LLC
Queens Village, New York

File No. 0214374
October 2025



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October 15, 2025
File No. 0214373

Site Control Section
New York State Department of Environmental Conservation
Region 2 - Division of Environmental Remediation
47-20 21st Street
Long Island City, New York 11101-5401

Attention: Ms. Jane O'Connell

Subject: Remedial Investigation Work Plan
Site Name 28-12 41st Site
28-12 41st Avenue
Long Island City, New York
NYSDEC BCP Site No. TBD

Dear Ms. O'Connell:

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York), on behalf of 28-12 41st Ave LLC, is submitting to the New York State Department of Environmental Conservation (NYSDEC) this Remedial Investigation Work Plan (RIWP) for the TBD Site located at 28-12 41st Avenue in Long Island City, New York (Site). This RIWP has been developed based on the NYSDEC's *Technical Guidance for Site Investigation and Remediation* (DER-10 dated May 2010) and *DER Green Remediation* (DER-31).

Please do not hesitate to contact us if there are any questions regarding this submittal or any other aspects of the project.

Sincerely yours,
H & A OF NEW YORK ENGINEERING AND GEOLOGY, LLP

Luke J. McCartney, P.G.
Senior Project Manager

James M. Bellew
Principal

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NYSDEC (TBD) Email:
NYSDOH (TBD) Email:
Attorney (TBD) Email:

Certification

I, Luke J. McCartney, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that that this Remedial Investigation Work Plan[1] was prepared in accordance with the applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and DER Green Remediation (DER-31).



Luke J. McCartney, P.G.

[1] *Certification applies to remedial investigation activities conducted after the execution of a Brownfield Cleanup Agreement (BCA).*

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H	Health and Safety Plan
I	NYSDOH CAMP Guidance Document

List of Acronyms and Abbreviations

A	
Alpha	Alpha Analytical
Applicant	28-12 41st Ave LLC
AOC	Area of Concern
ASP	Analytical Services Protocol
AWQS	Ambient Water Quality Standards
B	
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
C	
CAMP	Community Air Monitoring Plan
CFR	Code of Federal Regulations
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
DUSR	Data Usability Summary Report
E	
EA	Exposure Assessment
EDD	Electronic Data Deliverable
ELAP	Environmental Laboratory Approval Program
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
ESI	Environmental Site Investigation
F	
ft	feet
FSP	Field Sampling Plan
G	
GPR	ground-penetrating radar

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
L	
Lakewood	Lakewood Environmental Services Corp.
L/min	liters per minute
M	
mg/kg	Milligrams per Kilogram
µg/L	Microgram per Liter
N	
NOVA	NOVA Geophysical Services
NTU	nephelometric turbidity unit
NYCRR	New York Codes, Rules, and Regulations
NYC OER	New York City Office of Environmental Remediation
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
O	
OSHA	Occupational Safety and Health Administration
P	
PCB	polychlorinated biphenyl
PCE	tetrachloroethene
PFAS	per- and polyfluoroalkyl substances
PID	photoionization detector
ppm	parts per million
Q	
QA/QC	Quality Assurance/Quality Control
QAO	Quality Assurance Officer
QAPP	Quality Assurance Project Plan
QEP	Qualified Environmental Professional
QHHEA	Qualitative Human Health Exposure Assessment
R	
REC	Recognized Environmental Condition

1. Introduction

On behalf of the Applicant, 28-12 41st Ave LLC, H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) has prepared this *Remedial Investigation Work Plan* (RIWP) for the 28-12 41st Site located at 28-12 41st Avenue, Long Island City, New York (the "Site"). This RIWP was prepared in accordance with the regulations and guidance applicable to the Brownfield Cleanup Program (BCP).

The Site, located in the Long Island City neighborhood of Queens, is identified as Block 417 Lot 20 on the New York City tax map. The Site is approximately 5,000 square feet (sq ft) (0.115 acres) and is currently improved with a one-story, slab-on-grade warehouse used for parking and storage. The Site is bounded to the north by 41st Avenue and ATLAS High School; to the east by a two-story mixed-use residential and commercial building; to the south by a two-story commercial building and a two-story mixed-use residential and commercial building; and to the west by a commercial parking lot. The Site is in a mixed-use area characterized by low-rise commercial and residential, multi-family high-rise, and manufacturing buildings. The Site location is shown on Figure 1. Existing Site features are shown on Figure 2 and surrounding land use is depicted on Figure 3.

The Site has been assigned an E-designation (E-104, CEQR 00DCP055Q) for hazardous materials as part of the Long Island City District rezoning. The Site is located within an M1-5/R7-3 manufacturing and residential zoning district with the intended post development use as a new ten-story residential building with cellar level requiring excavation to approximately 14 feet (ft) below ground surface (bgs).

1.1 PURPOSE

The objective of the Remedial Investigation (RI) is to characterize the nature and extent of environmental impacts at the Site and to provide sufficient information to evaluate remedial alternatives, as required. A NYC OER RI was performed at the Site in June 2025 to investigate the anticipated contaminants of concern identified based on former uses of the Site. While the NYC OER RI sampling event provided preliminary Site characterization data, it did not fully determine the nature and extent of contamination at the Site. Exceedances detected during the NYC OER RI are summarized on Figures 4 through 6.

The Site characterization did not comprehensively delineate the extent of contamination at the Site; therefore, additional targeted soil, groundwater, and soil vapor sampling are proposed. The RI will be implemented upon approval of this RIWP. Results of the additional sample analyses 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. In addition, a qualitative exposure assessment will be conducted and will consider the nature of populations currently exposed or that have the potential to be exposed to Site-related contaminants both on and off Site, along with describing the reasonably anticipated future land use of the Site and affected off-Site areas.

2. Background

2.1 CURRENT LAND USE

The Site is currently improved with a one-story, slab-on-grade warehouse used for parking and storage.

2.2 SITE HISTORY

The Site was first developed as early as 1898 with two one-story garage buildings. By 1915, the northern half of the Site was occupied by two residential buildings. Between 1936-1950, two shed buildings were added on the southern portion of the Site. Around 1971, the current commercial warehouse was constructed and has been utilized for commercial uses including metal works, dry cleaning, and laundry facility with two oil storage tanks, printing, and auto repair through present day. The property has been occupied by Federal Express Corp in 1976, Perfect Auto Repair in 1991, Anco Transmissions Corp and Redline Auto Repair from 1991 to 2004, CP Trading and locksmith in 2005, Max Cleaners Inc. in 2007, Max JDJ Cleaners in 2008 (registered dry cleaner site), and Walnut Printing and A Roofing in 2014 and 2017.

2.3 SURROUNDING LAND USE

The Site is located within an urban area of the Long Island City neighborhood of Queens, New York, characterized by low-rise commercial buildings, multi-story residential apartment buildings, and one- and two-family homes. A Surrounding Land Use – Sensitive Receptor Map is included as Figure 3. The Metropolitan Transportation Authority (MTA) subway F line is located beneath 41st Avenue and the E M R, 7, N, and W lines are located approximately 0.08 miles south and southeast of the Site. Gotham Tech High School (Q417) is located approximately 0.004 miles west of the Site, ATLAS High School is located approximately 0.01 miles north of the Site, Sven Park is located approximately 0.04 miles east of the Site, Q575 Academy of American Studies is located approximately 0.06 miles northeast of the Site, and Dutch Kills Green is located approximately 0.07 miles south of the Site. There are five sensitive receptors within a 500-ft radius of the Site as listed below:

1) Gotham Tech High School (Q417) – 28-02 41st Avenue, Long Island City, New York 11101, listed as a public elementary, junior, or senior high school.
2) ATLAS High School – 28-01 41st Avenue, Long Island City, New York 11101, listed as a high school.
3) Sven Park – 29-59 Northern Blvd, Long Island City, New York 11101, listed as a park and plaza.
4) Q575 Academy of American Studies –40-02 29th Street, Long Island City, New York 11101, listed as a public elementary, junior, or senior high school.
5) Dutch Kills Green – Queens Plaza, Queensboro Bridge Greenway, Long Island City, New York 11101, listed as a park and plaza.

Properties immediately surrounding the Site are in R7-3 zoning areas for residential and a M1-5 manufacturing district.

2.4 SURROUNDING LAND USE HISTORY

Adjoining properties to the north of the Site have historically operated as a blacksmith, a moving picture show theater, a property with liquid carbonic acid storage, and a service station with five gasoline tanks from 1904 through 1950, followed by the Bushwick Houses from 1965 to present day. East-adjoining properties have included Brooklyn City H.R.R. Stables in 1888, then replaced by storefronts by 1907 that included Kay Laundry & Dry Cleaning Service in 1965. To the south, adjoining properties have included H.R.R. Car Sheds from 1887 to 1904 then replaced by storefronts that remained relatively unchanged through 2007. Western adjoining properties have included two- to three-story dwellings and storefronts, with oil storage noted in 1918.

2.5 PREVIOUS INVESTIGATIONS

The following previous investigations and reports were prepared for the Site and are included in Appendix A.

- April 2021 Phase I Environmental Site Assessment, prepared by P.W. Grosser Consulting, Inc. (PWGC) (*Appendix A, July 2025 Remedial Investigation Report*)
- May 2021 Phase II Environmental Site Assessment, prepared by PWGC (*Appendix A, July 2025 Remedial Investigation Report*)
- July 2025 Remedial Investigation Report, prepared by GEI Consultants, Inc., P.C. (GEI)

A summary of environmental findings of these investigations is provided below.

2.5.1 April 2021 Phase I Environmental Site Assessment Prepared by PWGC

PWGC completed a Phase I on behalf of iCross Capital for the Site. The Phase I ESA indicated that the Site was first improved with a residential building prior to 1891 and used for residential purposes through 1970. In approximately 1971, the present-day commercial warehouse was constructed and the Site has been utilized for commercial uses including metal works, dry cleaning, printing, and auto repair through present day.

The Phase I ESA identified the following Recognized Environmental Conditions (RECs):

- According to provided historical documents and reasonably ascertainable information, the site has historically been used for metal works, dry cleaning, and auto repair. Such activities commonly use petroleum products and chlorinated solvents as part of their routine operations. Improper storage and handling of such materials can potentially impact the subsurface. PWGC identified the Site's history for metal works, dry cleaning, and auto repair as a REC.
- During the Site reconnaissance, PWGC identified a metal rimmed object approximately 3 inches in diameter in the sidewalk adjacent to the northwest corner of the building indicate of a possible former port for a UST. PWGC did not identify an AST or UST within the property and the Site is currently connected to natural gas; however, this metal rimmed object can potentially be associated with a UST under the sidewalk which was used for storing heating oil prior to the Site's conversion to natural gas heat. Improperly abandoned USTs are prone to corrosion and

leaks which can go unchecked and impact the subsurface. PWGC identified the potential presence of a UST beneath the sidewalk in front of the building as a REC.

- The subject property is listed as an E-Designation site (E-104) for Hazardous Materials with Phase I and Phase II testing protocol required. Based on this potential PWGC believes that this represents a REC for the subject property.

The Phase I ESA identified the following environmental concerns:

- Possible presence of ACM and/or lead-based paint within the structure with recommendation to complete and asbestos and/or lead based [paint survey prior to demolition or renovation of the building.
- Potential presence of historic fill beneath the Site which would require special handling and disposal during construction.

The Phase I ESA recommended that a geophysical survey be completed, focusing on the potential UST area and a subsurface investigation with soil, groundwater, and soil vapor sampling be completed.

2.5.2 May 2021 Phase II Environmental Site Assessment Prepared by PWGC

PWGC completed a Phase II ESA on behalf of iCross Capital to investigate soil, groundwater, and sub-slab soil vapor quality beneath the Site. The investigation was performed on April 21, 2021 and included a geophysical investigation using ground-penetrating radar (GPR) to determine the absence or presence of a UST along the northern portion of the Site underneath the sidewalk and other subsurface objects; the installation of four soil borings to 25 ft bgs (SB001 through SB004) and collection of four shallow soil samples between 0 to 2, 3 to 5, and 5 to 7 ft bgs; the advancement of discreet groundwater sampling screens to 25 ft bgs and collection of two groundwater samples (GW001 and GW002); and, the installation of two temporary sub-slab soil vapor probes immediately below concrete cover and collection of two soil vapor samples (SV001 and SV002).

Soils observed generally consisted of fill material comprised of brown, medium to coarse sands with gravel and pieces of concrete to a depth of approximately 7 ft bgs. From 7 to 15 ft bgs, soils consisted of light brown medium sand with trace fine sand, and from 15 to 25 ft bgs soils consisted of brown fine sand with some silt. Minor staining with black coloration was observed at the SB002 and SB004 boring locations at 3 to 5 and 5 to 7 ft bgs, however, no odors or PID readings were documented. Groundwater was observed at approximately 22 ft bgs.

Four soil samples were collected during the Phase II ESA. Soil analytical results identified SVOCs and metals at concentrations above Restricted Residential SCOs, which is indicative of historical fill. No VOCs were detected at concentrations greater than UUSCOs, however, PCE was detected at a concentration below its UUSCO.

Two groundwater samples were collected as part of the Phase II ESA. VOCs were not detected above AWQS, but it should be noted that PCE was detected at concentrations below its AWQS. Several SVOCs and several total metals were detected above AWQS in each sample. Iron was the only dissolved metal detected above AWQS.

Two temporary sub-slab soil vapor probes were installed during the Phase II ESA. Sub-slab soil vapor results indicated elevated levels of PCE (maximum of 1,390 µg/m3). No other elevated VOCs were identified.

The Phase II ESA concluded that:

- The geophysical investigation did not identify a UST at the Site.
- Historic fill impacted with SVOCs and metals at concentrations exceeding RRSCOs was observed up to 7 ft bgs.
- Soil vapor impacted with PCE may be associated with an on site source of contamination and potentially associated with the Site's historical uses.

Prior to and as part of any future redevelopment, PWGC recommended that disposal of historic fill be handled in accordance with local, State, and Federal rules and regulations, that an additional subsurface investigation be completed to further investigate the presence of PCE in soil vapor (1,390 µg/m^3), and that a soil vapor mitigation system such as a vapor barrier or sub-slab depressurization system (SSDS) be installed during redevelopment.

2.5.3 July 2025 Remedial Investigation Report Prepared by GEI

GEI completed a New York City Office of Environmental Remediation (NYC OER) Remedial Investigation on behalf of 28-12 41st Ave LLC to establish remedial action objectives, evaluate remedial action alternatives, and select a remedy that included further investigation of soil, groundwater, sub-slab, and soil vapor quality beneath the Site. The investigation was performed on June 5 and 6, 2025 and included a Site inspection to identify Areas of Concern (AOCs) and physical obstructions; the installation of five soil borings to 25 ft bgs and collection of twelve soil samples; the installation of three temporary groundwater monitoring wells to establish groundwater flow and collection of three groundwater samples; and, the installation of five soil vapor probes and collection of five soil vapor samples and one indoor ambient air sample.

The NYC OER RI provided the following environmental findings:

1. Elevation of the property is 31 feet above mean sea level (amsl).

2. Depth to groundwater ranges from approximately 24.89 ft bgs. to 25.78 ft bgs at the Site.

3. Groundwater flow is generally from northeast to southwest beneath the Site.

4. Depth to bedrock is greater than 30 feet bgs at the Site.

5. The stratigraphy of the site, from the surface down, consists of up to 2 feet of fill material. This fill layer, where identified, was underlain by predominantly medium-grained sand, with a silt layer identified around the groundwater interface. In borings where fill material was identified, the fill consisted of predominantly sand and silt with varying amounts of brick, wood, asphalt, and concrete fragments.

6. Soil/fill samples collected during the RI showed:

- No VOCs or PCBs were detected above UUSCOs in the soil borings.
- The SVOC benzo(b)fluoranthene was detected at 1.4 mg/Kg in the soil boring SB-4 at a depth of 5 to 7 ft bgs. Additionally, the SVOC indeno(1,2,3-cd)pyrene was detected at 0.68 mg/Kg in this same boring at depth. Both detections exceed UUSCOs and PGWSCOs but are below RRUSCOs. No other SVOCs were detected above RRUSCOs or PGWSCOs.
- The pesticide 4,4'-DDT was detected at 0.0071 mg/Kg, above its UUSCO of 0.0033 mg/Kg, in the soil sample collected from boring SB-4 at a depth of 5 to 7 ft bgs. This detection is below the RRUSCO and PGWSCO for 4,4'-DDT. No other pesticides were detected above UUSCOs during the RI.
- Lead was detected at 67.1 mg/Kg in soil boring SB-3 at a depth of 5 to 7 ft bgs. Additionally, lead was detected at 85 mg/Kg in soil boring SB-4 at a depth of 5 to 7 ft bgs. Both detections exceed UUSCOs but are below RRUSCOs and PGWSCOs. No other metals were detected above UUSCOs during the RI.
- Emerging contaminants perfluoroalkyl and polyfluoroalkyl substances (PFAS) compounds were analyzed for in the soil collected from boring SB-3 at a depth of 5 to 7 feet. PFAS were not detected above laboratory detection limits. No historical on or off-Site sources were identified for PFAS.

7. Groundwater samples collected during the RI showed:

- No VOCs, pesticides, or PCBs were detected above their respective GQS.
- The SVOC benzo(a)pyrene was identified at 0.59 µg/L in the groundwater sample collected from monitoring well TW-3. No other SVOCs were detected above their respective GQS.
- The total metals arsenic (max of 133 µg/L in TW-2), barium (maximum of 4,410 µg/L in TW-2), cadmium (maximum of 9.1 µg/L in TW-2), chromium (maximum of 1,090 µg/L in TW-2), copper (maximum of 1,970 µg/L in TW-2), iron (maximum of 986,000 µg/L in TW-2), lead (maximum of 1,740 µg/L in TW-2), magnesium (maximum 586,000 µg/L in TW-2) and nickel (maximum of 1,300 µg/L in TW-2), sodium (maximum of 51,900 µg/L in TW-1) and mercury (0.93 µg/L in TW-2 only) were detected above their respective GGS. Sodium was the sole dissolved metal detected above GQS (51,800 µg/L in TW-1).
- The emerging contaminant 1,4-dioxane was analyzed using Selective Ion Monitoring (SIM) and was not detected in any groundwater samples.
- The emerging contaminants Per- and Polyfluoroalkyl Substances (PFAS) were analyzed in groundwater samples from all three monitoring wells. The NYSDEC issued its most recent guidance for PFAS in April 2023 which adopted the Ambient Water Quality Values (AWQS) of 6.7 ng/L for PFOA and 2.7 ng/L for PFOS. PFOA was detected above the AWQS (maximum of 33.5 ng/L in TW-2) in all three monitoring wells. PFOS was detected above the AWQS in two of the three monitoring wells (maximum of 28.2 ng/L in TW-2). No on-site sources were identified for PFAS.

8. Soil Vapor and Indoor Air samples collected during the RI showed:

- All the petroleum related VOCs included in the NYSDOH matrix guidance compounds were detected in soil vapor. Benzene was detected at concentrations ranging from 0.45 µg/m³ in SV 2 to 13.7 µg/m³ in SV-3), ethylbenzene was detected at concentrations ranging from 2.08 µg/m³ in

SV-1 to 64.2 µg/m³ in SV-4, naphthalene was detected at concentrations ranging from 0.63 µg/m³ in SV-1 to 65.8 µg/m³ in SV-4, cyclohexane was detected at concentrations ranging from 0.25 µg/m³ in SV-2 to 4.34 µg/m³ in SV-3, 2,2,4-trimethylpentane was detected at 7.84 µg/m³ in SV-3, only, 1,2,4-trimethylbenzene was detected at concentrations ranging from 2.87 µg/m³ in SV-1 to 8.71 µg/m³ in SV-5, 1,3,5-trimethylbenze was detected at concentrations ranging from 0.63 µg/m³ in in SV-1 to 2.02 µg/m³ in SV-3, o-xylene was detected at concentrations ranging from 3.78 µg/m³ in SV-2 to 95.1 µg/m³ in SV-4, total xylene was detected at concentrations ranging from 12.9 µg/m³ in SV-2, to 386 µg/m³ in SV-4, n-heptane was detected at concentrations ranging from 1.48 µg/m³ in SV-1 to 13.7 µg/m³ in SV-3), n-hexane was detected at concentrations ranging from 0.84 µg/m³ in SV-5 to 17.6 µg/m³ in SV-3 and toluene was detected at concentrations ranging from 3.04 µg/m³ in SV-2 to 16.4 µg/m³ in SV-3.

- All of the petroleum-related VOCs included in the NYSDOH matrix guidance were also detected in indoor air. The NYSDOH decision matrices were utilized to compare the sub-slab soil vapor samples with the indoor air sample. According to the NYDOH matrices, when comparing to soil vapor detections, no further action is recommended for benzene, cyclohexane, naphthalene, 2,2,4-trimethylpentane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, n-hexane, n-heptane, toluene. Monitoring is recommended for ethyl benzene, o-xylene, and m,p-xylene.
- CVOCs included in the NYSDOH matrix guidance detected in soil vapor include trichloroethylene (TCE) ranging from 0.25 µg/m³ in SV-2 to 95.7 µg/m³ in SV-4, carbon tetrachloride ranging from 0.26 µg/m³ in SV-1 to 0.50 µg/m³ in SV-3, tetrachloroethene (PCE) ranging from 171 µg/m³ in SV-3 to 11,500 µg/m³ in SV-4, 1,1,1-trichloroethane ranging from 0.65 µg/m³ in SV-3 to 77.1 µg/m³ in SV-5, and methylene chloride at 2.59 µg/m³ in SV-3 only, no other CVOCs included in the NYSDOH matrix guidance were detected.
- CVOCs included in the NYSDOH matrix guidance detected in indoor air include TCE, carbon tetrachloride, and PCE. The NYSDOH decision matrices were utilized to compare the sub-slab soil vapor samples with the indoor air sample. According to the NYSDOH matrices, mitigation is recommended for TCE, and PCE. No further action is recommended for carbon tetrachloride.

The NYC OER RI concluded that, based on the evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at the Site and that there are no known impediments to remedial action at 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. The NYSDEC and NYSDOH will be notified at least 7 days prior to mobilization to the Site for implementation of the RIWP. The following activities will be conducted to fill data gaps and determine the nature and extent of contamination at the Site.

The areas of concern associated with the Site were identified during the Phase II ESA and RI. These areas of concern include historical urban fill contaminated with SVOCs (specifically PAHs) and heavy metals

and shallow sub-slab soil vapor and deeper soil vapor at 10 ft bgs impacted with chlorinated VOCs (with elevated PCE concentrations) located in the central and southern regions of the Site.

3.1 UTILITY MARKOUT

A limited geophysical investigation and utility mark out was performed by Associated Environmental Services, Ltd. (Associated) across accessible areas of the Site on May 17, 2021 as part of the Phase II ESI. All accessible areas of the Site were scanned to locate utilities and subsurface anomalies. A second GPR scan will be performed prior to the commencement of any RI ground-intrusive activities. The GPR scan will potentially identify any underground structures in areas that were previously inaccessible in preparation for the proposed sampling work. 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 to the NYSDEC. Field personnel will mobilize to the Site to mark-out (with flagging or paint) the proposed soil sample locations. Prior to mobilization, 811-Dig Safe New York will be contacted to mark public underground utilities. If necessary, the adjacent property owners and/or private vendors will be contacted for assistance with marking out utilities. Once the utilities are marked, field equipment and personnel will be mobilized to the Site.

3.2 SELECTIVE DEMOLITION

The existing structures do not prohibit the implementation of a comprehensive remedial investigation, samples will be collected prior to demolition activities. During the remedial investigation, existing foundation slabs will remain in place serving as an engineering control until a remedial action plan is approved and implemented. Following the remedial investigation, the on-Site structure will be vacated, and a complete demolition of above grade structures will be completed as needed to facilitate Site development.

3.3 SOIL SAMPLING

To further characterize subsurface soil conditions, additional on-Site soil samples will be collected to meet NYSDEC Division of Environmental Remediation (DER)-10 requirements for RIs.

As part of this RI, nine borings will be installed by a track-mounted direct-push drill rig (Geoprobe®), or other drilling technology as needed, operated by a licensed operator. Soil samples will be collected from dedicated liners using stainless-steel macrocores, casings, or sampling spoons. Samples will be collected using laboratory-provided clean bottle ware. VOC grab samples will be collected using terra cores or encores. The final depths of soil borings will be determined by field observations and photoionization detector (PID) readings.

Soils will be logged continuously by a geologist or engineer using the Modified Burmister Soil Classification System. The presence of staining, odors, and PID readings will be noted. The sources of contamination will be considered during all field observations such as the proximity to fuel supply pipes or tanks. Sampling methods are described in the Field Sampling Plan (FSP) provided in Appendix C. A Quality Assurance Project Plan (QAPP) is provided in Appendix D. Laboratory data will be reported in Analytical Services Protocols (ASP) Category B deliverable format.

Soil samples representative of Site conditions will be collected at ten locations widely distributed across the Site, as shown in Figure 2. Up to three grab samples will be collected from each soil boring. One surface sample will be collected from the top 0 to 2 ft immediately beneath the impervious Site cover (i.e., surface soils). A second sample will be collected at the proposed development depth and between 14 to 16 ft bgs, but subject to field observation. A third sample will be collected, immediately above the groundwater interface, at an anticipated depth of 20 to 22 ft bgs, or will be adjusted based on actual groundwater depths observed during the RI.

Additional soil sampling intervals will be considered, and soil borings will be advanced at all boring locations until the vertical extent of contamination is reached based on visual/olfactory observations and PID readings. If visual/olfactory/PID evidence indicates the presence of petroleum or chlorinated solvent contamination at or below the water table interface, soil sampling will continue until no evidence of contamination is encountered. Additional soil samples will be required in the saturated zone for Volatile Organic Compound (VOC) analysis to delineate the vertical extent of soil contamination above Protection of Groundwater Soil Cleanup Objectives (PGWSCOs).

Prior to mobilization, Haley & Aldrich of New York will review available site plans, utility plans, and the locations of fuel supply line piping or remote fill lines and confirm the locations of such in the field with respect to proposed boring locations to evaluate these appurtenances as potential sources of contamination. Should evidence of source contamination be observed (i.e., grossly impacted soil or the presence of free-phase product in soil), additional borings will be completed to determine the lateral and vertical extent of source contamination.

The soil sampling and analysis plan is summarized in Table 1. Proposed sample locations are presented on Figure 2.

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;
- Polychlorinated Biphenyls (PCBs) using EPA Method 8082;
- TCL Pesticides using EPA Method 8081B;
- Per- and polyfluoroalkyl substances (PFAS) by EPA Method 1633A; and
- 1,4-dioxane by EPA Method 8270.

Samples to be analyzed for PFAS will be collected and analyzed in accordance with the NYSDEC-issued April 2023 “Sampling, Analysis, and Assessment of PFAS Under NYSDEC’s Part 375 Remedial Programs.” As needed, additional samples may be collected to satisfy waste characterization analytical needs for facilities located in neighboring states.

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. Groundwater flow is presumed to flow from the south to the north.

Five permanent monitoring wells will be installed to approximately 30 ft bgs or to at least 5 feet below the groundwater interface (if encountered at a shallower depth). Monitoring wells will have a 2-inch annular space and be installed using either #0 or #00 certified clean sand fill. Wells will be screened to straddle the groundwater interface, assumed to be encountered at approximately 22 to 25 ft bgs. The groundwater interface depth will be evaluated during initial work on the implementation of this RI in order to establish the proper range of well screening in the field. Observations will be communicated with NYSDEC daily in field reports, further detailed in Section 8.1.

Monitoring wells will be developed by surging a pump in the well several times to pull fine-grained material from the well. Development will continue until the water turbidity is 50 nephelometric turbidity units (NTUs) or less or 10 well volumes are removed, if possible. Groundwater sampling will occur at a minimum of one week after monitoring well 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 groundwater sampling and analysis plan is summarized in Table 1. Proposed monitoring well locations are provided in Figure 2. Proposed locations will be dependent on field observation and will be communicated with NYSDEC in daily reporting.

The proposed five 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;
- PCBs using EPA Method 8082;
- TCL Pesticides using EPA Method 8081B;
- PFAS using EPA Method 1633A; and
- 1,4-dioxane using EPA Method 8270 SIM.

Samples to be analyzed for PFAS will be collected and analyzed in accordance with the NYSDEC-issued April 2023 “Sampling, Analysis and Assessment of PFAS.”

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

mentioned above. Groundwater sampling will be conducted at least one week after monitoring well development.

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

3.5 INVESTIGATION-DERIVED WASTE

Following sample collection, boreholes that are not converted to monitoring wells will be backfilled with soil cuttings and an upper bentonite plug. Boreholes will be restored to grade with the surrounding area. If soil is identified as grossly contaminated, it will be separated and placed into a sealed and labeled New York State Department of Transportation (DOT)-approved 55-gallon drum pending characterization and off-Site disposal. Groundwater purged from the monitoring wells during development and sample collection will be placed into a DOT-approved 55-gallon drum pending off-Site disposal. Drums will be placed on secondary containment (e.g., placing drums on pallets) and will be covered (e.g., with tarps).

3.6 SOIL VAPOR SAMPLING

Soil vapor 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 points will be installed to 1 to 2 ft above the groundwater interface (approximately 22 to 25 ft bgs). The soil 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 EPA Method TO-15. Flow rate for both purging and sampling will not exceed 0.2 liters per minute (L/min). The soil vapor sampling and analysis plan is summarized in Table 1. Proposed soil vapor point locations are provided in Figure 2. Sampling methods are described in the FSP provided as Appendix C.

3.7 PROPOSED SAMPLING RATIONALE

Haley & Aldrich of New York has proposed the sampling plan described herein, and as shown on Figure 2, in consideration of observations reported during the April 2021 Phase I ESA and the findings and data generated from the May 2021 Phase II ESA and July 2025 RI, as described in Section 2.5. Consideration was also taken regarding the Site-wide excavation to 14 ft bgs in the proposed redevelopment plans.

During the previous investigations conducted at the Site, five soil borings, three temporary groundwater monitoring wells, and five soil vapor probes were installed, and one ambient indoor air sample was collected at the Site. However, the sample map from the previous investigations shows data gaps. Data gaps include the source of the elevated concentrations of PCE and TCE in soil vapor identified at the RI SV-2, SV-3, and SV-4 locations.

Sampling locations have been proposed to investigate areas of the Site with identified data gaps. Proposed sampling locations will include groundwater, soil, and soil vapor sampling to address data gaps and confirm if there is an on-Site source of contamination. Indoor air samples are not proposed as subsurface vapor characterization and other environmental sampling results would be needed to determine if they are warranted. Given that the building structure will be vacated soon after remedial investigation activities are completed, followed by demolition activities in advance of development, sub-slab sampling is not proposed as part of remedial investigation and design.

The Proposed Sample Location Plan (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.

4. Green and Sustainable Remediation and Climate Resiliency

The work completed as part of this work plan will comply with all NYSDEC guidance documents, including DER-31: Green Remediation (NYSDEC, 2011). To ensure compliance with DER-31, the work will be completed using the best practices and techniques described below. Specific reporting methods relative to DER-31 are further described below.

4.1 BEST PRACTICES AND TECHNIQUES

DER-31 provides examples of best practices and techniques that could be applied during all phases of remediation (Attachment 1 of the DER-31 policy). In addition, the techniques identified below will be implemented at sites unless a site-specific evaluation demonstrates impracticability or favors an alternative green approach:

Practice/Technique	Potential Benefits[1]	Applicable to this Work Plan
Use renewable energy where possible or purchase Renewable Energy Credits	Reduce/supplement purchased energy use	
Use of remediation technologies with an intermittent energy supply (i.e., energy use during peak energy generation only)	Reduce energy use	X
Incorporate green building design	Reduce future use impacts	
Reuse existing buildings and infrastructure to reduce waste	Reduce waste and material use	
Reuse and recycle construction and demolition debris and other materials (i.e., grind waste wood and other organics for on-site use)	Reduce waste and material use	
Design cover systems to be usable (i.e., habitat or recreation)	Reduce construction impacts of future development	
Reduce vehicle idling	Reduce air emissions and fuel use	X
Use of Low-Sulfur Diesel Fuel (LSDF) or alternate fuels (i.e., biodiesel or E85) when possible	Reduce air emissions	
Sequence work to minimize double handling of materials	Reduce construction impacts	X
Use energy-efficient systems and office equipment in the job trailer	Reduce energy use	X

[1]*Potential benefits listed are not comprehensive and will vary depending upon the site and implementation of the practice or technique.*

In order to comply with the requirements of DER-31, the following actions will be taken:

1. All vehicles and fuel-consuming equipment on the Site will be shut off if not in use for more than three minutes;

2. Work will be sequenced, to the extent practicable, to allow the direct loading of waste containers for off-Site disposal;
3. Work will be sequenced, to the extent practicable, to limit unnecessary mobilizations to and throughout the Site; and
4. To the extent practicable, energy-efficient systems and office equipment will be utilized.

4.2 REPORTING

All green and sustainable practices and techniques employed will be discussed in the forthcoming Remedial Investigation Report (RIR).

4.3 CLIMATE RESILIENCY EVALUATION

The Site is not located within a 100-year flood zone. The development plan is still under design but will incorporate consideration for resiliency to climate change, including the design of a cover system that will mimic, rather than alter, the current setting in the vicinity of the Site and will provide pathways for surface runoff and resiliency against future flooding events. A Climate Screening Checklist is provided in Appendix F.

4.4 ENVIRONMENTAL FOOTPRINT ANALYSIS

A preliminary environmental footprint analysis has been performed using Spreadsheets for the Environmental Footprint Analysis (SEFA) for the RI. The RI would potentially export up to approximately 1.1 tons of non-hazardous waste off the Site to a recycling facility. Additionally, the RI will potentially result in air emissions during drilling and off-Site disposal required. The RI will require the collection, transportation, and analysis of soi, groundwater, and soil samples. Results of the preliminary analysis, available in Appendix G, indicate the majority of greenhouse gas emissions, potentially exceeding 4.4 metric tons, to be the product of consumables and transportation associated with the RI.

5. Quality Assurance and Quality Control

Quality Assurance/Quality Control (QA/QC) procedures will be used to provide performance information with regard to the 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) to 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 D.

6. Data Use

6.1 DATA SUBMITTAL

Analytical data will be supplied in ASP Category B Data Packages. If more stringent than those suggested by the EPA, 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.

6.2 DATA VALIDATION

Data packages will be sent to a qualified data validation specialist to evaluate the 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 ASP. DUSRs will summarize and confirm the usability of the data for project-related decisions. Data validation will be completed in accordance with the DUSR guidelines from the NYSDEC DER. DUSRs will be included with the submittal of a RIR, further discussed in Section 8. Additional details on the DUSRs are provided in the QAPP in Appendix D.

7. Project Organization

A project team for the Site has been created based on qualifications and experience with personnel suited for successfully completing the project.

The NYSDEC Case Manager, TBD, will be responsible for overseeing the successful completion of the project work and adherence to the work plan on behalf of NYSDEC. TBD's contact information is as follows: TBD; NYSDEC – Division of Environmental Remediation; 47-40 21st Street, Long Island City, New York 11101.

The NYSDOH Case Manager, TBD, will be responsible for overseeing the successful completion of the project work and adherence to the work plan on behalf of NYSDOH. TBD's contact information is as follows: Public Health Specialist; NYSDOH – Bureau of Environmental Exposure Investigation; Empire State Plaza – Corning Tower, 17th Floor; Albany, New York 12237.

James M. 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 DER-10 guidance.

Luke J. McCartney, P.G. will be the Qualified Environmental Professional (QEP) and Project Manager for this work. In this role, Mr. McCartney will manage the day-to-day tasks, including coordination and supervision of field engineers and scientists, adherence to the work plan, and oversight of project schedule. As the Project Manager, Mr. McCartney will also be responsible for communications with the NYSDEC Case Manager regarding project status, schedule, issues, and updates for project work.

Zachary Simmel will be the Assistant Project Manager for this work and will also act as the Quality Assurance Officer (QAO). The QAO will ensure 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.

Joseph Mastro will be the field engineer responsible for implementing the field effort for this work. Mr. Mastro'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. (Lakewood). Lakewood will provide environmental drilling to implement the scope of work outlined in this RIWP.

The geophysical survey contractor will be NOVA Geophysical Services, Inc. (NOVA). In this role, NOVA will conduct a geophysical survey throughout all accessible regions of the Site prior to the performance of ground-intrusive work.

The analytical laboratory will be Alpha Analytical (Alpha) of Westborough, Massachusetts, a New York Environmental Laboratory Approval Program (ELAP)-certified laboratory (No. 11148). Alpha will be responsible for analyzing samples as per the analyses and methods identified in Section 3.

8. Health and Safety

8.1 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 H of this work plan. 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 Code of Federal Regulations (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 HASP 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 the general industry requirements as applicable based on the nature of work being performed.

8.2 COMMUNITY AIR MONITORING PLAN

The proposed investigation work will be completed indoors at the Site. Where intrusive drilling operations with the potential to disturb the subsurface are planned, community air monitoring will be implemented to protect the downwind receptors. A Haley & Aldrich of New York representative will continually monitor the breathing air in the vicinity of the immediate work area using a hand-held PID to measure total VOCs in air at concentrations as low as 1 part per million (ppm). The air in the work zone will also be monitored for visible dust generation.

If VOC measurements above 5 ppm are sustained for 15 minutes or visible dust generation is observed, the ground-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 Program (CAMP). During activities not disturbing the subsurface, personnel on the Site will monitor for visual dust and odors only. CAMP data will be provided to the NYSDEC in the daily reports, further detailed in Section 9. The NYSDOH CAMP guidance document is included in Appendix I.

8.3 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT

A comprehensive Qualitative Human Health Exposure Assessment (QHHEA) will be performed following the collection of all RI data. The exposure assessment will be performed in accordance with Section 3.3(c)4 of DER-10 and the NYSDOH guidance for performing a qualitative Exposure Assessment (EA) (DER-10; Appendix 3B). The results of the QHHEA will be provided in the RIR. According to Section 3.10 of DER-10, and the Fish and Wildlife Resources Impact Analysis Decision Key in DER-10, Appendix 3C, a Fish and Wildlife Exposure Assessment will be performed (if needed) based on the RI results.

9. Reporting

9.1 DAILY REPORTING

Daily reports will be submitted to the 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 a summary of community air monitoring performed. Daily reports will be submitted the following calendar day after Site work is completed.

9.2 REMEDIAL INVESTIGATION REPORT

Following completion of the work, a summary of the RI will be provided to the NYSDEC in an RIR to support the implementation of the 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 off the Site; and
- Conclusions and recommendations.

The RIR may be combined with the RAWP as an RIR/RAWP. The RIR/RAWP will include all data collected during the RI and adhere to the technical requirements of DER-10.

10. Schedule

The Site lessee as Volunteer plans to implement this RIWP promptly upon execution of a Brownfield Cleanup Agreement (BCA) and after approval of the RIWP. The anticipated schedule below highlights BCP milestones anticipated for the Site.

Anticipated RI/BCP Schedule	
RI Implementation	October 2025
BCP Application, Permitting, Remedial Investigation, Remedy Design, Remedial Action Work Plan, and 45-Day Public Comment Period (Concurrent with BCP application)	October 2025 – January 2026
Executed Brownfield Cleanup Agreement	January 2026
NYSDEC Approval of RIR/RAWP	February 2026
Building Demolition	February 2026
Remedial Construction Start	March 2026

References

1. P.W. Grosser Consulting, Inc., 2021. Phase I Environmental Site Assessment, 28-12 41st Avenue, Long Island City, New York. April.

2. P.W. Grosser Consulting, Inc., 2021. Phase II Environmental Site Assessment, 28-12 41st Avenue, Long Island City, New York. May.

3. GEI Consultants, Inc., P.C., 2025. Remedial Investigation Report, 28-12 41st Avenue, Long Island City, New York. July.

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

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

6. New York State Department of Environmental Conservation, 2011. DER-31: Green Remediation. 20 January.

7. New York State Department of Environmental Conservation, 2023. Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), revised April.

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

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

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

TABLES

TABLE 1
SAMPLING AND ANALYSIS PLAN
28-12 41ST AVENUE
REMEDIAL INVESTIGATION WORK PLAN

SOIL										
Boring Number	**Sample Depth**	**Units**	**Sample Rationale**	**Target Compound List VOCs (8260D/5035)**	**Target Compound List SVOCs (8270E)/(8270)**	**Total Analyte List Metals (6010D)/(6010)***	**PCBs (8082A)**	**Pesticides (8081B)**	**PFAS (1633A)**	**1,4-Dioxane (8270)/(8270E-SIM)**
RI-SB-01	0-2'	bgs	2-ft interval immediately below concrete slab	X	X	X	X	X	X	X
	12-14'	bgs	Development depth	X	X	X	X	X	X	X
	22-24'	bgs	Within 2-feet above groundwater interface	X	X	X	X	X	X	X
RI-SB-02	0-2'	bgs	2-ft interval immediately below concrete slab	X	X	X	X	X	X	X
	12-14'	bgs	Development depth	X	X	X	X	X	X	X
	22-24'	bgs	Within 2-feet above groundwater interface	X	X	X	X	X	X	X
RI-SB-03	0-2'	bgs	2-ft interval immediately below concrete slab	X	X	X	X	X	X	X
	12-14'	bgs	Development depth	X	X	X	X	X	X	X
	22-24'	bgs	Within 2-feet above groundwater interface	X	X	X	X	X	X	X
RI-SB-04	0-2'	bgs	2-ft interval immediately below concrete slab	X	X	X	X	X	X	X
	12-14'	bgs	Development depth	X	X	X	X	X	X	X
	22-24'	bgs	Within 2-feet above groundwater interface	X	X	X	X	X	X	X
RI-SB-05	0-2'	bgs	2-ft interval immediately below concrete slab	X	X	X	X	X	X	X
	12-14'	bgs	Development depth	X	X	X	X	X	X	X
	22-24'	bgs	Within 2-feet above groundwater interface	X	X	X	X	X	X	X
RI-SB-06	0-2'	bgs	2-ft interval immediately below concrete slab	X	X	X	X	X	X	X
	12-14'	bgs	Development depth	X	X	X	X	X	X	X
	22-24'	bgs	Within 2-feet above groundwater interface	X	X	X	X	X	X	X
RI-SB-07	0-2'	bgs	2-ft interval immediately below concrete slab	X	X	X	X	X	X	X
	12-14'	bgs	Development depth	X	X	X	X	X	X	X
	22-24'	bgs	Within 2-feet above groundwater interface	X	X	X	X	X	X	X
RI-SB-08	0-2'	bgs	2-ft interval immediately below concrete slab	X	X	X	X	X	X	X
	12-14'	bgs	Development depth	X	X	X	X	X	X	X
	22-24'	bgs	Within 2-feet above groundwater interface	X	X	X	X	X	X	X
RI-SB-09	0-2'	bgs	2-ft interval immediately below concrete slab	X	X	X	X	X	X	X
	12-14'	bgs	Development depth	X	X	X	X	X	X	X
	22-24'	bgs	Within 2-feet above groundwater interface	X	X	X	X	X	X	X
SOIL QA/QC										
Sample Name	**Depth**	**bgs**	**Parent Sample**	**Target Compound List VOCs (8260D/5035)**	**Target Compound List SVOCs (8270E)/(8270)**	**Total Analyte List Metals (6010D)/(6010)***	**PCBs (8082A)**	**Pesticides (8081B)**	**PFAS (1633A)**	**1,4-Dioxane (8270)/(8270E-SIM)**
FB-DATE				X	X	X	X	X	X	X
FB-DATE				X	X	X	X	X	X	X
MS-MSD-DATE				X	X	X	X	X	X	X
MS-MSD-DATE				X	X	X	X	X	X	X
DUP-01-DATE				X	X	X	X	X	X	X
DUP-02-DATE				X	X	X	X	X	X	X
TB-DATE				X						
TB-DATE				X						
TB-DATE				X						

GROUNDWATER								
Monitoring Well Number	**Sample Rationale**	**Target Compound List VOCs (8260D/5035)**	**Target Compound List SVOCs (8270E)/(8270)**	**Total Analyte List Metals (6010D)/(6010)***	**PCBs (8082A)**	**Pesticides (8081B)**	**PFAS (1633A)**	**1,4-Dioxane (8270)/(8270E-SIM)**	**Dissolved Target Analyte List Metals (6020)***
RI-MW-01	Straddle water table	X	X	X	X	X	X	X	X
RI-MW-02	Straddle water table	X	X	X	X	X	X	X	X
RI-MW-03	Straddle water table	X	X	X	X	X	X	X	X
RI-MW-04	Straddle water table	X	X	X	X	X	X	X	X
RI-MW-05	Straddle water table	X	X	X	X	X	X	X	X
GROUNDWATER QA/QC									
Monitoring Well Number	**Parent Sample**	**Target Compound List VOCs (8260D/5035)**	**Target Compound List SVOCs (8270E)/(8270)**	**Total Analyte List Metals (6010D)/(6010)***	**PCBs (8082A)**	**Pesticides (8081B)**	**PFAS (1633A)**	**1,4-Dioxane (8270)/(8270E-SIM)**	**Dissolved Target Analyte List Metals (6020)***
FB-DATE		X	X	X	X	X	X	X	X
MS-MSD-DATE		X	X	X	X	X	X	X	X
DUP-01-DATE		X	X	X	X	X	X	X	X
TB-DATE		X							
TB-DATE		X							

SOIL VAPOR				
Soil Vapor Point Number	**Sample Depth**	**Units**	**Sample Rationale**	**VOCs (TO-15)**
RI-SG-01	24'	bgs	2-feet above observed groundwater interface	X
RI-SG-02	24'	bgs	2-feet above observed groundwater interface	X
RI-SG-03	24'	bgs	2-feet above observed groundwater interface	X
RI-SG-04	24'	bgs	2-feet above observed groundwater interface	X
RI-SG-05	24'	bgs	2-feet above observed groundwater interface	X
RI-SG-06	24'	bgs	2-feet above observed groundwater interface	X
RI-SG-07	24'	bgs	2-feet above observed groundwater interface	X

Notes:

VOCs - Volatile Organic Compounds
SVOCs - Semi-volatile Organic Compounds
PCBs - Polychlorinated biphenyls
PFAS - Per- and Polyfluoroalkyl Substances

***Metals analyses for soil and groundwater to include hex/trivalent chromium and total cyanide (601D)/(6010)**
Sample depths may be adjusted based on visual, olfactory, and PID field screening
bgs - below grade surface

QA/QC samples include:

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

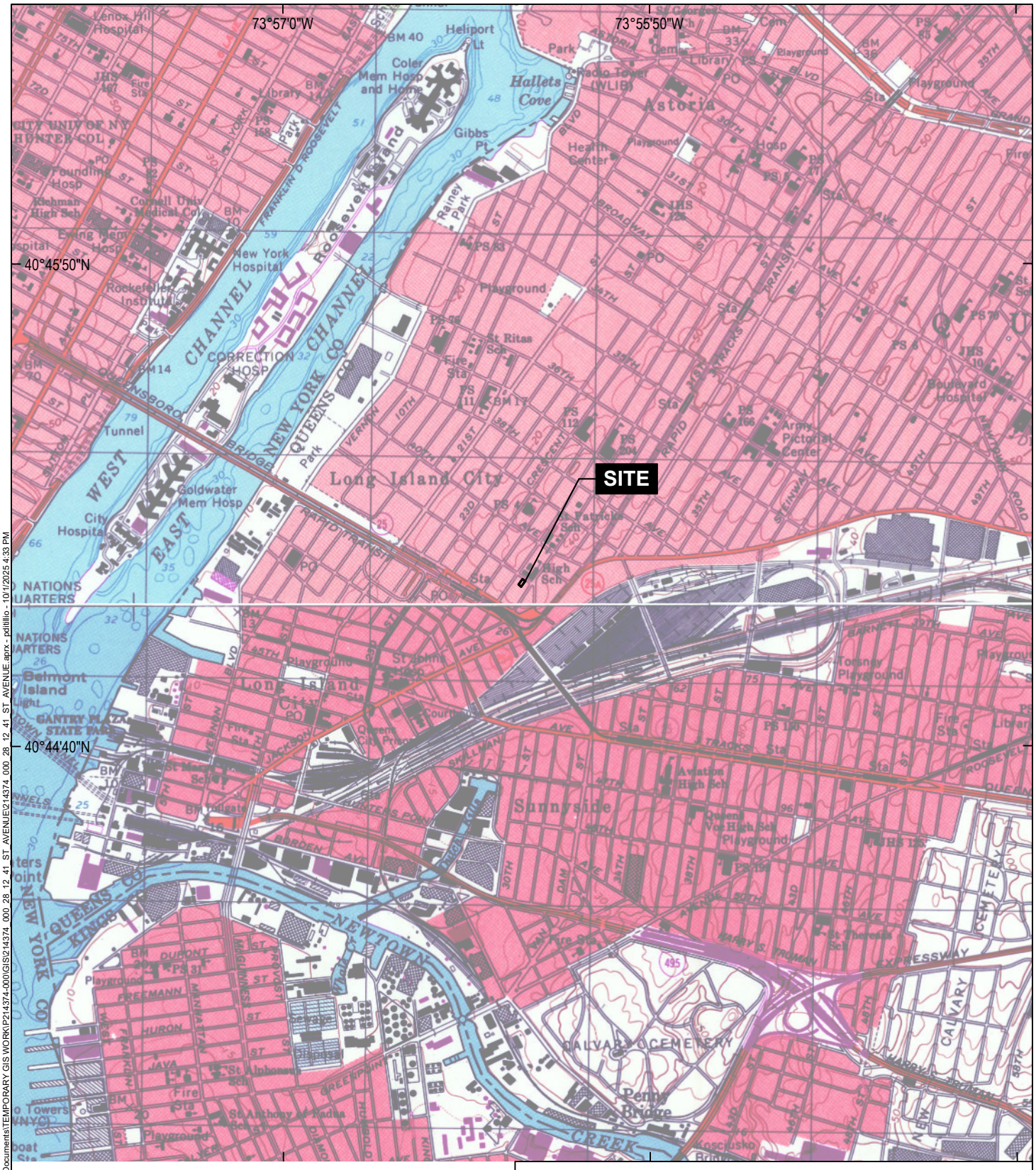
Soil QA/QC Samples:

(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

FIGURES







HALEY ALDRICH

28-12 41ST AVENUE
LONG ISLAND CITY, NEW YORK

PROJECT LOCUS

MAP SOURCE: USGS
SITE COORDINATES: 40°45'04"N, 73°56'14"W

APPROXIMATE SCALE: 1 IN = 2000 FT
OCTOBER 2025

FIGURE 1

GIS: C:\Users\pdilillo\OneDrive - haleyaldrich.com\Documents\TEMPORARY GIS WORK\P214374-000\GIS\214374_000_28_12_41_ST_AVENUE\214374_000_28_12_41_ST_AVENUE.aprx - pdilillo - 10/1/2025 4:33 PM



LEGEND

- SOIL BORING
- SOIL BORING/TEMPORARY MONITORING WELL
- SOIL VAPOR SAMPLE
- SITE/PARCEL BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, JULY 3, 2025

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SCALE IN FEET

HALEY ALDRICH

28-12 41ST AVENUE
LONG ISLAND CITY, NEW YORK

PROPOSED SAMPLE LOCATION PLAN

OCTOBER 2025

FIGURE 2

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LEGEND

SENSITIVE RECEPTOR

- PARK
- SCHOOL

LAND USE CATEGORY

- ONE AND TWO FAMILY BUILDINGS
- MULTI-FAMILY WALK-UP BUILDINGS
- MULTI-FAMILY ELEVATOR BUILDINGS
- MIXED RESIDENTIAL AND COMMERCIAL BUILDINGS
- COMMERCIAL AND OFFICE BUILDINGS
- INDUSTRIAL AND MANUFACTURING BUILDINGS
- TRANSPORTATION AND UTILITY
- PUBLIC FACILITIES AND INSTITUTIONS
- OPEN SPACE AND OUTDOOR RECREATION
- PARKING FACILITIES
- VACANT LAND
- 500-FT RADIUS
- SITE BOUNDARY
- PARCEL BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING, INFORMATION TECHNOLOGY DIVISION
3. SENSITIVE RECEPTOR DATA SOURCES: NEW YORK STATE OFFICE OF INFORMATION TECHNOLOGY SERVICES, NATIONAL CENTER FOR EDUCATION STATISTICS (NCES)
4. LAND USE DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
5. AERIAL IMAGERY SOURCE: NEARMAP, JULY 3, 2025

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HALEY ALDRICH

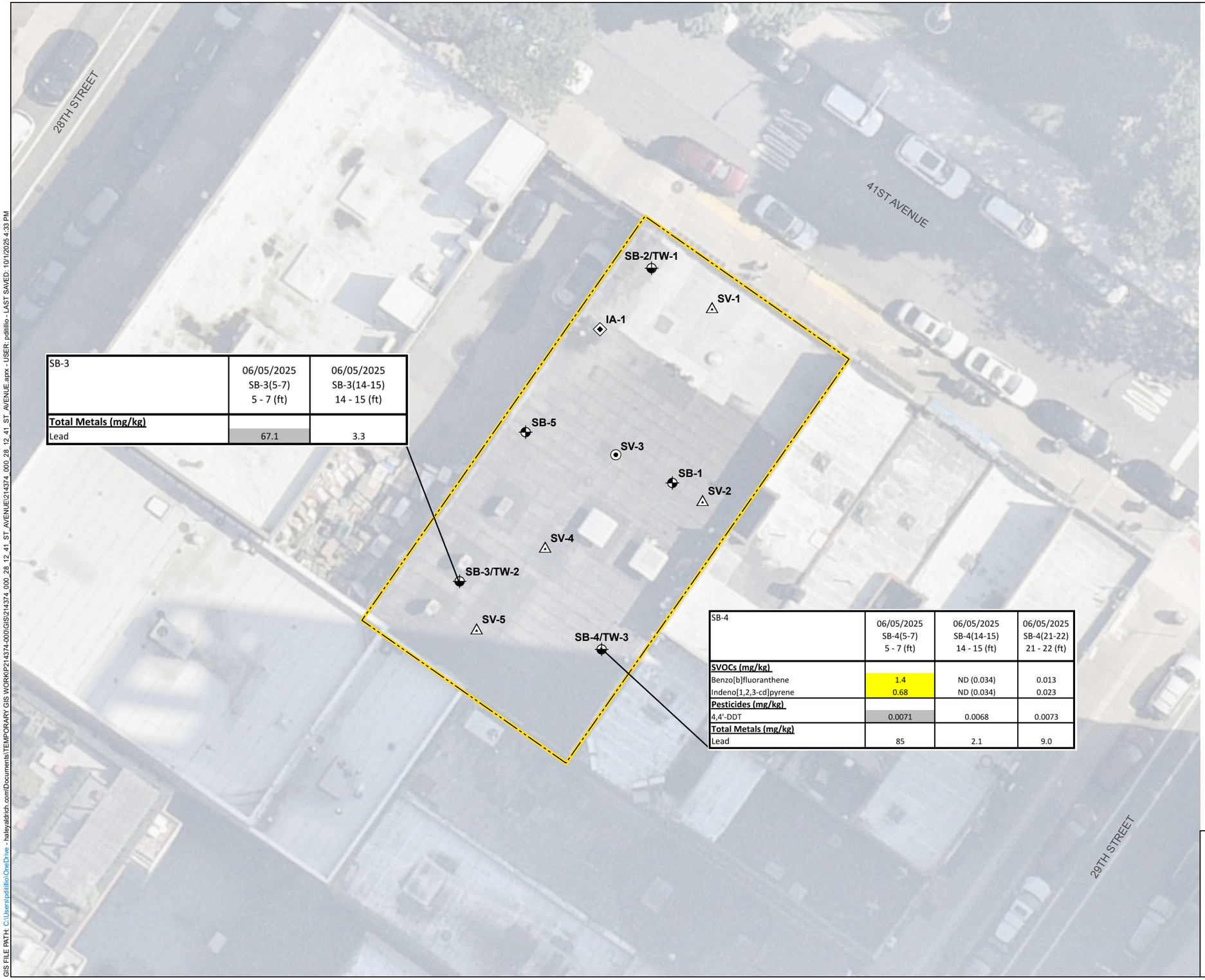
28-12 41ST AVENUE
LONG ISLAND CITY, NEW YORK

SURROUNDING LAND USE - SENSITIVE RECEPTOR MAP

OCTOBER 2025

FIGURE 3

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SB-3	06/05/2025 SB-3(5-7) 5 - 7 (ft)	06/05/2025 SB-3(14-15) 14 - 15 (ft)
Total Metals (mg/kg)		
Lead	67.1	3.3

SB-4	06/05/2025 SB-4(5-7) 5 - 7 (ft)	06/05/2025 SB-4(14-15) 14 - 15 (ft)	06/05/2025 SB-4(21-22) 21 - 22 (ft)
SVOCs (mg/kg)			
Benzo[b]fluoranthene	1.4	ND (0.034)	0.013
Indeno[1,2,3-cd]pyrene	0.68	ND (0.034)	0.023
Pesticides (mg/kg)			
4,4'-DDT	0.0071	0.0068	0.0073
Total Metals (mg/kg)			
Lead	85	2.1	9.0

LEGEND

- SOIL BORING
- SOIL BORING/TEMPORARY MONITORING WELL
- INDOOR AIR SAMPLE
- SOIL VAPOR SAMPLE
- SUB-SLAB SOIL VAPOR SAMPLE
- SITE BOUNDARY

	NY Part 375 Restricted Residential Use Soil Cleanup Objectives	NY Part 375 Unrestricted Use Soil Cleanup Objectives
SVOCs (mg/kg)		
Benzo[b]fluoranthene	1	1
Indeno[1,2,3-cd]pyrene	0.5	0.5
Pesticides (mg/kg)		
4,4'-DDT	7.9	0.0033
Total Metals (mg/kg)		
Lead	400	63

- No formating - indicate a detection in soil above reporting limit but below comparison criteria
- 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.

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, JULY 3, 2025

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HALEY ALDRICH

28-12 41ST AVENUE
LONG ISLAND CITY, NEW YORK

SOIL ANALYTICAL RESULTS SUMMARY

OCTOBER 2025

FIGURE 4

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TW-2 06/06/2025	
Total Metals (ug/L)	
Arsenic	133
Barium	4410
Cadmium	9.1
Chromium	1090
Copper	1970
Iron	986000
Lead	1740
Manganese	27400
Nickel	1300
Sodium, Total	28200
Mercury	0.93
PFAS (ug/L)	
Perfluorooctanesulfonic acid (PFOS)	0.0282
Perfluorooctanoic acid (PFOA)	0.0335

TW-1 06/06/2025	
Total Metals (ug/L)	
Iron	12400
Manganese	4750
Sodium, Total	51900
Sodium, Dissolved	51800
PFAS (ug/L)	
Perfluorooctanoic acid (PFOA)	0.0299

TW-3 06/06/2025	
SVOCs (ug/L)	
Benzo(a)pyrene	0.59
Total Metals (ug/L)	
Arsenic	76
Barium	3060
Cadmium	6.4
Chromium	969
Copper	1500
Iron	781000
Lead	895
Manganese	25500
Nickel	982
Sodium, Total	19300
PFAS (ug/L)	
Perfluorooctanesulfonic acid (PFOS)	0.00872
Perfluorooctanoic acid (PFOA)	0.0106

LEGEND

- SOIL BORING
- SOIL BORING/TEMPORARY MONITORING WELL
- INDOOR AIR SAMPLE
- SOIL VAPOR SAMPLE
- SUB-SLAB SOIL VAPOR SAMPLE
- SITE BOUNDARY

	New York TOGS 111 Ambient Water Quality Standards	NYSDEC GUIDANCE VALUES FOR PFOS/PFOA
SVOCs (ug/L)		
Benzo(a)pyrene	0	NA
Total Metals (ug/L)		
Arsenic	25	NA
Barium	1000	NA
Cadmium	5	NA
Chromium	50	NA
Copper	200	NA
Iron	300	NA
Lead	25	NA
Manganese	300	NA
Nickel	100	NA
Sodium, Total	20000	
Sodium, Dissolved	20000	NA
Mercury	0.7	NA
PFAS (ug/L)		
Perfluorooctanesulfonic acid (PFOS)	NA	0.0027
Perfluorooctanoic acid (PFOA)	NA	0.0067

-: Not Analyzed
- Grey shading indicates an exceedance of the NYSDEC TOGS Standards and Guidance Values
- Yellow shading indicates an exceedance of the NYSDEC PFAS Standards

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, JULY 3, 2025

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28-12 41ST AVENUE
LONG ISLAND CITY, NEW YORK

GROUNDWATER ANALYTICAL RESULTS SUMMARY

OCTOBER 2025

FIGURE 5

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Sample ID	SV-3
Sample Depth	Sub-slab
Sample Date	6/6/2025
Matrix	Sub-slab
Volatile Organic Compounds (ug/m3)	
1,1,1-Trichloroethane	0.65
1,1,2-Trichlorotrifluoroethane	0.58
1,2,4-Trimethylbenzene	7.55
1,3,5-Trimethylbenzene	2.02
1,3-Dichlorobenzene	10.1
1,4-Dioxane	2.60
2,2,4-Trimethylpentane	7.84
4-Ethyltoluene	2.07
4-Isopropyltoluene	0.69
Acetone	695
Benzene	13.7
Carbon disulfide	3.75
Carbon tetrachloride	0.5
Chlorobenzene	0.64
Chlorodifluoromethane	1.82
Chloroform	0.68
Chloromethane	1.48
Cumene	0.90
Cyclohexane	4.34
Dichlorodifluoromethane	2.39
Ethylbenzene	12.4
Isopropyl alcohol	62.6
m,p-Xylene	53.3
Methyl Butyl Ketone (2-Hexanone)	2.67
Methyl Ethyl Ketone	49.3
methyl isobutyl ketone	4.3
Naphthalene	0.86
n-Butane	6.67
n-Butylbenzene	0.55
n-Heptane	13.7
n-Hexane	17.6
n-Propylbenzene	1.5
Styrene	2.26
tert-Butyl alcohol	7.31
Tetrachloroethene	171
Tetrahydrofuran	5.39
Toluene	16.4
Trichloroethene	1.13
Trichlorofluoromethane	1.59
Xylene (total)	73.3
Xylene, o-	19.9
Calculated Totals	
SUM of VOCs	1282.53
SUM of BTEX	115.80
SUM of CVOCs	173.28

Sample ID	IA-1
Sample Depth	N/A
Sample Date	6/6/2025
Matrix	Indoor Air
Volatile Organic Compounds (ug/m3)	
1,1,2-Trichlorotrifluoroethane	0.62
1,2,4-Trimethylbenzene	3.8
1,3,5-Trimethylbenzene	1.03
1,3-Butadiene	3.61
1,4-Dichlorobenzene	0.6
2,2,4-Trimethylpentane	5.58
4-Ethyltoluene	0.92
Acetone	20.1
Benzene	7.78
Carbon disulfide	0.64
Carbon tetrachloride	0.51
Chlorodifluoromethane	1.71
Chloromethane	1.6
Cyclohexane	4.01
Dichlorodifluoromethane	3.28
Ethylbenzene	3.65
m,p-Xylene	15.8
Methyl Ethyl Ketone	3.04
Naphthalene	1.9
n-bButane	4.83
n-Butylbenzene	0.39
n-Heptane	2.61
n-Hexane	13
n-Propylbenzene	0.65
Styrene	0.97
Tetrachloroethene	71
Toluene	10.7
Trichloroethene	0.28
Trichlorofluoromethane	1.72
Xylene (total)	20.9
Xylene, o-	5.07
Calculated Totals	
SUM of VOCs	212.50
SUM of BTEX	43.03
SUM of CVOCs	71.99

Sample ID	SV-1
Sample Depth	10 ft bgs
Sample Date	6/6/2025
Matrix	Soil Vapor
Volatile Organic Compounds (ug/m3)	
1,1,1-Trichloroethane	1.81
1,1,2-Trichlorotrifluoroethane	0.6
1,2,4-Trimethylbenzene	2.87
1,3,5-Trimethylbenzene	0.63
1,3-Dichlorobenzene	0.87
4-Ethyltoluene	0.67
Acetone	31.8
Benzene	0.84
Carbon disulfide	1.43
Carbon tetrachloride	0.26
Chlorobenzene	0.57
Chlorodifluoromethane	2.41
Chloroform	2.14
Cyclohexane	0.31
Dichlorodifluoromethane	2.55
Ethylbenzene	2.08
Isopropyl alcohol	10.5
m,p-Xylene	9.2
Methyl Ethyl Ketone	4.41
methyl isobutyl ketone	1.26
Naphthalene	0.63
n-Heptane	1.48
n-Hexane	1.07
n-Propylbenzene	0.46
Styrene	0.98
tert-Butyl alcohol	5.41
Tetrachloroethene	278
Toluene	3.12
Trichloroethene	0.82
Trichlorofluoromethane	2.06
Xylene (total)	13
Xylene, o-	3.82
Calculated Totals	
SUM of VOCs	388.06
SUM of BTEX	19.04
SUM of CVOCs	280.89

Sample ID	SV-5
Sample Depth	10 ft bgs
Sample Date	6/6/2025
Matrix	Soil Vapor
Volatile Organic Compounds (ug/m3)	
1,1,1-Trichloroethane	77.1
1,1,2-Trichlorotrifluoroethane	0.61
1,2,4-Trimethylbenzene	8.71
1,3,5-Trimethylbenzene	0.91
1,3-Butadiene	0.23
1,3-Dichlorobenzene	0.74
1,4-Dioxane	1.57
4-Ethyltoluene	0.89
Acetone	28.9
Benzene	0.91
Carbon disulfide	2.01
Carbon tetrachloride	0.39
Chlorobenzene	0.82
Chlorodifluoromethane	12.4
Chloroform	1.45
Cyclohexane	0.34
Dichlorodifluoromethane	3.01
Ethylbenzene	5.81
Isopropyl alcohol	14.5
m,p-Xylene	24.2
Methyl Butyl Ketone (2-Hexanone)	2.42
Methyl Ethyl Ketone	4.64
methyl isobutyl ketone	2.56
Methyl methacrylate	0.53
Naphthalene	1.38
n-Butylbenzene	0.46
n-Heptane	1.66
n-Hexane	0.84
n-Propylbenzene	0.64
Styrene	1.46
Tetrachloroethene	524
Toluene	3.75
Trichloroethene	35.4
Trichlorofluoromethane	3.96
Xylene (total)	33.8
Xylene, o-	9.58
Calculated Totals	
SUM of VOCs	812.58
SUM of BTEX	44.27
SUM of CVOCs	636.89

Sample ID	SV-4
Sample Depth	Sub-slab
Sample Date	6/6/2025
Matrix	Sub-slab
Volatile Organic Compounds (ug/m3)	
1,1,1-Trichloroethane	13.9
1,3-Butadiene	4.49
Acetone	598
Benzene	9
Ethylbenzene	64.2
m,p-Xylene	291
Methyl Ethyl Ketone	38.5
n-Heptane	10.5
n-Hexane	15.2
Tetrachloroethene	11500
Toluene	12.2
Trichloroethene	95.7
Xylene (total)	386
Xylene, o-	95.1
Calculated Totals	
SUM of VOCs	13133.79
SUM of BTEX	471.40
SUM of CVOCs	11609.60

Sample ID	SV-2
Sample Depth	10ft bgs
Sample Date	6/6/2025
Matrix	Soil Vapor
Volatile Organic Compounds (ug/m3)	
1,1,1-Trichloroethane	1.87
1,1,2-Trichlorotrifluoroethane	0.6
1,2,4-Trimethylbenzene	3.14
1,3,5-Trimethylbenzene	0.71
1,3-Dichlorobenzene	0.68
4-Ethyltoluene	0.76
Benzene	0.45
Carbon disulfide	1.22
Carbon tetrachloride	0.27
Chlorobenzene	0.72
Chlorodifluoromethane	5.14
Chloroform	0.92
Cyclohexane	0.25
Dichlorodifluoromethane	2.47
Ethylbenzene	2.26
Isopropyl alcohol	8.6
m,p-Xylene	9.14
Methyl Ethyl Ketone	0.63
methyl isobutyl ketone	1.1
Naphthalene	1.1
n-Butane	0.82
n-Butylbenzene	0.44
n-Heptane	2.39
n-Hexane	4.31
n-Propylbenzene	0.5
Styrene	1.05
Tetrachloroethene	183
Toluene	3.04
Trichloroethene	0.25
Trichlorofluoromethane	2.65
Xylene (total)	12.9
Xylene, o-	3.78
Calculated Totals	
SUM of VOCs	257.16
SUM of BTEX	18.65
SUM of CVOCs	185.39

LEGEND

- SOIL BORING
- SOIL BORING/TEMPORARY MONITORING WELL
- INDOOR AIR SAMPLE
- SOIL VAPOR SAMPLE
- SUB-SLAB SOIL VAPOR SAMPLE
- SITE BOUNDARY

Matrix A	Monitor	Mitigate
1,1-Dichloroethene	6 - 60	> 60
Carbon tetrachloride	6 - 60	> 60
cis-1,2-Dichloroethene	6 - 60	> 60
Trichloroethene	6 - 60	> 60
Matrix B		
1,1,1-Trichloroethane	100 - 1000	> 1000
Tetrachloroethene	100 - 1000	> 1000
Methylene chloride (Dichloromethane)	100 - 1000	> 1000
Matrix C		
Vinyl chloride	6 - 60	> 60
Matrix D		
Benzene	60 - 600	> 600
Ethylbenzene	60 - 600	> 600
Naphthalene	60 - 600	> 600
Cyclohexane	60 - 600	> 600
2,2,4-Trimethylpentane	60 - 600	> 600
1,2,4-Trimethylbenzene	60 - 600	> 600
1,3,5-Trimethylbenzene	60 - 600	> 600
o-Xylene	60 - 600	> 600
Matrix E		
m,p-Xylenes	200 - 2000	> 2000
N-Heptane	200 - 2000	> 2000
Hexane	200 - 2000	> 2000
Matrix F		
Toluene	300 - 3000	> 3000

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, JULY 3, 2025

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SCALE IN FEET

HALEY ALDRICH

28-12 41ST AVENUE
LONG ISLAND CITY, NEW YORK

SOIL VAPOR AND INDOOR AIR ANALYTICAL RESULTS SUMMARY

OCTOBER 2025

FIGURE 6

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APPENDIX A
Previous Reports

28-12 41ST AVENUE

QUEENS, NEW YORK

Remedial Investigation Report

OER Project Number: 25TMP1168Q, 25EHAZ222Q

Prepared for:

28-12 41st Ave LLC

172 Parkway Drive, Rosyln Heights, NY 11577

929-333-1997

Prepared by:

GEI Consultants, Inc., P.C.

1000 New York Avenue, Suite B, Huntington Station, NY 11746

631-760-9300

JULY 2025

REMEDIAL INVESTIGATION REPORT

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FIGURES

Figure 1. Site Location Map

Figure 2. Site Boundary

Figure 3. Proposed Site Development

Figure 4. Surrounding Land Use

Figure 5. Location of Soil Borings, Temporary Monitoring Wells, and Soil Vapor Samples

Figure 6. Soil Chemistry Results

Figure 7. Groundwater Chemistry Results

Figure 8. Soil Vapor and Indoor Air Chemistry Results.

TABLES

Table 1. Soil Analytical Results

Table 1A. PFAS in Soil Analytical Results

Table 2. Groundwater Analytical Results

Table 2A. PFAS in Groundwater Analytical Results

Table 3. Soil Vapor and Indoor Air Analytical Results

APPENDICES

Appendix A. Previous Environmental Reports

Appendix B. Soil Boring Geologic Logs

Appendix C. Laboratory Data Deliverables for Soil Analytical Data

Appendix D. Laboratory Data Deliverables for Groundwater Analytical Data

Appendix E. Laboratory Data Deliverables for Soil Vapor and Indoor Air Analytical Data

Appendix F. NYSDOH Decision Matrices, May 2017 (revised February 2024)

LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, William J. Fitchett, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 28-12 41st Avenue Site, (OER Project Number: 25TMP1168Q, 25EHAZ222Q). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

William J. Fitchett	7/14/2025	
Qualified Environmental Professional	Date	Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The Site is located at 28-12 41st Avenue in the Long Island City section of Queens, New York and is identified as Block 417 and Lot 20 on the New York City Tax Map. The Site is 5000-square feet and is bounded by 41st Avenue to the north, a 2-story commercial building and a 2-story mixed use commercial and residential building to the south a 2-story mixed use commercial and residential building to the east, and a commercial parking lot to the west. Currently, the Site is used for parking and storage and contains a single-story warehouse building.

Summary of Proposed Redevelopment Plan

The proposed redevelopment plan consists of the demolition of the single-story existing building and construction of a 10-story condominium project with 31 residential units. The new building will include a partial cellar which will be utilized for storage and utility purposes only. The first floor will include amenity spaces and the building's entrance and will cover 60% of the lot. Landscaping is proposed on the remaining 40% at grade level.

The cellar covers 62% of the lot (62 ft. from the front of the new building and the entire width of the new building) and will extend to 10 ft. bgs., however, for the purpose of support of excavation (SOE) the maximum excavation in certain areas will be done up to 12 to 14 ft below grade, with approximately 200 tons of soil projected to be removed.

The building will rise 100 ft. tall above grade with floor 1 on grade level to 10^{th} floor being the topmost floor building will only use 60% of the lot size. The remaining 40% will be landscaped. The roof of the building is proposed to have a mechanical system of the building, elevator bulkhead and certain area for patio area. The current zoning designation is Industrial and Manufacturing M15R73. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

According to the Phase I ESA performed by PWGC in April 2021, the Site was first improved with a residential building prior to 1891 and used for residential purposes through 1970. In approximately 1971, the present-day commercial warehouse was constructed and the Site has been utilized for commercial uses including metal works, dry cleaning, printing, and auto repair through present day.

The AOCs identified for this site include:

1. The potential presence of fill material
2. The area near where an elevated concentration of PCE detected in soil vapor (1,390 $\mu g/m^3$)

Summary of the Work Performed under the Remedial Investigation

GEI performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.).
2. Installed five soil borings across the entire project Site, and collected 12 soil samples for chemical analysis from the soil borings to evaluate soil quality.
3. Installed three temporary groundwater monitoring wells throughout the Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality.
4. Installed five soil vapor probes around Site perimeter and collected five samples for chemical analysis.
5. Deployed one indoor air canister and collected one indoor air sample for chemical analysis

Summary of Environmental Findings

1. Elevation of the property is 31 feet above mean sea level (amsl).
2. Depth to groundwater ranges from approximately 24.89 ft. bgs. to 25.78 ft. bgs at the Site.

3. Groundwater flow is generally from northeast to southwest beneath the Site.

4. Depth to bedrock is greater than 30 feet bgs. at the Site.

5. The stratigraphy of the site, from the surface down, consists of up to 2 feet of fill material. This fill layer, where identified, was underlain by predominantly medium-grained sand, with a silt layer identified around the groundwater interface. In borings where fill material was identified, the fill consisted of predominantly sand and silt with varying amounts of brick, wood, asphalt and concrete fragments.

6. Soil/fill samples collected during the RI showed:

- No VOCs or PCBs were detected above UUSCOs in the soil borings.
- The SVOC benzo(b)fluoranthene was detected at 1.4 mg/Kg in the soil boring SB-4 at a depth of 5 to 7 ft. bgs. Additionally, the SVOC indeno(1,2,3-cd)pyrene was detected at 0.68 mg/Kg in this same boring at depth. Both detections exceed UUSCOs and PGWSCOs but are below RRUSCOs. No other SVOCs were detected above RRUSCOs or PGWSCOs.
- The pesticide 4,4'-DDT was detected at 0.0071 mg/Kg, above its UUSCO of 0.0033 mg/Kg, in the soil sample collected from boring SB-4 at a depth of 5 to 7 ft. bgs. This detection is below the RRUSCO and PGWSCO for 4,4'-DDT. No other pesticides were detected above UUSCOs during the RI.
- Lead was detected at 67.1 mg/Kg in soil boring SB-3 at a depth of 5 to 7 ft. bgs. Additionally, lead was detected at 85 mg/Kg in soil boring SB-4 at a depth of 5 to 7 ft. bgs. Both detections exceed UUSCOs but are below RRUSCOs and PGWSCOs. No other metals were detected above UUSCOs during the RI.
- Emerging contaminants perfluoroalkyl and polyfluoroalkyl substances (PFAS) compounds were analyzed for in the soil collected from boring SB-3 at a depth of 5 to 7 feet. PFAS were not detected above laboratory detection limits. No historical on or off-Site sources were identified for PFAS.

7. Groundwater samples collected during the RI showed:

   - No VOCs, pesticides, or PCBs were detected above their respective GQS.
   - The SVOC benzo(a)pyrene was identified at 0.59 µg/L in the groundwater sample collected from monitoring well TW-3. No other SVOCs were detected above their respective GQS.
   - The total metals arsenic (max of 133 µg/L in TW-2), barium (maximum of 4,410 µg/L in TW-2), cadmium (maximum of 9.1 µg/L in TW-2), chromium (maximum of 1,090 µg/L in TW-2), copper (maximum of 1,970 µg/L in TW-2), iron (maximum of 986,000 µg/L in TW-2), lead (maximum of 1,740 µg/L in TW-2), magnesium (maximum 586,000 µg/L in TW-2) and nickel (maximum of 1,300 µg/L in TW-2), sodium (maximum of 51,900 µg/L in TW-1) and mercury (0.93 µg/L in TW-2 only) were detected above their respective GGS. Sodium was the sole dissolved metal detected above GQS (51,800 µg/L in TW-1).
   - The emerging contaminant 1,4-dioxane was analyzed using Selective Ion Monitoring (SIM) and was not detected in any groundwater samples.
   - The emerging contaminants Per- and Polyfluoroalkyl Substances (PFAS) were analyzed in groundwater samples from all three monitoring wells. The NYSDEC issued its most recent guidance for PFAS in April 2023 which adopted the Ambient Water Quality Values (AWQS) of 6.7 ng/L for PFOA and 2.7 ng/L for PFOS. PFOA was detected above the AWQS (maximum of 33.5 ng/L in TW-2) in all three monitoring wells. PFOS was detected above the AWQS in two of the three monitoring wells (maximum of 28.2 ng/L in TW-2). No on-site sources were identified for PFAS.

8. Soil Vapor and Indoor Air samples collected during the RI showed:

   - All the petroleum related VOCs included in the NYSDOH matrix guidance compounds were detected in soil vapor. Benzene was detected at concentrations ranging from 0.45 µg/m³ in SV 2 to 13.7 µg/m³ in SV-3), ethylbenzene was detected at concentrations ranging from 2.08 µg/m³ in SV-1 to 64.2 µg/m³ in SV-4, naphthalene was detected at concentrations ranging from 0.63 µg/m³ in SV-1 to 65.8 µg/m³ in SV-4, cyclohexane was detected at concentrations ranging from

0.25 µg/m³ in SV-2 to 4.34 µg/m³ in SV-3, 2,2,4-trimethylpentane was detected at 7.84 µg/m³ in SV-3, only, 1,2,4-trimethylbenzene was detected at concentrations ranging from 2.87 µg/m³ in SV-1 to 8.71 µg/m³ in SV-5, 1,3,5-trimethylbenze was detected at concentrations ranging from 0.63 µg/m³ in in SV-1 to 2.02 µg/m³ in SV-3, o-xylene was detected at concentrations ranging from 3.78 µg/m³ in SV-2 to 95.1 µg/m³ in SV-4, total xylene was detected at concentrations ranging from 12.9 µg/m³ in SV-2, to 386 µg/m³ in SV-4, n-heptane was detected at concentrations ranging from 1.48 µg/m³ in SV-1 to 13.7 µg/m³ in SV-3), n-hexane was detected at concentrations ranging from 0.84 µg/m³ in SV-5 to 17.6 µg/m³ in SV-3 and toluene was detected at concentrations ranging from 3.04 µg/m³ in SV-2 to 16.4 µg/m³ in SV-3.

- All of the petroleum-related VOCs included in the NYSDOH matrix guidance were also detected in indoor air. The NYSDOH decision matrices were utilized to compare the sub-slab soil vapor samples with the indoor air sample. According to the NYDOH matrices, when comparing to soil vapor detections, no further action is recommended for benzene, cyclohexane, naphthalene, 2,2,4-trimethylpentane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, n-hexane, n-heptane, toluene. Monitoring is recommended for ethyl benzene, o-xylene, and m,p-xylene.
- CVOCs included in the NYSDOH matrix guidance detected in soil vapor include trichloroethylene (TCE) ranging from 0.25 µg/m³ in SV-2 to 95.7 µg/m³ in SV-4, carbon tetrachloride ranging from 0.26 µg/m³ in SV-1 to 0.50 µg/m³ in SV-3, tetrachloroethene (PCE) ranging from 171 µg/m³ in SV-3 to 11,500 µg/m³ in SV-4, 1,1,1-trichloroethane ranging from 0.65 µg/m³ in SV-3 to 77.1 µg/m³ in SV-5, and methylene chloride at 2.59 µg/m³ in SV-3 only, no other CVOCs included in the NYSDOH matrix guidance were detected.
- CVOCs included in the NYSDOH matrix guidance detected in indoor air include TCE, carbon tetrachloride, and PCE. The NYSDOH decision matrices were utilized to compare the sub-slab soil vapor samples with the indoor air sample. According to the NYSDOH matrices, mitigation is recommended for TCE, and PCE. No further action is recommended for carbon tetrachloride.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

The Long Island City section of Queens, New York. 28-12 41st Ave LLC intends to develop and has investigated a 0.11-acre site located at 28-12 41st Avenue in Residential use is proposed for the property. The RI work was performed between June 5 and June 6, 2025. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 28-12 41st Avenue in the Long Island City section of Queens, New York and is identified as Block 417 and Lot 20 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 5000-square feet and is bounded by 41st Avenue to the north, a 2-story commercial building and a 2-story mixed use commercial and residential building to the south a 2-story mixed use commercial and residential building to the east, and a commercial parking lot to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is used for parking and storage and contains a single-story warehouse building.

1.2 Proposed Redevelopment Plan

The proposed redevelopment plan consists of the demolition of the single-story existing building and construction of a 10-story condominium project with 31 residential units. The new building will include a partial cellar which will be utilized for storage and utility purposes only. The first floor will include amenity spaces and the building entrance and will cover 60% of the lot. Landscaping is proposed on the remaining 40% at grade level.

The cellar covers 62% of the lot (62 ft. from the front of the building and the entire width of the building) and will extend to 10 ft. bgs., however for the purpose of support of excavation (SOE) the maximum excavation in certain areas will be done up to 12 to 14 ft below grade, with approximately 200 tons of soil projected to be removed.

The building will rise 100 ft. tall above grade with floor 1 on grade level to 10th floor being the topmost floor building will only use 60% of the lot size. The remaining 40% will be landscaped. The roof of the building is proposed to have a mechanical system of the building, elevator bulkhead and certain area for patio area. Layout of the proposed site development is presented in Figure 3. The current zoning designation is Industrial and Manufacturing M15R73. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The Site is located within a residential and commercial area of Queens, New York. A high school is located north of the Site across 41st Avenue. There are no other nearby sensitive receptors such as schools, hospitals, and day care facilities within a 250 to 500-foot radius.

Figure 4 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

According to the Phase I ESA performed by PWGC in April 2021, the Site was first improved with a residential building prior to 1891 and used for residential purposes through 1970. In approximately 1971, the present-day commercial warehouse was constructed and the Site has been utilized for commercial uses including metal works dry cleaning, printing, and auto repair through present day.

2.2 Previous Investigations

A Phase I ESA was conducted by PWGC in April 2021. The Phase I ESA revealed the presence of the following recognized environmental conditions (RECs):

- *According to provided historical documents and reasonably ascertainable information, the site has historically been used for metal works, dry cleaning, and auto repair. Such activities commonly use petroleum products and chlorinated solvents as part of their routine operations. Improper storage and handling of such materials can potentially impact the subsurface. PWGC identified the Site's history for metal works, dry cleaning, and auto repair as a REC.*
- *During the Site reconnaissance, PWGC identified a metal rimmed object approximately 3 inches in diameter in the sidewalk adjacent to the northwest corner of the building indicate of a possible former port for a UST. PWGC did not identify an AST or UST within the property and the Site is currently connected to natural gas; however, this metal rimmed object can potentially be associated with a UST under the sidewalk which was used for storing heating oil prior to the Site's conversion to natural gas heat. Improperly abandoned USTs are prone to corrosion and leaks which can go unchecked and impact the subsurface. PWGC identified the potential presence of a UST beneath the sidewalk in front of the building as a REC.*
- *The subject property is listed as an E-Designation site (E-104) for Hazardous Materials with Phase I and Phase II testing protocol required. Based on this potential PWGC believes that this represents a REC for the subject property.*

In response to the Phase I ESA findings, PWGC performed a Phase II ESA in May 2021. The Phase II ESA included performance of a ground penetrating radar (GPR) Survey, which did not reveal the presence of any underground anomalies that could be indicative of USTs.

Four soil samples were collected during the Phase II ESA. Soil analytical results identified SVOCs and metals at concentrations above Restricted Residential SCOs, which is indicative of historical fill. No VOCs were detected at concentrations greater than UUSCOs, however, PCE was detected at a concentration below its UUSCO.

Two groundwater samples were collected as part of the Phase II ESA. VOCs were not detected above AWQS, but it should be noted that PCE was detected at concentrations below its AWQS. Several SVOCs and several total metals were detected above AWQS in each sample. Iron was the only dissolved metal detected above AWQS.

Two temporary sub-slab soil vapor probes were installed during the Phase II ESA. Sub-slab soil vapor results indicated elevated levels of PCE (maximum of 1,390 $\mu g/m^3$). No other elevated VOCs were identified.

2.3 Site Inspection

A Site Inspection was performed on June 5, 2025, by William J. Fitchett of GEI Consultants, Inc. The site was found to be covered with the single-story warehouse building and the concrete slab was found to be fully intact.

2.4 Areas of Concern

The AOCs identified for this site include:

1. The potential presence of fill material
2. The area near where an elevated concentration of PCE detected in soil vapor (1,390 $\mu g/m^3$)

Previous environmental reports are presented in Appendix A.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Professional (QEP) responsible for preparation of this RIR is William J. Fitchett.

3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

GEI performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.).
2. Installed five soil borings across the entire project Site, and collected 12 soil samples for chemical analysis from the soil borings to evaluate soil quality.
3. Installed three temporary groundwater monitoring wells throughout the Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality.
4. Installed five soil vapor probes around Site perimeter and collected five samples for chemical analysis.
5. Deployed one indoor air canister and collected one indoor air sample for chemical analysis.

4.1 Geophysical Investigation

The geophysical survey was performed by American Geophysics at the Site on June 5, 2025. The geophysical survey did not identify any underground anomalies or subsurface utilities within the drilling area.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

Five soil borings were performed at the Site using direct-push (GeoProbe®) drilling equipment. All work was recorded in a field log. A QEP screened the soil samples during borehole advancement for organic vapors with a photo-ionization detector (PID) and evaluated for visual and olfactory impacts prior to collecting environmental samples. No elevated PID readings or visual/olfactory impacts were noted during the field work. Two soil samples were collected from the three of the test borings for laboratory analysis, from a depth of 5 to 7 ft. bgs., and 14 to 15 ft. bgs. Three samples were collected from two of the test borings for laboratory analysis, from a depth of 5 to 7 ft. bgs., 14 to 15 ft. bgs, and the interval above the groundwater interface.

Boring logs were prepared by a QEP are attached in Appendix B. A map showing the location of soil borings and temporary monitoring wells is shown in Figure 5.

Groundwater Monitoring Well Construction

Soil boring SB-2 was extended to 30 ft. bgs for the installation of temporary monitoring well TW-1 and soil boring SB-4 was extended to 30 ft. bgs. for the installation of temporary monitoring well TW-3. Temporary monitoring TW-2 was installed to 25 ft. bgs. in the borehole for SB-3. The temporary monitoring wells were constructed of 1-inch polyvinyl chloride (PVC) well screen inserted into the borehole and connected to 1-inch PVC riser. A check valve and bailor were then utilized to collect groundwater from the temporary well screen. Groundwater was encountered at 24.89 ft. bgs. to 25.78 ft. bgs.

Temporary monitoring well locations are shown in Figure 5.

Survey

Each sample point location at the Site was recorded by measuring distance to fixed benchmarks during the RI.

Water Level Measurement

Shallow groundwater was encountered beneath the Site between 24.89 and 25.78 ft. bgs. Groundwater was measured with a Solints® water level meter. No evidence of non-aqueous phase liquid was observed.

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for all areas of concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

Twelve soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Table 1 and Table 1A. Figure 5 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

RI soil samples were obtained by a Geoprobe® Model 6610 with dedicated macrocore sleeves. The selected soil sample was collected and placed in a laboratory pre-cleaned sample jar. The sample jars were then placed in a cooler and chilled to a temperature of 4 degrees C in accordance with standard operating procedures. All soil cores were field-screened using a PID with an 10.6 eV lamp, which measures relative concentrations of volatile organic compounds (VOCs) in the soil. The PID was calibrated at the beginning of each field day with 100 parts per million (ppm) isobutylene calibration gas. The soil samples were then transported under standard Chain-of-Custody procedures to Eurofins Environment Testing, Inc., (Eurofins) a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory. Eurofins implemented quality assurance and quality control (QA/QC) procedures including the analysis of lab duplicates and lab blanks, which were the only analysis of duplicate and blank samples for this project.

GEI implements a QA/QC Plan to ensure sample integrity and avoid contamination and/or cross-contamination of samples. Dedicated disposable equipment is used whenever possible. All reusable sampling equipment is cleaned before each sample is collected. The following procedures are followed in the decontamination process:

1. **Step 1:** Scrub with a bristle brush using a non-phosphate detergent (such as Alconox).
2. **Step 2:** Rinse with hot tap water.
3. **Step 3:** Rinse twice with deionized water.
4. **Step 4:** Air dry.
5. **Step 5:** Nitric Acid (5%) solution rinse (if sampling for metals).
6. **Step 6:** Rinse twice with deionized water.
7. **Step 7:** Air dry.

Groundwater Sampling

Three groundwater samples were collected for chemical analysis during this RI. Groundwater sample collection data is reported in Table 2 and Table 2A. Figure 5 shows the location of groundwater sampling. Laboratories and analytical methods are shown below. Groundwater samples were collected and the sample bottles were then placed in a cooler and chilled to a temperature of 4 degrees C in accordance with standard operating procedures.

The groundwater samples were then transported under standard Chain-of Custody procedures to Eurofins Environment Testing (Eurofins) a NYSDOH ELAP-certified laboratory. Eurofins implemented QA/QC procedures including the analysis of lab duplicates and lab blanks.

Soil Vapor Sampling

Five soil vapor probes were installed and five soil vapor samples were collected for chemical analysis during this RI. Additionally, one indoor air canister was deployed and one indoor air sample was collected. Soil vapor and indoor air sampling locations are shown in Figure 5. Soil vapor and indoor air sample collection data is reported in Table 3. Soil vapor sampling logs are included in the Chain-of-Custody in Appendix E. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Katelyn Proulx and Elizabeth Nye
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were Eurofins Environment Testing
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007) • VOCs by EPA Method 8260C (rev. 2006) • SVOCs by EPA Method 8270D (rev. 2007) • Pesticides by EPA Method 8081B (rev. 2000)

	• PCBs by EPA Method 8082A (rev. 2000) • PFAS by EPA Method 1633A Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007) • VOCs by EPA Method 8260C (rev. 2006) • SVOCs by EPA Method 8270D (rev. 2007) • Pesticides by EPA Method 8081B (rev. 2000) • PCBs by EPA Method 8082A (rev. 2000) • 1,4-Dioxane by EPA Method 8270D with SIM • PFAS by EPA Method 1633A Soil vapor analytical methods: • VOCs by TO-15 VOC parameters

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 1-3, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendices C, D and E. Figures 6, 7 and 8 present a summary of the Soil, Groundwater and Soil Vapor and Indoor Air chemistry results.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

During the GEI RI, fill material was identified at depths up to 2 ft. bgs. This fill layer was underlain by predominantly medium-grained sand, with a silt layer identified around the groundwater interface. In borings where fill material was identified, the fill consisted of predominantly sand and silt with varying amounts of brick, wood, asphalt and concrete fragments.

Hydrogeology

The average depth to groundwater is 25.38 ft. bgs. and the range in depth is 24.89 ft. bgs. to 25.78 ft. bgs. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in Figure 6. Regional groundwater flow is from northeast to southwest.

Shallow groundwater was encountered beneath the Site between 24.89 and 25.78 ft. bgs. Groundwater was measured with a Solints® water level meter. No evidence of non-aqueous phase liquid was observed.

5.2 Soil Chemistry

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Table 1 and Table 1A. Figure 7 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 2 Soil Cleanup Objectives.

- No VOCs or PCBs were detected above UUSCOs in the soil borings.
- The SVOC benzo(b)fluoranthene was detected at 1.4 mg/Kg in the soil boring SB-4 at a depth of 5 to 7 ft. bgs. Additionally, the SVOC indeno(1,2,3-cd)pyrene was detected at 0.68 mg/Kg in this same boring at depth. Both detections exceed UUSCOs and PGWSCOs but are below RRUSCOs. No other SVOCs were detected above RRUSCOs or PGWSCOs.
- The pesticide 4,4'-DDT was detected at 0.0071 mg/Kg, above its UUSCO of 0.0033 mg/Kg, in the soil sample collected from boring SB-4 at a depth of

5 to 7 ft. bgs. This detection is below the RRUSCO and PGWSCO for 4,4'-DDT. No other pesticides were detected above UUSCOs during the RI.

- Lead was detected at 67.1 mg/Kg in soil boring SB-3 at a depth of 5 to 7 ft. bgs. Additionally, lead was detected at 85 mg/Kg in soil boring SB-4 at a depth of 5 to 7 ft. bgs. Both detections exceed UUSCOs but are below RRUSCOs and PGWSCOs. No other metals were detected above UUSCOs during the RI.
- Emerging contaminants perfluoroalkyl and polyfluoroalkyl substances (PFAS) compounds were analyzed for in the soil collected from boring SB-3 at a depth of 5 to 7 feet. PFAS were not detected above laboratory detection limits. No historical on or off-Site sources were identified for PFAS.

5.3 Groundwater Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Table 2 and Table 2A. Exceedances of applicable groundwater standards are shown.

Figure 8 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

- No VOCs, pesticides, or PCBs were detected above their respective GQS.
- The SVOC benzo(a)pyrene was identified at 0.59 µg/L in the groundwater sample collected from monitoring well TW-3. No other SVOCs were detected above their respective GQS.
- The total metals arsenic (max of 133 µg/L in TW-2), barium (maximum of 4,410 µg/L in TW-2), cadmium (maximum of 9.1 µg/L in TW-2), chromium (maximum of 1,090 µg/L in TW-2), copper (maximum of 1,970 µg/L in TW-2), iron (maximum of 986,000 µg/L in TW-2), lead (maximum of 1,740 µg/L in TW-2), magnesium (maximum 586,000 µg/L in TW-2) and nickel (maximum of 1,300 µg/L in TW-2), sodium (maximum of 51,900 µg/L in TW-1) and mercury (0.93 µg/L in TW-2 only) were detected above their respective GGS. Sodium was the sole dissolved metal detected above GQS (51,800 µg/L in TW-1).

- The emerging contaminant 1,4-dioxane was analyzed using Selective Ion Monitoring (SIM) and was not detected in any groundwater samples.
- The emerging contaminants Per- and Polyfluoroalkyl Substances (PFAS) were analyzed for in groundwater samples from all three monitoring wells. The NYSDEC issued its most recent guidance for PFAS in April 2023 which adopted the Ambient Water Quality Values (AWQS) of 6.7 ng/L for PFOA and 2.7 ng/L for PFOS. PFOA was detected above the AWQS (maximum of 33.5 ng/L in TW-2) in all three monitoring wells. PFOS was detected above the AWQS in two of the three monitoring wells (maximum of 28.2 ng/L in TW-2). No on-site sources were identified for PFAS.

5.4 Soil Vapor and Indoor Air Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor and indoor air samples is included in Table 3.

Figure 8 shows the location and posts the values for soil vapor samples with detected concentrations, along with highlighted exceedances in the NYSDOH decision matrices for sub-slab soil vapor samples and the indoor air sample.

- All the petroleum-related VOCs included in the NYSDOH matrix guidance compounds were detected in soil vapor. Benzene was detected at concentrations ranging from 0.45 µg/m³ in SV-2 to 13.7 µg/m³ in SV-3), ethylbenzene was detected at concentrations ranging from 2.08 µg/m³ in SV-1 to 64.2 µg/m³ in SV-4, naphthalene was detected at concentrations ranging from 0.63 µg/m³ in SV-1 to 65.8 µg/m³ in SV-4, cyclohexane was detected at concentrations ranging from 0.25 µg/m³ in SV-2 to 4.34 µg/m³ in SV-3, 2,2,4-trimethylpentane was detected at 7.84 µg/m³ in SV-3, only, 1,2,4-trimethylbenzene was detected at concentrations ranging from 2.87 µg/m³ in SV-1 to 8.71 µg/m³ in SV-5, 1,3,5-trimethylbenze was detected at concentrations ranging from 0.63 µg/m³ in in SV-1 to 2.02 µg/m³ in SV-3, o-xylene was detected at concentrations ranging from 3.78 µg/m³ in SV-2 to 95.1 µg/m³ in SV-4, total xylene was detected at concentrations ranging from 12.9 µg/m³ in SV-2, to 386 µg/m³ in SV-4, n-heptane

was detected at concentrations ranging from 1.48 µg/m³ in SV-1 to 13.7 µg/m³ in SV-3), n-hexane was detected at concentrations ranging from 0.84 µg/m³ in SV-5 to 17.6 µg/m³ in SV-3 and toluene was detected at concentrations ranging from 3.04 µg/m³ in SV-2 to 16.4 µg/m³ in SV-3.

- All of the petroleum-related VOCs included in the NYSDOH matrix guidance were also detected in indoor air. The NYSDOH decision matrices were utilized to compare the sub-slab soil vapor samples with the indoor air sample. According to the NYDOH matrices, when comparing to soil vapor detections, no further action is recommended for benzene, cyclohexane, naphthalene, 2,2,4-trimethylpentane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, n-hexane, n-heptane, toluene. Monitoring is recommended for ethyl benzene, o-xylene, and m,p xylene.
- CVOCs included in the NYSDOH matrix guidance detected in soil vapor include trichloroethylene (TCE) ranging from 0.25 µg/m³ in SV-2 to 95.7 µg/m³ in SV-4, carbon tetrachloride ranging from 0.26 µg/m³ in SV-1 to 0.50 µg/m³ in SV-3, tetrachloroethene (PCE) ranging from 171 µg/m³ in SV-3 to 11,500 µg/m³ in SV-4, 1,1,1-trichloroethane ranging from 0.65 µg/m³ in SV-3 to 77.1 µg/m³ in SV-5, and methylene chloride at 2.59 µg/m³ in SV-3 only, no other CVOCs included in the NYSDOH matrix guidance were detected.
- CVOCs included in the NYSDOH matrix guidance detected in indoor air include TCE, carbon tetrachloride, and PCE. The NYSDOH decision matrices were utilized to compare the sub-slab soil vapor samples with the indoor air sample. According to the NYSDOH matrices, mitigation is recommended for TCE, and PCE. No further action is recommended for carbon tetrachloride.

The NYSDOH decision matrices are included as Appendix F.

5.5 Prior Activity

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

5.6 Impediments to Remedial Action

There are no known impediments to remedial action at this property.

Tables

Table 1. Soil Analytical Results
28-12 41st Avenue
Long Island City, NY 11101
OER Project Number 25TMP1168Q, 25EHAZ222Q

Sample ID Sample Depth (ft.) Sample Date Matrix Dilution Factor	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Residential Use SCOs	SB-1(5-7) 5-7 6/5/2025 Soil 1		SB-1(14-15) 14-15 6/5/2025 Soil 1		SB-2(5-7) 5-7 6/5/2025 Soil 1		SB-2(14-15) 14-15 6/5/2025 Soil 1		SB-2(21-22) 21-22 6/5/2025 Soil 1		SB-3(5-7) 5-7 6/5/2025 Soil 1		SB-3(14-15) 14-15 6/5/2025 Soil 1		SB-4(5-7) 5-7 6/5/2025 Soil 1		SB-4(14-15) 14-15 6/5/2025 Soil 1		SB-4(21-22) 21-22 6/5/2025 Soil 1		SB-5(5-7) 5-7 6/6/2025 Soil 1		SB-5(14-15) 14-15 6/6/2025 Soil 1	
VOCs	**mg/Kg**	**mg/Kg**	**mg/Kg**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**
1,1,1-Trichloroethane	0.68	0.68	100	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
1,1,2-Trichloroethane	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
1,1-Dichloroethane	0.27	0.27	26	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
1,1-Dichloroethene	0.33	0.33	100	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
1,2,3-Trichlorobenzene	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
1,2,4-Trichlorobenzene	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
1,2-Dibromo-3-Chloropropane	NA	NA	NA	0.00059	U *	0.00061	U *	0.00057	U *	0.00064	U *	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
1,2-Dichlorobenzene	1.1	1.1	100	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
1,2-Dichloroethane	NA	0.02	3.1	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
1,2-Dichloropropane	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
1,3-Dichlorobenzene	2.4	2.4	49	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
1,4-Dichlorobenzene	1.8	1.8	13	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
2-Butanone (MEK)	0.12	0.12	100	0.0030	U	0.0030	U	0.0029	U	0.0032	U	0.0018	J	0.0027	U	0.0030	U	0.0028	U	0.0035	U	0.0036	U	0.0038	U	0.0030	U
2-Hexanone	NA	NA	NA	0.0030	U	0.0030	U	0.0029	U	0.0032	U	0.0030	U	0.0027	U	0.0030	U	0.0028	U	0.0035	U	0.0036	U	0.0038	U	0.0030	U
4-Methyl-2-pentanone (MIBK)	NA	NA	NA	0.0030	U	0.0030	U	0.0029	U	0.0032	U	0.0030	U	0.0027	U	0.0030	U	0.0028	U	0.0035	U	0.0036	U	0.0038	U	0.0030	U
Acetone	0.05	0.05	100	0.0035	U	0.0037	U	0.0034	U	0.0039	U	0.023		0.0033	U	0.0036	U	0.0034	U	0.0041	U	0.0043	U	0.0045	U	0.0036	U
Benzene	0.06	0.06	4.8	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Bromoform	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Bromomethane	NA	NA	NA	0.0012	U	0.0012	U	0.0011	U	0.0013	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0014	U	0.0014	U	0.0015	U	0.0012	U
Carbon disulfide	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Carbon tetrachloride	0.76	0.76	2.4	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Chlorobenzene	1.1	1.1	100	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Chlorobromomethane	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Chlorodibromomethane	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Chloroethane	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Chloroform	0.37	0.37	49	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Chloromethane	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
cis-1,2-Dichloroethene	0.25	0.25	100	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
cis-1,3-Dichloropropene	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Cyclohexane	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Dichlorobromomethane	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Dichlorodifluoromethane	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Ethylbenzene	1	1	41	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Ethylene Dibromide	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Isopropylbenzene	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Methyl acetate	NA	NA	NA	0.0030	U *	0.0030	U *	0.0029	U *	0.0032	U *	0.0030	U	0.0027	U	0.0030	U	0.0028	U	0.0035	U	0.0036	U	0.0038	U *	0.0030	U*
Methyl tert-butyl ether	0.93	0.93	100	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Methylcyclohexane	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Methylene Chloride	0.05	0.05	100	0.0012	U	0.0012	U	0.0011	U	0.0013	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.0014	U	0.0014	U	0.0015	U	0.0012	U
m-Xylene & p-Xylene	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
o-Xylene	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Styrene	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Tetrachloroethene	1.3	1.3	19	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00023	J	0.0016		0.00060	U	0.0017		0.00069	U	0.00071	U	0.00075	U	0.00021	J
Toluene	0.7	0.7	100	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00020	J	0.00061	U
trans-1,2-Dichloroethene	0.19	0.19	100	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
trans-1,3-Dichloropropene	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Trichloroethene	0.47	0.47	21	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Trichlorofluoromethane	NA	NA	NA	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Vinyl chloride	0.02	0.02	0.9	0.00059	U	0.00061	U	0.00057	U	0.00064	U	0.00061	U	0.00054	U	0.00060	U	0.00056	U	0.00069	U	0.00071	U	0.00075	U	0.00061	U
Total Conc	NA	NA	NA									0.02503		0.0016				0.0017						0.0002		0.00021	
SVOCs	**mg/Kg**	**mg/Kg**	**mg/Kg**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**
1,1'-Biphenyl	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
1,4-Dioxane	0.1	0.1	13	0.034	U	0.035	U	0.034	U	0.035	U	0.034	U	0.038	U	0.034	U	0.037	U	0.034	U	0.036	U	0.034	U	0.036	U

Table 1. Soil Analytical Results
28-12 41st Avenue
Long Island City, NY 11101
OER Project Number 25TMP1168Q, 25EHAZ222Q

Sample ID Sample Depth (ft.) Sample Date Matrix Dilution Factor	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Residential Use SCOs	SB-1(5-7) 5-7 6/5/2025 Soil 1		SB-1(14-15) 14-15 6/5/2025 Soil 1		SB-2(5-7) 5-7 6/5/2025 Soil 1		SB-2(14-15) 14-15 6/5/2025 Soil 1		SB-2(21-22) 21-22 6/5/2025 Soil 1		SB-3(5-7) 5-7 6/5/2025 Soil 1		SB-3(14-15) 14-15 6/5/2025 Soil 1		SB-4(5-7) 5-7 6/5/2025 Soil 1		SB-4(14-15) 14-15 6/5/2025 Soil 1		SB-4(21-22) 21-22 6/5/2025 Soil 1		SB-5(5-7) 5-7 6/6/2025 Soil 1		SB-5(14-15) 14-15 6/6/2025 Soil 1	
2,2'-oxybis[1-chloropropane]	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
2,3,4,6-Tetrachlorophenol	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
2,4,5-Trichlorophenol	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
2,4,6-Trichlorophenol	NA	NA	NA	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U
2,4-Dichlorophenol	NA	NA	NA	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U
2,4-Dimethylphenol	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
2,4-Dinitrophenol	NA	NA	NA	0.27	U	0.28	U	0.27	U	0.28	U	0.28	U	0.31	U	0.27	U	0.30	U	0.27	U	0.29	U	0.27	U	0.29	U
2,4-Dinitrotoluene	NA	NA	NA	0.068	U	0.070	U	0.069	U	0.071	U	0.070	U	0.077	U	0.069	U	0.075	U	0.068	U	0.073	U	0.069	U	0.072	U
2,6-Dinitrotoluene	NA	NA	NA	0.068	U	0.070	U	0.069	U	0.071	U	0.070	U	0.077	U	0.069	U	0.075	U	0.068	U	0.073	U	0.069	U	0.072	U
2-Chloronaphthalene	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
2-Chlorophenol	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
2-Methylnaphthalene	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.019	J	0.34	U	0.36	U	0.34	U	0.36	U
2-Methylphenol	0.33	0.33	100	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
2-Nitroaniline	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
2-Nitrophenol	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
3,3'-Dichlorobenzidine	NA	NA	NA	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U
3-Nitroaniline	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
4,6-Dinitro-2-methylphenol	NA	NA	NA	0.27	U *	0.28	U *	0.27	U *	0.28	U *	0.28	U *	0.31	U *	0.27	U *	0.30	U *	0.27	U *	0.29	U *	0.27	U	0.29	U
4-Bromophenyl phenyl ether	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
4-Chloro-3-methylphenol	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
4-Chloroaniline	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
4-Chlorophenyl phenyl ether	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
4-Methylphenol	0.33	0.33	100	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
4-Nitroaniline	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
4-Nitrophenol	NA	NA	NA	0.68	U	0.70	U	0.69	U	0.71	U	0.70	U	0.77	U	0.69	U	0.75	U	0.68	U	0.73	U	0.69	U	0.72	U
Acenaphthene	20	98	100	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.063	J	0.34	U	0.36	U	0.34	U	0.36	U
Acenaphthylene	100	107	100	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.012	J	0.34	U	0.36	U	0.34	U	0.36	U
Acetophenone	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
Anthracene	100	1000	100	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.25	J	0.34	U	0.36	U	0.34	U	0.36	U
Atrazine	NA	NA	NA	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U *	0.14	U*
Benzaldehyde	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
Benzo[a]anthracene	1	1	1	0.034	U	0.035	U	0.034	U	0.035	U	0.034	U	0.038	U	0.034	U	1.0		0.034	U	0.036	U	0.035		0.036	U
Benzo[a]pyrene	1	22	1	0.034	U	0.035	U	0.034	U	0.035	U	0.011	J	0.010	J	0.034	U	0.86		0.034	U	0.036	U	0.030	J	0.036	U
Benzo[b]fluoranthene	1	1.7	1	0.034	U	0.035	U	0.034	U	0.035	U	0.016	J	0.013	J	0.034	U	1.4		0.034	U	0.013	J	0.038		0.036	U
Benzo[g,h,i]perylene	100	1000	100	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.59		0.34	U	0.36	U	0.022	J	0.36	U
Benzo[k]fluoranthene	0.8	1.7	3.9	0.034	U	0.035	U	0.034	U	0.035	U	0.034	U	0.038	U	0.034	U	0.43		0.034	U	0.036	U	0.018	J	0.036	U
Bis(2-chloroethoxy)methane	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
Bis(2-chloroethyl)ether	NA	NA	NA	0.034	U	0.035	U	0.034	U	0.035	U	0.034	U	0.038	U	0.034	U	0.037	U	0.034	U	0.036	U	0.034	U	0.036	U
Bis(2-ethylhexyl) phthalate	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
Butyl benzyl phthalate	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
Caprolactam	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
Carbazole	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.10	J	0.34	U	0.36	U	0.34	U	0.36	U
Chrysene	1	1	3.9	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.99		0.34	U	0.36	U	0.032	J	0.36	U
Dibenz(a,h)anthracene	0.33	1000	0.33	0.034	U	0.035	U	0.034	U	0.035	U	0.034	U	0.038	U	0.034	U	0.16		0.034	U	0.036	U	0.034	U	0.036	U
Dibenzofuran	7	210	59	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.048	J	0.34	U	0.36	U	0.34	U	0.36	U
Diethyl phthalate	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
Dimethyl phthalate	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
Di-n-butyl phthalate	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.027	J
Di-n-octyl phthalate	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
Fluoranthene	100	1000	100	0.34	U	0.35	U	0.34	U	0.35	U	0.026	J	0.020	J	0.34	U	2.3		0.34	U	0.020	J	0.056	J	0.36	U
Fluorene	30	386	100	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.058	J	0.34	U	0.36	U	0.34	U	0.36	U
Hexachlorobenzene	0.33	3.2	1.2	0.034	U	0.035	U	0.034	U	0.035	U	0.034	U	0.038	U	0.034	U	0.037	U	0.034	U	0.036	U	0.034	U	0.036	U
Hexachlorobutadiene	NA	NA	NA	0.068	U	0.070	U	0.069	U	0.071	U	0.070	U	0.077	U	0.069	U	0.075	U	0.068	U	0.073	U	0.069	U	0.072	U
Hexachlorocyclopentadiene	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
Hexachloroethane	NA	NA	NA	0.034	U	0.035	U	0.034	U	0.035	U	0.034	U	0.038	U	0.034	U	0.037	U	0.034	U	0.036	U	0.034	U	0.036	U
Indeno[1,2,3-cd]pyrene	0.5	8.2	0.5	0.034	U	0.035	U	0.034	U	0.035	U	0.024	J	0.026	J	0.034	U	0.68		0.034	U	0.023	J	0.019	J	0.036	U
Isophorone	NA	NA	NA	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U
Naphthalene	12	12	100	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.061	J	0.34	U	0.36	U	0.34	U	0.0066	J
Nitrobenzene	NA	NA	NA	0.034	U	0.035	U	0.034	U	0.035	U	0.034	U	0.038	U	0.034	U	0.037	U	0.034	U	0.036	U	0.034	U	0.036	U
N-Nitrosodi-n-propylamine	NA	NA	NA	0.034	U	0.035	U	0.034	U	0.035	U	0.034	U	0.038	U	0.034	U	0.037	U	0.034	U	0.036	U	0.034	U	0.036	U
N-Nitrosodiphenylamine	NA	NA	NA	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
Pentachlorophenol	0.8	0.8	6.7	0.27	U	0.28	U	0.27	U	0.28	U	0.28	U	0.31	U	0.27	U	0.30	U	0.27	U	0.29	U	0.27	U	0.29	U
Phenanthrene	100	1000	100	0.34	U	0.35	U	0.34	U	0.35	U	0.015	J	0.38	U	0.34	U	1.0		0.34	U	0.016	J	0.042	J	0.36	U
Phenol	0.33	0.33	100	0.34	U	0.35	U	0.34	U	0.35	U	0.34	U	0.38	U	0.34	U	0.37	U	0.34	U	0.36	U	0.34	U	0.36	U
Pyrene	100	1000	100	0.34	U	0.35	U	0.34	U	0.35	U	0.022	J	0.018	J	0.34	U	1.5		0.34	U	0.015	J	0.050	J	0.36	U
Total Conc	NA	NA	NA									0.114		0.087				11.521				0.087		0.342		0.0336	

Table 1. Soil Analytical Results
28-12 41st Avenue
Long Island City, NY 11101
OER Project Number 25TMP1168Q, 25EHAZ222Q

Sample ID Sample Depth (ft.) Sample Date Matrix Dilution Factor	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Residential Use SCOs	SB-1(5-7) 5-7 6/5/2025 Soil 1		SB-1(14-15) 14-15 6/5/2025 Soil 1		SB-2(5-7) 5-7 6/5/2025 Soil 1		SB-2(14-15) 14-15 6/5/2025 Soil 1		SB-2(21-22) 21-22 6/5/2025 Soil 1		SB-3(5-7) 5-7 6/5/2025 Soil 1		SB-3(14-15) 14-15 6/5/2025 Soil 1		SB-4(5-7) 5-7 6/5/2025 Soil 1		SB-4(14-15) 14-15 6/5/2025 Soil 1		SB-4(21-22) 21-22 6/5/2025 Soil 1		SB-5(5-7) 5-7 6/6/2025 Soil 1		SB-5(14-15) 14-15 6/6/2025 Soil 1	
Pesticides	**mg/Kg**	**mg/Kg**	**mg/Kg**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**
4,4'-DDD	0.0033	14	13	0.0068	U	0.0071	U	0.0069	U	0.0071	U	0.0070	U	0.0077	U	0.0069	U	0.0075	U	0.0068	U	0.0073	U	0.0069	U	0.0072	U
4,4'-DDE	0.0033	17	8.9	0.0068	U	0.0071	U	0.0069	U	0.0071	U	0.0070	U	0.0077	U	0.0069	U	0.0075	U	0.0068	U	0.0073	U	0.0069	U	0.0072	U
4,4'-DDT	0.0033	136	7.9	0.0068	U	0.0071	U	0.0069	U	0.0071	U	0.0070	U	0.0077	U	0.0069	U	0.0071	J	0.0068	U	0.0073	U	0.0069	U	0.0072	U
Aldrin	0.005	0.19	0.097	0.0068	U	0.0071	U	0.0069	U	0.0071	U	0.0070	U	0.0077	U	0.0069	U	0.0075	U	0.0068	U	0.0073	U	0.0069	U	0.0072	U
alpha-BHC	0.02	0.02	0.48	0.0020	U	0.0021	U	0.0021	U	0.0021	U	0.0021	U	0.0023	U	0.0021	U	0.0022	U	0.0020	U	0.0022	U	0.0021	U	0.0022	U
beta-BHC	0.036	0.09	0.36	0.0020	U	0.0021	U	0.0021	U	0.0021	U	0.0021	U	0.0023	U	0.0021	U	0.0022	U	0.0020	U	0.0022	U	0.0021	U	0.0022	U
Chlordane (technical)	NA	NA	NA	0.068	U	0.071	U	0.069	U	0.071	U	0.070	U	0.077	U	0.069	U	0.075	U	0.068	U	0.073	U	0.069	U	0.072	U
delta-BHC	0.04	0.25	100	0.0020	U	0.0021	U	0.0021	U	0.0021	U	0.0021	U	0.0023	U	0.0021	U	0.0022	U	0.0020	U	0.0022	U	0.0021	U	0.0022	U
Dieldrin	0.005	0.1	0.2	0.0020	U	0.0021	U	0.0021	U	0.0021	U	0.0021	U	0.0023	U	0.0021	U	0.0022	U	0.0020	U	0.0022	U	0.0021	U	0.0022	U
Endosulfan I	2.4	102	24	0.0068	U	0.0071	U	0.0069	U	0.0071	U	0.0070	U	0.0077	U	0.0069	U	0.0075	U	0.0068	U	0.0073	U	0.0069	U	0.0072	U
Endosulfan II	2.4	102	24	0.0068	U	0.0071	U	0.0069	U	0.0071	U	0.0070	U	0.0077	U	0.0069	U	0.0075	U	0.0068	U	0.0073	U	0.0069	U	0.0072	U
Endosulfan sulfate	2.4	1000	24	0.0068	U	0.0071	U	0.0069	U	0.0071	U	0.0070	U	0.0077	U	0.0069	U	0.0075	U	0.0068	U	0.0073	U	0.0069	U	0.0072	U
Endrin	0.014	0.06	11	0.0068	U	0.0071	U	0.0069	U	0.0071	U	0.0070	U	0.0077	U	0.0069	U	0.0075	U	0.0068	U	0.0073	U	0.0069	U	0.0072	U
Endrin aldehyde	NA	NA	NA	0.0068	U	0.0071	U	0.0069	U	0.0071	U	0.0070	U	0.0077	U	0.0069	U	0.0075	U	0.0068	U	0.0073	U	0.0069	U	0.0072	U
Endrin ketone	NA	NA	NA	0.0068	U	0.0071	U	0.0069	U	0.0071	U	0.0070	U	0.0077	U	0.0069	U	0.0075	U	0.0068	U	0.0073	U	0.0069	U	0.0072	U
gamma-BHC (Lindane)	0.1	0.1	1.3	0.0020	U	0.0021	U	0.0021	U	0.0021	U	0.0021	U	0.0023	U	0.0021	U	0.0022	U	0.0020	U	0.0022	U	0.0021	U	0.0022	U
Heptachlor	0.042	0.38	2.1	0.0068	U	0.0071	U	0.0069	U	0.0071	U	0.0070	U	0.0077	U	0.0069	U	0.0075	U	0.0068	U	0.0073	U	0.0069	U	0.0072	U
Heptachlor epoxide	NA	NA	NA	0.0068	U	0.0071	U	0.0069	U	0.0071	U	0.0070	U	0.0077	U	0.0069	U	0.0075	U	0.0068	U	0.0073	U	0.0069	U	0.0072	U
Methoxychlor	NA	NA	NA	0.0068	U	0.0071	U	0.0069	U	0.0071	U	0.0070	U	0.0077	U	0.0069	U	0.0075	U	0.0068	U	0.0073	U	0.0069	U	0.0072	U
Toxaphene	NA	NA	NA	0.068	U	0.071	U	0.069	U	0.071	U	0.070	U	0.077	U	0.069	U	0.075	U	0.068	U	0.073	U	0.069	U	0.072	U
PCBs	**mg/Kg**	**mg/Kg**	**mg/Kg**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**
Aroclor 1016	NA	NA	NA	0.068	U	0.071	U	0.069	U	0.071	U	0.070	U	0.077	U	0.069	U	0.075	U	0.068	U	0.073	U	0.070	U	0.072	U
Aroclor 1221	NA	NA	NA	0.068	U	0.071	U	0.069	U	0.071	U	0.070	U	0.077	U	0.069	U	0.075	U	0.068	U	0.073	U	0.070	U	0.072	U
Aroclor 1232	NA	NA	NA	0.068	U	0.071	U	0.069	U	0.071	U	0.070	U	0.077	U	0.069	U	0.075	U	0.068	U	0.073	U	0.070	U	0.072	U
Aroclor 1242	NA	NA	NA	0.068	U	0.071	U	0.069	U	0.071	U	0.070	U	0.077	U	0.069	U	0.075	U	0.068	U	0.073	U	0.070	U	0.072	U
Aroclor 1248	NA	NA	NA	0.068	U	0.071	U	0.069	U	0.071	U	0.070	U	0.077	U	0.069	U	0.075	U	0.068	U	0.073	U	0.070	U	0.072	U
Aroclor 1254	NA	NA	NA	0.068	U	0.071	U	0.069	U	0.071	U	0.070	U	0.077	U	0.069	U	0.075	U	0.068	U	0.073	U	0.070	U	0.072	U
Aroclor 1260	NA	NA	NA	0.068	U	0.071	U	0.069	U	0.071	U	0.070	U	0.077	U	0.069	U	0.075	U	0.068	U	0.073	U	0.070	U	0.072	U
Aroclor 1268	NA	NA	NA	0.068	U	0.071	U	0.069	U	0.071	U	0.070	U	0.077	U	0.069	U	0.075	U	0.068	U	0.073	U	0.070	U	0.072	U
Aroclor-1262	NA	NA	NA	0.068	U	0.071	U	0.069	U	0.071	U	0.070	U	0.077	U	0.069	U	0.075	U	0.068	U	0.073	U	0.070	U	0.072	U
Total PCBs	0.1	3.2	1	0.068	U	0.071	U	0.069	U	0.071	U	0.070	U	0.077	U	0.069	U	0.075	U	0.068	U	0.073	U	0.070	U	0.072	U
Metals	**mg/Kg**	**mg/Kg**	**mg/Kg**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**	**mg/Kg**	**Q**
Aluminum	NA	NA	NA	3770		7740		4040		3690		6010		10100		4340		15500		3090		6280		6110		6290	
Antimony	NA	NA	NA	0.80	U	0.82	U	0.78	U	0.81	U	0.82	U	0.15	J	0.79	U	0.42	J	0.81	U	0.83	U	0.79	U	0.83	U
Arsenic	13	16	16	0.74	J	1.6		0.71	J	0.71	J	1.2		2.2		0.84		4.7		0.80	J	1.8		1.5		1.0	
Barium	350	820	400	19.9		31.7		18.6		20.0		31.9		29.9		27.8		59.4		14.9		34.3		18.6		27.9	
Beryllium	7.2	47	72	0.20	J	0.41		0.22	J	0.19	J	0.30	J	0.36		0.18	J	0.51		0.14	J	0.26	J	0.31	J	0.31	J
Cadmium	2.5	7.5	4.3	0.80	U	0.82	U	0.78	U	0.81	U	0.82	U	0.91	U	0.79	U	0.28	J	0.81	U	0.83	U	0.79	U	0.83	U
Calcium	NA	NA	NA	651		1160		669		708		3570		864		617		2510		770		11400		936		1520	
Chromium	NA	NA	NA	9.0		15.2		8.1		7.8		15.9		17.4		10.8		27.3		8.1		18.9		21.3		13.8	
Cobalt	NA	NA	NA	3.0		6.6		2.6		2.9		5.2		5.2		3.4		8.5		3.8		4.7		5.2		5.0	
Copper	50	1720	270	8.7		16.0		8.4		6.8		13.9		16.5		11.9		19.8		8.1		14.5		7.5		11.5	
Iron	NA	NA	NA	7720		15600		6960		6920		12400		13300		8750		21800		7300		12900		14100		11700	
Lead	63	450	400	2.6		5.5		2.8		2.1		43.0		67.1		3.3		85.0		2.1		9.0		5.5		3.5	
Magnesium	NA	NA	NA	1810		2910		1750		1610		3400		2150		2010		2500		1650		3140		1530		2930	
Manganese	1600	2000	2000	189		378		157		197		270		339		137		492		169		204		325		282	
Nickel	30	130	310	7.7		12.9		6.5		6.2		12.8		11.1		7.1		15.5		6.8		11.3		11.3		11.1	
Potassium	NA	NA	NA	517		1240		556		499		1110		662		618		925		577		1100		456		1120	
Selenium	3.9	4	180	0.99	U	1.0	U	0.98	U	1.0	U	1.0	U	0.17	J	0.98	U	0.43	J	1.0	U	1.0	U	0.99	U	1.0	U
Silver	2	8.3	180	0.32	U	0.33	U	0.31	U	0.32	U	0.33	U	0.36	U	0.31	U	0.36	U	0.32	U	0.33	U	0.32	U	0.33	U
Sodium	NA	NA	NA	76.6	J	91.8		69.8	J	82.5		204		60.7	J	61.4	J	134		100		127		53.7	J	105	
Thallium	NA	NA	NA	0.042	J	0.10	J	0.043	J	0.041	J	0.097	J	0.086	J	0.065	J	0.14	J	0.046	J	0.090	J	0.053	J	0.087	J
Vanadium	NA	NA	NA	10.4		23.2		8.9		9.9		20.3		22.1		12.7		33.0		10.1		20.2		28.4		20.4	
Zinc	109	2480	10000	17.9		29.7		14.6		14.5		34.0		61.6		26.5		76.5		15.7		35.2		57.5		23.2	
Mercury	0.18	0.73	0.81	0.016	U	0.018	U	0.0089	J	0.018	U	0.018	U	0.029		0.017	U	0.057		0.016	U	0.018	U	0.018	U	0.016	U

Notes:
Exceeds NYSDEC Part 375 Unrestricted Use SCO
Exceeds NYSDEC Part 375 Restricted Residential Use SCO
Exceeds NYSDEC Part 375 Protection of Groundwater SCO
Q : Qualifier
* : LCS or LCSD is outside acceptance limits.
J : Indicates an estimated value.
U : Analyzed for but not detected.

Table 1A. PFAS in Soil Analytical Results
28-12 41st Avenue
Long Island City, NY 11101
OER Project Number 25TMP1168Q, 25EHAZ222Q

Sample ID Sample Depth (ft.) Sample Date Matrix Dilution Factor	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Residential SCOs	SB-3 (5-7) 5-7 6/5/2025 Soil 1	
PFAS					
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NA	NA	NA	0.20	U
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	NA	NA	NA	0.40	U
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	NA	NA	NA	0.40	U
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	NA	NA	NA	0.40	U
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	NA	NA	NA	0.99	U
3-Perfluoropentylpropanoic acid (5:3 FTCA)	NA	NA	NA	0.99	U
3-Perfluoropropylpropanoic acid (3:3 FTCA)	NA	NA	NA	0.40	U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NA	NA	NA	0.20	U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NA	NA	NA	0.20	U
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	NA	NA	NA	0.20	U
N-ethylperfluorooctane sulfonamide (NEtFOSA)	NA	NA	NA	0.20	U
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	NA	NA	NA	0.99	U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NA	NA	NA	0.20	U
N-methylperfluorooctane sulfonamide (NMeFOSA)	NA	NA	NA	0.20	U
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	NA	NA	NA	0.99	U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NA	NA	NA	0.20	U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	NA	0.20	U
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	NA	NA	NA	0.20	U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	NA	0.20	U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NA	NA	NA	0.20	U
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	0.20	U
Perfluorobutanoic acid (PFBA)	NA	NA	NA	0.40	U
Perfluorodecanesulfonic acid (PFDS)	NA	NA	NA	0.20	U
Perfluorodecanoic acid (PFDA)	NA	NA	NA	0.20	U
Perfluorododecanesulfonic acid (PFDoS)	NA	NA	NA	0.20	U
Perfluorododecanoic acid (PFDoA)	NA	NA	NA	0.20	U
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	NA	0.20	U
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	0.20	U
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	0.20	U
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	0.20	U
Perfluorononanesulfonic acid (PFNS)	NA	NA	NA	0.20	U
Perfluorononanoic acid (PFNA)	NA	NA	NA	0.20	U
Perfluorooctanesulfonamide (PFOSA)	NA	NA	NA	0.20	U
Perfluorooctanesulfonic acid (PFOS)	0.88	1	44	0.20	U
Perfluorooctanoic acid (PFOA)	0.66	0.8	33	0.20	U
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	NA	0.20	U
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	0.20	U
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	0.20	U
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	0.20	U
Perfluoroundecanoic acid (PFUnA)	NA	NA	NA	0.20	U

Notes:
Q : Qualifier
U : Analyzed for but not detected.

Table 2. Groundwater Analytical Results
28-12 41st Avenue
Long Island City, NY 11101
OER Project Number 25TMP1168Q, 25EHAZ222Q

Sample ID Sample Date Matrix Dilution Factor	NY 703.5 Water Quality Standards Class GA Waters	TW-1 6/6/2025 Groundwater 1		TW-2 6/6/2025 Groundwater 1		TW-3 6/6/2025 Groundwater 1		TB060625 6/6/2025 Water 1	
VOCs	**ug/L**	**ug/L**	**Q**	**ug/L**	**Q**	**ug/L**	**Q**	**ug/L**	**Q**
1,1,1-Trichloroethane	5	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	5	0.20	U	0.20	U	0.20	U	0.20	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	1	0.58	U	0.58	U	0.58	U	0.58	U
1,1-Dichloroethane	5	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethene	5	1.0	U	1.0	U	1.0	U	1.0	U
1,2,3-Trichlorobenzene	5	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-Trichlorobenzene	5	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-Chloropropane	0.04	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichlorobenzene	3	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	0.6	0.30	U	0.30	U	0.30	U	0.30	U
1,2-Dichloropropane	1	0.92	U	0.92	U	0.92	U	0.92	U
1,3-Dichlorobenzene	3	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	3	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone (MEK)	NS	5.0	U	5.0	U	5.0	U	5.0	U
2-Hexanone	NS	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone (MIBK)	NS	5.0	U	5.0	U	5.0	U	5.0	U
Acetone	NS	5.5		5.2		5.0	U	5.0	U
Benzene	1	0.45	U	0.45	U	0.45	U	0.45	U
Bromoform	NS	1.0	U	1.0	U	1.0	U	1.0	U
Bromomethane	5	1.0	U	1.0	U	1.0	U	1.0	U
Carbon disulfide	60	1.0	U	1.0	U	1.0	U	1.0	U
Carbon tetrachloride	5	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	5	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobromomethane	5	1.0	U	1.0	U	1.0	U	1.0	U
Chlorodibromomethane	NS	0.78	U	0.78	U	0.78	U	0.78	U
Chloroethane	5	1.0	U	1.0	U	1.0	U	1.0	U
Chloroform	7	1.0	U	1.0	U	1.0	U	1.0	U
Chloromethane	5	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,2-Dichloroethene	5	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	NS	0.45	U	0.45	U	0.45	U	0.45	U
Cyclohexane	NS	1.0	U	1.0	U	1.0	U	1.0	U
Dichlorobromomethane	NS	0.98	U	0.98	U	0.98	U	0.98	U
Dichlorodifluoromethane	5	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	5	1.0	U	1.0	U	1.0	U	1.0	U
Ethylene Dibromide	0.0006	1.0	U	1.0	U	1.0	U	1.0	U
Isopropylbenzene	5	1.0	U	1.0	U	1.0	U	1.0	U
Methyl acetate	NS	5.0	U	5.0	U	5.0	U	5.0	U
Methyl tert-butyl ether	NS	1.0	U	1.0	U	1.0	U	1.0	U
Methylcyclohexane	NS	1.0	U	1.0	U	1.0	U	1.0	U
Methylene Chloride	NS	1.0	U	1.0	U	1.0	U	1.0	U
m-Xylene & p-Xylene	5	1.0	U	1.0	U	1.0	U	1.0	U
o-Xylene	5	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	5	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethene	5	1.8		2.1		1.0		0.40	U
Toluene	5	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	5	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	~	0.45	U	0.45	U	0.45	U	0.45	U
Trichloroethene	5	0.28	U	0.28	U	0.28	U	0.28	U
Trichlorofluoromethane	5	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl chloride	2	1.0	U	1.0	U	1.0	U	1.0	U
Total Conc	NS	7.3		7.3		1.0		NA	
1,4-Dioxane by 8270E SIM	**ug/L**	**ug/L**	**Q**	**ug/L**	**Q**	**ug/L**	**Q**	**ug/L**	**Q**
1,4-Dioxane	NS	0.20	U	0.20	U	0.20	U	NA	
Total Conc	NS								
SVOCs	**ug/L**	**ug/L**	**Q**	**ug/L**	**Q**	**ug/L**	**Q**	**ug/L**	**Q**
1,1'-Biphenyl	5	5.0	U	5.0	U	5.0	U	NA	
1,2,4,5-Tetrachlorobenzene	5	10	U	10	U	10	U	NA	
2,2'-oxybis[1-chloropropane]	NS	10	U	10	U	10	U	NA	
2,3,4,6-Tetrachlorophenol	NS	10	U	10	U	10	U	NA	
2,4,5-Trichlorophenol	NS	10	U	10	U	10	U	NA	
2,4,6-Trichlorophenol	NS	3.0	U	3.0	U	3.0	U	NA	
2,4-Dichlorophenol	5	10	U	10	U	10	U	NA	
2,4-Dimethylphenol	NS	10	U	10	U	10	U	NA	
2,4-Dinitrophenol	5	40	U	40	U	40	U	NA	
2,4-Dinitrotoluene	NS	10	U	10	U	10	U	NA	

Table 2. Groundwater Analytical Results
28-12 41st Avenue
Long Island City, NY 11101
OER Project Number 25TMP1168Q, 25EHAZ222Q

Sample ID Sample Date Matrix Dilution Factor	NY 703.5 Water Quality Standards Class GA Waters	TW-1 6/6/2025 Groundwater 1		TW-2 6/6/2025 Groundwater 1		TW-3 6/6/2025 Groundwater 1		TB060625 6/6/2025 Water 1	
2,6-Dinitrotoluene	1	2.0	U	2.0	U	2.0	U	NA	
2-Chloronaphthalene	1	10	U	10	U	10	U	NA	
2-Chlorophenol	1	10	U	10	U	10	U	NA	
2-Methylnaphthalene	5	10	U	10	U	10	U	NA	
2-Methylphenol	NS	10	U	10	U	10	U	NA	
2-Nitroaniline	NS	10	U	10	U	10	U	NA	
2-Nitrophenol	5	10	U	10	U	10	U	NA	
3,3'-Dichlorobenzidine	5	5.2	U	5.2	U	5.2	U	NA	
3-Nitroaniline	5	10	U	10	U	10	U	NA	
4,6-Dinitro-2-methylphenol	NS	20	U	20	U	20	U	NA	
4-Bromophenyl phenyl ether	NS	10	U	10	U	10	U	NA	
4-Chloro-3-methylphenol	5	10	U	10	U	10	U	NA	
4-Chloroaniline	NS	5.0	U	5.0	U	5.0	U	NA	
4-Chlorophenyl phenyl ether	NS	10	U	10	U	10	U	NA	
4-Methylphenol	5	10	U	10	U	10	U	NA	
4-Nitroaniline	NS	10	U	10	U	10	U	NA	
4-Nitrophenol	NS	20	U	20	U	20	U	NA	
Acenaphthene	NS	10	U	10	U	10	U	NA	
Acenaphthylene	NS	10	U	10	U	10	U	NA	
Acetophenone	NS	10	U	10	U	10	U	NA	
Anthracene	NS	10	U	10	U	10	U	NA	
Atrazine	7.5	2.0	U *	2.0	U *	2.0	U *	NA	
Benzaldehyde	NS	10	U *	10	U *	10	U *	NA	
Benzo[a]anthracene	NS	1.0	U	1.0	U	1.0	U	NA	
Benzo[a]pyrene	0	1.0	U	1.0	U	0.59	J	NA	
Benzo[b]fluoranthene	NS	2.0	U	2.0	U	2.0	U	NA	
Benzo[g,h,i]perylene	NS	10	U	10	U	10	U	NA	
Benzo[k]fluoranthene	NS	1.0	U	1.0	U	1.0	U	NA	
Bis(2-chloroethoxy)methane	5	10	U	10	U	10	U	NA	
Bis(2-chloroethyl)ether	1	1.0	U	1.0	U	1.0	U	NA	
Bis(2-ethylhexyl) phthalate	5	1.3	J	2.0	U	1.5	J	NA	
Butyl benzyl phthalate	NS	10	U	10	U	10	U	NA	
Caprolactam	NS	10	U	10	U	10	U	NA	
Carbazole	NS	10	U	10	U	10	U	NA	
Chrysene	NS	2.0	U	2.0	U	2.0	U	NA	
Dibenz(a,h)anthracene	50	1.0	U	1.0	U	1.0	U	NA	
Dibenzofuran	NS	10	U	10	U	10	U	NA	
Diethyl phthalate	NS	3.2	J	10	U	10	U	NA	
Dimethyl phthalate	NS	10	U	10	U	10	U	NA	
Di-n-butyl phthalate	NS	10	U	1.3	J	10	U	NA	
Di-n-octyl phthalate	NS	10	U	10	U	10	U	NA	
Fluoranthene	NS	10	U	10	U	10	U	NA	
Fluorene	NS	10	U	10	U	10	U	NA	
Hexachlorobenzene	0.04	1.0	U	1.0	U	1.0	U	NA	
Hexachlorobutadiene	0.5	1.0	U	1.0	U	1.0	U	NA	
Hexachlorocyclopentadiene	5	10	U	10	U	10	U	NA	
Hexachloroethane	5	0.80	U	0.80	U	0.80	U	NA	
Indeno[1,2,3-cd]pyrene	NS	2.0	U	2.0	U	2.0	U	NA	
Isophorone	NS	10	U	10	U	10	U	NA	
Naphthalene	NS	2.0	U	2.0	U	2.0	U	NA	
Nitrobenzene	NS	1.0	U	1.0	U	1.0	U	NA	
N-Nitrosodi-n-propylamine	NS	1.0	U	1.0	U	1.0	U	NA	
N-Nitrosodiphenylamine	0.4	10	U	10	U	10	U	NA	
Pentachlorophenol	1	20	U	20	U	20	U	NA	
Phenanthrene	NS	10	U	10	U	10	U	NA	
Phenol	1	10	U	10	U	10	U	NA	
Pyrene	NS	10	U	10	U	10	U	NA	
Total Conc	NS	4.5		1.3		2.09		NA	
Pesticides	**ug/L**	**ug/L**	**Q**	**ug/L**	**Q**	**ug/L**	**Q**	**ug/L**	**Q**
4,4'-DDD	0.3	0.020	U	0.020	U	0.020	U	NA	
4,4'-DDE	0.2	0.020	U	0.020	U	0.020	U	NA	
4,4'-DDT	0.2	0.020	U	0.020	U	0.020	U	NA	
Aldrin	0	0.020	U	0.020	U	0.020	U	NA	
alpha-BHC	0.01	0.020	U	0.020	U	0.020	U	NA	
beta-BHC	0.04	0.020	U	0.020	U	0.020	U	NA	
Chlordane (technical)	NS	0.20	U	0.20	U	0.20	U	NA	
delta-BHC	0.04	0.020	U	0.020	U	0.020	U	NA	
Dieldrin	0.004	0.020	U	0.020	U	0.020	U	NA	
Endosulfan I	NS	0.020	U	0.020	U	0.020	U	NA	
Endosulfan II	NS	0.020	U	0.020	U	0.020	U	NA	
Endosulfan sulfate	NS	0.020	U	0.020	U	0.020	U	NA	
Endrin	0	0.020	U	0.020	U	0.020	U	NA	
Endrin aldehyde	5	0.020	U	0.020	U	0.020	U	NA	

Table 2. Groundwater Analytical Results
28-12 41st Avenue
Long Island City, NY 11101
OER Project Number 25TMP1168Q, 25EHAZ222Q

Sample ID Sample Date Matrix Dilution Factor	NY 703.5 Water Quality Standards Class GA Waters	TW-1 6/6/2025 Groundwater 1		TW-2 6/6/2025 Groundwater 1		TW-3 6/6/2025 Groundwater 1		TB060625 6/6/2025 Water 1	
Endrin ketone	5	0.020	U	0.020	U	0.020	U	NA	
gamma-BHC (Lindane)	0.05	0.020	U	0.020	U	0.020	U	NA	
Heptachlor	0.04	0.020	U	0.020	U	0.020	U	NA	
Heptachlor epoxide	0.03	0.020	U	0.020	U	0.020	U	NA	
Methoxychlor	35	0.020	U	0.020	U	0.020	U	NA	
Toxaphene	0.06	0.50	U	0.50	U	0.50	U	NA	
PCBs	**ug/L**	**ug/L**	**Q**	**ug/L**	**Q**	**ug/L**	**Q**	**ug/L**	**Q**
Aroclor 1016	NS	0.20	U	0.20	U	0.20	U	NA	
Aroclor 1221	NS	0.20	U	0.20	U	0.20	U	NA	
Aroclor 1232	NS	0.20	U	0.20	U	0.20	U	NA	
Aroclor 1242	NS	0.20	U	0.20	U	0.20	U	NA	
Aroclor 1248	NS	0.20	U	0.20	U	0.20	U	NA	
Aroclor 1254	NS	0.20	U	0.20	U	0.20	U	NA	
Aroclor 1260	NS	0.20	U	0.20	U	0.20	U	NA	
Aroclor 1268	NS	0.20	U	0.20	U	0.20	U	NA	
Aroclor-1262	NS	0.20	U	0.20	U	0.20	U	NA	
Total PCBs	0.09	0.20	U	0.20	U	0.20	U	NA	
Metals	**ug/L**	**ug/L**	**Q**	**ug/L**	**Q**	**ug/L**	**Q**	**ug/L**	**Q**
Aluminum	NS	8210		474000		359000		NA	
Aluminum, Dissolved	NS	40.0	U	40.0	U	40.0	U	NA	
Antimony	3	2.0	U	1.8	J	1.1	J	NA	
Antimony, Dissolved	3	2.0	U	2.0	U	2.0	U	NA	
Arsenic	25	2.5		133		75.8		NA	
Arsenic, Dissolved	25	2.0	U	2.0	U	2.1		NA	
Barium	1000	624		4410		3060		NA	
Barium, Dissolved	1000	51.3		28.3		9.1		NA	
Beryllium	NS	0.77	J	20.9		17.3		NA	
Beryllium, Dissolved	NS	0.80	U	0.80	U	0.80	U	NA	
Cadmium	5	1.1		9.1		6.4		NA	
Cadmium, Dissolved	5	0.92	U	0.92	U	0.92	U	NA	
Calcium	NS	477000		1630000		1300000		NA	
Calcium, Dissolved	NS	47900		41900		24600		NA	
Chromium	50	23.0		1090		969		NA	
Chromium, Dissolved	50	8.1		8.6		11.9		NA	
Cobalt	NS	34.4		651		451		NA	
Cobalt, Dissolved	NS	2.0	U	0.30	J	0.20	J	NA	
Copper	200	44.2		1970		1500		NA	
Copper, Dissolved	200	4.0	U	3.5	J	3.9	J	NA	
Iron	300	12400		986000		781000		NA	
Iron, Dissolved	300	120	U	120	U	120	U	NA	
Lead	25	37.1		1740		895		NA	
Lead, Dissolved	25	1.2	U	1.2	U	1.2	U	NA	
Magnesium	NS	54900		586000		444000		NA	
Magnesium, Dissolved	NS	19700		12000		6810		NA	
Manganese	300	4750		27400		25500		NA	
Manganese, Dissolved	300	8.0	U	8.0	U	1.2	J	NA	
Nickel	100	37.0		1300		982		NA	
Nickel, Dissolved	100	4.0	U	4.0	U	4.0	U	NA	
Potassium	NS	10600		100000		95300		NA	
Potassium, Dissolved	NS	5740		4090		2600		NA	
Selenium	10	3.3	B	8.5	B	2.9	J B	NA	
Selenium, Dissolved	10	2.9		3.5		0.89	J	NA	
Silver	50	2.0	U	2.6	J	4.0	U	NA	
Silver, Dissolved	50	2.0	U	2.0	U	2.0	U	NA	
Sodium	20000	51900		28200		19300		NA	
Sodium, Dissolved	20000	51800		15400		5210		NA	
Thallium	NS	0.50	U	7.3		2.5		NA	
Thallium, Dissolved	NS	0.50	U	0.50	U	0.50	U	NA	
Vanadium	NS	16.0		1080		924		NA	
Vanadium, Dissolved	NS	4.0	U	4.0	U	3.4	J	NA	
Zinc	NS	125		3610		2450		NA	
Zinc, Dissolved	NS	16.0	U	16.0	U	16.0	U	NA	
Mercury	0.7	0.60	U	0.93		0.46	J	NA	
Mercury, Dissolved	0.7	0.20	U	0.20	U	0.20	U	NA	

Notes
Highlighted Concentrations shown in bold type face exceed limits
B : Compound was found in the blank and sample.
J : Sample result is greater than the MDL but below the CRDL
U : Indicates analyzed for but not detected.
NS : No Standard
NA: Not Analyzed
NYSDEC- New York State Department of Environmental Conservation
NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater

Table 2A. PFAS in Groundwater Analytical Results
28-12 41st Avenue
Long Island City, NY 11101
NYC OER Project Number 25TMP1168Q, 25EHAZ222Q

Sample ID Sample Date Sample Matrix Dilution Factor	NYSDEC April 2023 PFAS Guidance*	TW-1 6/6/2025 Groundwater 1		TW-2 6/6/2025 Groundwater 1		TW-3 6/6/2025 Groundwater 1	
PFAS	**ng/L**	**ng/L**	**Q**	**ng/L**	**Q**	**ng/L**	**Q**
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NA	2.12	U	2.56	U	1.72	U
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	NA	4.23	U	5.12	U	3.45	U
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	NA	4.23	U	5.12	U	3.45	U
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	NA	4.23	U	5.12	U	0.90	J
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	NA	10.6	U	12.8	U	8.61	U
3-Perfluoropentylpropanoic acid (5:3 FTCA)	NA	10.6	U	12.8	U	8.61	U
3-Perfluoropropylpropanoic acid (3:3 FTCA)	NA	4.23	U	5.12	U	3.45	U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NA	2.12	U	2.56	U	1.72	U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NA	2.12	U	2.56	U	1.72	U
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	NA	2.12	U	2.56	U	0.67	J
N-ethylperfluorooctane sulfonamide (NEtFOSA)	NA	2.12	U	2.56	U	1.72	U
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	NA	10.6	U	12.8	U	4.71	J
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NA	2.12	U	2.56	U	1.72	U
N-methylperfluorooctane sulfonamide (NMeFOSA)	NA	2.12	U	2.56	U	1.72	U
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	NA	10.6	U	12.8	U	8.61	U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NA	2.12	U	2.56	U	1.72	U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	2.12	U	2.56	U	1.72	U
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	NA	2.12	U	2.56	U	1.72	U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	2.12	U	2.56	U	1.72	U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NA	2.12	U	2.56	U	1.72	U
Perfluorobutanesulfonic acid (PFBS)	NA	5.91		5.89		3.56	
Perfluorobutanoic acid (PFBA)	NA	13.1		9.54		6.64	
Perfluorodecanesulfonic acid (PFDS)	NA	2.12	U	2.56	U	1.72	U
Perfluorodecanoic acid (PFDA)	NA	2.12	U	2.56	U	0.57	J
Perfluorododecanesulfonic acid (PFDoS)	NA	2.12	U	2.56	U	1.72	U
Perfluorododecanoic acid (PFDoA)	NA	2.12	U	2.56	U	1.72	U
Perfluoroheptanesulfonic acid (PFHpS)	NA	2.12	U	0.83	J	1.72	U
Perfluoroheptanoic acid (PFHpA)	NA	20.0		10.5		4.21	
Perfluorohexanesulfonic acid (PFHxS)	NA	3.03		4.58		1.34	J
Perfluorohexanoic acid (PFHxA)	NA	17.6		12.9		6.98	
Perfluorononanesulfonic acid (PFNS)	NA	2.12	U	2.56	U	1.72	U
Perfluorononanoic acid (PFNA)	NA	2.12	U	3.09		3.20	
Perfluorooctanesulfonamide (PFOSA)	NA	2.12	U	2.56	U	1.72	U
Perfluorooctanesulfonic acid (PFOS)	2.7	2.12	U	28.2		8.72	
Perfluorooctanoic acid (PFOA)	6.7	29.9		33.5		10.6	
Perfluoropentanesulfonic acid (PFPeS)	NA	2.12	U	2.56	U	1.72	U
Perfluoropentanoic acid (PFPeA)	NA	18.3		12.0		7.41	
Perfluorotetradecanoic acid (PFTeDA)	NA	2.12	U	2.56	U	1.72	U
Perfluorotridecanoic acid (PFTrDA)	NA	2.12	U	2.56	U	1.72	U
Perfluoroundecanoic acid (PFUnA)	NA	2.12	U	2.56	U	1.72	U

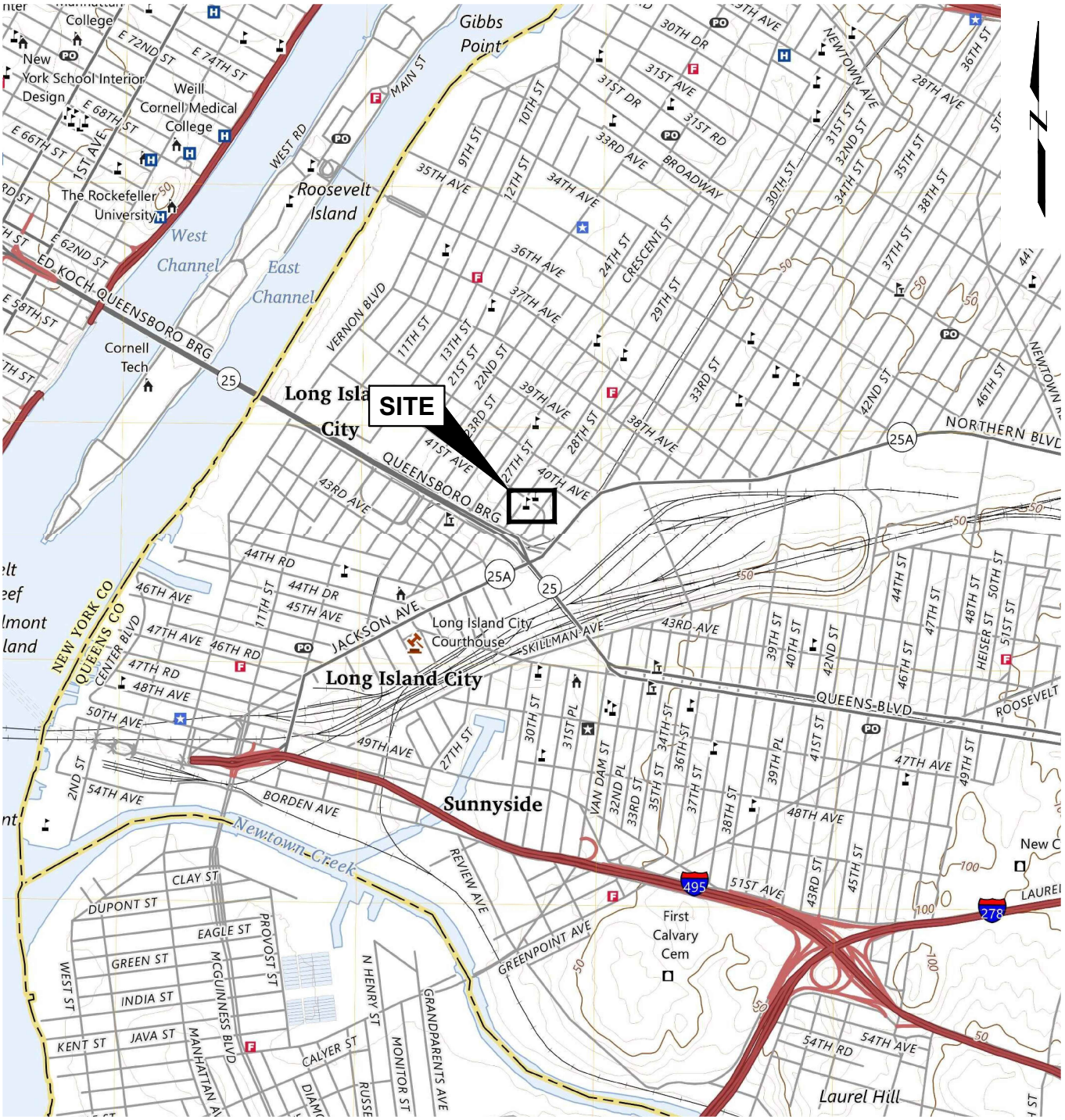
Notes:
*NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) April 2023
Exceeds NYSDEC April 2023 Guidance
Q : Qualifier
J : Indicates an estimated value.
U : Analyzed for but not detected.
NA : Not Applicable

Table 3. Soil Vapor and Indoor Air Analytical Results
28-12 41st Avenue
Long Island City, NY 11101
OER Project Number 25TMP1168Q, 25EHAZ222Q

	Sub-Slab Soil Vapor and Indoor Air - Compared to NYSDOH Matrices						Soil Vapor					
Sample ID	**SV-3**		**SV-4**		**IA-1**		**SV-1**		**SV-2**		**SV-5**	
Sample Depth (ft.)	**Sub-Slab**		**Sub-Slab**				**10**		**10**		**10**	
Sample Date	**6/6/2025**		**6/6/2025**		**6/6/2025**		**6/6/2025**		**6/6/2025**		**6/6/2025**	
Sample Matrix	**Sub-Slab Soil Vapor**		**Sub-Slab Soil Vapor**		**Indoor Air**		**Soil Vapor**		**Soil Vapor**		**Soil Vapor**	
Dilution Factor	**1**		**25.1**		**1**		**1**		**1**		**1**	
VOCs	**ug/m3**	**Q**	**ug/m3**	**Q**	**ug/m3**	**Q**	**ug/m3**	**Q**	**ug/m3**	**Q**	**ug/m3**	**Q**
NYSDOH Matrix A Compounds												
Trichloroethene	1.13		95.7		0.28		0.82		0.25		35.4	
cis-1,2-Dichloroethene	2.00	U	50.2	U	2.00	U	2.00	U	2.00	U	2.00	U
1,1-Dichloroethene	0.14	U	3.49	U	0.14	U	0.14	U	0.14	U	0.14	U
Carbon tetrachloride	0.50		5.53	U	0.51		0.26		0.27		0.39	
NYSDOH Matrix B Compounds												
Tetrachloroethene	171		11500	E	71.2		278	E	183		524	E
1,1,1-Trichloroethane	0.65	J	13.9	J	1.09	U	1.81		1.87		77.1	
Methylene Chloride	2.59		43.6	U	1.74	U	1.74	U	1.74	U	1.74	U
NYSDOH Matrix C Compounds												
Vinyl chloride	0.20	U	5.02	U	0.20	U	0.20	U	0.20	U	0.20	U
NYSDOH Matrix D Compounds												
Benzene	13.7		9.00	J	7.87		0.84		0.45	J	0.91	
Ethylbenzene	12.4		64.2		3.65		2.08		2.26		5.81	
Naphthalene	0.86	J	65.8	U	1.90	J	0.63	J	1.10	J	1.38	J
Cyclohexane	4.34		17.3	U	4.01		0.31	J	0.25	J	0.34	J
2,2,4-Trimethylpentane	7.84		23.5	U	5.58		0.93	U	0.93	U	0.93	U
1,2,4-Trimethylbenzene	7.55		24.7	U	3.80		2.87		3.14		8.71	
1,3,5-Trimethylbenzene	2.02		24.7	U	1.03		0.63	J	0.71	J	0.91	J
Xylene, o-	19.9		95.1		5.07		3.82		3.78		9.58	
NYSDOH Matrix E Compounds												
m,p-Xylene	53.3		291		15.8		9.20		9.14		24.2	
n-Heptane	13.7		10.5	J	2.61		1.48		2.39		1.66	
n-Hexane	17.6		15.2	J	13.0		1.07	J	4.31		0.84	J
NYSDOH Matrix F Compounds												
Toluene	16.4		12.2	J	10.7		3.12		3.04		3.75	
Non-NYSDOH Matrix Compounds												
1,1,2,2-Tetrachloroethane	1.37	U	34.5	U	1.37	U	1.37	U	1.37	U	1.37	U
1,1,2-Trichloroethane	1.09	U	27.4	U	1.09	U	1.09	U	1.09	U	1.09	U
1,1,2-Trichlorotrifluoroethane	0.58	J	38.5	U	0.62	J	0.60	J	0.60	J	0.61	J
1,1-Dichloroethane	0.81	U	20.3	U	0.81	U	0.81	U	0.81	U	0.81	U
1,2,4-Trichlorobenzene	3.71	U	93.1	U	3.71	U	3.71	U	3.71	U	3.71	U
1,2-Dibromoethane	1.54	U	38.6	U	1.54	U	1.54	U	1.54	U	1.54	U
1,2-Dichlorobenzene	1.20	U	30.2	U	1.20	U	1.20	U	1.20	U	1.20	U
1,2-Dichloroethane	0.81	U	20.3	U	0.81	U	0.81	U	0.81	U	0.81	U
1,2-Dichloroethene, Total	1.59	U	39.8	U	1.59	U	1.59	U	1.59	U	1.59	U
1,2-Dichloropropane	0.92	U	23.2	U	0.92	U	0.92	U	0.92	U	0.92	U
1,2-Dichlorotetrafluoroethane	1.40	U	35.1	U	1.40	U	1.40	U	1.40	U	1.40	U
1,3-Butadiene	10.1		4.49	J	3.61		0.44	U	0.44	U	0.23	J
1,3-Dichlorobenzene	0.49	J	30.2	U	1.20	U	0.87	J	0.68	J	0.74	J
1,4-Dichlorobenzene	1.20	U	30.2	U	0.60	J	1.20	U	1.20	U	1.20	U
1,4-Dioxane	2.60	J	452	U	18.0	U	18.0	U	18.0	U	1.57	J
2-Chlorotoluene	1.04	U	26.0	U	1.04	U	1.04	U	1.04	U	1.04	U
3-Chloropropene	1.57	U	39.3	U	1.57	U	1.57	U	1.57	U	1.57	U
4-Ethyltoluene	2.07		24.7	U	0.92	J	0.67	J	0.76	J	0.89	J
4-Isopropyltoluene	0.69	J	27.6	U	1.10	U	1.10	U	1.10	U	1.10	U
Acetone	695	E	598		20.1		31.8		11.9	U	28.9	
Benzyl chloride	1.04	U	26.0	U	1.04	U	1.04	U	1.04	U	1.04	U
Bromodichloromethane	1.34	U	33.6	U	1.34	U	1.34	U	1.34	U	1.34	U
Bromoethene(Vinyl Bromide)	0.87	U	22.0	U	0.87	U	0.87	U	0.87	U	0.87	U
Bromoform	2.07	U	51.9	U	2.07	U	2.07	U	2.07	U	2.07	U
Bromomethane	0.78	U	19.5	U	0.78	U	0.78	U	0.78	U	0.78	U
Carbon disulfide	3.25		39.1	U	0.64	J	1.43	J	1.22	J	2.01	
Chlorobenzene	0.64	J	23.1	U	0.92	U	0.57	J	0.72	J	0.82	J
Chlorodifluoromethane	1.82		44.4	U	1.71	J	2.41		5.14		12.4	
Chloroethane	1.32	U	33.1	U	1.32	U	1.32	U	1.32	U	1.32	U
Chloroform	0.68	J	24.5	U	0.98	U	2.14		0.92	J	1.45	
Chloromethane	1.48		25.9	U	1.60		1.03	U	1.03	U	1.03	U
cis-1,3-Dichloropropene	0.91	U	22.8	U	0.91	U	0.91	U	0.91	U	0.91	U
Cumene	0.90	J	24.7	U	0.98	U	0.98	U	0.98	U	0.98	U
Dibromochloromethane	1.70	U	42.8	U	1.70	U	1.70	U	1.70	U	1.70	U
Dichlorodifluoromethane	2.39	J	62.1	U	3.28		2.55		2.47		3.01	
Hexachlorobutadiene	2.13	U	53.5	U	2.13	U	2.13	U	2.13	U	2.13	U
Isopropyl alcohol	62.6		308	U	12.3	U	10.5	J	8.60	J	14.5	
Methyl Butyl Ketone (2-Hexanone)	2.67		51.4	U	2.05	U	2.05	U	2.05	U	2.42	
Methyl Ethyl Ketone	49.3		38.5		3.04		4.41		0.63	J	4.64	
methyl isobutyl ketone	4.30		51.4	U	2.05	U	1.26	J	1.10	J	2.56	
Methyl methacrylate	2.05	U	51.4	U	2.05	U	2.05	U	2.05	U	0.53	J
Methyl tert-butyl ether	0.72	U	18.1	U	0.72	U	0.72	U	0.72	U	0.72	U
n-Butane	6.67		29.8	U	4.83		1.19	U	0.82	J	1.19	U
n-Butylbenzene	0.55	J	27.6	U	0.39	J	1.10	U	0.44	J	0.46	J
n-Propylbenzene	1.50		24.7	U	0.65	J	0.46	J	0.50	J	0.64	J
sec-Butylbenzene	1.10	U	27.6	U	1.10	U	1.10	U	1.10	U	1.10	U
Styrene	2.26		21.4	U	0.97		0.98		1.05		1.46	
tert-Butyl alcohol	7.31	J	380	U	15.2	U	5.41	J	15.2	U	15.2	U
tert-Butylbenzene	1.10	U	27.6	U	1.10	U	1.10	U	1.10	U	1.10	U
Tetrahydrofuran	5.39	J	370	U	14.7	U	14.7	U	14.7	U	14.7	U
trans-1,2-Dichloroethene	0.79	U	19.9	U	0.79	U	0.79	U	0.79	U	0.79	U
trans-1,3-Dichloropropene	0.91	U	22.8	U	0.91	U	0.91	U	0.91	U	0.91	U
Trichlorofluoromethane	1.59		28.2	U	1.72		2.06		2.65		3.96	
Xylene (total)	73.3		386		20.9		13.0		12.9		33.8	

Notes:
ug/m3 : mircrograms per cubic meter
Mitigation Recommended by NYSDOH Matrices
Monitoring Recommended by NYSDOH Matrices
Q : Qualifier
J : Indicates an estimated value.
U : Analyzed for but not detected.
E : Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.

Figures



SOURCE:

USGS TOPOGRAPHIC QUADRANGLE, 7.5 MINUTE SERIES: CENTRAL PARK, NY, 2023
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
10-FOOT CONTOUR INTERVAL

Remedial Investigation Report 28-12 41st Avenue Queens, New York	GEI Consultants	SITE LOCATION MAP
28-12 41st Ave LLC Rosyln Heights, New York	Project 2502602	July 2025 Fig. 1

EDDY, DEREK B:\Working\PARSONS CONSTRUCTION\2502602 28-12 41st Avenue NYC OER E-Designation\00_CAD\Figures\RIR\1 2502602 RIR Slm.dwg - 7/1/2025



LEGEND:

SITE

0 40 80

SCALE, FEET

SOURCE:

1. AERIAL IMAGERY OBTAINED USING BING MAPS, A MICROSOFT CORPORATION.

Remedial Investigation Report
28-12 41st Avenue
Queens, New York

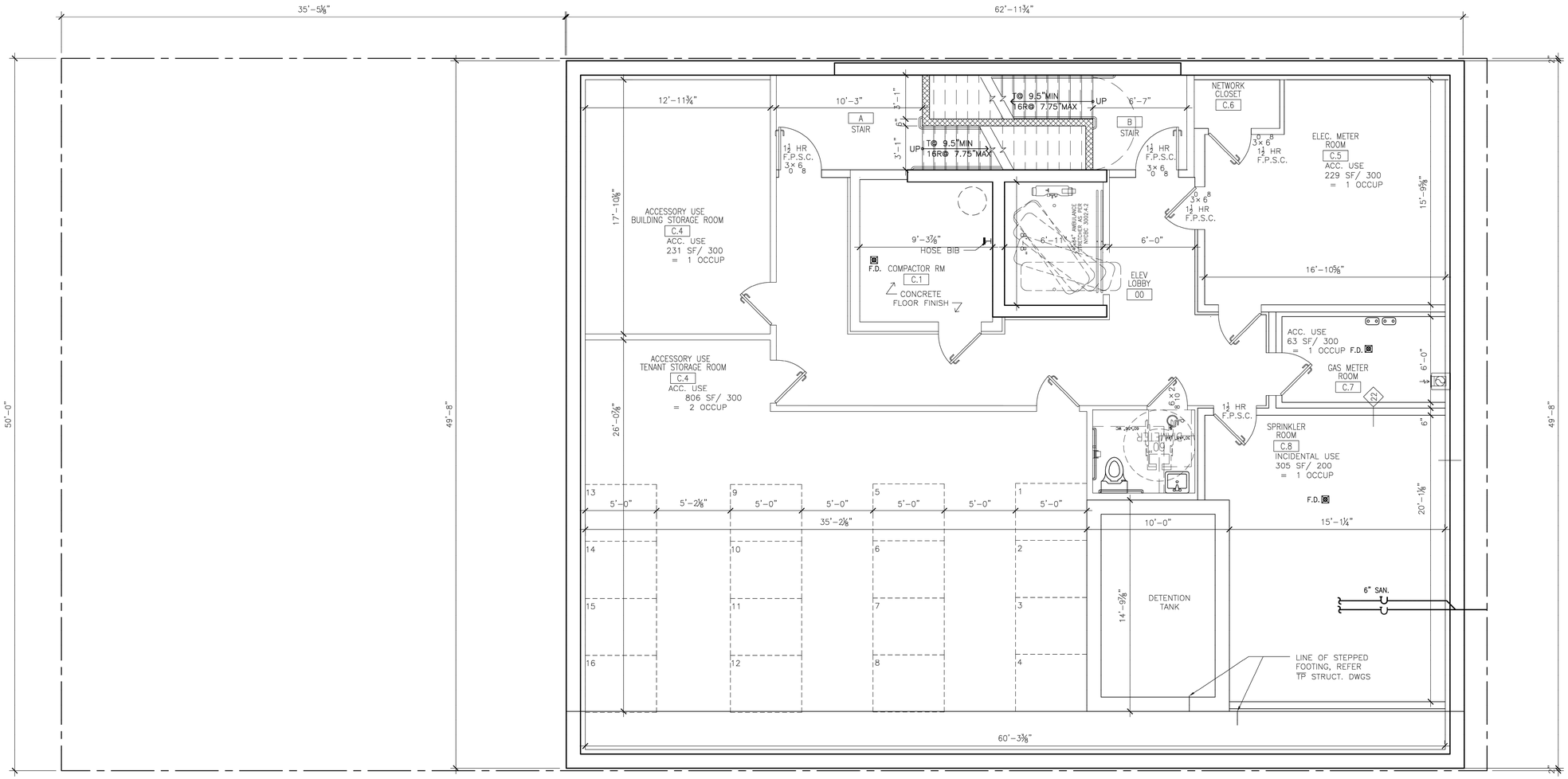
28-12 41st Ave LLC
Rosyln Heights, New York

GEI Consultants

SITE BOUNDARY

Project 2502602 | July 2025 | Fig. 2

EDDY, DEREK B:\Working\PARSONS CONSTRUCTION\2502602 28-12 41st Avenue NYC OER E-Designation\00_CAD\Figures\RIR\2 2502602 RIR Site.dwg - 7/1/2025



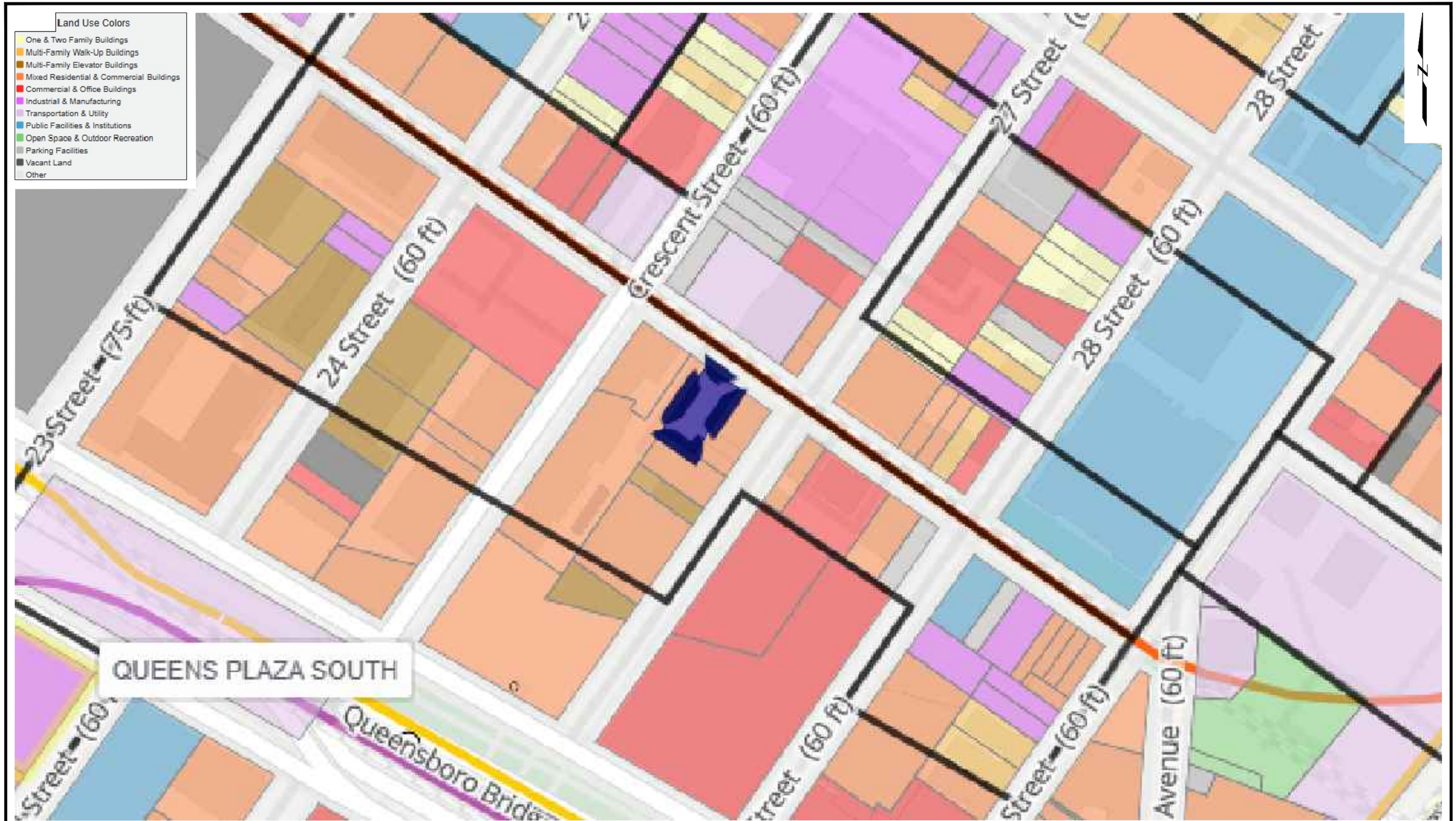
1 / A-010 CELLAR LEVEL PLAN
SCALE: 1/4"=1'-0"

0 4 8
SCALE, FEET

SOURCE:

1. PLAN BASED ON MAP PREPARED BY ARCHITECTS STUDIO P.C. TITLED *A-010.00 FLOOR PLAN* DATED 6.24.25.

Remedial Investigation Report 28-12 41st Avenue Queens, New York	GEI Consultants	PROPOSED SITE DEVELOPMENT
28-12 41st Ave LLC Rosyln Heights, New York	Project 2502602	July 2025 Fig. 3



0 40 80

SCALE, FEET

Remedial Investigation Report 28-12 41st Avenue Queens, New York	GEI Consultants	SURROUNDING LAND USE MAP
28-12 41st Ave LLC Rosyln Heights, New York	Project 2502602	July 2025 Fig. 4

EDDY, DEREK B:\Working\PARSONS CONSTRUCTION\2502602 28-12 41st Avenue NYC OER E-Designation\00_CAD\Figures\RIR\4 2502602 RIR SLU.dwg - 7/1/2025



LEGEND:

- SITE
- SOIL BORING
- TEMPORARY MONITORING WELL
- SOIL VAPOR SAMPLE
- SUB-SLAB SOIL VAPOR SAMPLE
- INDOOR AIR SAMPLE

0 20 40

SCALE, FEET

SOURCE:

1. AERIAL IMAGERY OBTAINED USING BING MAPS, A MICROSOFT CORPORATION.

Remedial Investigation Report
28-12 41st Avenue
Queens, New York

28-12 41st Ave LLC
Rosyln Heights, New York

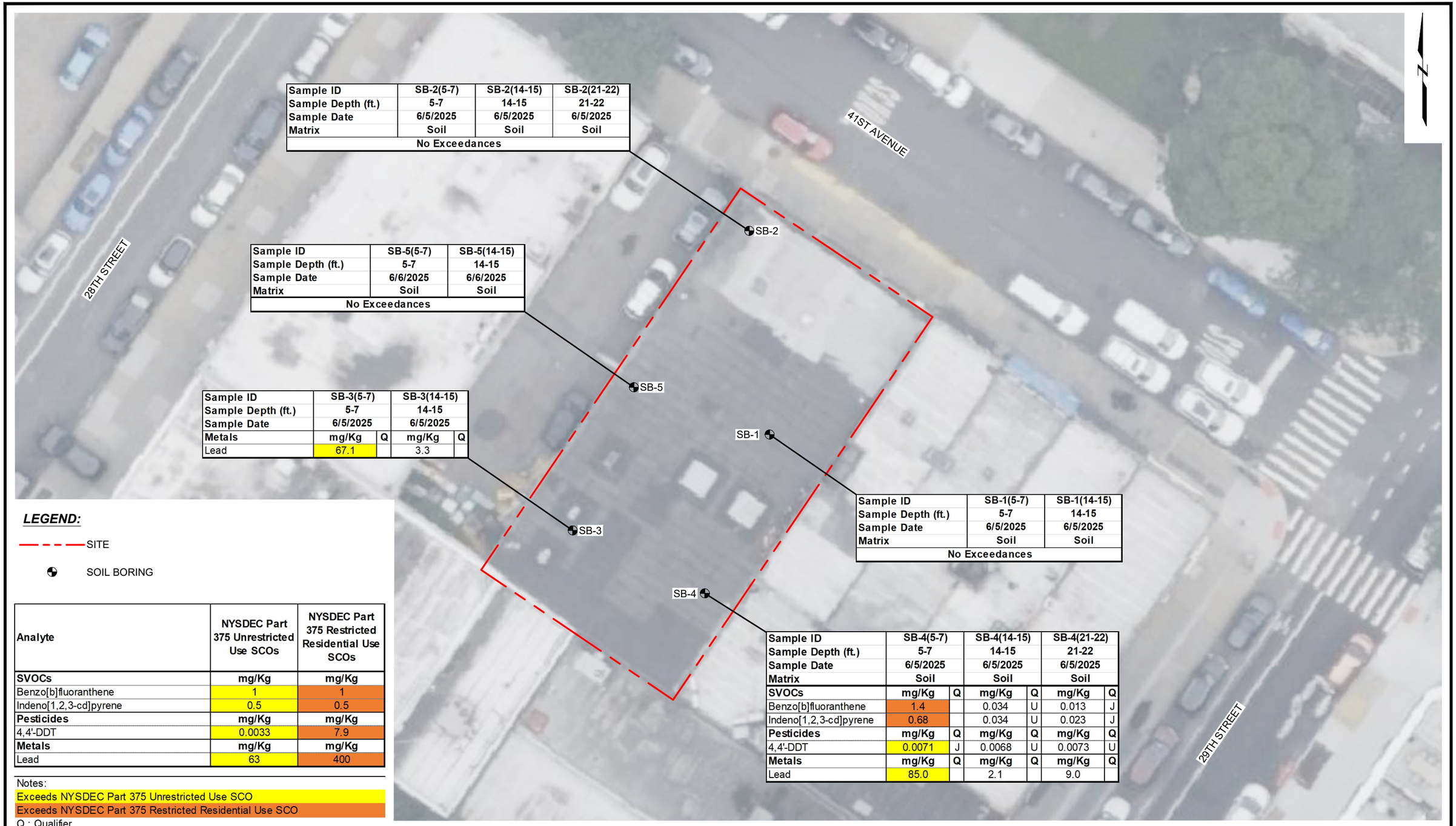
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Project 2502602

LOCATION OF
SOIL BORINGS, TEMPORARY
MONITORING WELLS,
AND SOIL VAPOR SAMPLES

July 2025 Fig. 5

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Sample ID	SB-2(5-7)	SB-2(14-15)	SB-2(21-22)
Sample Depth (ft.)	5-7	14-15	21-22
Sample Date	6/5/2025	6/5/2025	6/5/2025
Matrix	Soil	Soil	Soil
No Exceedances			

Sample ID	SB-5(5-7)	SB-5(14-15)
Sample Depth (ft.)	5-7	14-15
Sample Date	6/6/2025	6/6/2025
Matrix	Soil	Soil
No Exceedances		

Sample ID	SB-3(5-7)		SB-3(14-15)	
Sample Depth (ft.)	5-7		14-15	
Sample Date	6/5/2025		6/5/2025	
Metals	mg/Kg	Q	mg/Kg	Q
Lead	67.1		3.3	

Sample ID	SB-1(5-7)	SB-1(14-15)
Sample Depth (ft.)	5-7	14-15
Sample Date	6/5/2025	6/5/2025
Matrix	Soil	Soil
No Exceedances		

Sample ID	SB-4(5-7)		SB-4(14-15)		SB-4(21-22)	
Sample Depth (ft.)	5-7		14-15		21-22	
Sample Date	6/5/2025		6/5/2025		6/5/2025	
Matrix	Soil		Soil		Soil	
SVOCs	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q
Benzo[b]fluoranthene	1.4		0.034	U	0.013	J
Indeno[1,2,3-cd]pyrene	0.68		0.034	U	0.023	J
Pesticides	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q
4,4'-DDT	0.0071	J	0.0068	U	0.0073	U
Metals	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q
Lead	85.0		2.1		9.0	

LEGEND:

SITE

SOIL BORING

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Residential Use SCOs
SVOCs	mg/Kg	mg/Kg
Benzo[b]fluoranthene	1	1
Indeno[1,2,3-cd]pyrene	0.5	0.5
Pesticides	mg/Kg	mg/Kg
4,4'-DDT	0.0033	7.9
Metals	mg/Kg	mg/Kg
Lead	63	400

Notes:

Exceeds NYSDEC Part 375 Unrestricted Use SCO

Exceeds NYSDEC Part 375 Restricted Residential Use SCO

Q : Qualifier

J : Indicates an estimated value.

U : Analyzed for but not detected.

SOURCE:

1. AERIAL IMAGERY OBTAINED USING BING MAPS, A MICROSOFT CORPORATION.

0 20 40

SCALE, FEET

Remedial Investigation Report
28-12 41st Avenue
Queens, New York

28-12 41st Ave LLC
Rosyln Heights, New York

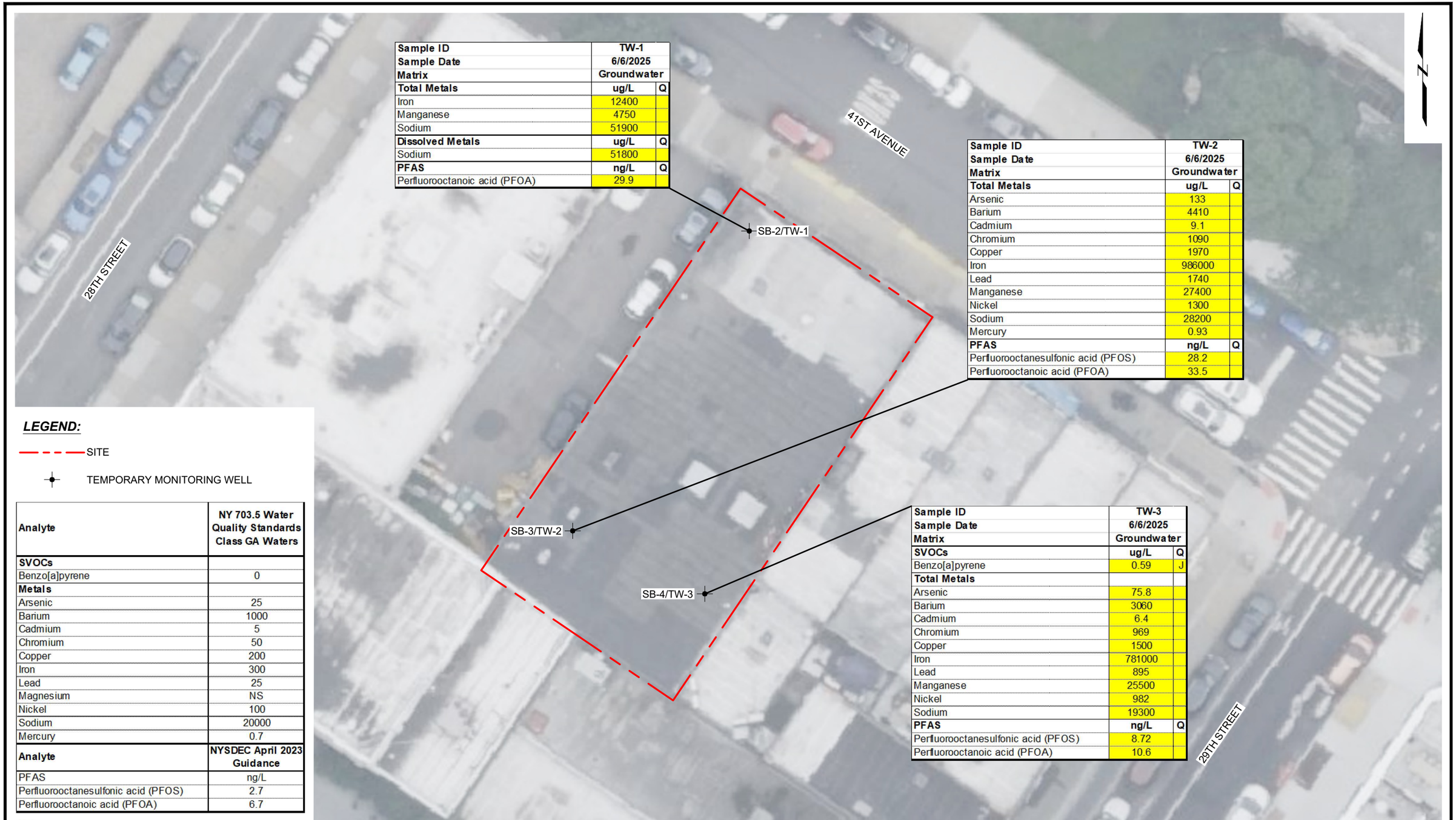
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Project 2502602

SOIL
CHEMISTRY RESULTS

July 2025 Fig. 6

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Sample ID	TW-1
Sample Date	6/6/2025
Matrix	Groundwater
Total Metals	**ug/L**	**Q**
Iron	12400	
Manganese	4750	
Sodium	51900	
Dissolved Metals	**ug/L**	**Q**
Sodium	51800	
PFAS	**ng/L**	**Q**
Perfluorooctanoic acid (PFOA)	29.9	

Sample ID	TW-2
Sample Date	6/6/2025
Matrix	Groundwater
Total Metals	**ug/L**	**Q**
Arsenic	133	
Barium	4410	
Cadmium	9.1	
Chromium	1090	
Copper	1970	
Iron	986000	
Lead	1740	
Manganese	27400	
Nickel	1300	
Sodium	28200	
Mercury	0.93	
PFAS	**ng/L**	**Q**
Perfluorooctanesulfonic acid (PFOS)	28.2	
Perfluorooctanoic acid (PFOA)	33.5	

Sample ID	TW-3
Sample Date	6/6/2025
Matrix	Groundwater
SVOCs	**ug/L**	**Q**
Benzo[a]pyrene	0.59	J
Total Metals		
Arsenic	75.8	
Barium	3060	
Cadmium	6.4	
Chromium	969	
Copper	1500	
Iron	781000	
Lead	895	
Manganese	25500	
Nickel	982	
Sodium	19300	
PFAS	**ng/L**	**Q**
Perfluorooctanesulfonic acid (PFOS)	8.72	
Perfluorooctanoic acid (PFOA)	10.6	

LEGEND:

SITE

TEMPORARY MONITORING WELL

Analyte	NY 703.5 Water Quality Standards Class GA Waters
SVOCs	
Benzo[a]pyrene	0
Metals	
Arsenic	25
Barium	1000
Cadmium	5
Chromium	50
Copper	200
Iron	300
Lead	25
Magnesium	NS
Nickel	100
Sodium	20000
Mercury	0.7
Analyte	**NYSDEC April 2023 Guidance**
PFAS	ng/L
Perfluorooctanesulfonic acid (PFOS)	2.7
Perfluorooctanoic acid (PFOA)	6.7

Notes

Q : Qualifier

J : Sample result is greater than the MDL but below the CRDL

0 20 40

SCALE, FEET

SOURCE:

1. AERIAL IMAGERY OBTAINED USING BING MAPS, A MICROSOFT CORPORATION.

Remedial Investigation Report
28-12 41st Avenue
Queens, New York

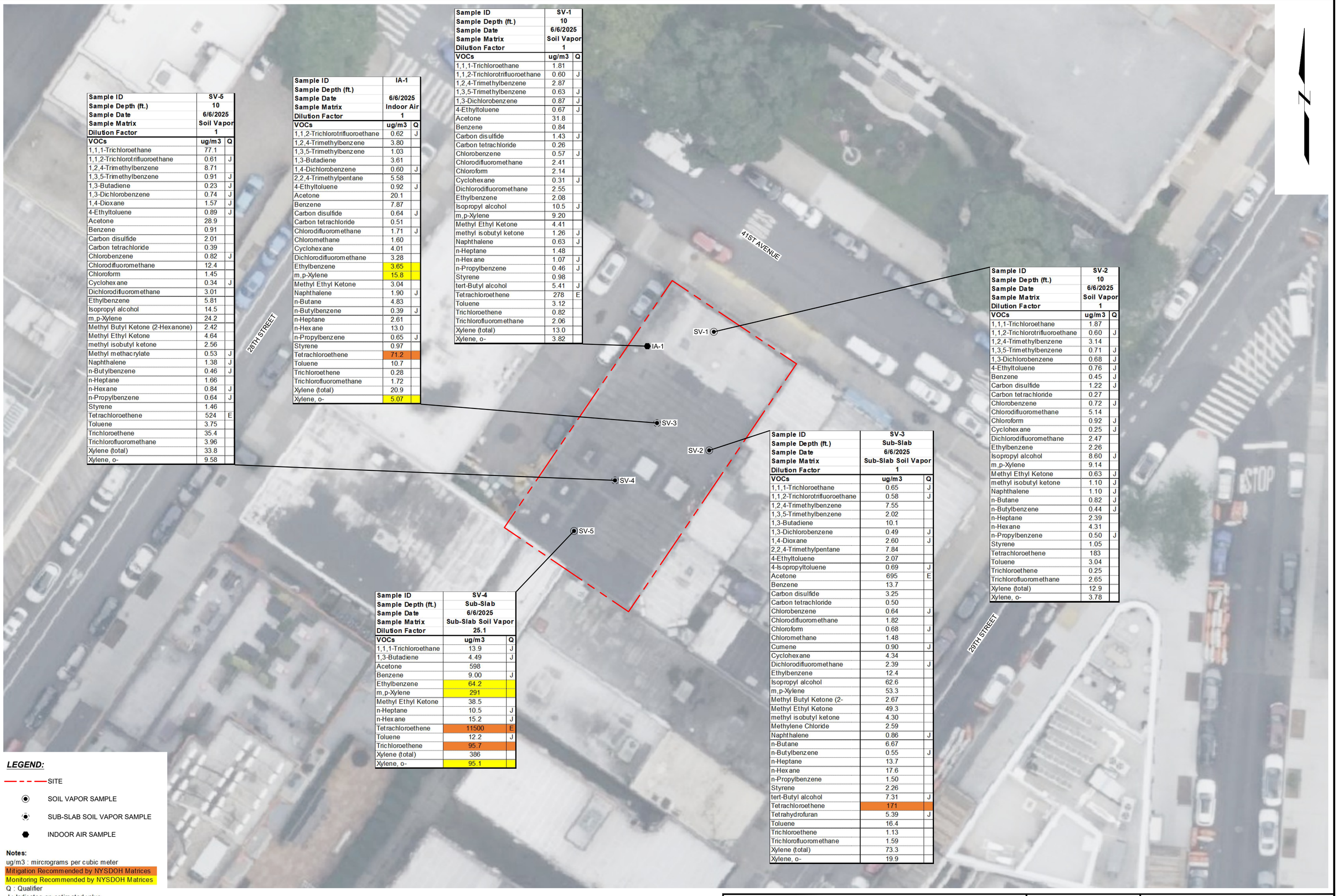
28-12 41st Ave LLC
Rosyln Heights, New York

GEI Consultants

GROUNDWATER CHEMISTRY RESULTS

Project 2502602 | July 2025 | Fig. 7

EDDY, DEREK B:\Working\PARSONS CONSTRUCTION\2502602 28-12 41st Avenue NYC OER E-Designation\00_CAD\Figures\RIR\7 2502602 RIR GW.dwg - 7/11/2025



Sample ID	SV-5	
Sample Depth (ft.)	10	
Sample Date	6/6/2025	
Sample Matrix	Soil Vapor	
Dilution Factor	1	
VOCs	ug/m3	Q
1,1,1-Trichloroethane	77.1	
1,1,2-Trichlorotrifluoroethane	0.61	J
1,2,4-Trimethylbenzene	8.71	
1,3,5-Trimethylbenzene	0.91	J
1,3-Butadiene	0.23	J
1,3-Dichlorobenzene	0.74	J
1,4-Dioxane	1.57	J
4-Ethyltoluene	0.89	J
Acetone	28.9	
Benzene	0.91	
Carbon disulfide	2.01	
Carbon tetrachloride	0.39	
Chlorobenzene	0.82	J
Chlorodifluoromethane	12.4	
Chloroform	1.45	
Cyclohexane	0.34	J
Dichlorodifluoromethane	3.01	
Ethylbenzene	5.81	
Isopropyl alcohol	14.5	
m,p-Xylene	24.2	
Methyl Butyl Ketone (2-Hexanone)	2.42	
Methyl Ethyl Ketone	4.64	
methyl isobutyl ketone	2.56	
Methyl methacrylate	0.53	J
Naphthalene	1.38	J
n-Butylbenzene	0.46	J
n-Heptane	1.66	
n-Hexane	0.84	J
n-Propylbenzene	0.64	J
Styrene	1.46	
Tetrachloroethene	524	E
Toluene	3.75	
Trichloroethene	35.4	
Trichlorofluoromethane	3.96	
Xylene (total)	33.8	
Xylene, o-	9.58	

Sample ID	IA-1	
Sample Depth (ft.)		
Sample Date	6/6/2025	
Sample Matrix	Indoor Air	
Dilution Factor	1	
VOCs	ug/m3	Q
1,1,2-Trichlorotrifluoroethane	0.62	J
1,2,4-Trimethylbenzene	3.80	
1,3,5-Trimethylbenzene	1.03	
1,3-Butadiene	3.61	
1,4-Dichlorobenzene	0.60	J
2,2,4-Trimethylpentane	5.58	
4-Ethyltoluene	0.92	J
Acetone	20.1	
Benzene	7.87	
Carbon disulfide	0.64	J
Carbon tetrachloride	0.51	
Chlorodifluoromethane	1.71	J
Chloromethane	1.60	
Cyclohexane	4.01	
Dichlorodifluoromethane	3.28	
Ethylbenzene	3.65	
m,p-Xylene	15.8	
Methyl Ethyl Ketone	3.04	
Naphthalene	1.90	J
n-Butane	4.83	
n-Butylbenzene	0.39	J
n-Heptane	2.61	
n-Hexane	13.0	
n-Propylbenzene	0.65	J
Styrene	0.97	
Tetrachloroethene	71.2	
Toluene	10.7	
Trichloroethene	0.28	
Trichlorofluoromethane	1.72	
Xylene (total)	20.9	
Xylene, o-	5.07	

Sample ID	SV-1	
Sample Depth (ft.)	10	
Sample Date	6/6/2025	
Sample Matrix	Soil Vapor	
Dilution Factor	1	
VOCs	ug/m3	Q
1,1,1-Trichloroethane	1.81	
1,1,2-Trichlorotrifluoroethane	0.60	J
1,2,4-Trimethylbenzene	2.87	
1,3,5-Trimethylbenzene	0.63	J
1,3-Dichlorobenzene	0.87	J
4-Ethyltoluene	0.67	J
Acetone	31.8	
Benzene	0.84	
Carbon disulfide	1.43	J
Carbon tetrachloride	0.26	
Chlorobenzene	0.57	J
Chlorodifluoromethane	2.41	
Chloroform	2.14	
Cyclohexane	0.31	J
Dichlorodifluoromethane	2.55	
Ethylbenzene	2.08	
Isopropyl alcohol	10.5	J
m,p-Xylene	9.20	
Methyl Ethyl Ketone	4.41	
methyl isobutyl ketone	1.26	J
Naphthalene	0.63	J
n-Heptane	1.48	
n-Hexane	1.07	J
n-Propylbenzene	0.46	J
Styrene	0.98	
tert-Butyl alcohol	5.41	J
Tetrachloroethene	278	E
Toluene	3.12	
Trichloroethene	0.82	
Trichlorofluoromethane	2.06	
Xylene (total)	13.0	
Xylene, o-	3.82	

Sample ID	SV-2	
Sample Depth (ft.)	10	
Sample Date	6/6/2025	
Sample Matrix	Soil Vapor	
Dilution Factor	1	
VOCs	ug/m3	Q
1,1,1-Trichloroethane	1.87	
1,1,2-Trichlorotrifluoroethane	0.60	J
1,2,4-Trimethylbenzene	3.14	
1,3,5-Trimethylbenzene	0.71	J
1,3-Dichlorobenzene	0.68	J
4-Ethyltoluene	0.76	J
Benzene	0.45	J
Carbon disulfide	1.22	J
Carbon tetrachloride	0.27	
Chlorobenzene	0.72	J
Chlorodifluoromethane	5.14	
Chloroform	0.92	J
Cyclohexane	0.25	J
Dichlorodifluoromethane	2.47	
Ethylbenzene	2.26	
Isopropyl alcohol	8.60	J
m,p-Xylene	9.14	
Methyl Ethyl Ketone	0.63	J
methyl isobutyl ketone	1.10	J
Naphthalene	1.10	J
n-Butane	0.82	J
n-Butylbenzene	0.44	J
n-Heptane	2.39	
n-Hexane	4.31	
n-Propylbenzene	0.50	J
Styrene	1.05	
Tetrachloroethene	183	
Toluene	3.04	
Trichloroethene	0.25	
Trichlorofluoromethane	2.65	
Xylene (total)	12.9	
Xylene, o-	3.78	

Sample ID	SV-3	
Sample Depth (ft.)	Sub-Slab	
Sample Date	6/6/2025	
Sample Matrix	Sub-Slab Soil Vapor	
Dilution Factor	1	
VOCs	ug/m3	Q
1,1,1-Trichloroethane	0.65	J
1,1,2-Trichlorotrifluoroethane	0.58	J
1,2,4-Trimethylbenzene	7.55	
1,3,5-Trimethylbenzene	2.02	
1,3-Butadiene	10.1	
1,3-Dichlorobenzene	0.49	J
1,4-Dioxane	2.60	J
2,2,4-Trimethylpentane	7.84	
4-Ethyltoluene	2.07	
4-Isopropyltoluene	0.69	J
Acetone	695	E
Benzene	13.7	
Carbon disulfide	3.25	
Carbon tetrachloride	0.50	
Chlorobenzene	0.64	J
Chlorodifluoromethane	1.82	
Chloroform	0.68	J
Chloromethane	1.48	
Cumene	0.90	J
Cyclohexane	4.34	
Dichlorodifluoromethane	2.39	J
Ethylbenzene	12.4	
Isopropyl alcohol	62.6	
m,p-Xylene	53.3	
Methyl Butyl Ketone (2-	2.67	
Methyl Ethyl Ketone	49.3	
methyl isobutyl ketone	4.30	
Methylene Chloride	2.59	
Naphthalene	0.86	J
n-Butane	6.67	
n-Butylbenzene	0.55	J
n-Heptane	13.7	
n-Hexane	17.6	
n-Propylbenzene	1.50	
Styrene	2.26	
tert-Butyl alcohol	7.31	J
Tetrachloroethene	171	
Tetrahydrofuran	5.39	J
Toluene	16.4	
Trichloroethene	1.13	
Trichlorofluoromethane	1.59	
Xylene (total)	73.3	
Xylene, o-	19.9	

Sample ID	SV-4	
Sample Depth (ft.)	Sub-Slab	
Sample Date	6/6/2025	
Sample Matrix	Sub-Slab Soil Vapor	
Dilution Factor	25.1	
VOCs	ug/m3	Q
1,1,1-Trichloroethane	13.9	J
1,3-Butadiene	4.49	J
Acetone	598	
Benzene	9.00	J
Ethylbenzene	64.2	
m,p-Xylene	291	
Methyl Ethyl Ketone	38.5	
n-Heptane	10.5	J
n-Hexane	15.2	J
Tetrachloroethene	11500	E
Toluene	12.2	J
Trichloroethene	95.7	
Xylene (total)	386	
Xylene, o-	95.1	

LEGEND:

- SITE
- SOIL VAPOR SAMPLE
- SUB-SLAB SOIL VAPOR SAMPLE
- INDOOR AIR SAMPLE

Notes:

ug/m3 : mircrograms per cubic meter

Mitigation Recommended by NYSDOH Matrices

Monitoring Recommended by NYSDOH Matrices

Q : Qualifier

J : Indicates an estimated value.

E : Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.

0 20 40

SCALE, FEET

SOURCE:

1. AERIAL IMAGERY OBTAINED USING BING MAPS, A MICROSOFT CORPORATION.

Remedial Investigation Report
28-12 41st Avenue
Queens, New York

28-12 41st Ave LLC
Rosyln Heights, New York

GEI Consultants

Project 2502602

SOIL VAPOR AND INDOOR AIR CHEMISTRY RESULTS

July 2025 Fig. 8

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Appendix A

Previous Environmental Reports

WAREHOUSE BUILDING
28-12 41ST AVENUE
LONG ISLAND CITY, NEW YORK 11101
NEW YORK CITY TAX ID: BLOCK 417, LOT 20

PHASE I
ENVIRONMENTAL SITE ASSESSMENT
(ASTM 1527-13/40 CFR PART 312)



PREPARED FOR:

iCross Capital
28-07 Jackson Avenue, 8th Floor
Long Island City, New York 11101

PREPARED BY:

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PWGC Project Number: ICF2101

APRIL 2021

PWGC
CLIENT DRIVEN SOLUTIONS

PHASE I ENVIRONMENTAL SITE ASSESSMENT
28-12 41ST AVENUE, LONG ISLAND CITY, NEW YORK 11101

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
28-12 41ST AVENUE, LONG ISLAND CITY, NEW YORK 11101

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1.0 EXECUTIVE SUMMARY

iCross Capital (Client) retained P.W. Grosser Consulting, Inc. (PWGC) to prepare a Phase I Environmental Site Assessment (ESA) for the property located at 28-12 41st Avenue, Long Island City, New York. The purpose of the Phase I ESA was to identify and evaluate the presence of Recognized Environmental Conditions (RECs) at the subject property. RECs are the presence or likely presence of any hazardous substance or petroleum product under conditions that indicate an existing release, a past release, or material threat of a release of any hazardous substance or petroleum product into structures on the property or into the ground, groundwater, or surface water of the property.

The subject property consists of one parcel located at 28-12 41st Avenue in the Neighborhood of Long Island City, New York. The subject property is located in the borough of Queens and Queens County, which is located in the City of New York. The property is identified in the New York City Tax Map as Block 417, Lot 20.

The subject property measures approximately 5,000 square feet and is improved with a one story, slab-on-grade warehouse building which occupies the entirety of the lot. The building is currently vacant.

Work was conducted in accordance with the American Society for Testing and Materials (ASTM) Standard E 1527-13 (Standard Practices for Environmental Site Assessment: Phase I Environmental Site Assessment Process), 40 Code of Federal Regulations (CFR) Part 312 (Standards and Practices for All Appropriate Inquiry; Final Rule), and PWGC's proposal for services.

PWGC evaluated the findings associated with the subject property and identified three RECs with respect to the subject property. Conditions determined to be RECs are detailed below:

- According to provided historical documents and reasonably ascertainable information, the site has historically been used for metal works, dry cleaning, and auto repair. Such activities commonly use petroleum product and chlorinated solvents as part of their routine operations. Improper storage and handling of such materials can potentially impact the subsurface. PWGC believes the site's history for metal works, dry cleaning, and auto repair is a REC.
- During the site reconnaissance, PWGC identified a metal-rimmed object approximately three inches in diameter in the sidewalk adjacent to the northwest corner of the building indicative of a possible former fill port for a UST. PWGC did not identify an AST or UST within the property and the site is currently

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LONG ISLAND • MANHATTAN • SARATOGA SPRINGS • SYRACUSE • SEATTLE • SHELTON

connected to natural gas; however, this metal rimmed object can potentially be associated with a UST under the sidewalk which was used for storing heating oil prior to the site's conversion to natural gas heat. Improperly abandoned USTs are prone to corrosion and leaks which can go unchecked and impact the subsurface. PWGC believes the potential presence of a UST beneath the sidewalk in front of the building on site is a REC.

- The subject property is identified as an E-Designation site (E-104) according to publicly available information. The subject property is designated for Hazardous Materials with Phase I and Phase II testing protocol required. Based on this potential PWGC believes that this represents a REC for the subject property.

Based on the identified RECs, PWGC recommends a Phase II ESA be performed at the subject property. The Phase II ESA should include:

- Geophysical survey focusing on the potential UST area.
- Subsurface investigation including soil, groundwater, and soil vapor sampling.

Although not a part of the ASTM E1527-13 scope, the following additional concerns associated with the subject property must be considered:

- Based on inspection of the subject property, it is possible that ACM and/or lead-based paint are present within the structure. PWGC recommends that, prior to demolition or renovation of the building, a detailed asbestos and/or lead based paint survey should be performed by a qualified asbestos/lead inspector in accordance with applicable federal, state, and local regulations prior to renovation or demolition of the building; please note that the asbestos/lead inspection performed as part of this Phase I ESA does not meet that criteria.
- Given the location of the subject property within the five boroughs of New York City, there is a potential for historic fill material to be present beneath the subject property. Such material, if excavated (for the purpose of constructing a building, installing new footings, and/or utilities), will require special handling and disposal.

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2.0 INTRODUCTION

2.1 Purpose

iCross Capital (Client) retained P.W. Grosser Consulting, Inc. (PWGC) to prepare a Phase I Environmental Site Assessment (ESA) for the property located at 28-12 41st Avenue, Long Island City, New York. The purpose of the Phase I ESA was to identify and evaluate the presence of Recognized Environmental Conditions (RECs) at the subject property. RECs are the presence or likely presence of any hazardous substance or petroleum product under conditions that indicate an existing release, a past release, or material threat of a release of any hazardous substance or petroleum product into structures on the property or into the ground, groundwater, or surface water of the property.

2.2 Scope of Services

The assessment consisted of a visual inspection of the subject property and surrounding areas, interviews, a review of historical information and aerial photographs, and a review of pertinent local, state, federal and facility records. Environmental Data Resources (EDR) of Shelton, Connecticut provided the following: a database search of environmental compliance records of sites within an ASTM standard radius of the property, a Sanborn fire insurance map search, historical aerial photograph search, and a historical telephone directory search.

PWGC reviewed the environmental database report compiled by EDR as a part of the assessment. The purpose of the review was to identify reported listings for the subject property or other properties in the vicinity of the subject property. Databases reviewed included federal and state lists of known or suspected contaminated sites, lists of known handlers or generators of hazardous waste, lists of known waste disposal facilities, and lists of aboveground and underground storage tanks (ASTs and USTs). PWGC's review of the database has been incorporated into this report along with a copy of the EDR report.

The work was conducted in accordance with the American Society for Testing and Materials (ASTM) Standard E 1527-13 (Standard Practices for Environmental Site Assessment: Phase I Environmental Site Assessment Process), 40 CFR Part 312 (Standards and Practices for All Appropriate Inquiry; Final Rule) and PWGC's proposal for services.

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2.3 Definitions

1. RECs are the presence or likely presence of any hazardous substance or petroleum product in, on, or at a property: (1) due to any release to the environment; (2) under the conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.
2. Historic RECs (HREC) are identified as 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 (e.g., property use restrictions, activity or use limitations (AULs), institutional controls, or engineering controls).
3. Controlled RECs (CREC) are identified as a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g., as evidenced by the issuance of a No Further Action (NFA) letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, AULs, institutional controls, or engineering controls).
4. A *de minimus* condition generally does not present a threat to human health or to the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimus* conditions are not RECs nor CRECs.

2.4 Significant Assumptions

PWGC has made the following significant assumptions in the preparation of this report:

1. Groundwater Flow Direction – Based upon regional groundwater elevation maps and local topography, regional groundwater flow direction appears to be toward the southwest.
2. Regulatory Records Information - PWGC assumes that all information provided by EDR regarding the regulatory status of facilities within the ASTM Standard approximate minimum search distance is complete, accurate, and current.
3. Other - PWGC assumes that all information provided through interviews is complete and unbiased.

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2.5 Limitations and Exceptions

The conclusions presented in this report are professional opinions based on the data described in this report. These opinions have been arrived at in accordance with currently accepted engineering and hydrogeologic standards and practices applicable to this location and are subject to the following inherent limitations:

1. The data presented in this report are from visual inspections, examination of records in the public domain, and interviews with individuals having information about the subject property. The passage of time, manifestation of latent conditions, or occurrence of future events may require further exploration of the subject property, analysis of data, and re-evaluation of the findings, observations, and conclusions presented in this report.
2. The data reported and the findings, observations, and conclusions expressed are limited by the scope of work. The scope of work was defined by the request of the client.
3. No warranty or guarantee, whether expressed or implied, is made with respect to the data reported, findings, observations, or conclusions. These are based solely upon conditions in existence at subject property at the time of the investigation, and other information obtained and reviewed by PWGC.
4. PWGC's Phase I ESA report presents professional opinions and findings of a scientific and technical nature. While attempts were made to relate the data and findings to applicable environmental laws and regulations, the report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, or regulations or policies of federal, state, or local government agencies. PWGC does not assume liability for financial or other losses or subsequent damage caused by or related to any use of this document.
5. The conclusions presented in this report are professional opinions based on data described in this report. They are intended only for the purpose, subject property location, and project indicated. This report is not a definitive study of contamination at the subject property and should not be interpreted as such.
6. This report is based, in part, on information supplied to PWGC by third-party sources. While efforts have been made to substantiate this third-party information, PWGC cannot attest to the completeness or accuracy of information provided by others.

2.6 Special Terms and Conditions

Authorization to perform this assessment was given by a proposal for services between the Client and PWGC.

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2.7 User Reliance

This report was prepared for the exclusive use of the Client. PWGC assumes no liability for use of this report by any person or entity other than those for which it was prepared.

2.8 Data Gaps

Any data gaps identified herein, as defined by ASTM Practice E 1527-13 § 3.2.20, are not considered to have significantly affected the ability to identify RECs in connection with the subject property and do not alter the conclusions of this report, unless otherwise noted. Data gaps identified during the preparation of this Phase I ESA include:

- The earliest provided historical documentation is the 1898 Sanborn Map which depicts the subject property and the neighboring properties as being developed for residential use at this time. PWGC cannot attest to the time period in which the subject property and surrounding area was initially developed.
- Provided historical documents did not include information of the property from 1950 to 1970, other than aerial photographs which were of poor imagery. During this time period it appears that the use of the site changed from residential to commercial, including the construction of the building at the property. PWGC can not attest to the specific time period that the building at the subject property was constructed.

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3.0 PROPERTY DESCRIPTION AND PHYSICAL SETTING

3.1 Location and Legal Description

The subject property consists of one parcel located at 28-12 41st Avenue in the Neighborhood of Long Island City, New York. The subject property is located in the borough of Queens and Queens County, which is located in the City of New York. The property is identified in the New York City Tax Map as Block 417, Lot 20.

A Site Location Map is included as **Figure 1** and a Site Plan is included as **Figure 2**; photos of the subject property are included in **Appendix A**.

3.2 Subject Property Description and Improvements

The subject property measures approximately 5,000 square feet and is improved with a one story, slab-on-grade warehouse building which occupies the entirety of the lot. The building is currently vacant.

3.2.1 Municipal Services and Utilities

Utility services are provided to the property as follows:

- Heating/Cooling System – The property is heated/cooled via natural-gas fired air handlers mounted on the celling. The building is not cooled.
- Water Supply – The property is connected to the municipal water supply system.
- Sanitary System – The property is connected to the municipal sewer system.
- Electric – Electricity is provided to the property by Consolidated Edison.

3.3 Physical Setting

The topography of the subject property and surrounding area was reviewed from the USGS 7.5-minute series topographic map for the Central Park, New York quadrangle. The property elevation is approximately 33 feet above the National Geodetic Vertical Datum (NGVD). Regional physiographic conditions are summarized below.

3.3.1 Regional Geology / Hydrogeology

The geologic setting of Long Island is well documented and consists of crystalline bedrock composed of schist and gneiss overlain by layers of unconsolidated deposits. Immediately overlying the bedrock is the Raritan Formation, consisting of the Lloyd sand confined by the Raritan Clay Member. The Lloyd sand is an aquifer and consists of discontinuous layers of gravel, sand, sandy and silty clay, and solid clay. The Raritan Clay is a solid and silty clay with: few lenses of sand and gravel, abundant lignite and pyrite, and gray, red, or white in color.

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Above the Raritan Clay lies the Magothy Formation. The Magothy Aquifer consists of layers of fine to coarse sand of moderate to high permeability, with inter-bedded lenses of silt and clay of low permeability resulting in areas of preferential horizontal flow; therefore, this aquifer generally becomes more confined with depth. The Magothy Aquifer is overlain by the Upper Glacial Aquifer. The Upper Glacial Aquifer is the water table aquifer at this location and is comprised of medium to coarse sand and gravel with occasional thin lenses of fine sand and brown clay. This aquifer extends from the land surface to the top of the Magothy Aquifer; therefore, is hydraulically connected to the Magothy Aquifer.

3.3.2 Local Hydrogeology

Based upon the subject property elevation and PWGC's knowledge of the area gained from preforming subsurface investigations at nearby sites, the depth to groundwater beneath the subject property is approximately twenty feet below existing grade. Regional groundwater flow is estimated to be toward the southwest.

Based upon information contained within the EDR report, there are no public water supply wells within a one-mile radius of the subject property.

3.3.3 Flood Potential

PWGC reviewed the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRMs) to determine if the subject property is located within the 100-year or 500-year flood zones. Based upon FIRM data, it appears that the subject property is not located within the 100 or 500-year flood zone (FEMA Map Panel ID: 3604970093F).

3.3.4 Direction and Distance to Nearest Surface Water

Based on topographic maps, it appears that the nearest permanent surface water body is the East River, located approximately 3/4th of a mile to the west of the subject property.

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4.0 PROPERTY USAGE

4.1 Current Property Usage

The subject property is currently vacant and was most recently used by a printing company up until approximately 2019.

4.2 Current Usage of Adjoining/Surrounding Properties

A summary of the surrounding properties is as follows:

Table 4-1 – Current Usage of Surrounding Properties

Direction	Property Description
North	Newcomers Public High School
South	Mixed use commercial and residential.
East	Mixed used commercial and residential including a deli and a bakery.
West	Parking lot and a school.

4.3 Historical Usage of Subject Property and Surrounding Properties

Historical sources researched to determine past usage of the subject property and surrounding properties are as follows:

4.3.1 Sanborn Fire Insurance Maps

EDR was retained to provide historical Sanborn fire insurance maps of the subject and adjacent properties. Historical Sanborn maps for the subject property and surrounding area were reviewed for the years available which include 1898 to 2006. Review of the maps is summarized in Table 4-2 and Table 4-3. A copy of the historical Sanborn report is included in **Appendix B**.

Table 4-2 – Sanborn Map Summary (Subject Property)

Date	Issues Noted	Description
1898	No	The subject property is developed with two one-story garage buildings which are associated with residential dwellings on neighboring properties.
1915	No	The two garage buildings are no longer present and two residential dwellings are now present on the northern half of the property.

Date	Issues Noted	Description
1936 - 1950	No	The two residential dwellings are present on the northern portion of the site and two shed buildings are now present on the southern portion of the site.
1970	No	One of the two residential dwellings and one of the shed buildings has been removed from the property. The area which formally contained these structures appears to have not been redeveloped at this time.
1977 - 2006	No	A building which occupies the entire lot is now present at the building that contains a date of 1971. This appears to be the structure which currently exists at the subject property. The usage of the building is identified as a warehouse.

Table 4-3 – Sanborn Map Summary (Surrounding Properties)

Date	Issues Noted	Description
1898	No	North: Undeveloped. South: Single-family residential. East: Single-family residential. West: Single-family residential.
1915	No	North: High school. South: Single-family residential. East: Single-family residential. West: Single-family residential.
1936 - 1950	No	North: High school. South: Single-family and multi-family residential. East: Mixed use commercial and residential. West: Apartment building and a cigar company.
1970 - 1985	No	North: High school. South: Multi-family residential and commercial including a research lab. East: Mixed use commercial and residential. West: Apartment building and office building.
1986 - 2006	No	North: High school. South: Multi-family residential and commercial including a research lab. East: Mixed use commercial and residential. West: Office building.

4.3.2 *Historical Topographic Maps*

Historical topographic maps for the subject property and surrounding area were reviewed for the years available which include 1897 to 2013. Review of the maps is summarized in Table 4-4 and Table 4-5. Copies of historical topographic maps are included as **Appendix C**.

Table 4-4 – Topographic Map Summary (Subject Property)

Date	Issues Noted	Description
1897 - 2013	No	The resolution of available topographic maps is insufficient to draw conclusions as to the specific usage of the subject property.

Table 4-5 – Topographic Map Summary (Surrounding Properties)

Date	Issues Noted	Description
1897 - 2013	No	The resolution of available topographic maps is insufficient to draw conclusions as to the specific usage of the surrounding properties other than the presence of a school located to the north of the subject property from 1947 to 2013.

4.3.3 *Historical Aerial Photographs*

PWGC performed a review of readily available aerial photographs showing the subject property and surrounding area. Photographs were reviewed for the years available which include 1924 to 2017. Review of the photos is summarized in Table 4-6 and Table 4-7. A copy of the aerial photograph search is included in **Appendix D**.

Table 4-6 – Aerial Photograph Summary (Subject Property)

Date	Issues Noted	Description
1924	No	The property appears to be partially developed; however, the resolution of the provided photograph is not clear enough to assess the specifics of the development.
1941 - 1961	No	The property appears to be mostly developed; however, the resolution of the provided photograph is not clear enough to assess the specifics of the development.
1966	No	The resolution of the provided photograph is insufficient to assess development at the subject property.
1974 - 2017	No	The subject property is developed with a commercial building which appears to be the structure which is currently present at the site.

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Table 4-7 – Aerial Photograph Summary (Surrounding Properties)

Date	Issues Noted	Description
1924	No	North: School building. South: Residential/commercial. East: Vacant. West: Residential/commercial.
1941 - 2017	No	North: School building. South: Residential/commercial. East: Residential/commercial. West: Residential/commercial.

4.3.4 City Directory Listings

EDR was retained to provide a directory of historical telephone listings at the subject property and surrounding properties. City directories were reviewed for the years available which include 1934 to 2017. Review of city directories is summarized below. A copy of the city directory report is included as **Appendix E**.

Subject Property - Historical listings for the subject property include:

- For the years provided ranging from 1934 to 1970, only individual names of people are provided, and site usage could not be determined.
- The property is listed as Federal Express Corp in 1976.
- The property is listed as Perfect Auto Repair in 1991 and Redline Auto Repair in 1999 and 2000.
- The property is listed as CP Trading and a locksmith in 2005.
- The site is listed as Walnut Printing and A Roofing in 2014 and 2017.

Surrounding Area – in general, listings for the area surrounding the subject property in available city directories from 1934 to 2017 include a mix of commercial and residential properties. No city directory listings likely to represent an environmental concern to the subject property were identified in the area surrounding the subject property.

4.3.5 Subject Property Historical Summary

Based on review of historical sources, as described in Section 4.3.1 through 4.3.4, the subject property was first developed prior to 1898 and was used for residential purposes until approximately 1970. The property has been

used for commercial purposes since approximately 1971. Historical usage of the subject property indicative of potential RECs include the following:

- Auto repair from approximately 1991 to 2000.

4.3.6 Surrounding Area Historical Summary

Based on review of historical sources, as described in Section 4.3.1 through 4.3.4, the area surrounding the subject property was first developed prior to 1898 and was generally used for single-family and multi-family residential purposes until approximately 1936. Since approximately 1936 the surrounding area has been a mix of commercial and multi-family residential use including a high school located across 41st Avenue to the north. Historical usage of properties in the surrounding area indicative of potential RECs was not identified.

5.0 USER PROVIDED INFORMATION

5.1 User Requirements

The user of a Phase I ESA report, in accordance with the USEPA All Appropriate Inquiries (AAI) Rule and ASTM E1527-13 has certain responsibilities which include providing the following information, if available, to PWGC to be included within the Phase I Report. Additionally, PWGC provided the user of the report a User Questionnaire form. The information requested in the User Questionnaire is intended to assist in gathering information that may be material to identify if RECs are present at the subject property. A copy of the User Questionnaire and any provided documents are included in **Appendix F**; relevant information has been incorporated into this report.

5.2 Title Records

Title records for the subject property may contain information about past owners and uses of the subject property. The title report may also contain information, such as restrictive declarations which are limitations on site uses based upon know environmental conditions. As of the date of this report, the user has not provided PWGC with a title search or requested that PWGC perform a title search.

5.3 Environmental Liens

An environmental lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including, but not limited to, liens imposed pursuant to CERCLA 42 USC § 9607 (1) & 9607(r) and similar state and local laws. As of the date of this report, the user has not provided PWGC with a lien search or requested that PWGC perform a lien search.

5.4 Specialized Knowledge

The user provided no specialized knowledge about the property to PWGC.

5.5 Commonly Known or Reasonably Ascertainable Information

The user provided no commonly known information about the property to PWGC.

5.6 Valuation Reduction for Environmental Issues

The user provided no information regarding price adjustments to the subject parcels value due to environmental issues.

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5.7 Owner, Property Manager, and Occupant Information

The property is currently owned by Hope Enterprise Inc. of New York and is currently unoccupied.

5.8 Reason for Performing Phase I ESA

The Phase I ESA was performed to evaluate potential RECs prior to a potential property transaction.

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6.0 RECORDS REVIEW

6.1 Standard Environmental Record Sources

EDR of Shelton, Connecticut was retained to provide a database search of the project area within an ASTM-standard radius of the subject property. A list of the databases searched and the search radius is shown on the summary table below. PWGC reviewed the database output to determine if the property appears on any of the regulatory agency lists. Detailed information concerning each database list is provided in the EDR report (**Appendix G**).

In order to evaluate the potential for a site to have an adverse impact to the subject property, the migration pattern of contaminants in media such as groundwater or soil vapor is considered. Based upon the presumed regional flow towards the southwest, the following is assumed:

- Sites located northeast of the subject property or sites that are neighboring or adjacent to the subject property are considered to have the highest potential to impact the subject property and are referred to as “up gradient.”
- Sites located southwest of the subject property, which are not neighboring or adjacent to the subject property are considered to have the least potential to impact the subject property and are referred to as “down gradient.”
- All other sites not adjacent to or neighboring the subject property are referred to as “cross gradient” and are considered to have minimal potential to impact the subject property.

A summary of standard environmental record sources researched is as follows:

6.1.1 Federal Databases

The table below summarizes the Federal databases that were searched.

Table 6-1 - Federal Databases Searched

Agency	Listing Name or database Searched	Abbreviation	Search Distance	Target Property Identified	Nearby Properties Identified
USEPA	National Priority List	NPL	1.0 mile	No	0
USEPA	National Priority List Deletions	Delisted NPL	0.5 mile	No	0
USEPA	Superfund Enterprise Management System	SEMS	0.5 mile	No	0

Agency	Listing Name or database Searched	Abbreviation	Search Distance	Target Property Identified	Nearby Properties Identified
USEPA	Superfund Enterprise Management System Archive	SEMS-ARCHIVE	0.5 mile	No	0
USEPA	Resource Conservation and Recovery Act Corrective Action Activity	CORRACTS	1.0 mile	No	3
USEPA	Resource Conservation and Recovery Act Treatment/Storage/Disposal Facilities	RCRA TSD	0.5 mile	No	0
USEPA	Resource Conservation and Recovery Act Small/Large Quantity Hazardous Waste Generators	RCRA SQG/LQG/ CESQG/ Non-Gen	Subject Property and Adjoining	No	1
USEPA	Federal Institutional/Engineering Control registries	US INST/ENG Controls	Subject Property	No	N/A
USEPA	Emergency Response Notification System	ERNS	Subject Property	No	N/A
USEPA	Superfund (CERCLA) Consent Decrees	CONSENT	1.0 mile	No	0
USEPA	Records of Decision	ROD	1.0 mile	No	0
USEPA	Mines Master Index	MINES	0.25 mile	No	0

Review of the EDR Radius Map Report indicates that the subject property is not listed in Federal environmental databases searched. The nearby properties identified within the ASTM standard federal database search radii are detailed below.

RCRA CORRACTS - The EPA RCRA Corrective Actions (CORRACTS) database is the EPA's list of hazardous waste treatment, storage or disposal facilities subject to corrective action under RCRA.

The subject property is not identified as a CORRACTS site. Three properties within the search radius, Ravenswood PCB Storage, O'Connor Capital Partners, and Active Steel Drum Co, are identified as CORRACTS sites. Each of these three sites appear to be located down and/or cross gradient of the subject property and as such, appear unlikely to represent an environmental concern to the subject property.

RCRA Generators - The RCRA Generators database is a compilation of reporting facilities that generate hazardous waste. Large Quantity Generators (LQG) generate more than 1,000 kg of hazardous waste per month or more than 1 kg of acutely hazardous waste per month. Small Quantity Generators (SQG) generate more than 100 kg and less than 1,000 kg of hazardous waste per month. Conditionally Exempt SQGs (CESQG) generate less than 100 kg of hazardous waste per month or less than 1 kg of acutely hazardous waste per month. A RCRA non-generator (RCRA Non-Gen) no longer produces hazardous waste.

The subject property is not identified as a RCRA Generator site. One adjacent property to the north, NYC Dept of Education – HS 450Q, is identified as a RCRA SQG for producing a hazardous waste in November 2015. The contents of the hazardous waste which was generated is not identified in the database report. No violations are identified in conjunction with this site's status as a RCRA SQG and does not appear to represent an environmental concern to the subject property.

6.1.2 State and Local Databases

The table below summarizes the State databases that were searched.

Table 6-2 - New York State and Local Databases Searched

Agency	Listing Name or database Searched	Abbreviation	Search Distance	Target Property Identified	Nearby Properties Identified
NYSDEC	Inactive Hazardous Waste Disposal Sites in New York State	SHWS	1.0 mile	No	19
NYSDEC	Hazardous Substance Waste Disposal Site Study	HSWDS	0.5 mile	No	0
NYSDEC	Solid Waste Facility Register	SWF/LF	0.5 mile	No	1
NYSDEC	Registered Recycling Facilities	SWRCY	0.5 mile	No	0
NYSDEC	Registered Waste Tire Storage Facilities	SWTIRE	0.5 mile	No	0
NYSDEC	Petroleum Bulk Storage (PBS)	UST/AST	Subject Property and Adjoining	No	1
NYSDEC	Chemical Bulk Storage (CBS)	CBS AST/UST	Subject Property and Adjoining	No	0
NYSDEC	Major Oil Storage Facilities	MOSF	0.5 mile	No	0
NYSDEC	Leaking Underground Storage Tank Sites	LTANKS	0.5 mile	No	55

Agency	Listing Name or database Searched	Abbreviation	Search Distance	Target Property Identified	Nearby Properties Identified
NYSDEC	New York State Spills	NYSPILLS	0.125 mile	No	30
NYSDEC	Institutional/Engineering Control registries	INST/ENG Controls	Subject Property	No	N/A
NYSDEC	Voluntary Cleanup Agreements	VCP	0.5 mile	No	6
NYSDEC	Brownfield Cleanup Program & Environmental Restoration Program	BCP/ERP	0.5 mile	No	26
NYSDEC	Dry Cleaner Site	Dry cleaners	0.25 mile	Yes	5
NYC	E-Designation	E-DES	Subject Property	Yes	N/A

Review of the EDR Radius Map Report indicates that the subject property is listed in State environmental databases searched. The subject property and nearby properties identified within the ASTM standard State database search radii are detailed below.

New York State Inactive Hazardous Waste Disposal Sites - The New York State Department of Environmental Conservation (NYSDEC) maintains a state priority list of Inactive Hazardous Waste Disposal Sites (SHWS) considered to be actually or potentially contaminated and presenting a possible threat to human health and the environment. Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites.

The subject property is not identified as a SHWS site. Nineteen properties within the search radius are identified as SHWS sites. Of the nineteen identified SHWS sites, twelve appear to be located down and/or cross gradient of the subject property and as such, appear unlikely to represent an environmental concern to the subject property. Seven identified SHWS sites appear to be located up gradient of the subject property which are detailed below:

- Fresh Cleaners & Laundry Inc: Located approximately 1/6th mile to the northeast of the subject property and has been historically used for dry cleaning. Environmental investigations performed in 2009, 2012, and 2014 identified the presence of elevated concentrations of chlorinated solvents in soil, groundwater, and soil vapor on site and directly down gradient of the site, including the highest concentration of soil vapor impact being detected south of 40th Avenue located approximately 500 feet

from the subject property . This site was enrolled into the NYSDEC Brownfield Cleanup Program (BCP) in 2016 and an Interim Remedial Measure Work Plan was preprepared to address the source of the contamination. As of the date of this report, documented remedial efforts have not been performed at this SHWS site, however based on information included in the NYSDEC file for this site, the plume of contamination does not appear to extend further south than 40th Road, which is a block upgradient of the subject property. Based on this information, PWGC does not believe that this site represents an environmental concern to the subject property.

- Motor and Iron Works: This site is located approximately 1/3rd mile northeast of the subject property and has been historically used for various manufacturing purpose including auto parts, woodworking, engine equipment, and a laboratory. Information regarding environmental issues and/or remedial efforts are not identified in the database repot other than noting historic fill is present on site; however, records of a NYSDEC Spill associated with this site (NYSDEC Spill #16-03003) identified the presence of petroleum related Volatile Organic Compounds (VOCs) in the soils on site. As of the date of this report, the spill remains active. This site is enrolled in the New York City Office of Environmental Remediation (NYCOER) Volunteer Cleanup Program and spill remedial efforts are ongoing. Additionally, significant impacts to groundwater were not identified. PWGC does not believe this site represents an environmental concern to the subject property.
- Jung Sun Laundry Site: This site is located approximately ½ mile north of the subject property and has historically been used for dry cleaning. Previous environmental investigations in 2012 and 2014 identified elevated concentrations of chlorinated solvents in soil and groundwater in exceedance of NYSDEC standards at the site. Additionally, chlorinated solvent impact was identified in down gradient groundwater and soil vapor samples collected during additional environmental investigations. According to the database report, chlorinated solvent impact to groundwater has migrated 400 feet downgradient from this site, however the downgradient concentrations identified are considerably lower than concentrations found at the source location. Based on this information, it does not appear likely that chlorinated solvent contamination emanating from this SHWS site is likely to impact the subject property.
- Levco Metals: This site is located approximately ½ mile northeast of the subject property and has historically been used as a metal plating and finishing facility. Several remedial efforts between 2005 and 2010 included the removal of VOC and metal impacted soil and groundwater, as well as the installation of a Sub-Slab Depressurization System (SSDS) to mitigate soil vapor intrusion emanating from

an off-site source. Based on the information in the database report, PWGC does not believe this site represents an environmental concern to the subject property.

- Teitlebaum Cleaners: This site is located approximately ½ mile northeast of the subject property and has historically been used for dry cleaning. Prior environmental investigations identified the presence of elevated concentrations of chlorinated solvents in the groundwater beneath the site. According to information included in the database report, groundwater contamination was contained to the site boundary as the plume was not identified to be migrating off site. Based on the information in the database report, PWGC does not believe this site represents an environmental concern to the subject property.
- 34-14 31st Street: This site is located approximately one mile north of the subject property and has historically been used for auto repair. Chlorinated solvent impact was identified in the soil and soil vapor on site during previous site investigations. Subsequent remedial efforts successfully removed impacted soils to achieve unrestricted use cleanup objectives. Based on the information in the database report, PWGC does not believe this site represents an environmental concern to the subject property.
- Former Luft Co Inc Cosmetics Manufacturer: This site is located approximately one mile northeast of the subject property and has been historically used for various manufacturing purposes including cosmetics. A series of subsurface investigations identified the presence of elevated concentrations of chlorinated solvents in groundwater; however, similar impact was not identified in the soils on site and the source of impact appeared to be emanating from off site. Based on the information in the database report, PWGC does not believe this site represents an environmental concern to the subject property.

Solid Waste Facility Register - The NYSDEC Solid Waste Facility Register (SWF) records contain an inventory of solid waste disposal facilities or landfills in New York State.

The subject property is not identified as a SWF site. One property within the search radius, City Used Auto Center, is identified as SWF site. The one identified SWF site appears to be located cross gradient of the subject property and as such, appears unlikely to represent an environmental concern to the subject property.

Petroleum Bulk Storage - The NYSDEC Petroleum Bulk Storage (PBS) - UST database lists facilities with a petroleum storage capacity of more than 1,100 gallons and less than 400,000 gallons. The NYSDEC Petroleum Bulk Storage - AST database lists facilities with registered ASTs.

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The subject property is not identified as a PBS site. One site adjacent to the north of the subject property, Newcomers Highschool, is identified as PBS site with one 15,000-gallon heating oil UST which was reportedly closed-in-place on August 2, 2018. A spill occurred on January 13, 2001 after a burred pipe connected to this UST was observed to had ruptured and impacted the soil in the immediate area. NYSDEC Spill #00-11166 was opened after the leak was identified. Remedial efforts included the removal of approximately ten cubic yards if petroleum impacted soils and the spill was subsequently closed by NYSDEC on February 19, 2003. Based on this information it does not appear that the former UST at this adjacent property represents an environmental concern to the subject property.

Leaking Underground Storage Tank Sites - The Leaking Underground Storage Tank Sites (LTANKS) database contains a NYSDEC inventory of reported leaking storage tank incidents. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

The subject property is not identified as a LTANKS site. Fifty-five properties within the search radius are identified as LTANKS sites. Of the fifty-five identified LTANKS sites none of them are located adjacent to the subject property, each record has been closed by NYSDEC, and as such appear unlikely to represent an environmental concern to the subject property.

New York State Spills - The New York State Spills Information Database (NYSPILLS) contains data collected on chemical and petroleum spill incidents reported to NYSDEC since April 1, 1986.

The subject property is not identified as a NYSPILLS site. Thirty properties within the search radius are identified as NYSPILLS sites. Of the thirty identified NYSPILLS sites, twenty-nine have been closed by NYSDEC and, as such, appear unlikely to represent an environmental concern to the subject property. The one active NYSPILLS site, MAMM Realty, appears to be located one 1/10th mile to the west and cross gradient of the subject property and, as such, appears unlikely to represent an environmental concern to the subject property.

Although these spills have since been closed by NYSDEC, two adjacent properties are identified as NYSPILL sites. One of these sites is Newcomers High School which is discussed in the PBS portion of this section in which an environmental concern to the subject property was not identified. The other site is Don's Corp, located adjacent

to the east of the subject property where NYSDEC Spill #13-07893 is identified. This spill was reported after heating oil was observed to be leaking from the bottom of a 275-gallon AST in the basement on November 11, 2013. The leaking oil was containerized in a drip-pan and did not impact the concrete floor. The leaking AST was replaced with a new 275-gallon AST and the spill was subsequently closed on November 15, 2013. PWGC does not believe that the potential for residual petroleum impact associated with these sites represents an environmental concern to the subject property.

Voluntary Cleanup Agreements - The NYSDEC Voluntary Cleanup Program (VCP) database identifies brownfield sites undergoing private sector cleanup as part of redevelopment.

A total of six properties within the search radius are identified as VCP sites; however, each of these sites are listed as NYC VCP sites, not NYS VCP sites. Sites that have been investigated under the NYC VCP program, if determined to be a significant threat to human health or the environment because of contamination migrating off-site, are typically transferred to one of the NYS programs. Of the six identified VCP sites, five appear to be located down and/or cross gradient of the subject property and as such, appear unlikely to represent an environmental concern to the subject property. One VCP site, 27-09 40th Avenue, is located 1/8th mile to the north and up gradient of the subject property. No records documenting significant subsurface impact which has potentially migrated off site was identified. Based on the information available in the database report, these sites do not appear to represent an environmental concern to the subject property.

Brownfields - A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant. The NYSDEC Brownfield Cleanup Program (BCP) was established to encourage private-sector cleanups of brownfields and to promote their redevelopment as a means to revitalize economically blighted communities. The NYSDEC Environmental Restoration Program (ERP) is an equivalent to the BCP available to municipal entities.

The subject property is not identified as a NYSDEC BCP/ERP site. Twenty-six properties within the search radius are identified as NYSDEC BCP/ERP sites. Of the twenty-six identified NYSDEC BCP/ERP sites, eighteen appear to be located down and/or cross gradient of the subject property and as such, appear unlikely to represent an environmental concern to the subject property. Five identified NYSDEC BCP/ERP sites appear to be located up gradient of the subject property. The five up gradient BCP/ERP sites are as follows:

- Former Union Wire Die Corp (Identified with two listings in the BCP database): This site is located approximately 1/6th of a mile north of the subject property and has been historically used as a gas station and for wire manufacturing. Prior environmental investigations identified the presence of metals and chlorinated solvent compounds in the soil, groundwater, and soil vapor on site. The chlorinated solvent impact was identified to be migrating from an adjacent former dry cleaner (Fresh Cleaners & Laundry Co). A remedial effort was performed which removed impacted soils and included the installation of an SSDS to mitigate soil vapor intrusion. Based on the information included this database report it does not appear that this sire represents a significant environmental concern to the subject property.
- Fresh Cleaners & Laundry Co: This site is located approximately 1/5th of a mile north of the subject property. This site is discussed in the first bullet point in the SHWS portion of this section and was not identified to represent an environmental concern to the subject property.
- 31/32 LIC LLC (Identified with two listings in the database report): This site is located approximately 1/3rd of a mile north of the subject property. A remedial investigation preformed at this site in 2017 identified VOC and metals contamination in the shallow soil as well as chlorinated solvent impact in soil vapor. The soil vapor impact was significant enough that NYSDEC instructed the owners of this site to conduct an assessment of off site soil vapor impact. As of the date of this report, it does not appear that off site soil vapor assessments have been performed. However, based on the assessment of the Fresh Cleansers and Laundry site which idented that chlorinated solvent impact did not extend south of 40th Road, which is located in between this property and the subject property, it does not appear that impact from the 31/32 LIC LLC site is potentially impacting the subject property as well.
- 37-11 30th Street: This site is located approximately 1/3rd mile north of the subject property. A limited subsurface investigation preformed in 2014 identified the presence of metals impacted soil and soil vapor impacted with chlorinated solvents. Currently this site is under redevelopment, however details of environmental cleanup or mitigation measures were not included in the database report. However, based on the assessment of the Fresh Cleansers and Laundry site which idented that chlorinated solvent impact did not extend south of 40th Road, which is located in between this property and the subject property, it does not appear that impact from the 31/32 LIC LLC site is potentially impacting the subject property as well.
- Silver Star Auto Resources: This site is located approximately ½ mile northeast of the subject property. This site was identified to include VOC contaminated soils as well as chlorinated solvent impacted

groundwater, the latter of which was assessed to be originated from an off site source. Subsequent remedial activities were sufficient to achieve Track 1 statis which demonstrated that Unrestricted Use soil cleanup objectives were achieved and groundwater beneath the site meets NYSDEC's ambient groundwater quality standards. PWGC does not believe that this site represents an environmental concern to the subject property.

Dry Cleaners – The NYSDEC maintains a registry of Registered Dry Cleaner (RDC) sites.

The subject property is identified as a RDC site as Max JDJ Cleaners in 2008. In addition to reviewing the information provided in the EDR report, PWGC reviewed available street view images on Google Maps which shows an awning on the subject property as "Cleaners" in June 2009. Although no spills or violations are identified in conjunction with the site's prior use as a dry cleaner, dry cleaners are commonly associated with the use of chlorinated solvents which can impact the subsurface is handled improperly. PWGC cannot rule out the subject property's former use as a dry cleaner as an environmental concern.

Five properties within the search radius are identified as RDC sites. Of the five identified RDC sites, two, Queensboro Cleaners and CK1 Procleaners, appear to be located cross gradient of the subject property and as such, appear unlikely to represent an environmental concern to the subject property. Three identified RDC sites, World Class Garment Care, Citywide Cleaners, and Queens Boro Cleaners, appear to be located up gradient of the subject property. Citywide Cleaners and Queens Boro Cleaners appear to be the same facility as Fresh Cleaners and Laundry which is discussed in the SHWS portion of this section where it is ruled out as a potential environmental concern to the subject property. World Class Garment Care is discussed in the VCP portion of this section where it was determined to not represent a significant environmental concern to the subject property based on the lack of documented subsurface impact.

NYC E-Designation Sites – An E-Designation is a NYC zoning map designation that indicates the presence of an environmental requirement pertaining to potential Hazardous Materials Contamination, Window/Wall Noise Attenuation, or Air Quality impacts on a particular tax lot. E-Designations are established on the Zoning Map by the Department of City Planning (DCP) and City Council as a part of a zoning action.

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The subject property is listed as an E-DES site (E-104) for Hazardous Materials (Hazmat). Based on review of the City Environmental Quality Review (CEQR: #00DCP055Q) document associated with the subject property's E-Designation will require the following:

- The Hazmat E-Designation requires an environmental review be performed prior to redevelopment or renovation of the subject property. The environmental review requirements typically include submission to the NYC Office of Environmental Remediation (NYCOER) of a Phase I ESA, an extensive Phase II ESA that evaluates soil, groundwater, and soil vapor/indoor air quality, a Remedial Action Plan (RAP) to address impact identified during the Phase II ESA, and a Completion Report documenting that the RAP was properly implemented.

6.1.3 EDR Databases

The table below summarizes the EDR databases that were searched.

Table 6-3 - Additional Databases Searched

Agency	Listing Name or database Searched	Abbreviation	Search Distance	Target Property Identified	Nearby Properties Identified
EDR	Manufactured Gas Plants	MGP	1.0 mile	No	0
EDR	Historical Drycleaners	HDC	0.25 mile	Yes	1
EDR	Historical Auto Station	HAS	0.125 mile	Yes	1

Review of the EDR Radius Map Report indicates that the subject property is listed in EDR proprietary databases searched. The subject property and nearby properties identified within the EDR proprietary database search radii are detailed below.

EDR Historical Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

The subject property is identified as a HCD site named Max Cleaners Inc in 2007. The subject property's historical use as a dry cleaner is discussed in the dry cleaner portion of section 6.1.2 where it is identified as a potential environmental concern.

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One property within the search radius, Midnight Express Cleaners, is identified as HDC sites. This site appears to be located cross gradient of the subject property and as such, appears unlikely to represent an environmental concern to the subject property.

EDR US Historical Auto Stations – EDR has searched national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers.

The subject property is identified as a HDC site named Anco Transmissions Corp and Redline Auto Repair from 1991 to 2004. Auto repair facilities commonly used oils and grease for site operations and typically utilize ASTs for motor oil, antifreeze, and waste oil. These substances may have impacted the subsurface if poor housekeeping practices or unreported spills have occurred at the site. PWGC believes that the subject property's historical use for auto repair represents an environmental concern.

One property within the search radius, Gaseteria Oil Corp, is identified as a HAS site. This site appears to be located down gradient of the subject property and as such, appears unlikely to represent an environmental concern to the subject property.

6.2 Orphan Sites

Orphan sites are properties, that due to an inadequate or incomplete address in government databases or in base map files, are not able to be geographically located (i.e. mapped or geocoded). This can occur for several reasons: no street number or street name in address given, the street address is given only as a P.O. Box, or when inconsistencies exist in the address (street number does not exist in the city / zip code given).

Eleven orphan sites were identified in the EDR report. PWGC performed a cursory review of the addresses listed. It does not appear that the subject property or neighboring properties are identified in the orphan summary.

6.3 Vapor Encroachment

PWGC performed a Tier 1 Vapor Encroachment Screening for the subject property in accordance with ASTM E2600-15, Vapor Encroachment Screening on Property Involved in Real Estate Transactions. In accordance with ASTM E2600-15, the default Area of Concern (AOC), adjusted to account for the groundwater flow direction in the vicinity of the subject property, is defined as follows:

Direction Relative to Subject Property	Petroleum Impacted Sites AOC Radius	Contaminants of Concern Impacted Sites AOC Radius
Up Gradient	300 feet	900 feet
Cross Gradient	165 feet (LNAPL) 200 feet (dissolved)	200 feet
Down Gradient	100 feet (LNAPL) 30 feet (dissolved)	100 feet

PWGC evaluated sites identified in Federal and State databases (see Section 6.1) located within the adjusted AOC radii for the potential for petroleum impact and or contaminants of concern (such as perc) to be present. The following sites, along with the subject property, were identified within the adjusted AOC:

- Dry cleaner (subject property)

The subject property was evaluated for the potential for a vapor encroachment condition (VEC) to be present. Based on the information discussed in section 6.1.2 regarding the subject properties historical use for dry cleaning, PWGS cannot rule out the potential for a VEC to be present.

A copy of the Tier 1 Vapor Encroachment Screening is included as **Appendix H**.

6.4 Additional Environmental Record Sources

6.4.1 Freedom of Information Act Requests

Freedom of Information Act (FOIA) requests were sent to the United States Environmental Protection Agency, Region 2 (USEPA), the New York State Department of Environmental Conservation, Region 2 (NYSDEC), the Fire Department of New York (FDNY), the New York City Department of Environmental Protection (NYCDEP), and the New York City Department of Health and Mental Hygiene (NYCDOH/MH). Copies of FOIA requests are included in **Appendix I**.

As of the date of this report, responses to FOIA requests have not been received, other than the USEPA filing which did not identify environmental issues at the subject property. As responses were not provided within the allotted due diligence period, the records were deemed not to be “reasonably ascertainable” at this time. Should records become available at a later date, pertinent information will be forwarded as an addendum upon receipt.

6.4.2 Publicly Available Online Information

Information regarding the subject property available on the commercial real estate website www.propertyshark.com (an aggregator of publicly available real estate information) was reviewed to identify pertinent information. No indication of environmental issues was identified.

Review of Google street view images provided in Google Maps included an image from 2009 that shows the site being used for dry cleaning.

A review of the NYSDEC DECInfo Locator website did not reveal environmental issues at the subject property or nearby properties.

A review of New York City Department of Buildings (NYCDOB) filings, permits, and certificates of occupancy identified a permit to operate a wholesale laundry facility and to install two oil storage tanks in 2007. The site's use as laundry facility is identified in the dry cleaner portion of section 6.1.2. The installation of oil tanks at the site could not be confirmed. A certificate of occupancy dated December 21, 1971 indicated the use of the building involved machine tools including metal lathes, metal presses, metal stamping machines for metal finishing, plating, polishing, grinding, sharpening, cleaning, rustproofing, heat treating, or similar processes. These processes may have potentially impacted the subsurface with metals, oils, and chlorinated solvents. Such operations can not be ruled out as an environmental concern along with the property's historical use for auto repair and dry cleaning.

Copies of publicly available information are included in **Appendix I**.

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7.0 SITE RECONNAISSANCE

7.1 Methodology and Limiting Conditions

Mr. Ryan Morley of PWGC performed site reconnaissance on Monday, March 29, 2021. Weather conditions during the inspection were clear with a temperature of approximately 38° Fahrenheit.

The site reconnaissance consisted of an inspection of the interior portions of the existing building, followed by inspection of the exterior portions of the property, which only consisted of the sidewalk in front of the building. A Site Inspection Checklist is included as **Appendix J**.

7.2 Aboveground Storage Tanks (AST)

PWGC did not identify ASTs at the subject property.

7.3 Underground Storage Tanks (UST)

PWGC identified a three-inch diameter metal rimmed object filled with soil on the sidewalk adjacent to the northwestern corner of the building. The size and location of this object is possibly indicative of a former fill port for an out-of-use heating oil UST, or other subgrade utility such as a water meter or electric meter.

7.4 Hazardous and Non-Hazardous Chemical Storage

PWGC did not identify chemical storage at the subject property.

7.5 Waste Generation, Storage, and Disposal

PWGC did not identify evidence of waste generation, storage or disposal at the subject property.

7.6 Polychlorinated Biphenyls (PCBs)

PWGC did not identify potentially PCB containing equipment such as electrical transformers or hydraulic lifts at the subject property.

7.7 Additional Site Conditions

The following is a summary of visual and/or physical observations made by PWGC at the time of site reconnaissance. Photographs of pertinent observations are included in **Appendix A**.

Table 7-1 - Additional Site Conditions

Condition	Identified
Interior drains, trenches or sumps.	No
Interior stains or corrosion	No

Condition	Identified
Unusual odors	No
Interior pools of liquid	No
Stained Soils or Pavement	No
Stressed Vegetation	No
Indications of solid waste disposal	No
Exterior ponds, pits, or lagoons	No
Wastewater discharge/disposal	No
Storm water discharge/disposal	No
Oil water separators/clarifiers	No
Septic Systems/Cesspools	No
Wells (Drinking water, monitoring wells, agricultural/ irrigation wells, or process water wells)	No
Petroleum or natural gas pipelines or easements	No
Other	No

7.8 Neighboring Properties

PWGC performed a cursory inspection of the neighboring properties from the subject property and public right of ways. The neighboring properties are used for residential and commercial purposes as well as for public education.

Potential environmental concerns were not observed at neighboring properties.

8.0 INTERVIEWS

8.1 Current Owner/Occupant

PWGC interviewed Mr. Ari Zubli of Hope Enterprise Inc of New York, the current property owner. Mr. Zubli did not have knowledge of environmental issues at the subject property. Mr. Zubli stated that the site has historically been used for auto repair, printing, and for food storage.

8.2 Previous Environmental Reports

PWGC was provided with a copy of a Phase I ESA Summery letter prepared by Merritt Environmental Consulting Group (Merritt) regarding a Phase I ESA prepared in September 2017 for the subject property. This summery included one REC which identified the subject property's historical use as an environmental concern.

8.3 Local Government Officials

Freedom of Information Act (FOIA) requests were sent to the United States Environmental Protection Agency, Region 2 (USEPA), the New York State Department of Environmental Conservation, Region 2 (NYSDEC), the Fire Department of New York (FDNY), the New York City Department of Environmental Protection (NYCDEP), and the New York City Department of Health and Mental Hygiene (NYCDOH/MH).

Based upon the subject property history, interviews with government officials to obtain additional information are not warranted at this time.

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9.0 CONDITIONS OUTSIDE THE SCOPE OF ASTM 1527-13

9.1 Wetland Delineation

Based on review of the EDR Radius Map Report, which includes State and Federal wetlands, it appears that State and/or Federal wetlands are not present on the subject property. Based on review of the NYSDEC Environmental Resources Mapper, the subject property does not appear to be located within a wetlands checkzone.

Based on review of the EDR Radius Map Report, it appears that the nearest State or Federal wetland is The East River, located approximately 3/4th mile to the west of the subject property.

9.2 Radon Risk Evaluation

Radon is a colorless, radioactive, inert gas formed by the decay of radium and may be present in soils and rocks containing granite, shale, phosphate, and pitchblende. The USEPA's "Map of Radon Zones for New York State," September 1993 indicates that Queens County is not a radon risk area. The EDR report provides information from the New York State Department of Health radon survey which indicates that the average result for sites tested in Queens County is 0.620 Pico curies per liter (pCi/L) in the living area, which is less than the USEPA radon action level of 4 pCi/L, and 97% of sites tested in Queens County were less than the action level of 4 pCi/L in the living area.

9.3 Asbestos

PWGC performed a cursory visual inspection of the building during site reconnaissance for potential asbestos containing material (ACM) and did not identify obvious potential ACM, other than an area of floor tiles in the center of the building. However, regardless of the age of the building, ACM may be present in building products such as drywall, acoustic ceiling tiles, plaster, joint compound, roofing materials, waterproofing material, caulk, grout, flooring, mastics, thermal systems, and pipe wrap. A detailed asbestos survey should be performed by a qualified asbestos inspector in accordance with applicable federal, state, and local regulations prior to renovation or demolition of the building(s); please note that the asbestos inspection performed as part of this Phase I ESA does not meet that criteria.

9.4 Lead-Based Paint (LBP)

PWGC did not identify evidence of potential lead-based paint at the subject property. Based on the apparent age of the building, it is possible that lead based paint is present.

9.5 Mold

PWGC did not visually observe significant sources of mold at the subject property during site reconnaissance.

9.6 Historic Fill

Given the location of the subject property within the five boroughs of New York City, there is a potential for historic fill material to be present beneath the subject property. Such material, if excavated (for the purpose of constructing a building, installing new footings, and/or utilities), will require special handling and disposal.

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10.0 FINDINGS AND OPINIONS

Based upon reconnaissance of the subject and surrounding properties, interviews, and review of historical records and regulatory agency databases, the following potential RECs have been identified:

Onsite

- Historical site use for metal works, auto repair and dry cleaning.
- Potential presence of out-of-use UST.
- Site is identified with an E-Designation for hazardous materials.

Potential RECs identified at the subject property were evaluated to determine whether items initially suspected to be RECs are in fact RECs. Evaluation of potential RECs are as follows:

- According to provided historical documents and reasonably ascertainable information, the site has historically been used for metal works, dry cleaning, and auto repair. Such activities commonly use petroleum product and chlorinated solvents as part of their routine operations. Improper storage and handling of such materials can potentially impact the subsurface. PWGC believes the site's history for metal works, dry cleaning, and auto repair is a REC.
- During the site reconnaissance, PWGC identified a metal-rimmed object approximately three inches in diameter in the sidewalk adjacent to the northwest corner of the building indicative of a possible former fill port for a UST. PWGC did not identify an AST or UST within the property and the site is currently connected to natural gas; however, this metal rimmed object can potentially be associated with a UST under the sidewalk which was used for storing heating oil prior to the site's conversion to natural gas heat. Improperly abandoned USTs are prone to corrosion and leaks which can go unchecked and impact the subsurface. PWGC believes the potential presence of a UST beneath the sidewalk in front of the building on site is a REC.
- The subject property is identified as an E-Designation site (E-104) according to publicly available information. The subject property is designated for Hazardous Materials with Phase I and Phase II testing protocol required. Based on this potential PWGC believes that this represents a REC for the subject property.

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11.0 CONCLUSIONS AND RECOMMENDATIONS

PWGC has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-13 for the subject property. There were no exceptions to, or deletions from, this practice except as noted in Section 12.0 of this report. PWGC evaluated the findings associated with the subject property and identified three RECs with respect to the subject property.

Based on the identified RECs, PWGC recommends a Phase II ESA be performed at the subject property. The Phase II ESA should include:

- Geophysical survey focusing on the potential UST area.
- Subsurface investigation including soil, groundwater, and soil vapor sampling.

Although not a part of the ASTM E1527-13 scope, the following additional concerns associated with the subject property must be considered:

- Based on inspection of the subject property, it is possible that ACM and/or lead-based paint are present within the structure. PWGC recommends that, prior to demolition or renovation of the building, a detailed asbestos and/or lead based paint survey should be performed by a qualified asbestos/lead inspector in accordance with applicable federal, state, and local regulations prior to renovation or demolition of the building; please note that the asbestos/lead inspection performed as part of this Phase I ESA does not meet that criteria.
- Given the location of the subject property within the five boroughs of New York City, there is a potential for historic fill material to be present beneath the subject property. Such material, if excavated (for the purpose of constructing a building, installing new footings, and/or utilities), will require special handling and disposal.

12.0 DEVIATIONS

This Phase I ESA was conducted in accordance with the scope and limitations of the ASTM Standard E 1527-13 (Standard Practices for Environmental Site Assessment: Phase I Environmental Site Assessment Process) and 40 CFR Part 312 (Standards and Practices for All Appropriate Inquiry; Final Rule). Excluding data gaps identified in Section 2.8 and additional services outlined in Section 9.0, there were no deviations or deletions from this practice.

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
LONG ISLAND • MANHATTAN • SARATOGA SPRINGS • SYRACUSE • SEATTLE • SHELTON

13.0 REFERENCES

All Appropriate Inquiry, Final Rule, 40 CFR Part 312.

Standard practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Standard E 1527-13.

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14.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.



Ryan Morley, PG
Project Manager



Jennifer Lewis, PG
Senior Project Manager

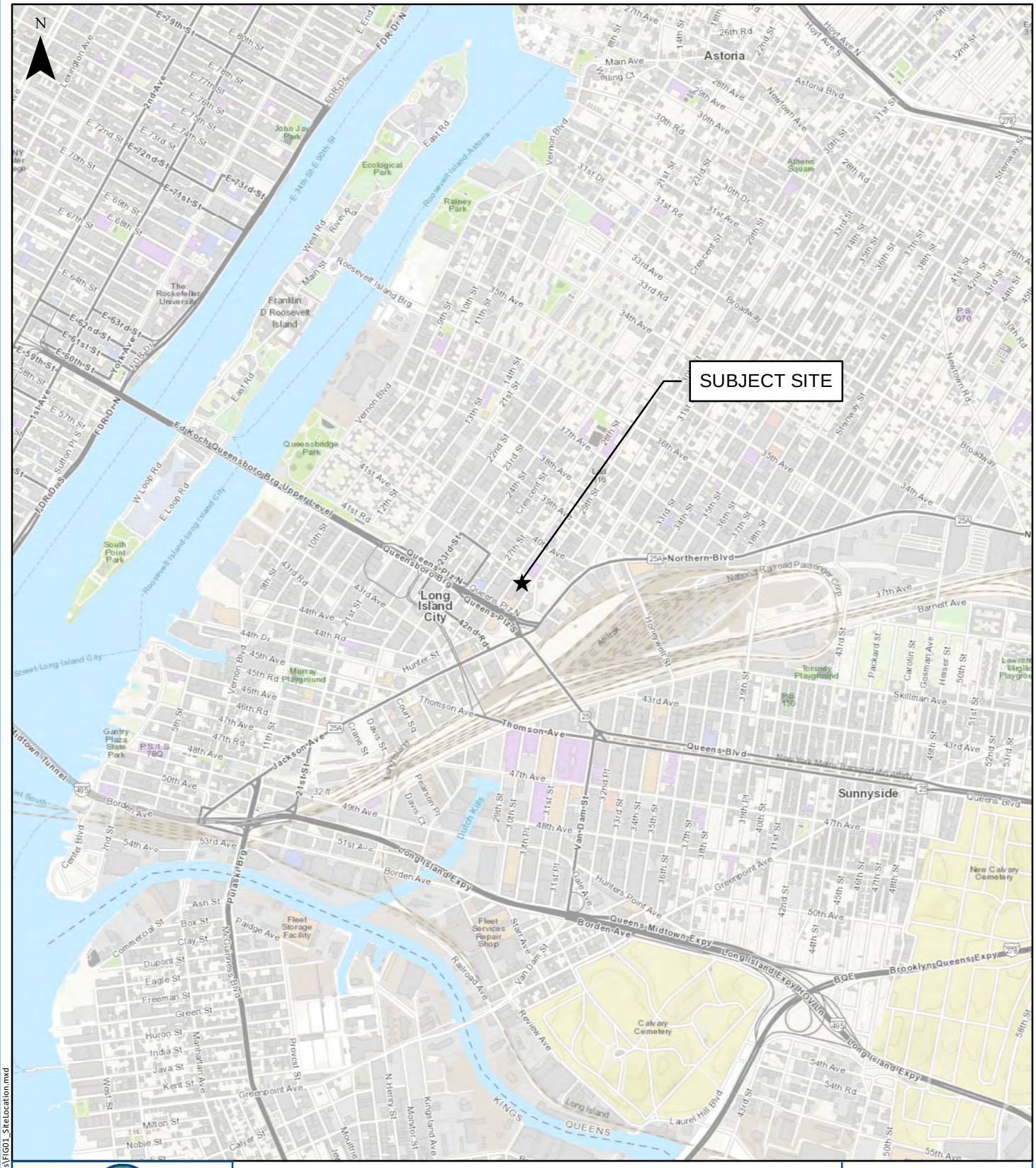
Qualifications of the Environmental Professionals are included in **Appendix K.**

Report Completion Date: April 9, 2021

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PWGC
CLIENT DRIVEN SOLUTIONS

FIGURES



SITE LOCATION

28-12 41st Avenue
Long Island CIty, NY

Miles
0 ¼ ½ ¾ 1

PWGC
CLIENT DRIVEN SOLUTIONS
P.W. Grosser Consulting, Inc.
630 Johnson Ave., Suite 7
Bohemia, NY 11716
Ph: 631-589-6353 • Fax: 631-589-8705
pwgc.info@pwgrosser.com

Project:	ICF2101
Date:	4/8/2021
Designed by:	RM
Drawn by:	UC
Approved by:	RM
Figure No:	1

Document Path: W:\Projects\E-L\ICF\2101\Map files\FIG01_SiteLocation.mxd



Document Path: W:\Projects\E-L\ICF\2101\Map files\FIG02_Siteplan.mxd

PWGC
CLIENT DRIVEN SOLUTIONS
P.W. Grosser Consulting Engineer & Hydrogeologist, PC
630 Johnson Ave., Suite 7
Bohemia, NY 11716
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REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	ICF2101	Designed by:	RM
Date:	4/8/2021	Drawn by:	PH
Scale:	AS SHOWN	Approved by:	RM

SITE PLAN

28-12 41st Avenue
Long Island City, NY

FIGURE NO:

2

APPENDIX A
SITE PHOTOGRAPHS



1 : Adjacent property to the west with exterior wall of the subject property.



2 : Sidewalk in front of building where possible fill port is located.



3 : Potential former fill port.



4 : Front of subject property.



5 : School located to the north of the property.



6 : Properties to the east of the subject property.

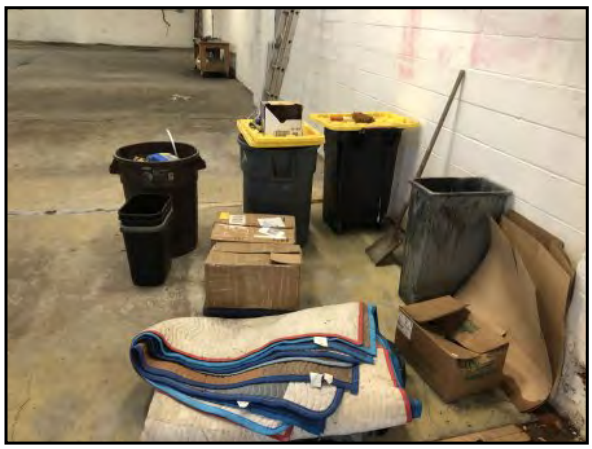


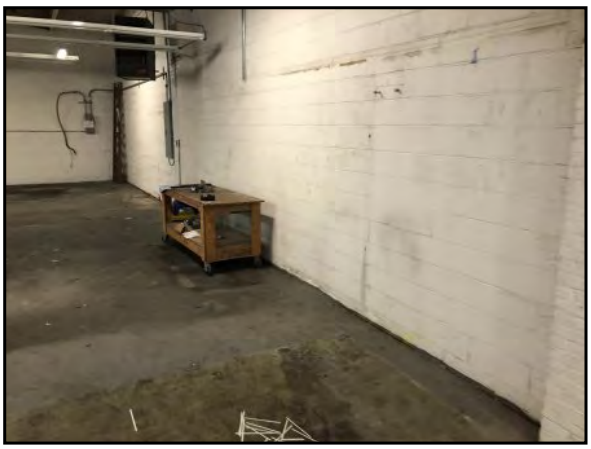
7 : Properties to the west of the subject property.


8 : Electrical equipment.


9 : Natural gas meter.

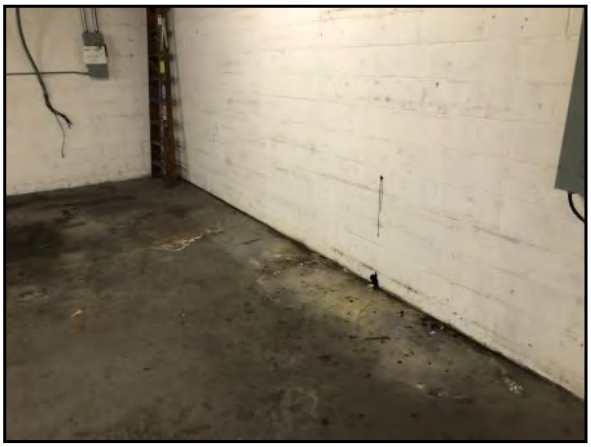

10 : Roof drain pipe.


11 : western portion of site.


12 : Western portion of site.



13 : Heating unit.



14 : South west corner of site.



15 : Interior wall.



16 : Western portion of site.



17 : Interior of property.



18 : Eastern interior of building.



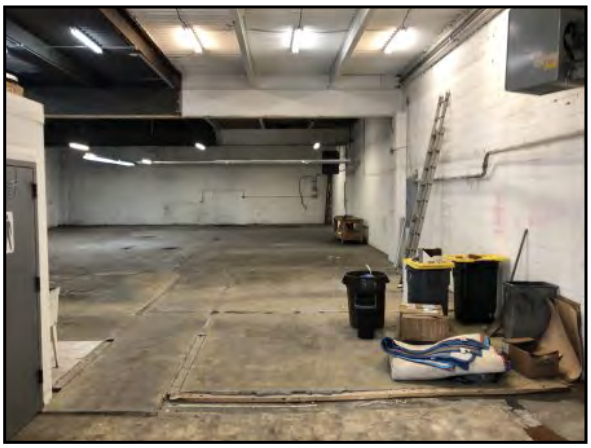
19 : Garage door interior.



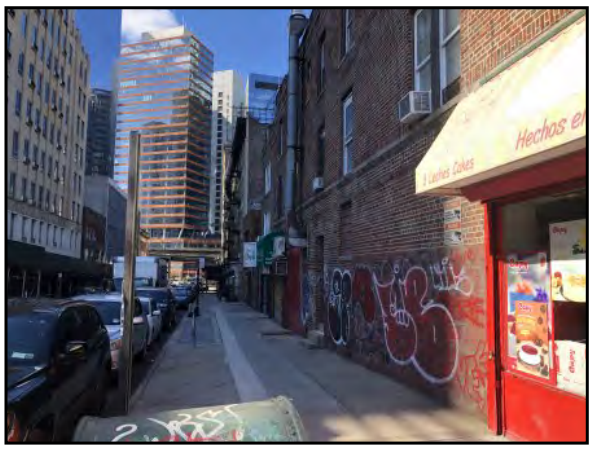
20 : Interior of site.



21 : Interior of site.



22 : Interior of site.



23 : Properties to the south.

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APPENDIX B
SANBORN MAPS

ICF2101

2812 41st Avenue

Long Island City, NY 11101

Inquiry Number: 6422752.3

March 26, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

03/26/21

Site Name:

ICF2101
2812 41st Avenue
Long Island City, NY 11101
EDR Inquiry # 6422752.3

Client Name:

P.W. Grosser Consulting
630 Johnson Ave
Bohemia, NY 11550
Contact: Ryan Morley

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Certification # EC32-4A14-8BE3

PO # ICF2101

Project ICF2101

Maps Provided:

2006	1995	1986	1936
2005	1994	1985	1915
2004	1993	1980	1898
2003	1992	1979	
2002	1991	1977	
2001	1990	1970	
1999	1989	1950	
1996	1988	1947	



Sanborn® Library search results

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- ☑ Library of Congress
- ☑ University Publications of America
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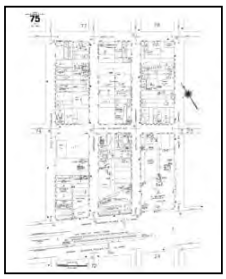


Volume 1, Sheet 23
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Volume 1, Sheet 75
2006

2005 Source Sheets



Volume 1, Sheet 75
2005

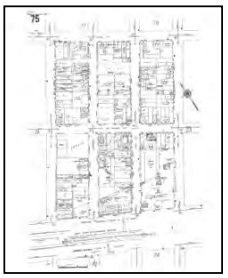


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2004 Source Sheets



Volume 1, Sheet 23
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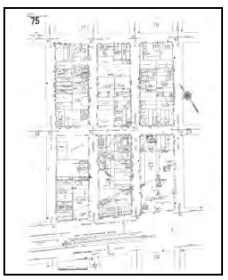


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Volume 1, Sheet 75
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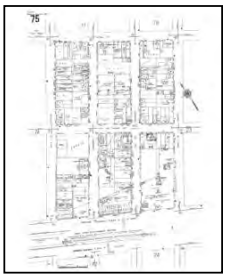
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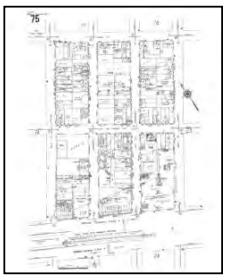


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Volume 1, Sheet 23
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Volume 1, Sheet 75
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1999 Source Sheets



Volume 1, Sheet 23
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1996 Source Sheets



Volume 1, Sheet 23
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Volume 1, Sheet 75
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Volume 1, Sheet 23
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Volume 1, Sheet 55
1995



Volume 1, Sheet 75
1995

1994 Source Sheets



Volume 1, Sheet 23
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Volume 1, Sheet 75
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1993 Source Sheets



Volume 1, Sheet 23
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Volume 1, Sheet 75
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Volume 1, Sheet 75
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Volume 1, Sheet 23
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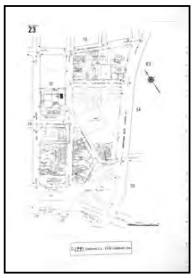
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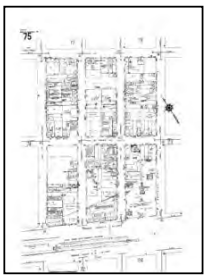


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Volume 1, Sheet 23
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Volume 1, Sheet 75
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Volume 1, Sheet 23
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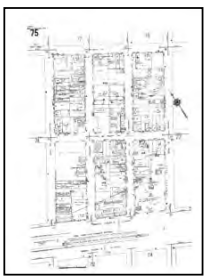


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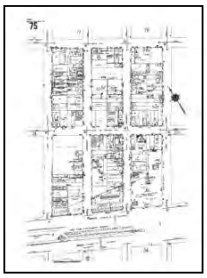
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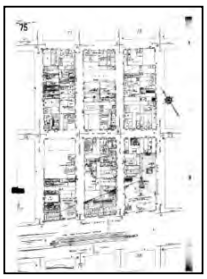


Volume 1, Sheet 75
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Volume 1, Sheet 23
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Volume 1, Sheet 75
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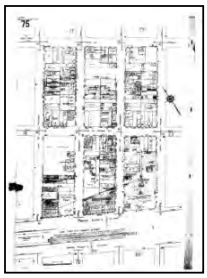


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Volume 1, Sheet 75
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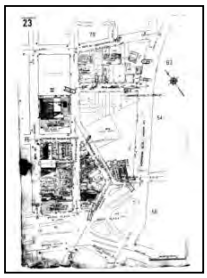


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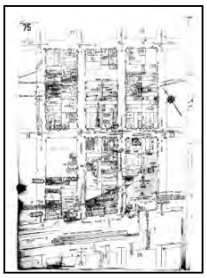
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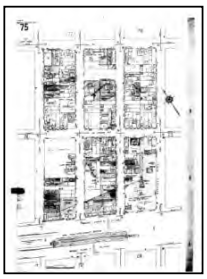


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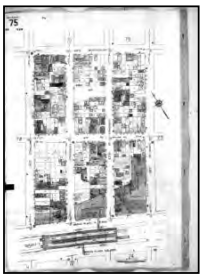


Volume 1, Sheet 75
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1950 Source Sheets



Volume 1, Sheet 23
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Volume 1, Sheet 75
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1947 Source Sheets



Volume 1, Sheet 23
1947



Volume 1, Sheet 75
1947

Sanborn Sheet Key

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1936

1915 Source Sheets



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1915



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1915

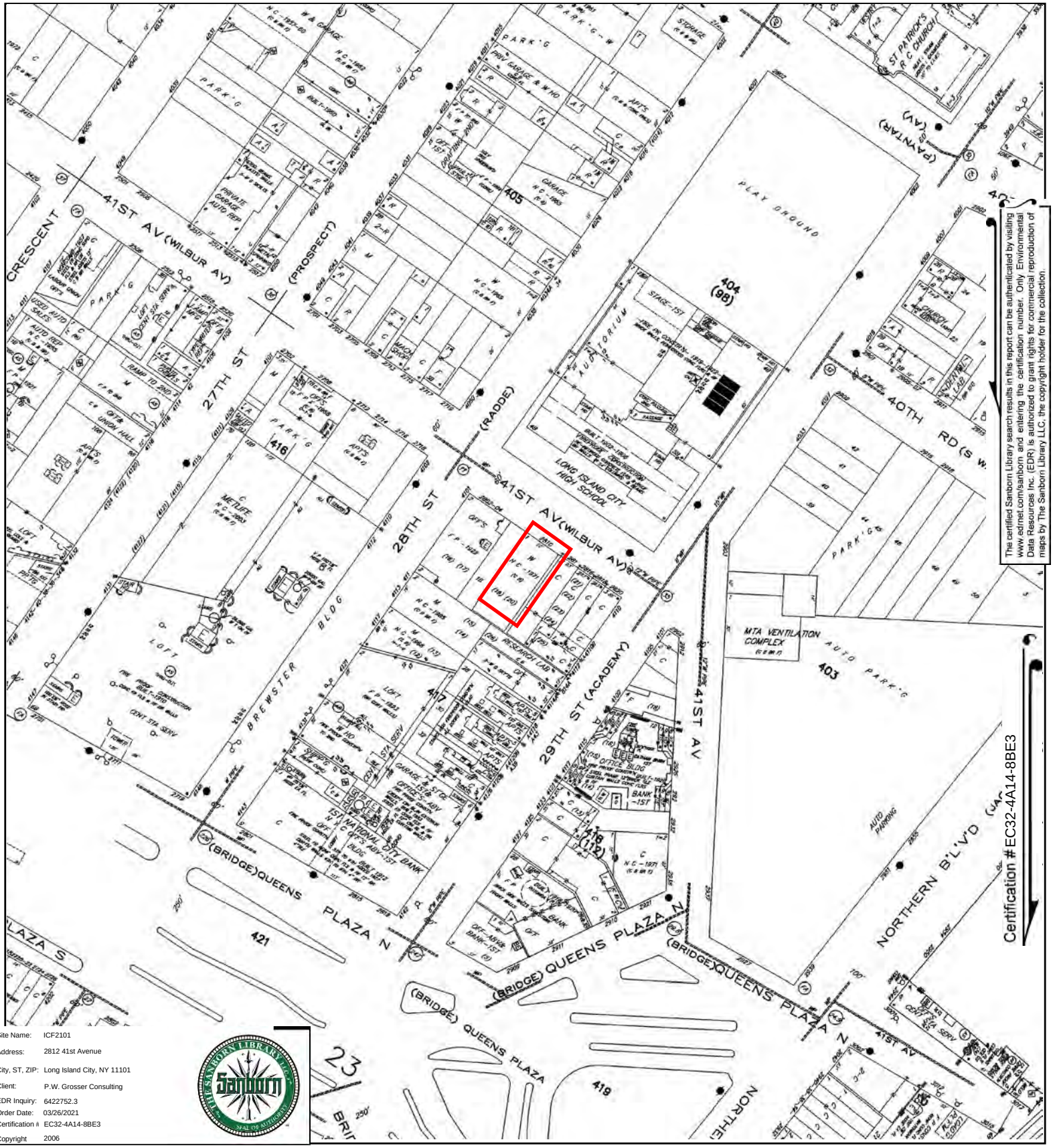
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1898



Volume 1, Sheet 23
1898

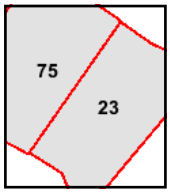


Site Name: ICF2101
Address: 2812 41st Avenue
City, ST, ZIP: Long Island City, NY 11101
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EDR Inquiry: 6422752.3
Order Date: 03/26/2021
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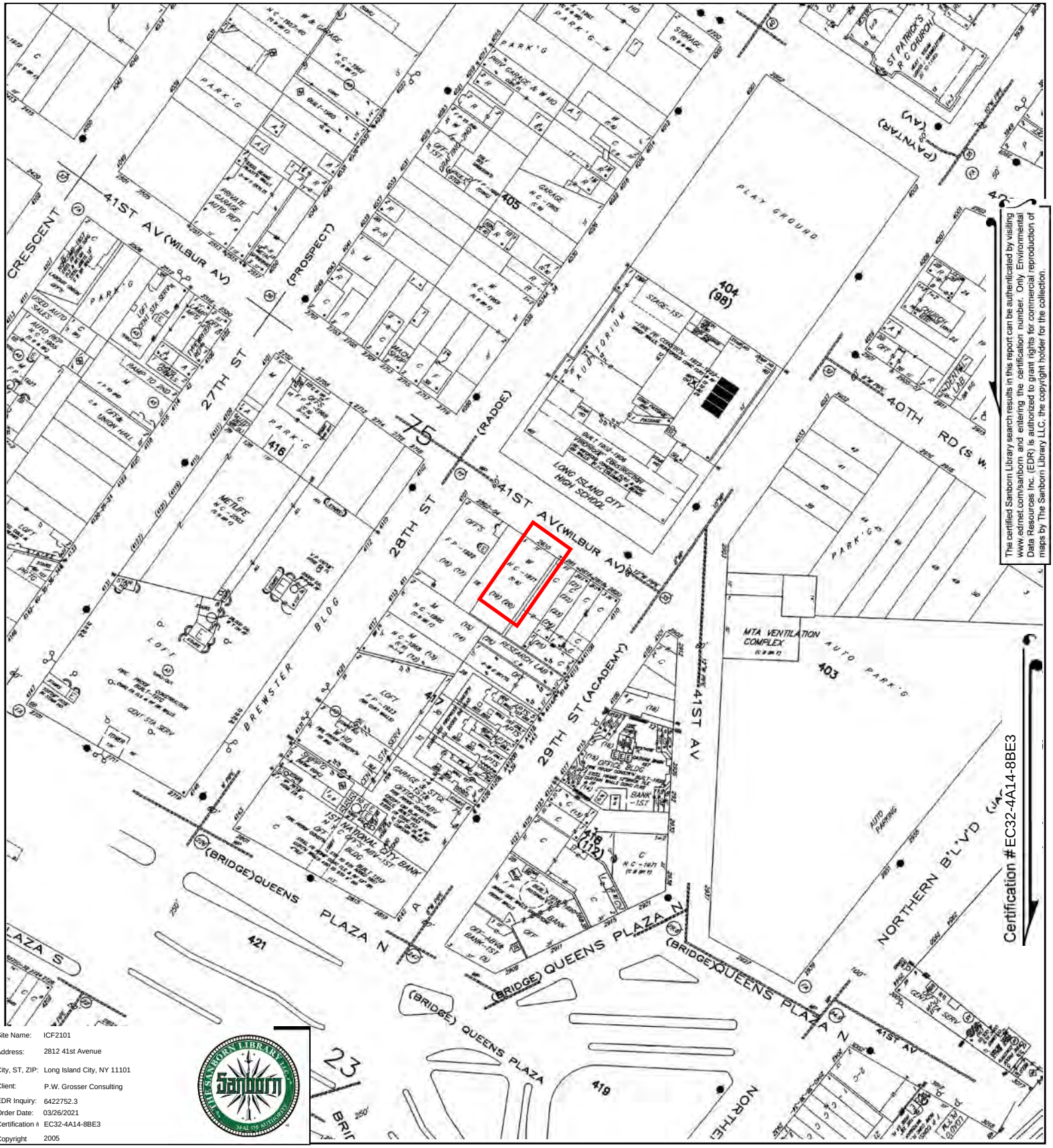
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Volume 1, Sheet 75
Volume 1, Sheet 23

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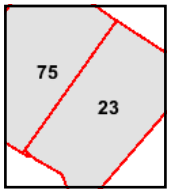
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City, ST, ZIP:	Long Island City, NY 11101
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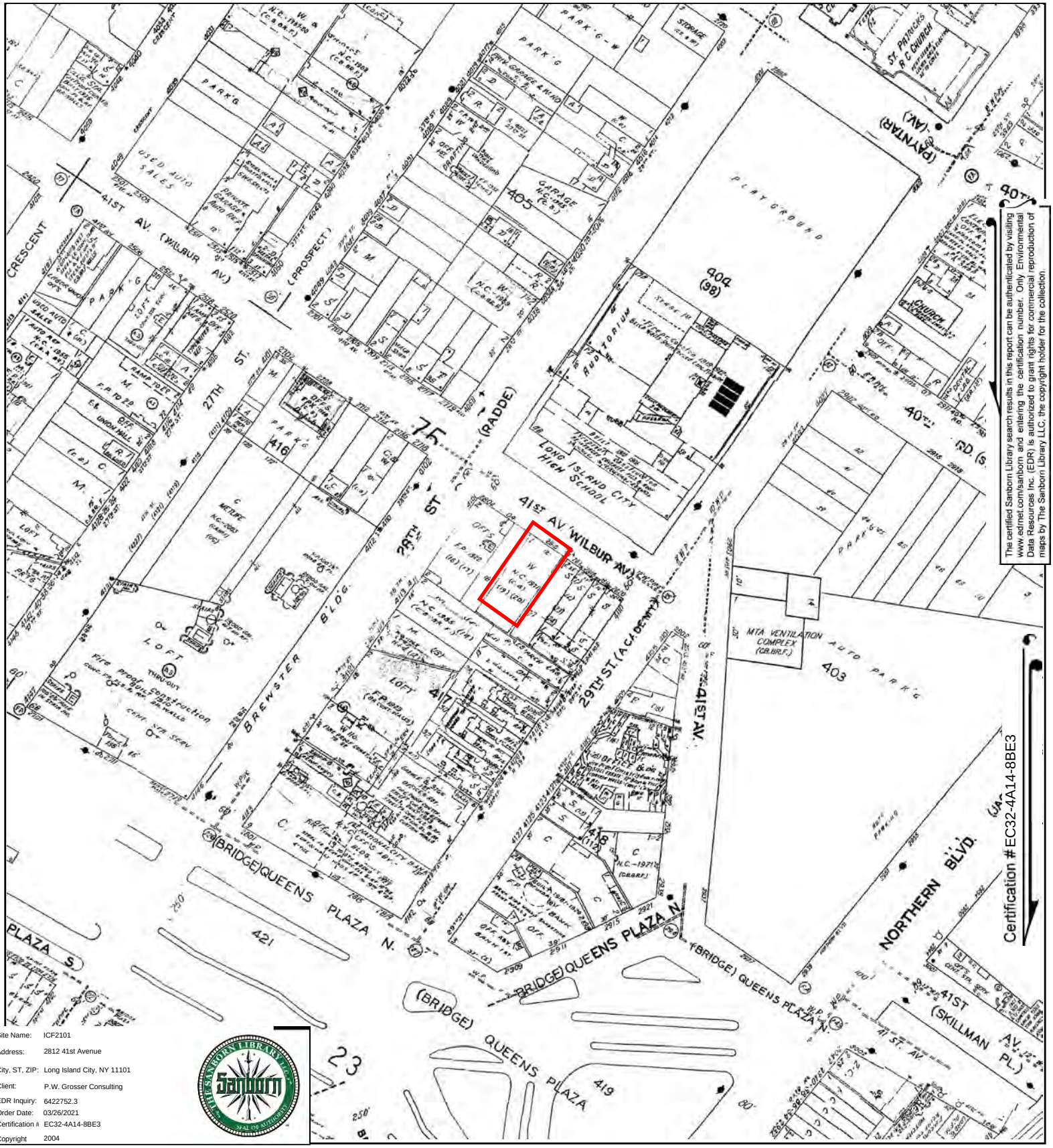




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Volume 1, Sheet 75

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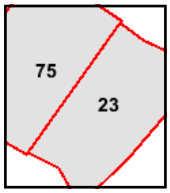
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Address:	2812 41st Avenue
City, ST, ZIP:	Long Island City, NY 11101
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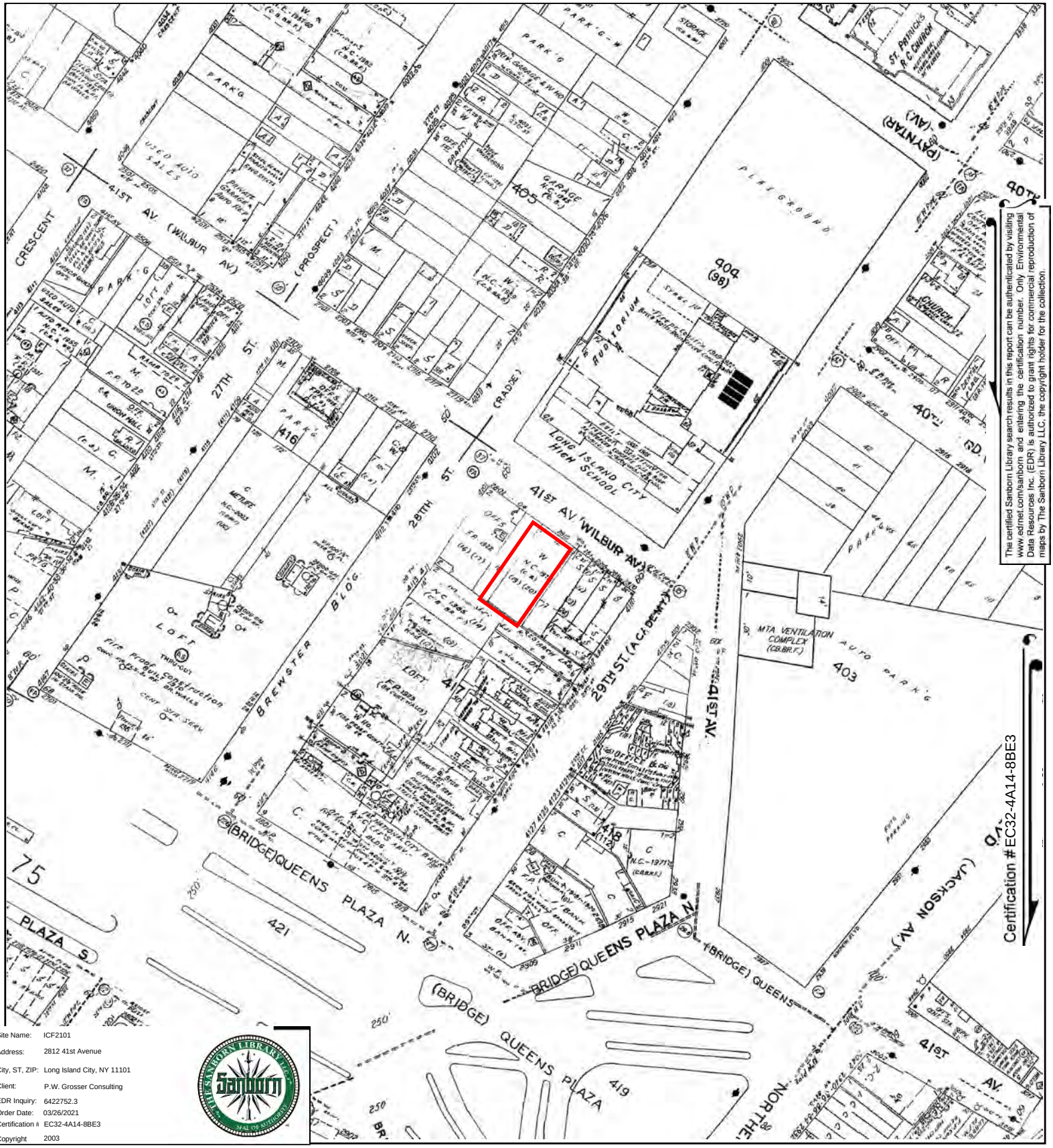
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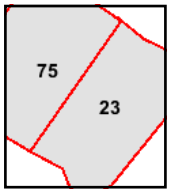
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Copyright	2003

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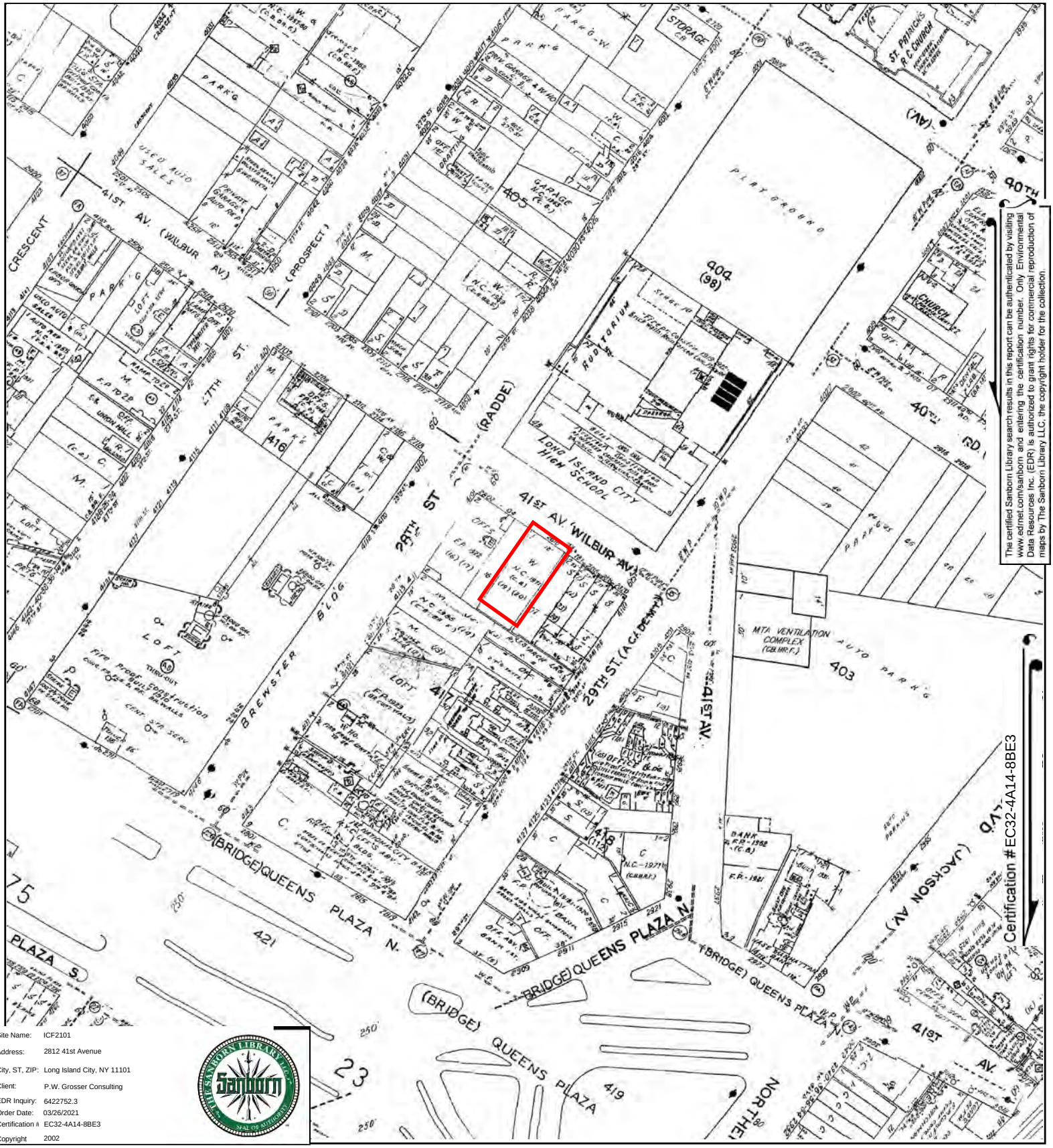
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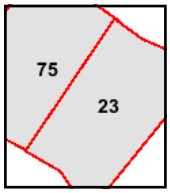
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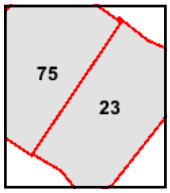


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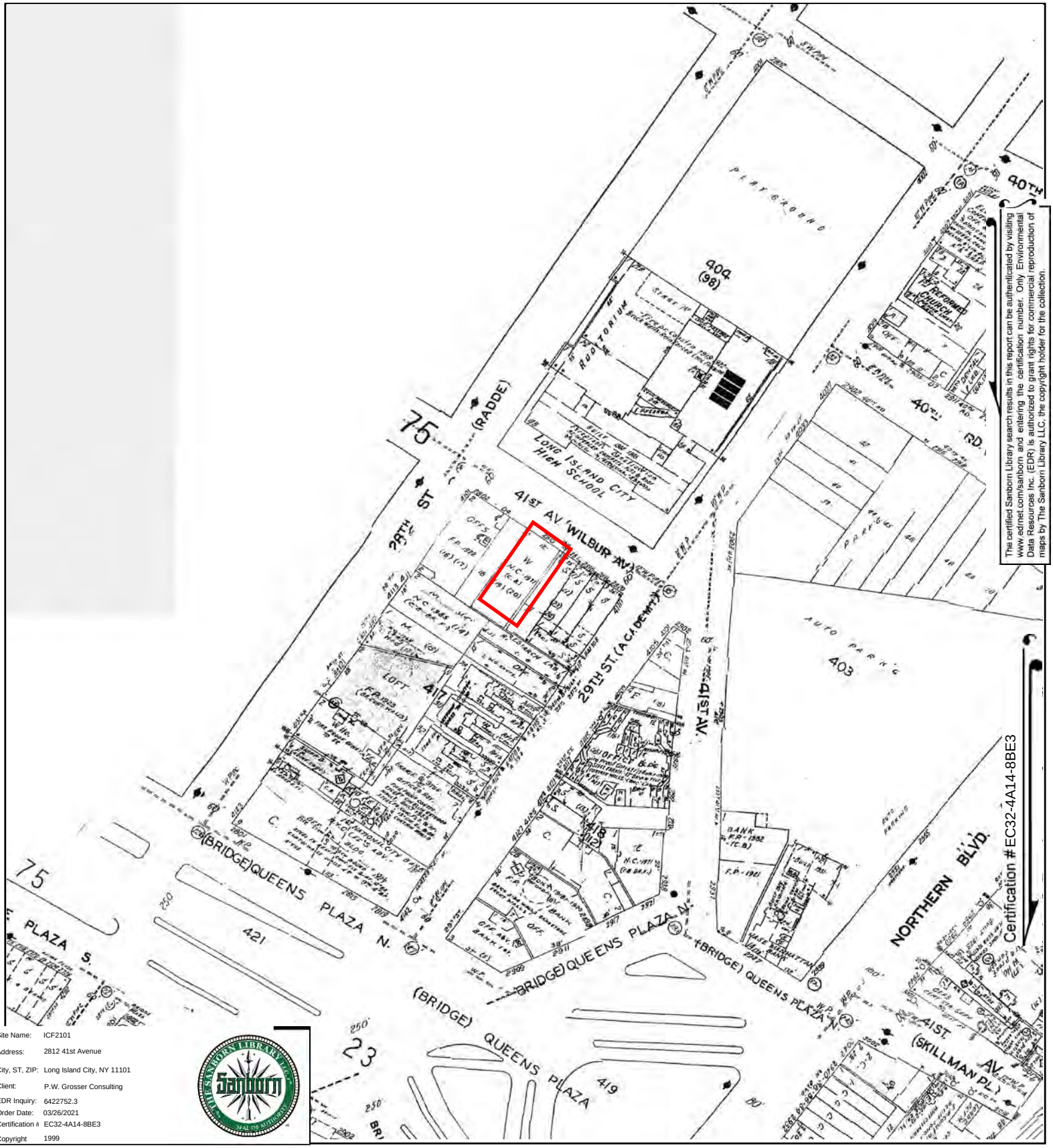




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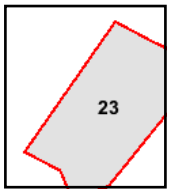
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Copyright	1999

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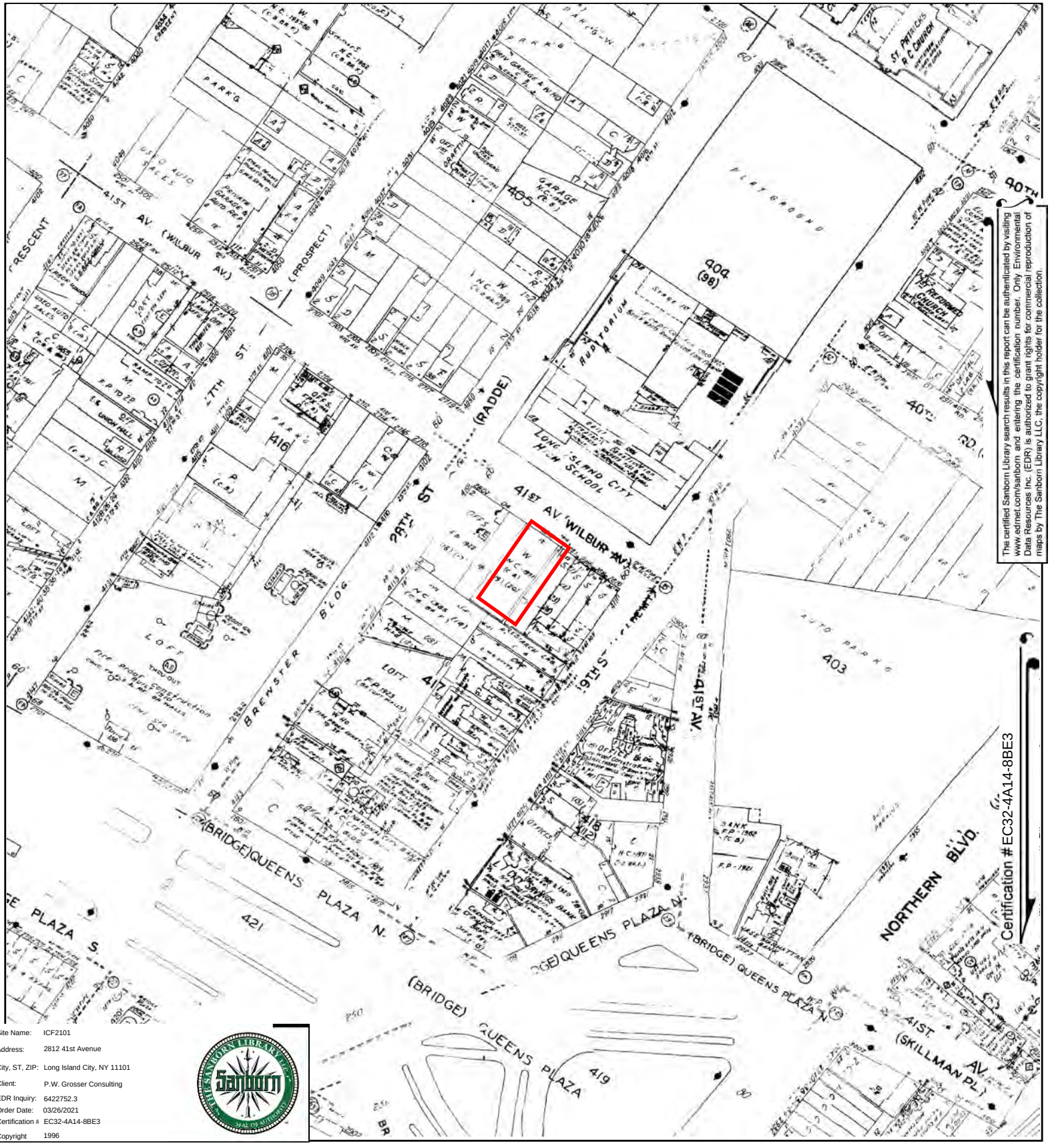
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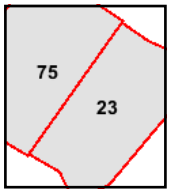
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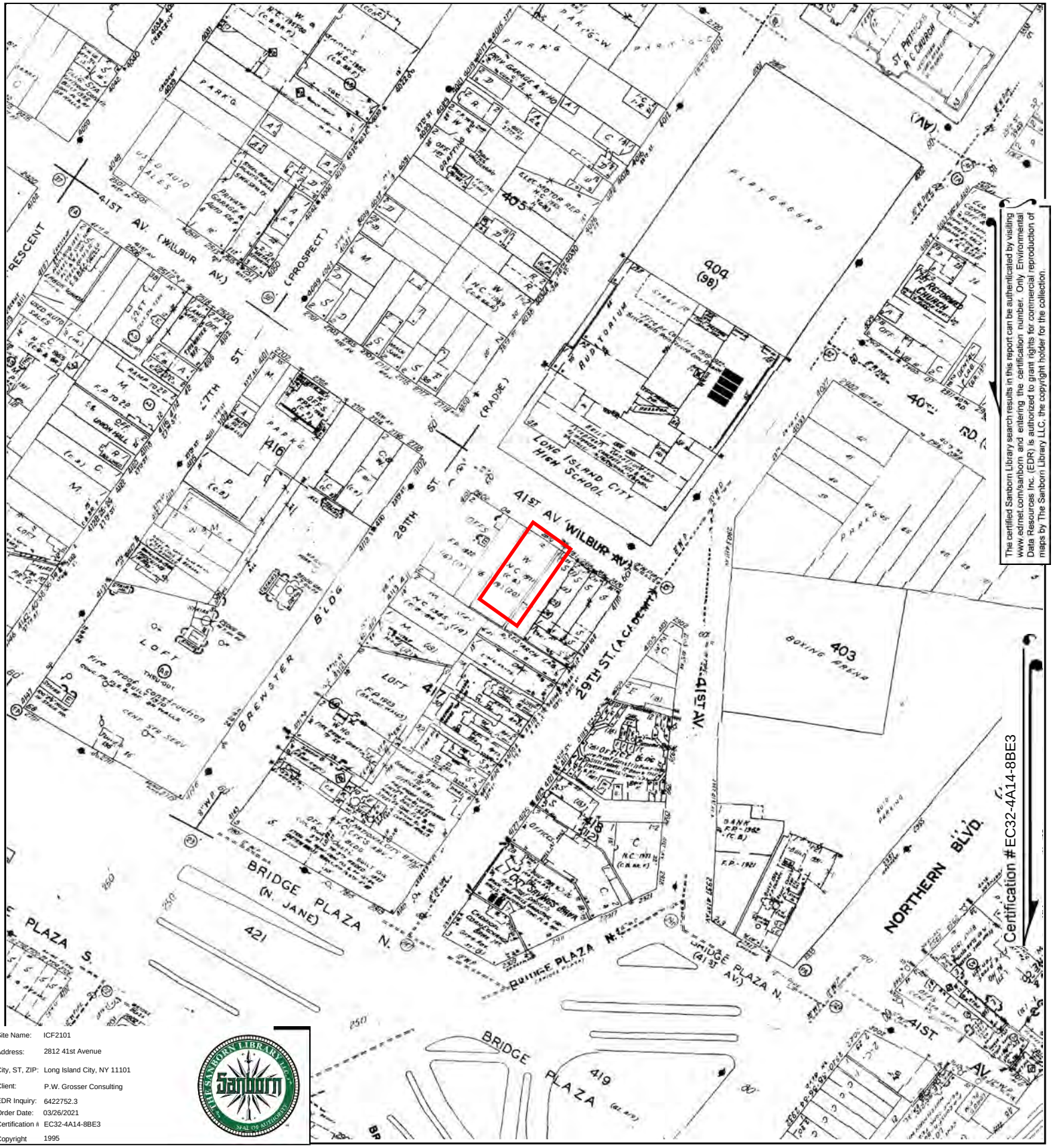
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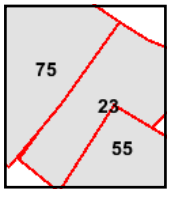
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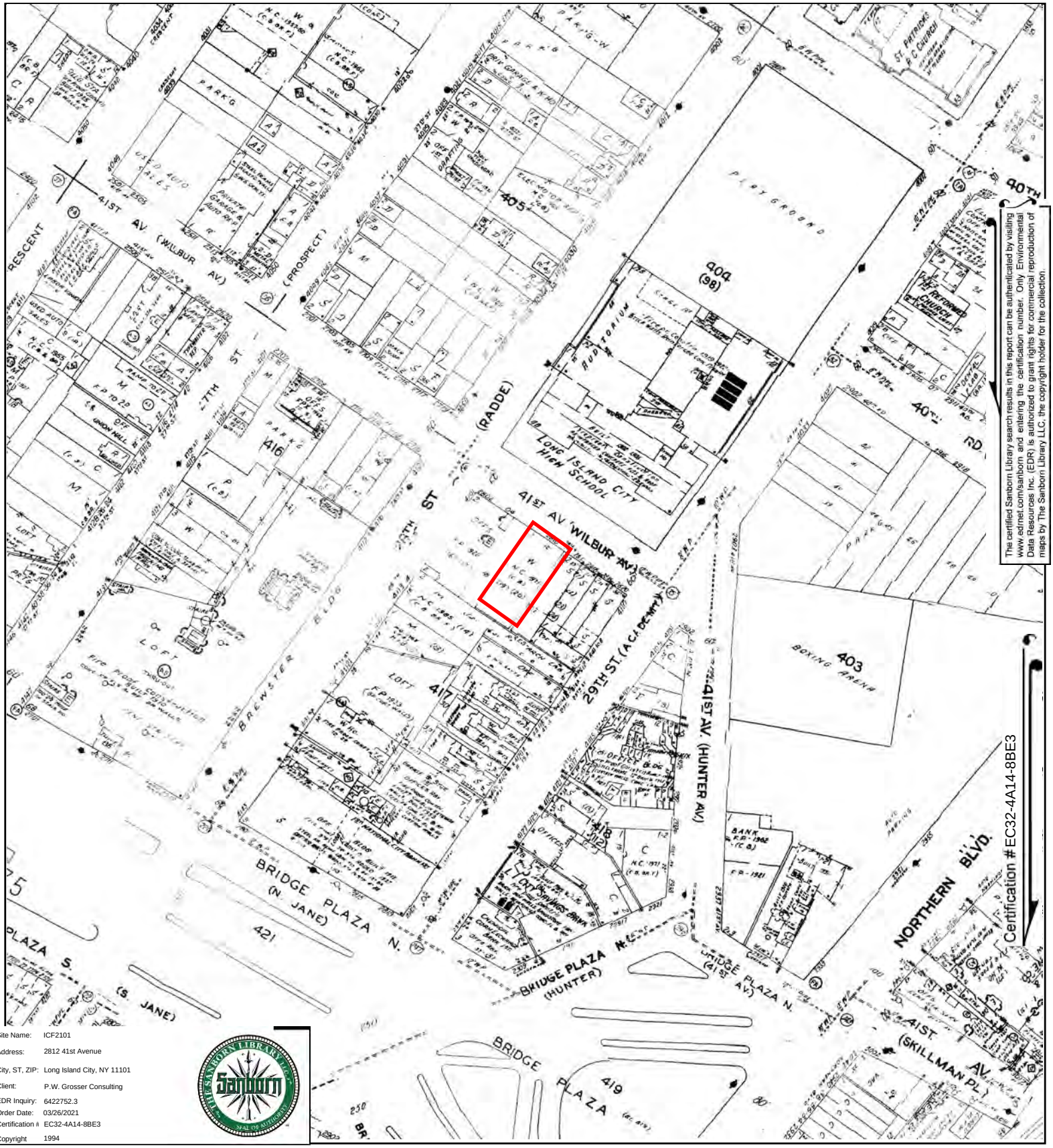




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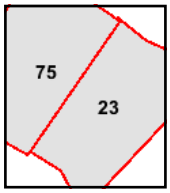
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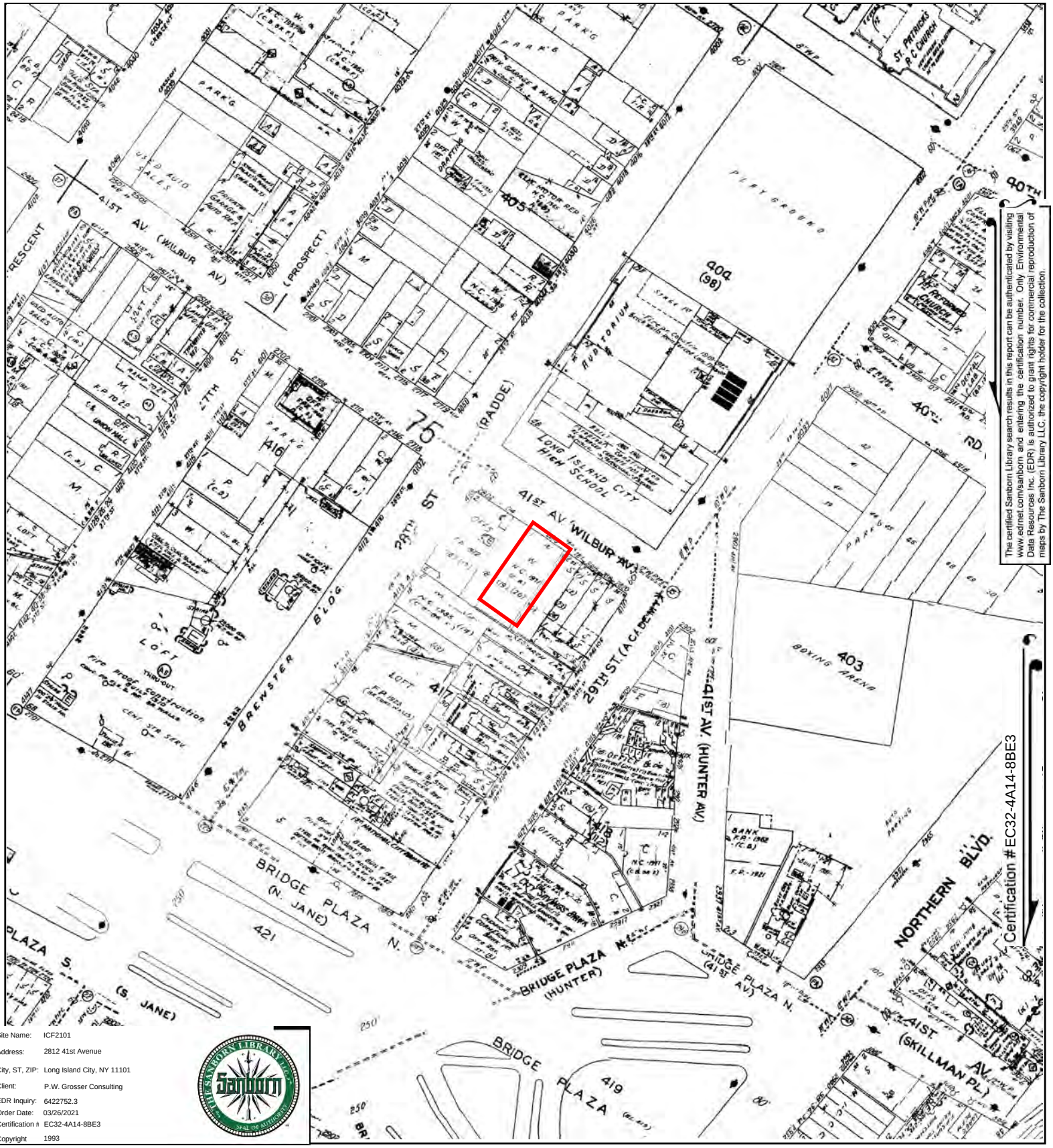
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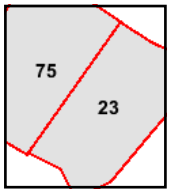
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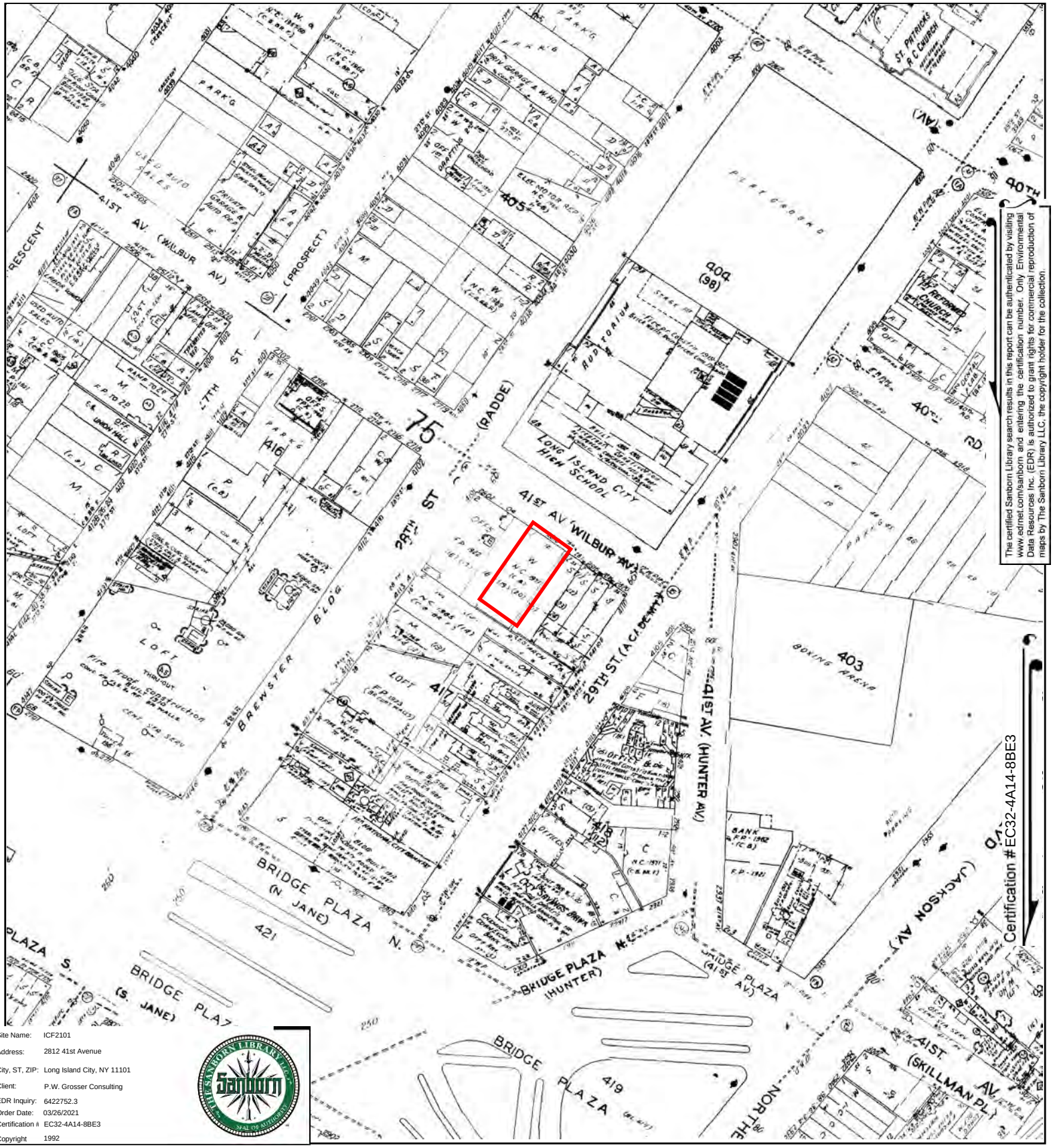
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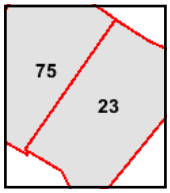


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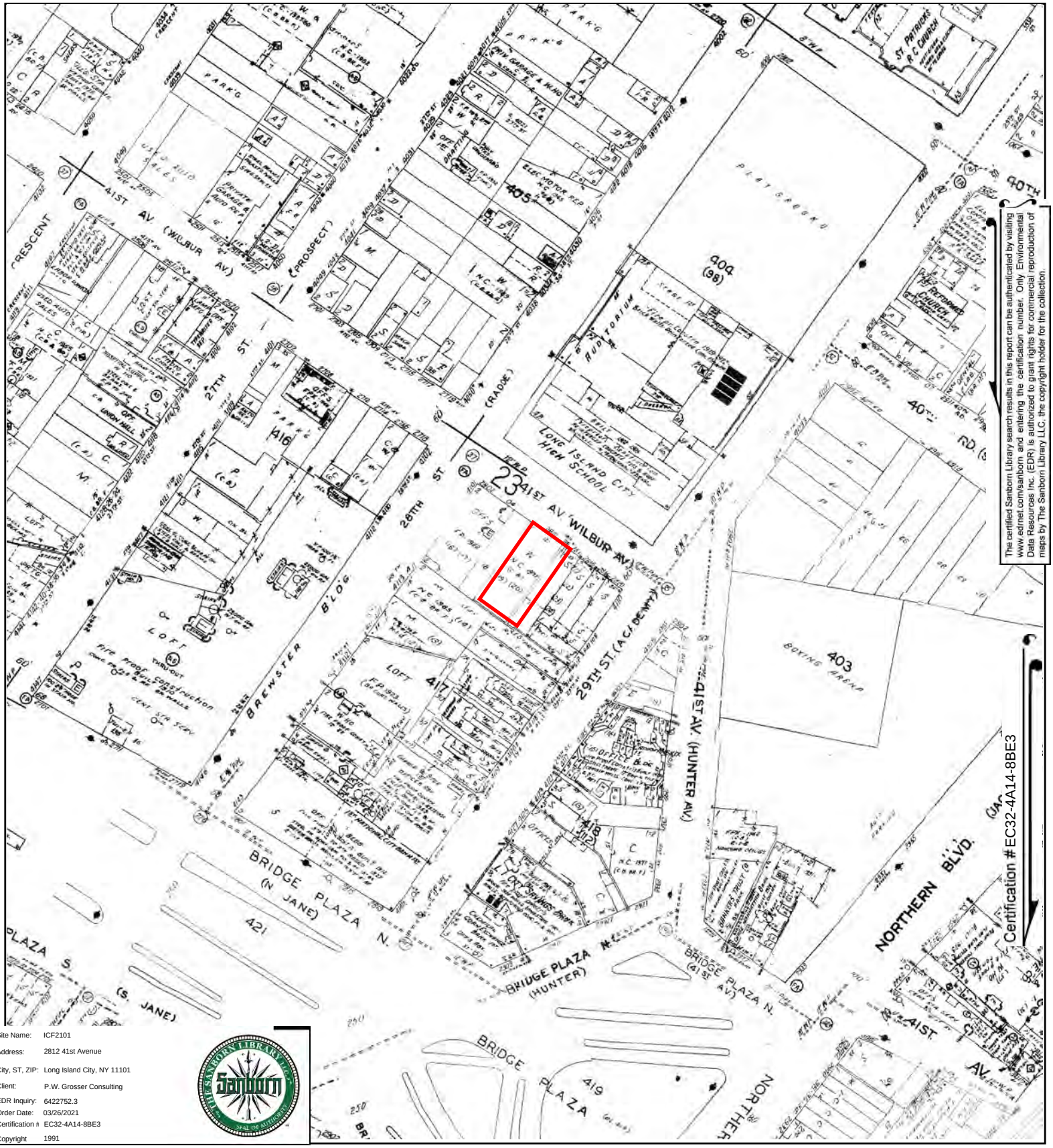




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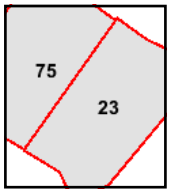
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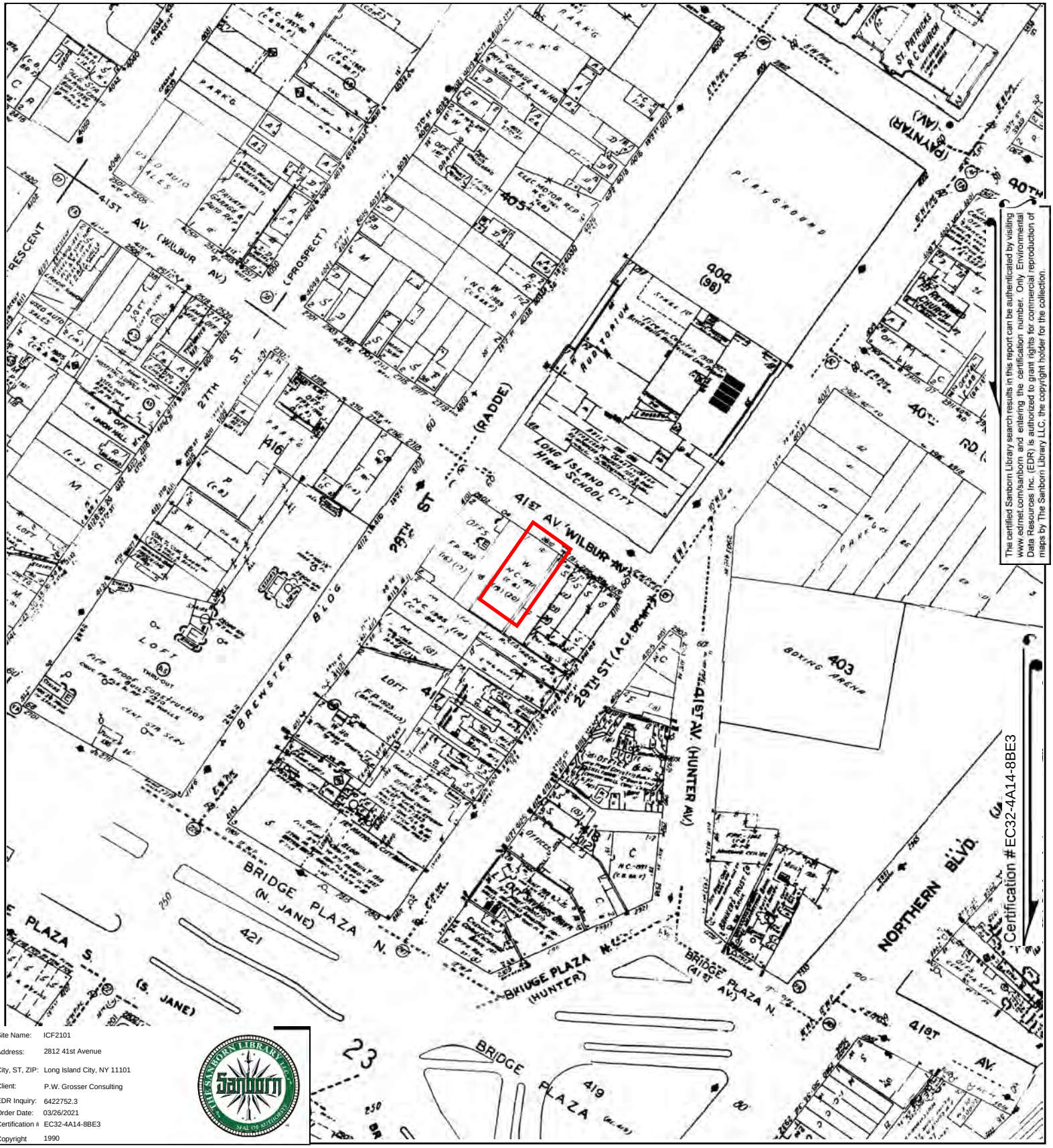
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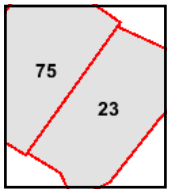
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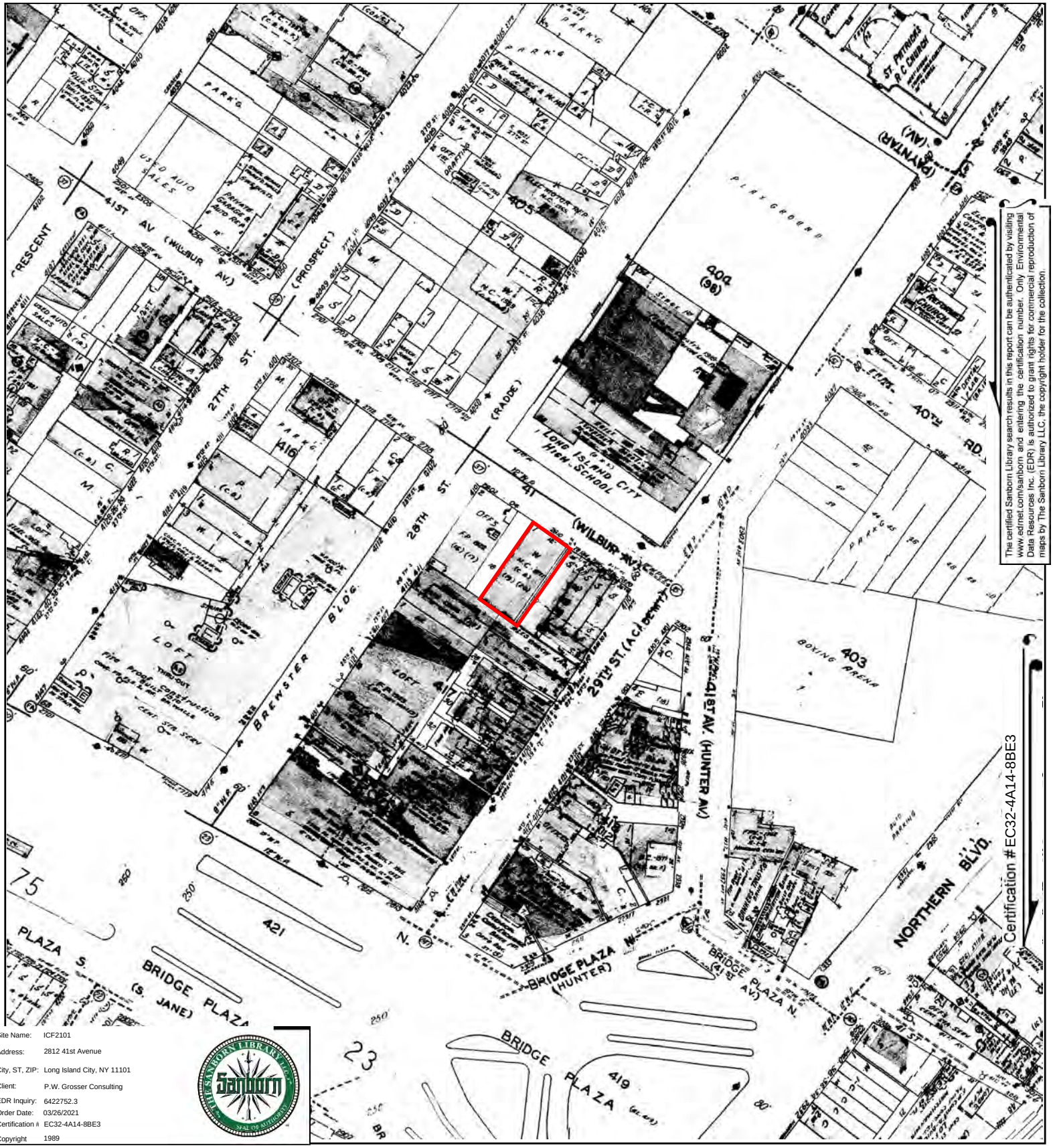
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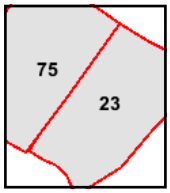


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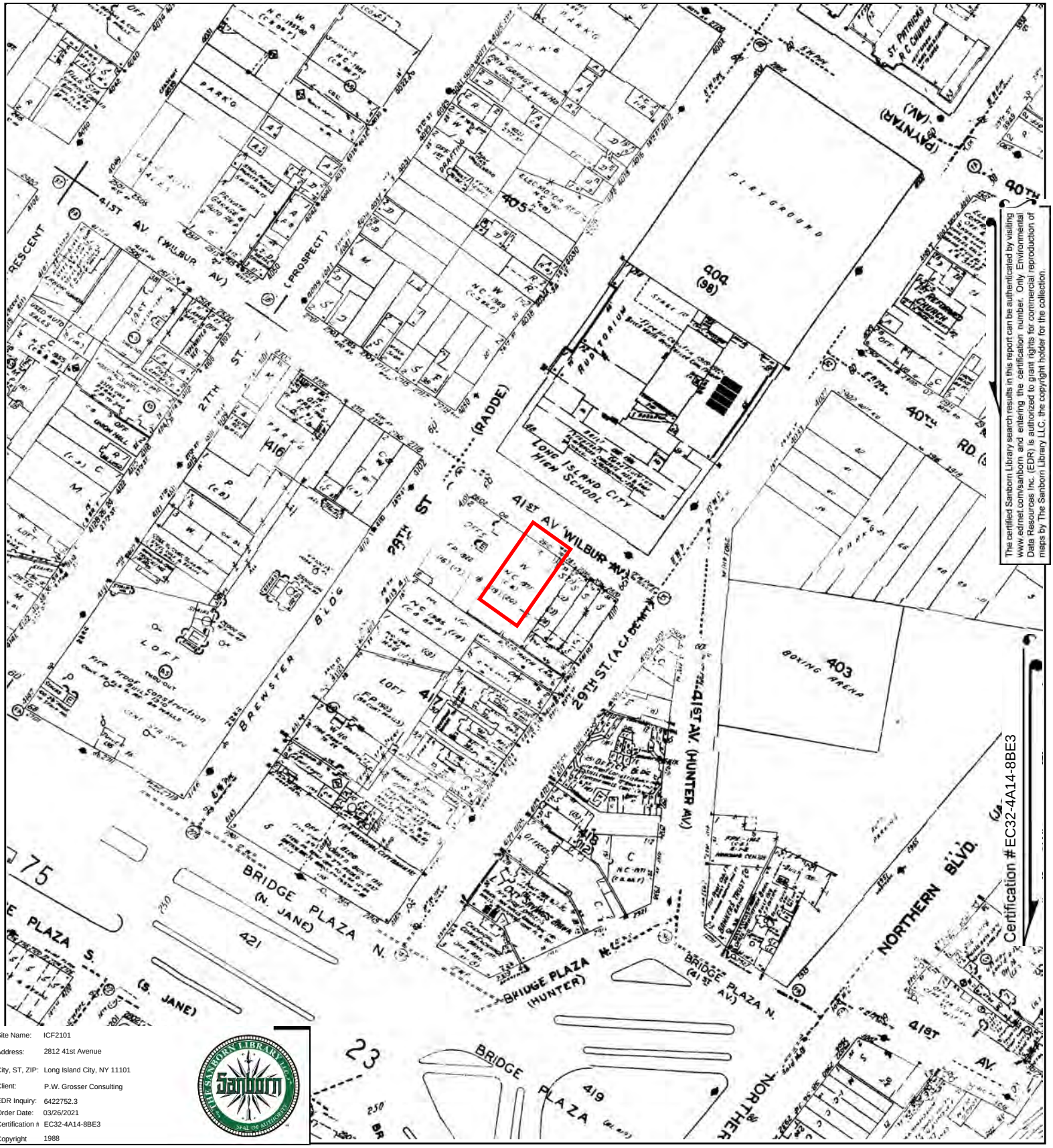




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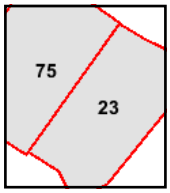
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Copyright	1988

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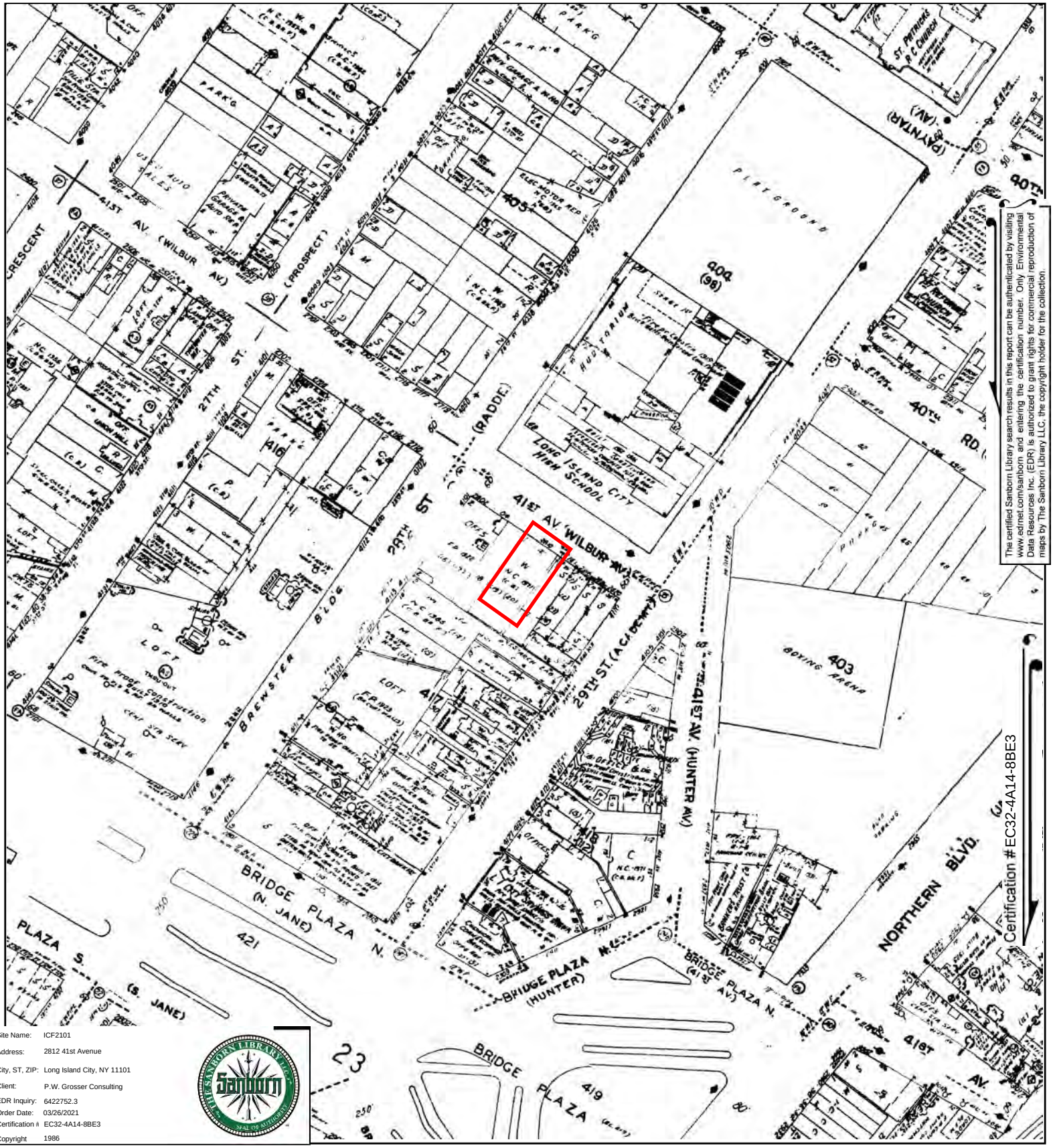
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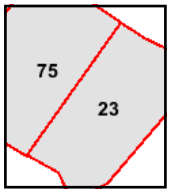
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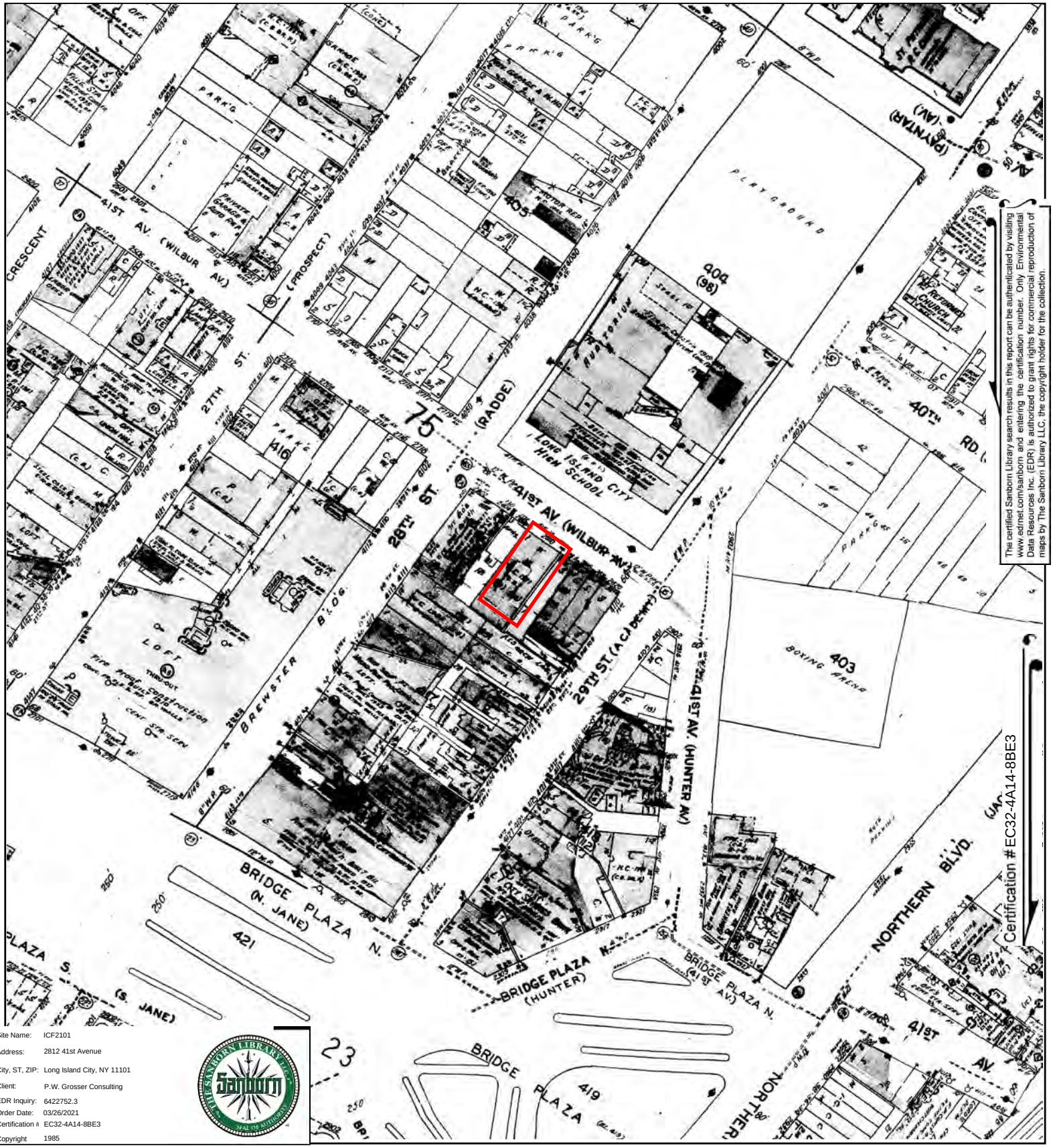
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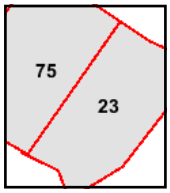
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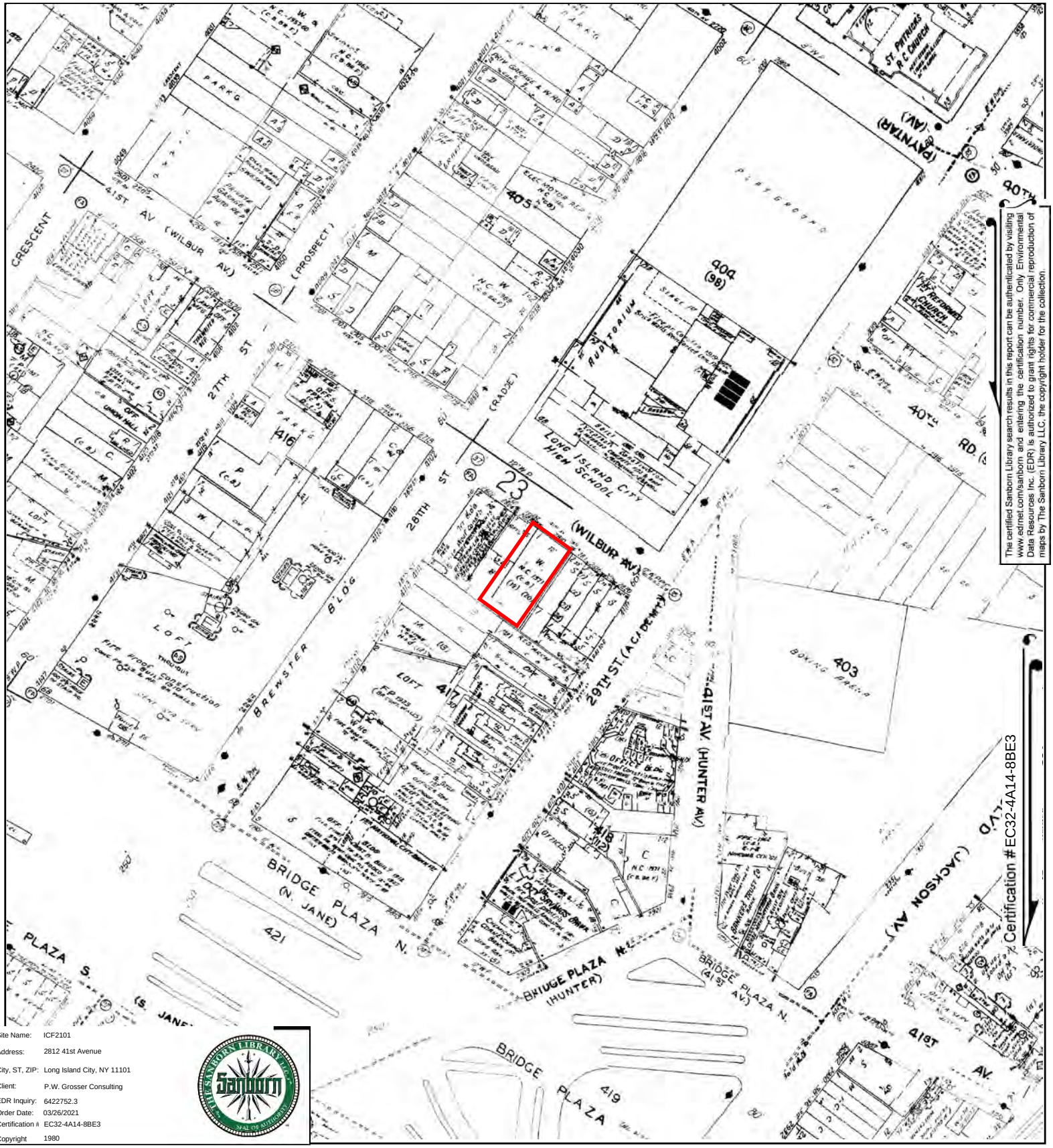
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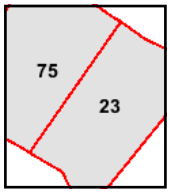


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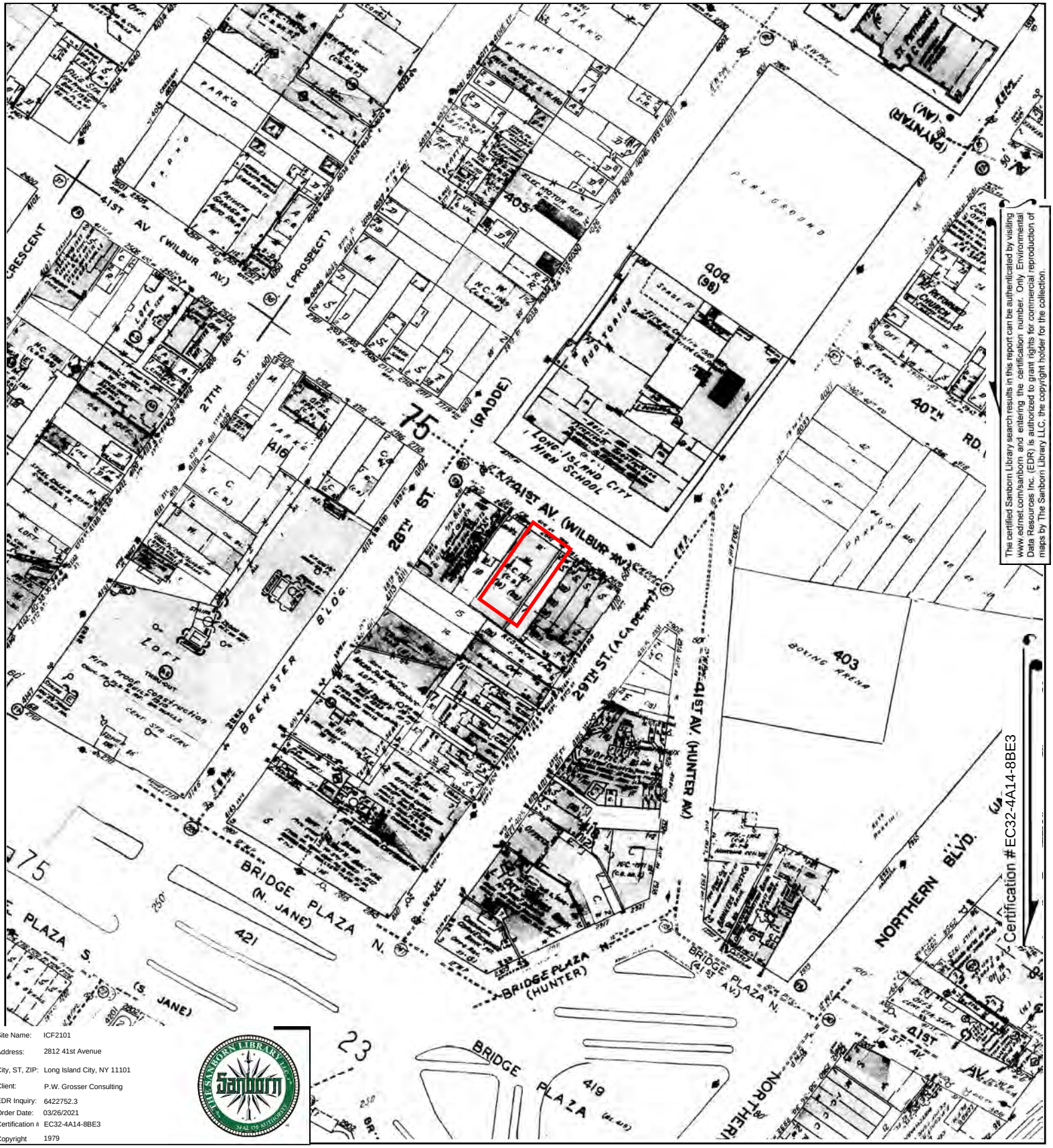




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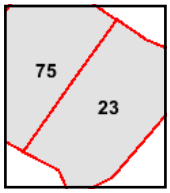
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Copyright	1979

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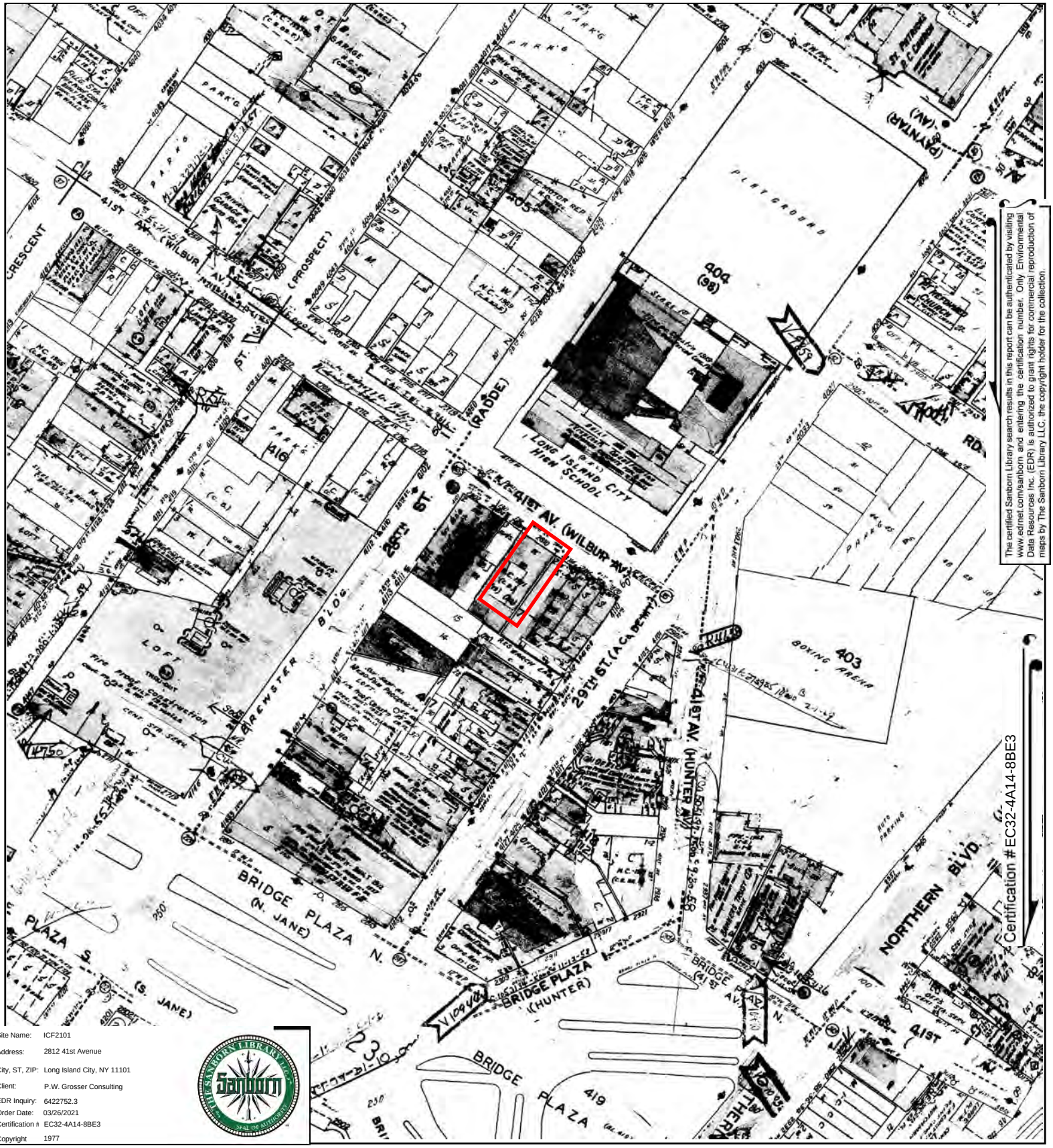
0 Feet 150 300 600





Volume 1, Sheet 23
Volume 1, Sheet 75

N



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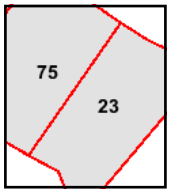
Certification #EC32-4A14-8BE3

Site Name:	ICF2101
Address:	2812 41st Avenue
City, ST, ZIP:	Long Island City, NY 11101
Client:	P.W. Grosser Consulting
EDR Inquiry:	6422752.3
Order Date:	03/26/2021
Certification #:	EC32-4A14-8BE3
Copyright	1977

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

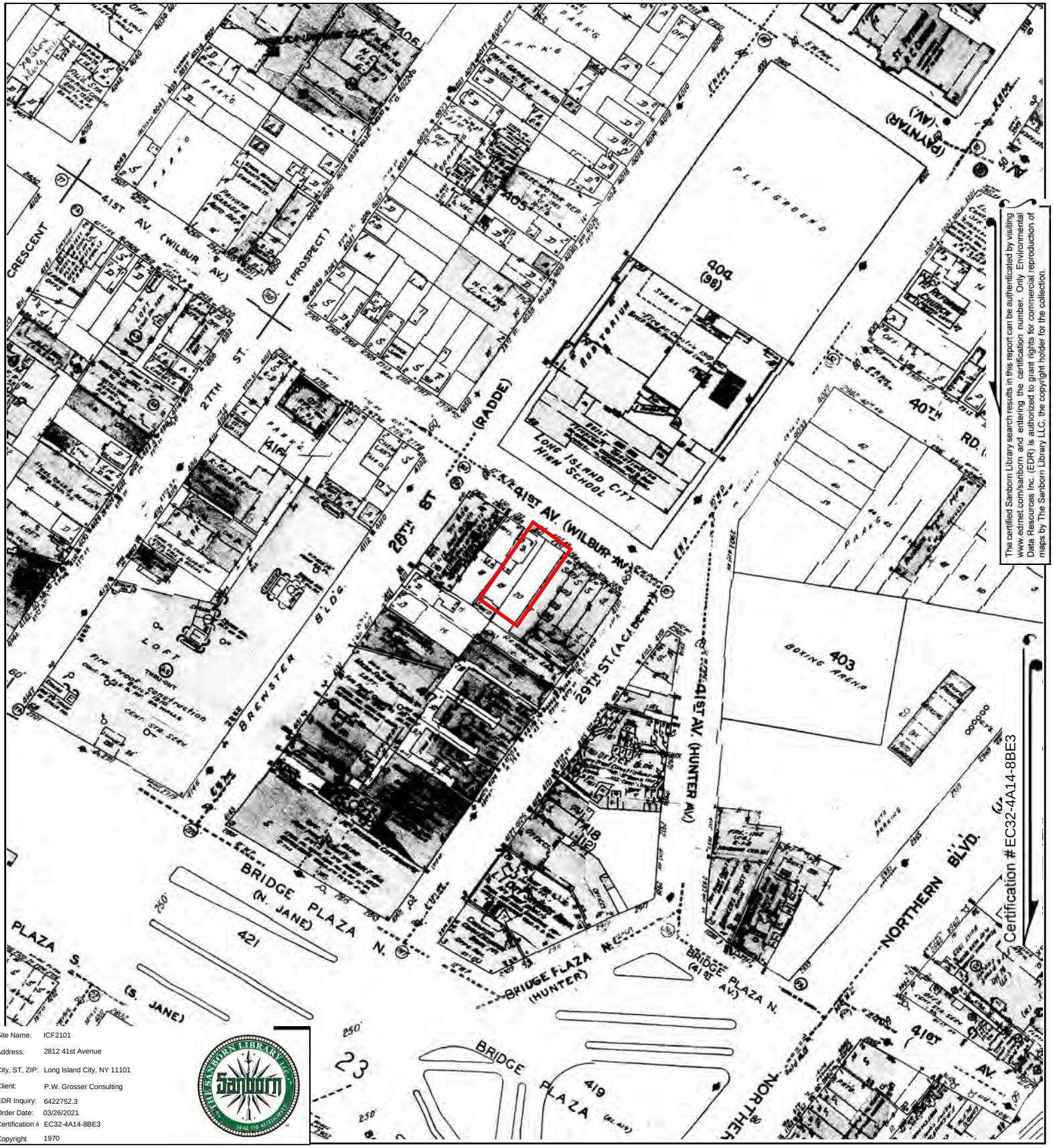
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Volume 1, Sheet 75
Volume 1, Sheet 23

N



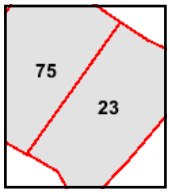
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Certification #EC32-4A14-8BE3

Site Name:	ICF2101
Address:	2812 41st Avenue
City, ST, ZIP:	Long Island City, NY 11101
Client:	P.W. Grosser Consulting
EDR Inquiry:	6422752.3
Order Date:	03/26/2021
Certification #:	EC32-4A14-8BE3
Copyright	1970

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

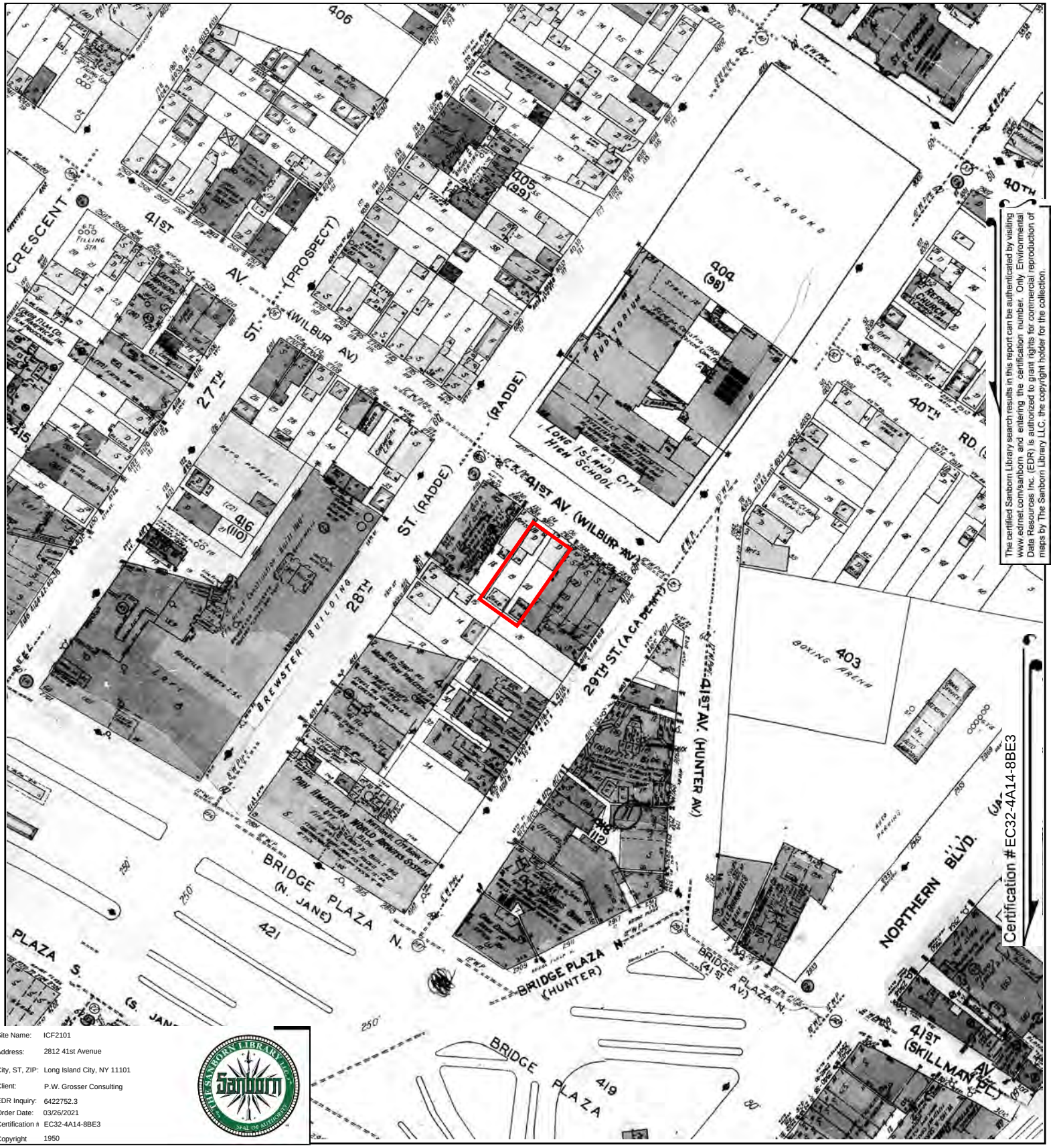




Volume 1, Sheet 75
Volume 1, Sheet 23

0 Feet 150 300 600

N



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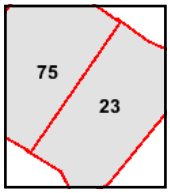
Certification #EC32-4A14-8BE3

Site Name:	ICF2101
Address:	2812 41st Avenue
City, ST, ZIP:	Long Island City, NY 11101
Client:	P.W. Grosser Consulting
EDR Inquiry:	6422752.3
Order Date:	03/26/2021
Certification #:	EC32-4A14-8BE3
Copyright	1950

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

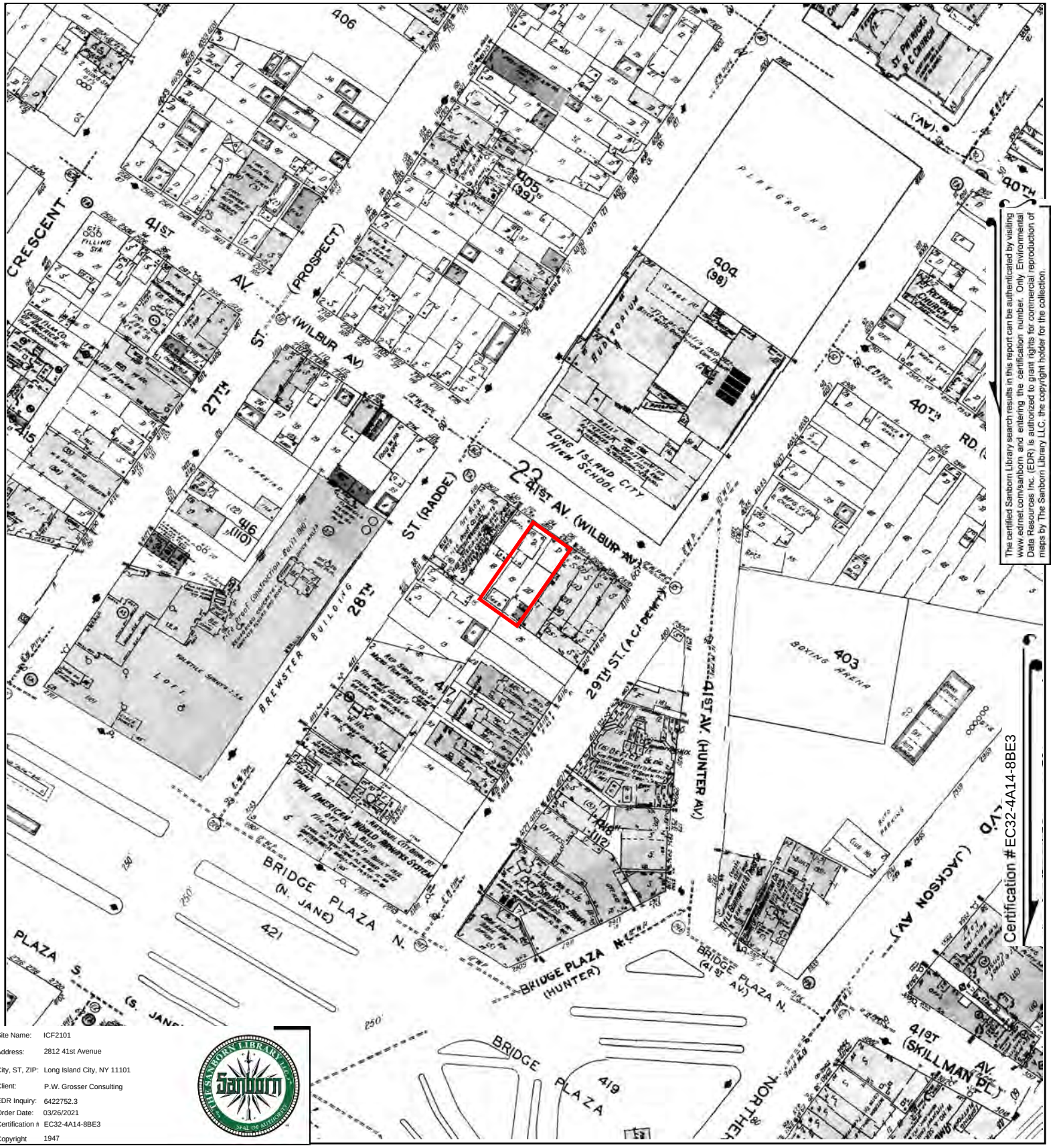
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Volume 1, Sheet 75
Volume 1, Sheet 23

N

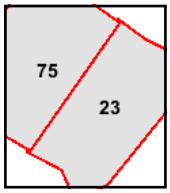


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Site Name:	ICF2101
Address:	2812 41st Avenue
City, ST, ZIP:	Long Island City, NY 11101
Client:	P.W. Grosser Consulting
EDR Inquiry:	6422752.3
Order Date:	03/26/2021
Certification #	EC32-4A14-8BE3
Copyright	1947

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

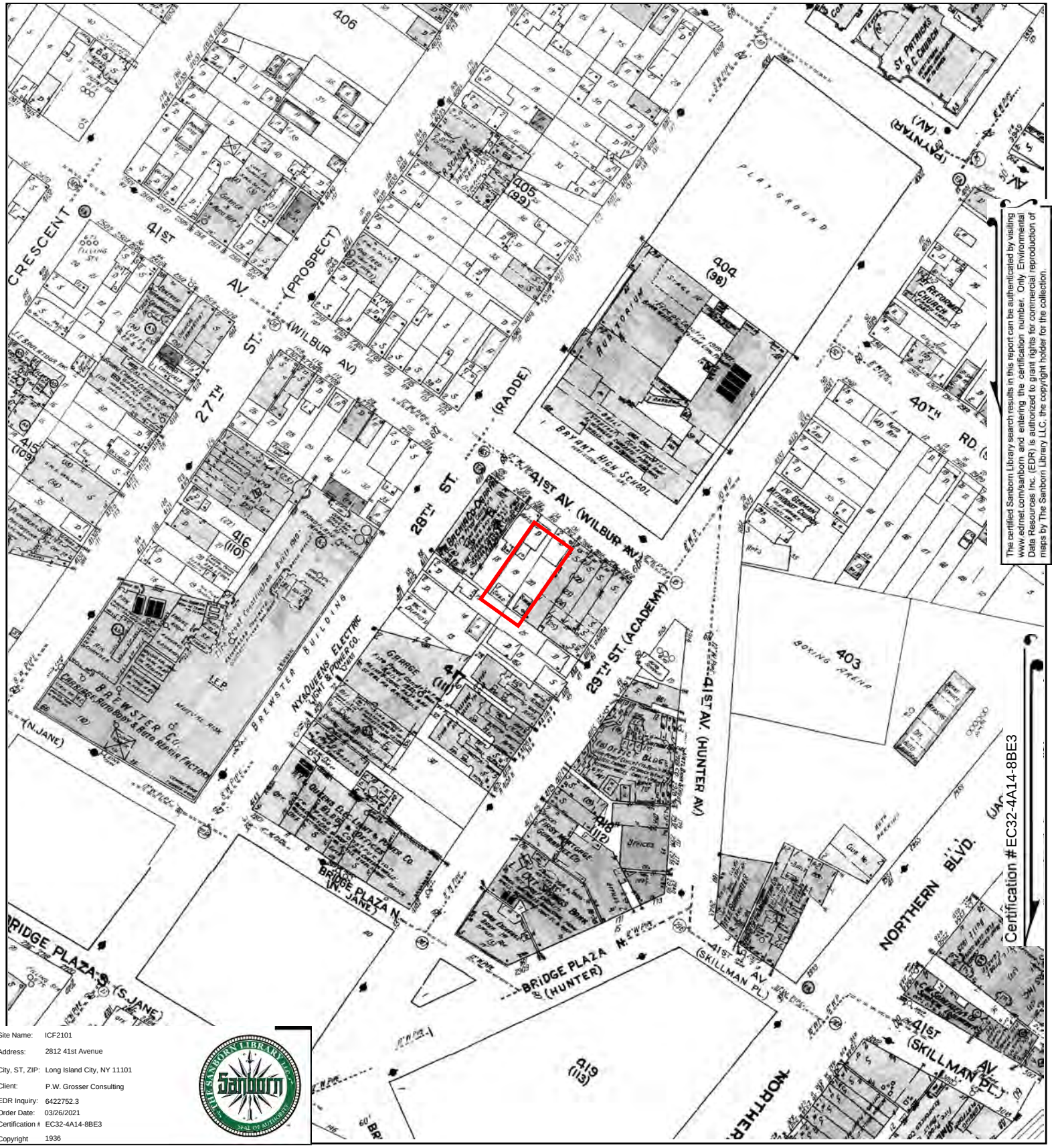




Volume 1, Sheet 75
Volume 1, Sheet 23

0 Feet 150 300 600

N



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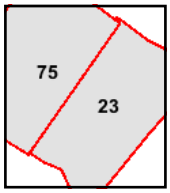
Certification #EC32-4A14-8BE3

Site Name:	ICF2101
Address:	2812 41st Avenue
City, ST, ZIP:	Long Island City, NY 11101
Client:	P.W. Grosser Consulting
EDR Inquiry:	6422752.3
Order Date:	03/26/2021
Certification #:	EC32-4A14-8BE3
Copyright	1936

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

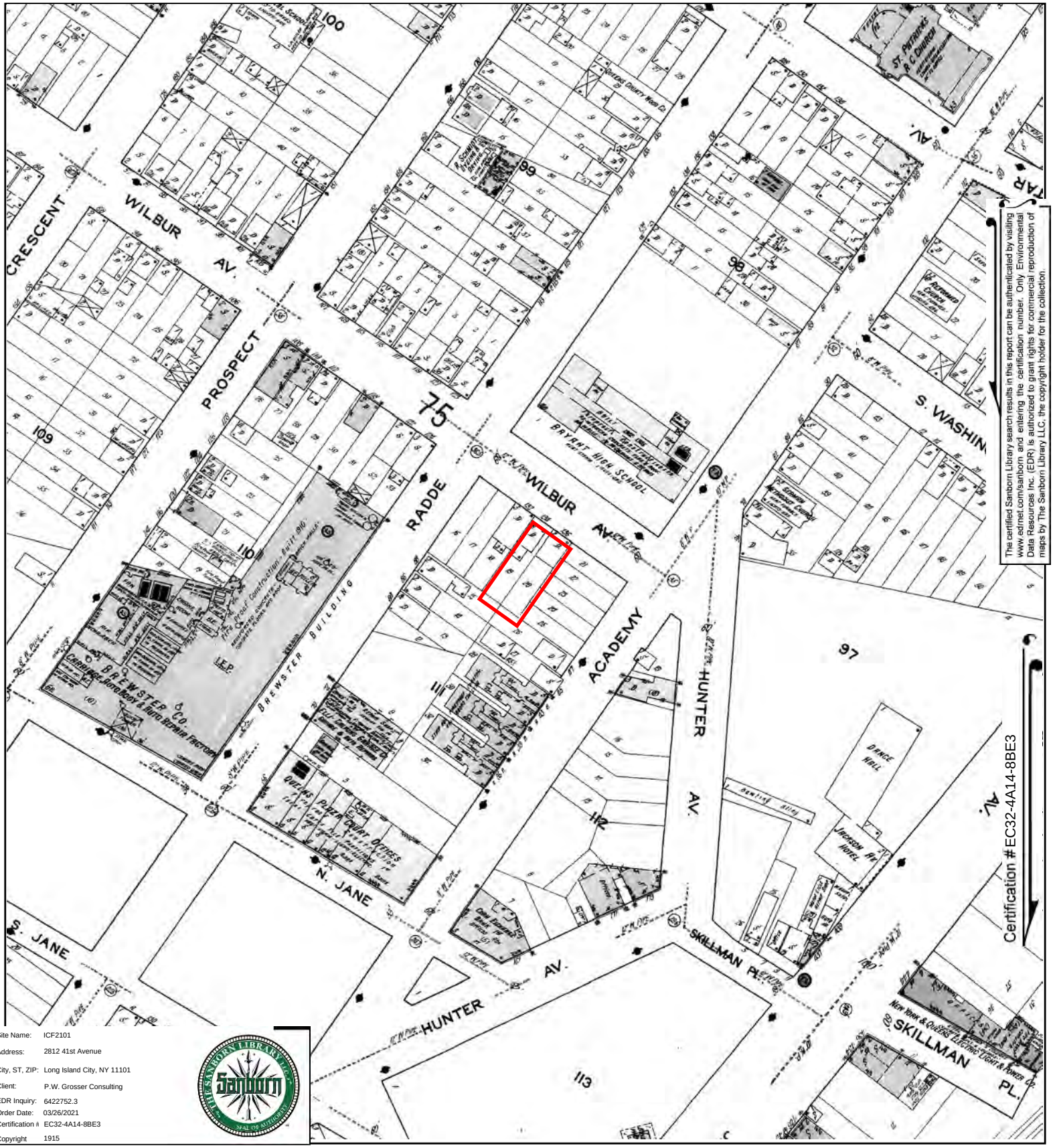
0 Feet 150 300 600





Volume 1, Sheet 75
Volume 1, Sheet 23

N



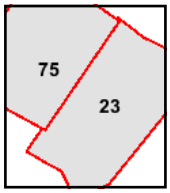
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #EC32-4A14-8BE3

Site Name:	ICF2101
Address:	2812 41st Avenue
City, ST, ZIP:	Long Island City, NY 11101
Client:	P.W. Grosser Consulting
EDR Inquiry:	6422752.3
Order Date:	03/26/2021
Certification #:	EC32-4A14-8BE3
Copyright	1915

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

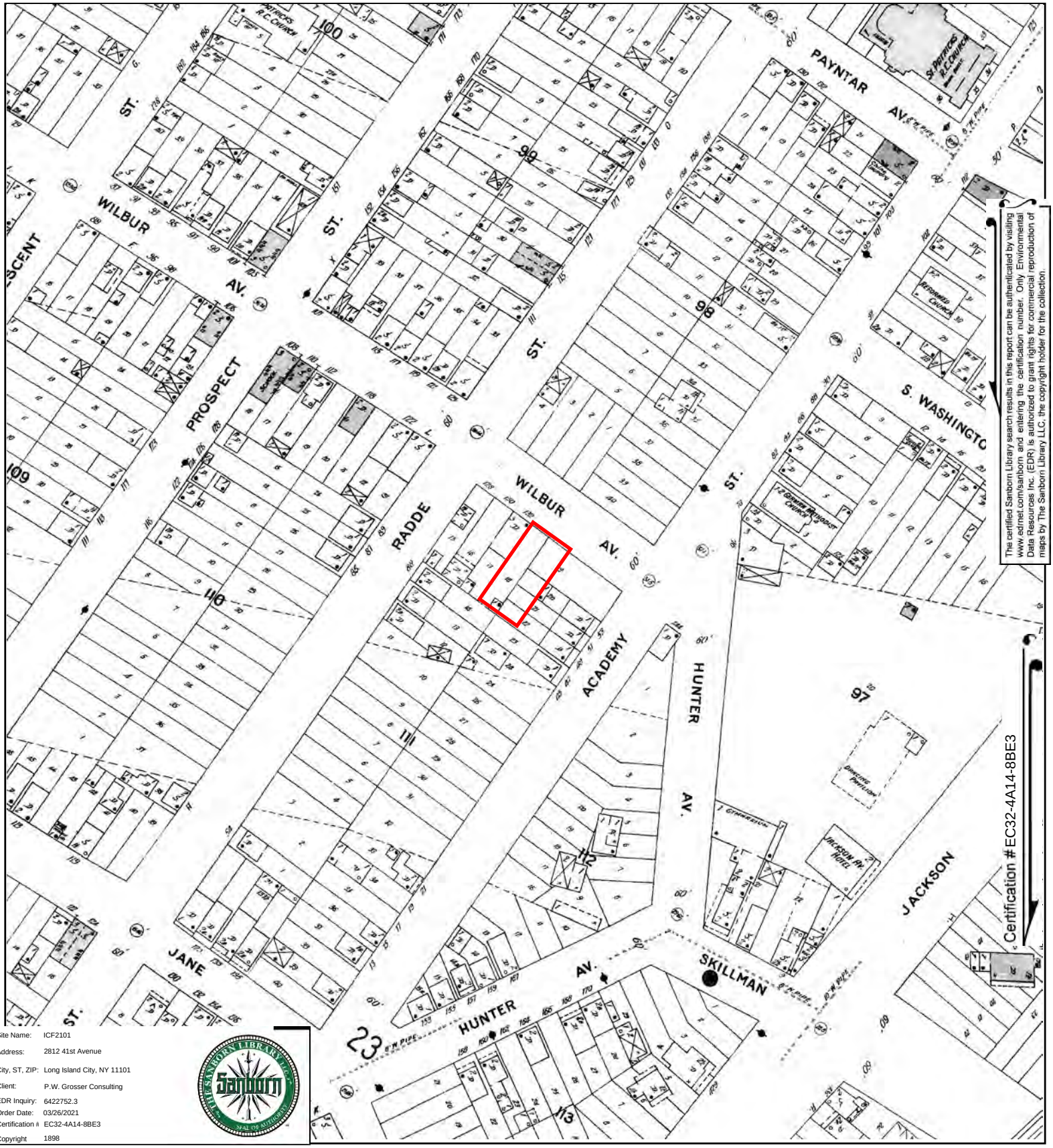




Volume 1, Sheet 75
Volume 1, Sheet 23

0 Feet 150 300 600

N



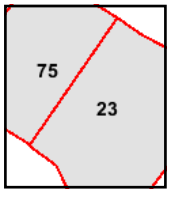
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name: ICF2101
Address: 2812 41st Avenue
City, ST, ZIP: Long Island City, NY 11101
Client: P.W. Grosser Consulting
EDR Inquiry: 6422752.3
Order Date: 03/26/2021
Certification #: EC32-4A14-8BE3
Copyright 1898

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600





Volume 1, Sheet 23
Volume 1, Sheet 75

N

APPENDIX C
TOPOGRAPHIC MAPS

ICF2101

2812 41st Avenue

Long Island City, NY 11101

Inquiry Number: 6422752.4

March 26, 2021

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

03/26/21

Site Name:

ICF2101
2812 41st Avenue
Long Island City, NY 11101
EDR Inquiry # 6422752.4

Client Name:

P.W. Grosser Consulting
630 Johnson Ave
Bohemia, NY 11550
Contact: Ryan Morley

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by P.W. Grosser Consulting 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.# ICF2101
Project: ICF2101

Coordinates:

Latitude:	40.751027 40° 45' 4" North
Longitude:	-73.937342 -73° 56' 14" West
UTM Zone:	Zone 18 North
UTM X Meters:	589707.39
UTM Y Meters:	4511662.37
Elevation:	32.91' above sea level

Maps Provided:

2013
1995, 1997
1979
1966, 1967
1956
1947
1900
1898
1897

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013 Source Sheets



Central Park
2013
7.5-minute, 24000



Brooklyn
2013
7.5-minute, 24000

1995, 1997 Source Sheets



Brooklyn
1995
7.5-minute, 24000
Aerial Photo Revised 1977



Central Park
1997
7.5-minute, 24000
Aerial Photo Revised 1997

1979 Source Sheets

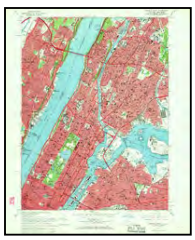


Central Park
1979
7.5-minute, 24000
Aerial Photo Revised 1977



Brooklyn
1979
7.5-minute, 24000
Aerial Photo Revised 1977

1966, 1967 Source Sheets



Central Park
1966
7.5-minute, 24000
Aerial Photo Revised 1966



Brooklyn
1967
7.5-minute, 24000
Aerial Photo Revised 1966

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1956 Source Sheets



Brooklyn
1956
7.5-minute, 24000



Central Park
1956
7.5-minute, 24000

1947 Source Sheets



Brooklyn
1947
7.5-minute, 24000
Aerial Photo Revised 1940



Central Park
1947
7.5-minute, 24000
Aerial Photo Revised 1941

1900 Source Sheets



Harlem
1900
15-minute, 62500



Brooklyn
1900
15-minute, 62500

1898 Source Sheets



Brooklyn
1898
15-minute, 62500



Harlem
1898
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1897 Source Sheets



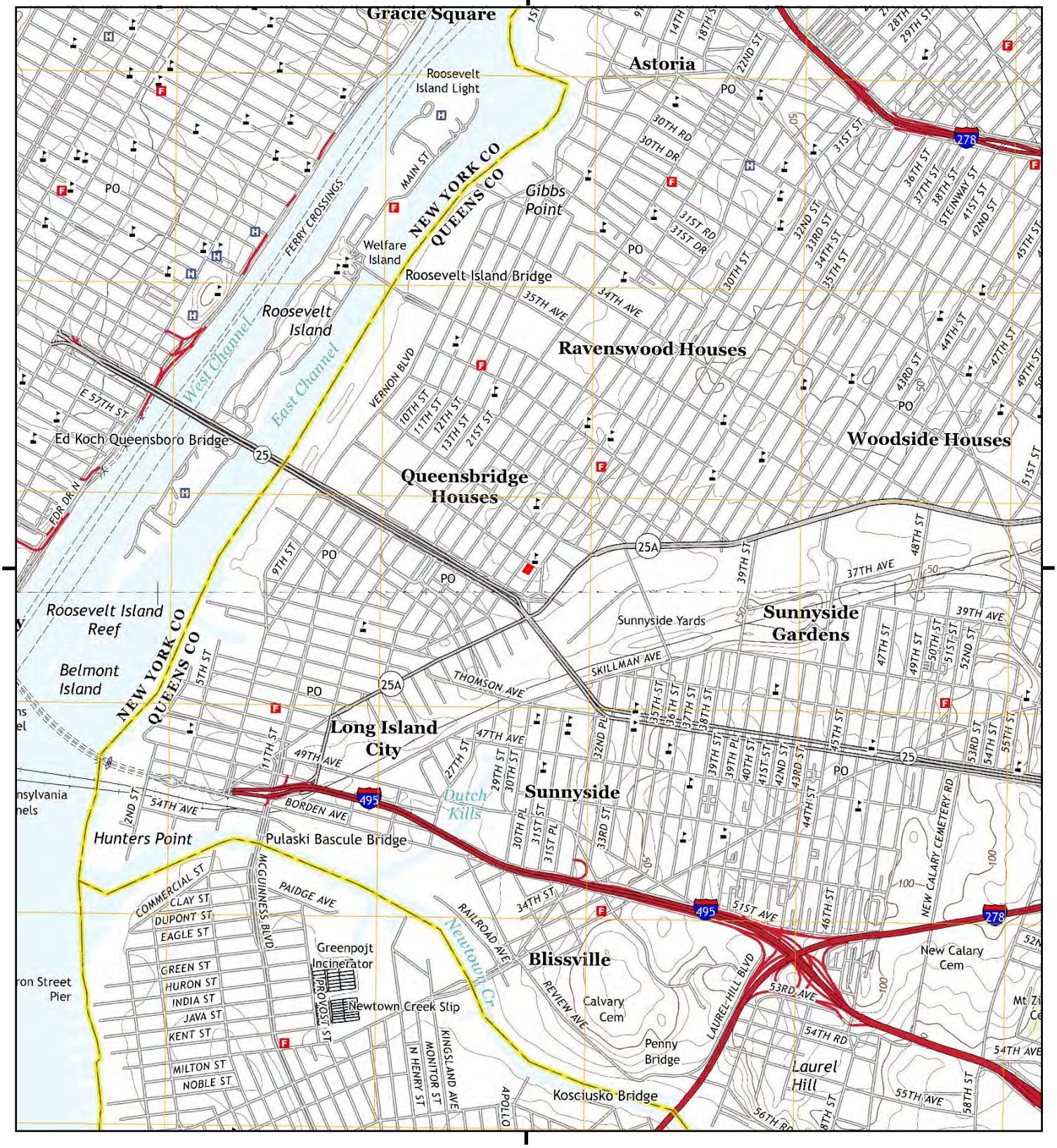
Brooklyn
1897
15-minute, 62500



Harlem
1897
15-minute, 62500

Historical Topo Map

2013



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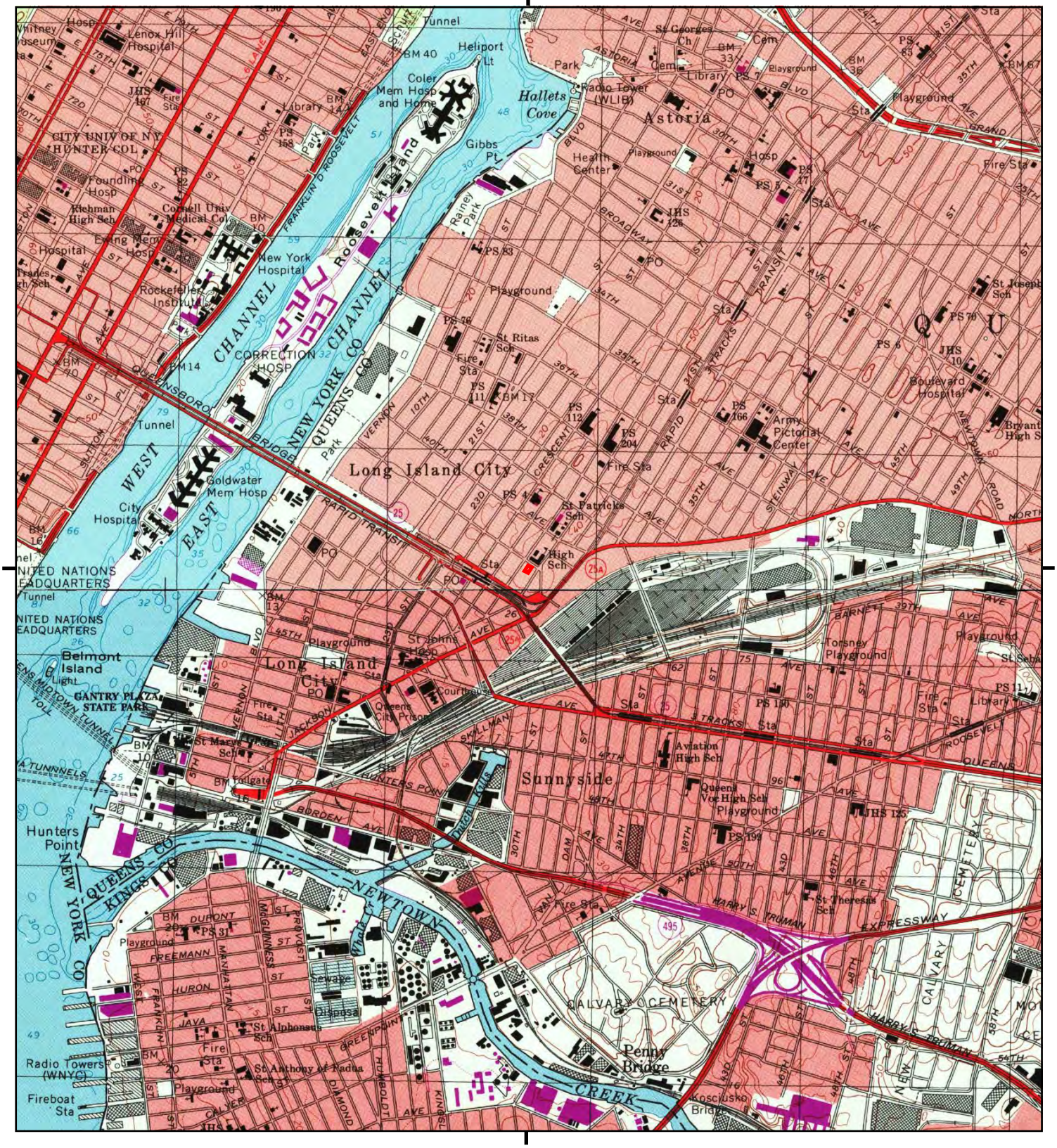
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Central Park, 2013, 7.5-minute
S, Brooklyn, 2013, 7.5-minute

SITE NAME: ICF2101
ADDRESS: 2812 41st Avenue
Long Island City, NY 11101
CLIENT: P.W. Grosser Consulting

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

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W E
SW S SE

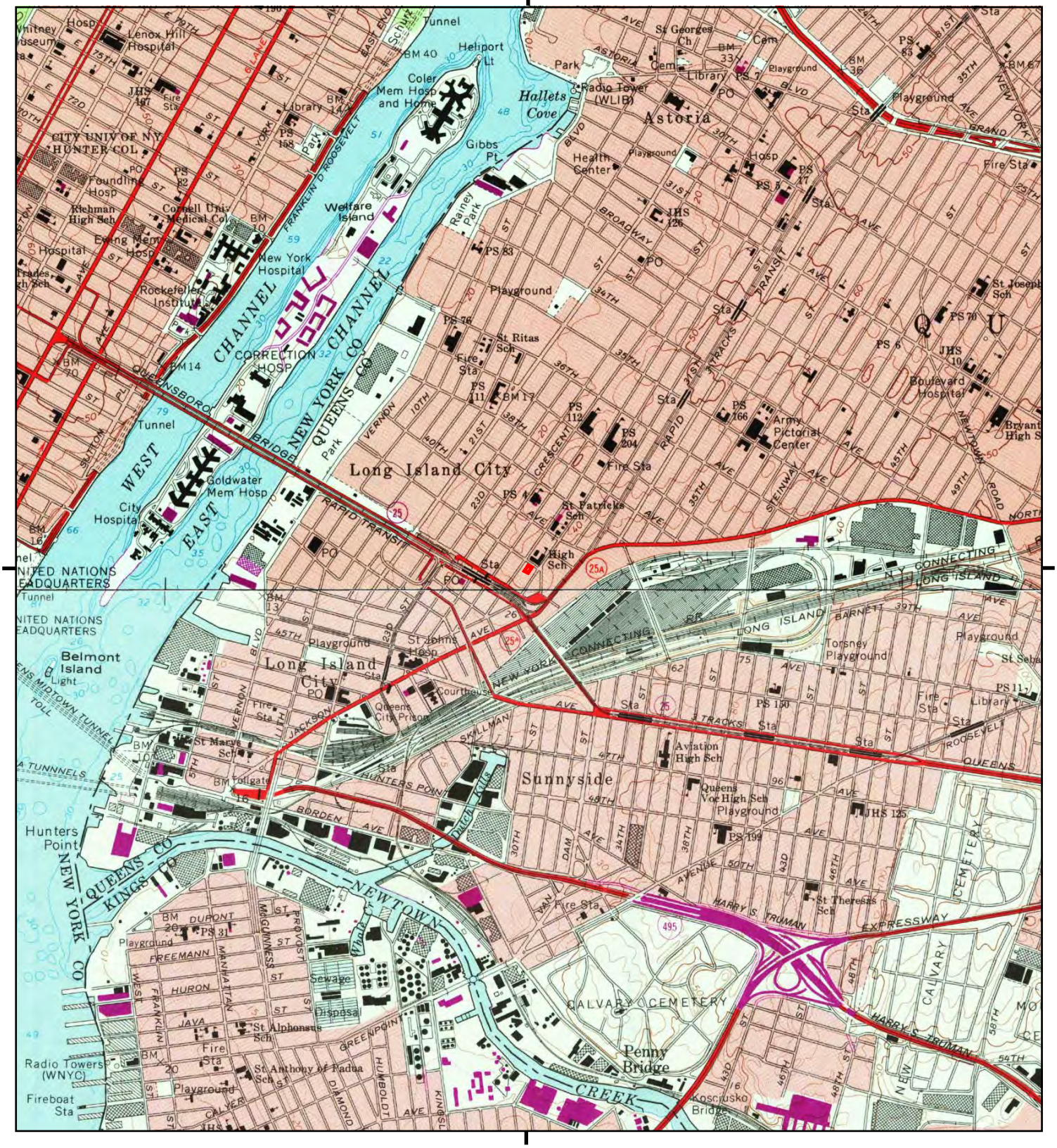
TP, Central Park, 1997, 7.5-minute
S, Brooklyn, 1995, 7.5-minute

SITE NAME: ICF2101
ADDRESS: 2812 41st Avenue
Long Island City, NY 11101
CLIENT: P.W. Grosser Consulting

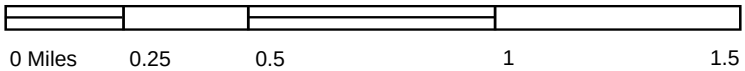
N

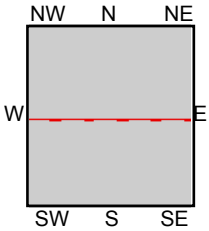
Historical Topo Map

1979



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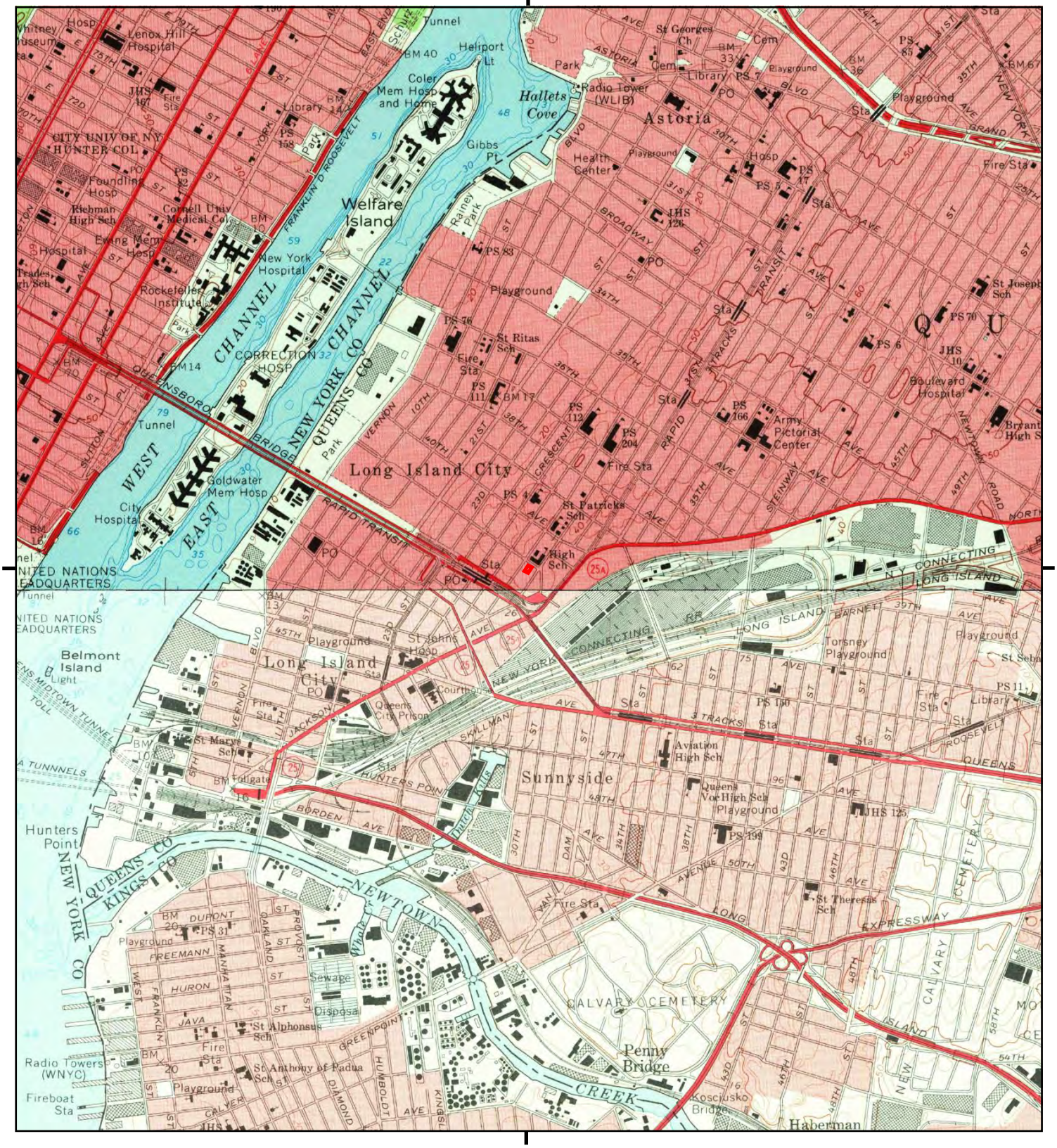




TP, Central Park, 1979, 7.5-minute
S, Brooklyn, 1979, 7.5-minute

SITE NAME: ICF2101
ADDRESS: 2812 41st Avenue
Long Island City, NY 11101
CLIENT: P.W. Grosser Consulting





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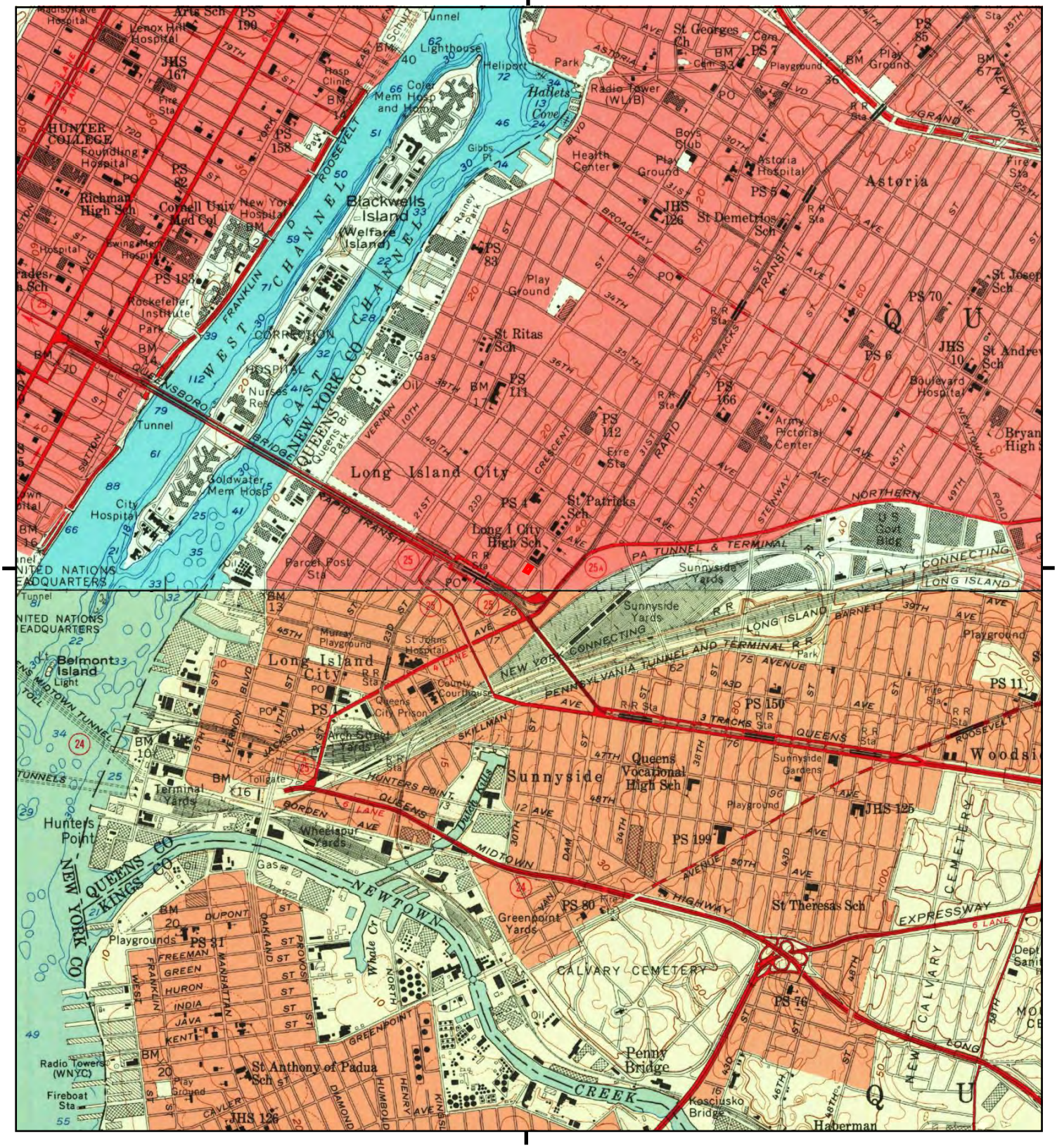
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Central Park, 1966, 7.5-minute
S, Brooklyn, 1967, 7.5-minute

SITE NAME: ICF2101
ADDRESS: 2812 41st Avenue
Long Island City, NY 11101
CLIENT: P.W. Grosser Consulting

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, Central Park, 1956, 7.5-minute
S, Brooklyn, 1956, 7.5-minute

SITE NAME: ICF2101
ADDRESS: 2812 41st Avenue
Long Island City, NY 11101
CLIENT: P.W. Grosser Consulting

N



This report includes information from the following map sheet(s).

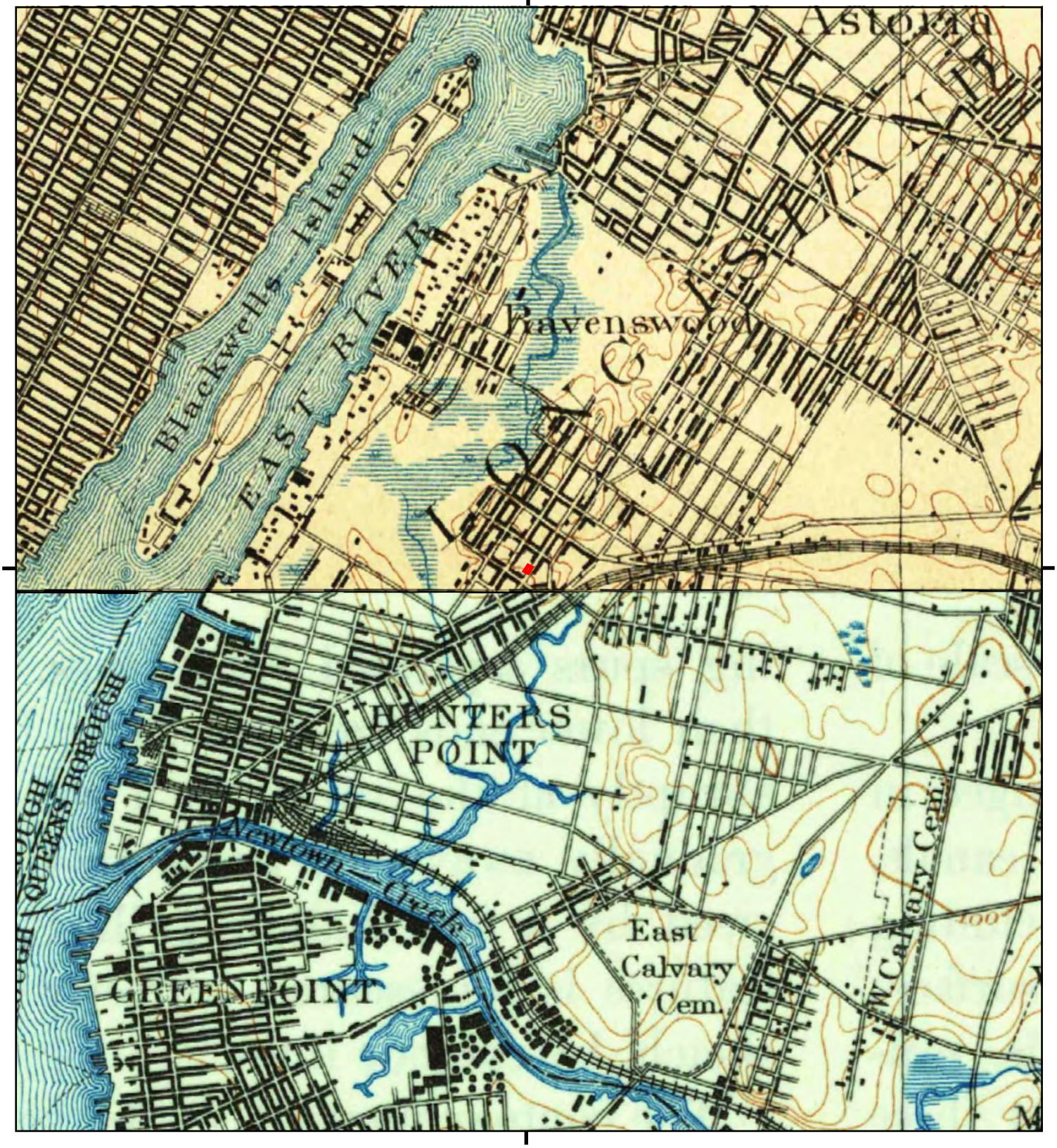
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Central Park, 1947, 7.5-minute
S, Brooklyn, 1947, 7.5-minute

SITE NAME: ICF2101
ADDRESS: 2812 41st Avenue
Long Island City, NY 11101
CLIENT: P.W. Grosser Consulting

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, Harlem, 1900, 15-minute
S, Brooklyn, 1900, 15-minute

SITE NAME: ICF2101
ADDRESS: 2812 41st Avenue
Long Island City, NY 11101
CLIENT: P.W. Grosser Consulting

N



This report includes information from the following map sheet(s).

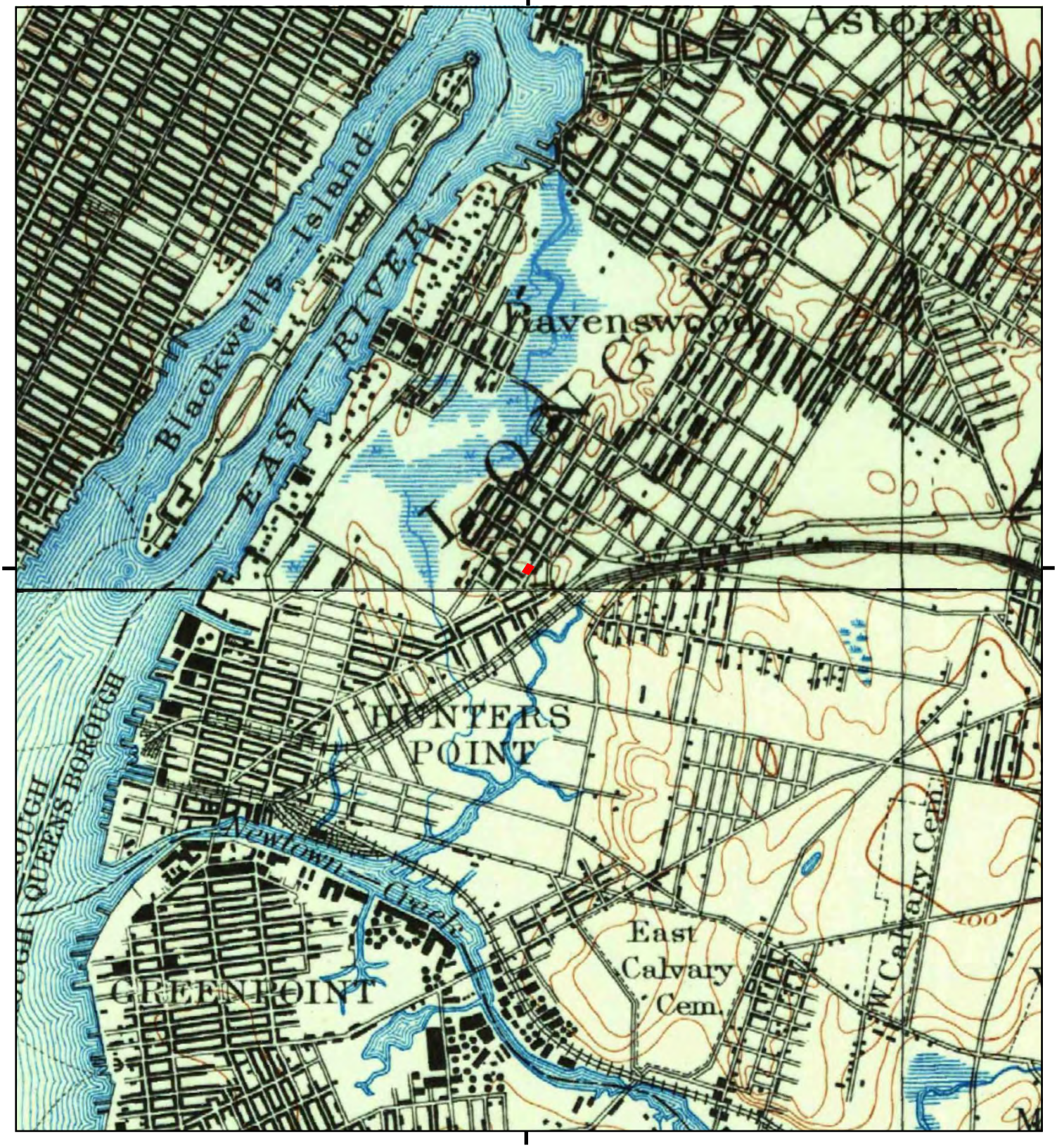
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Harlem, 1898, 15-minute
S, Brooklyn, 1898, 15-minute

SITE NAME: ICF2101
ADDRESS: 2812 41st Avenue
Long Island City, NY 11101
CLIENT: P.W. Grosser Consulting

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, Harlem, 1897, 15-minute
S, Brooklyn, 1897, 15-minute

SITE NAME: ICF2101
ADDRESS: 2812 41st Avenue
Long Island City, NY 11101
CLIENT: P.W. Grosser Consulting

N

APPENDIX D
AERIAL PHOTOS

ICF2101

2812 41st Avenue

Long Island City, NY 11101

Inquiry Number: 6422752.8

March 26, 2021

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

03/26/21

Site Name:

ICF2101
2812 41st Avenue
Long Island City, NY 11101
EDR Inquiry # 6422752.8

Client Name:

P.W. Grosser Consulting
630 Johnson Ave
Bohemia, NY 11550
Contact: Ryan Morley

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
1995	1"=500'	Acquisition Date: March 13, 1995	USGS/DOQQ
1994	1"=500'	Acquisition Date: January 01, 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: September 15, 1974	NOAA
1966	1"=500'	Flight Date: February 23, 1966	USGS
1961	1"=500'	Flight Date: April 12, 1961	EDR Proprietary Aerial Viewpoint
1954	1"=500'	Flight Date: January 04, 1954	USGS
1951	1"=500'	Flight Date: April 21, 1951	EDR Proprietary Aerial Viewpoint
1941	1"=500'	Flight Date: January 01, 1941	FirstSearch
1924	1"=500'	Flight Date: July 01, 1924	FAIR

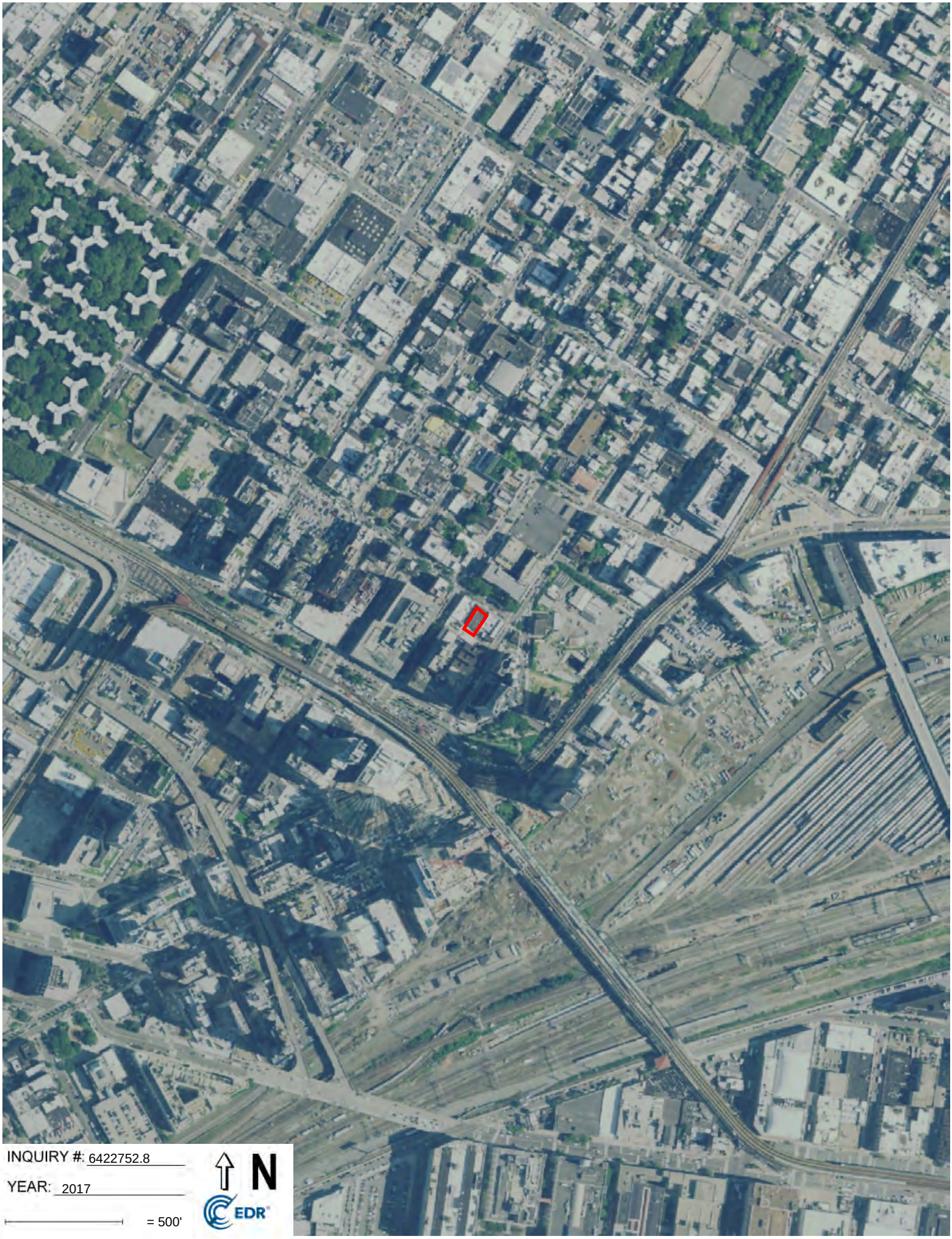
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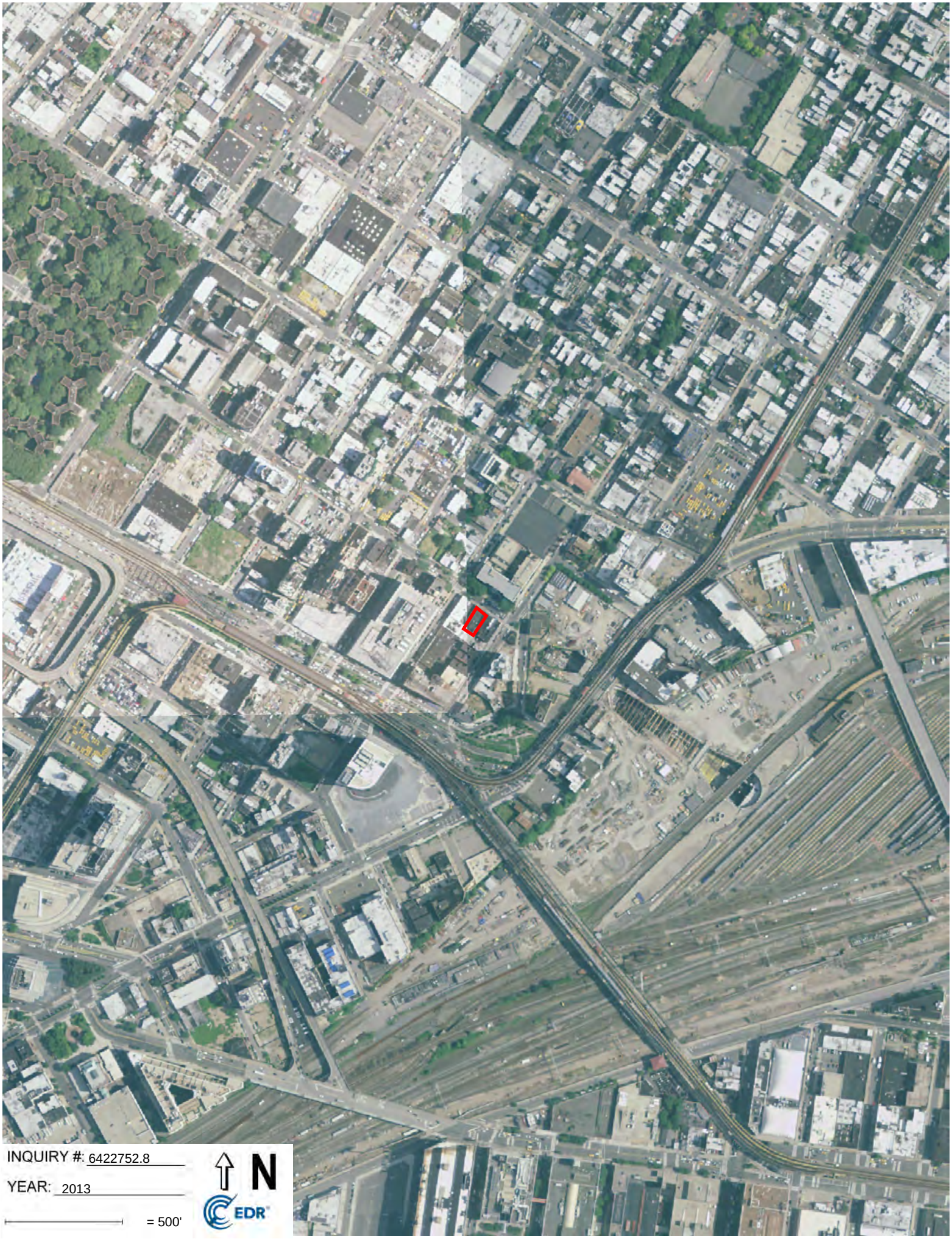
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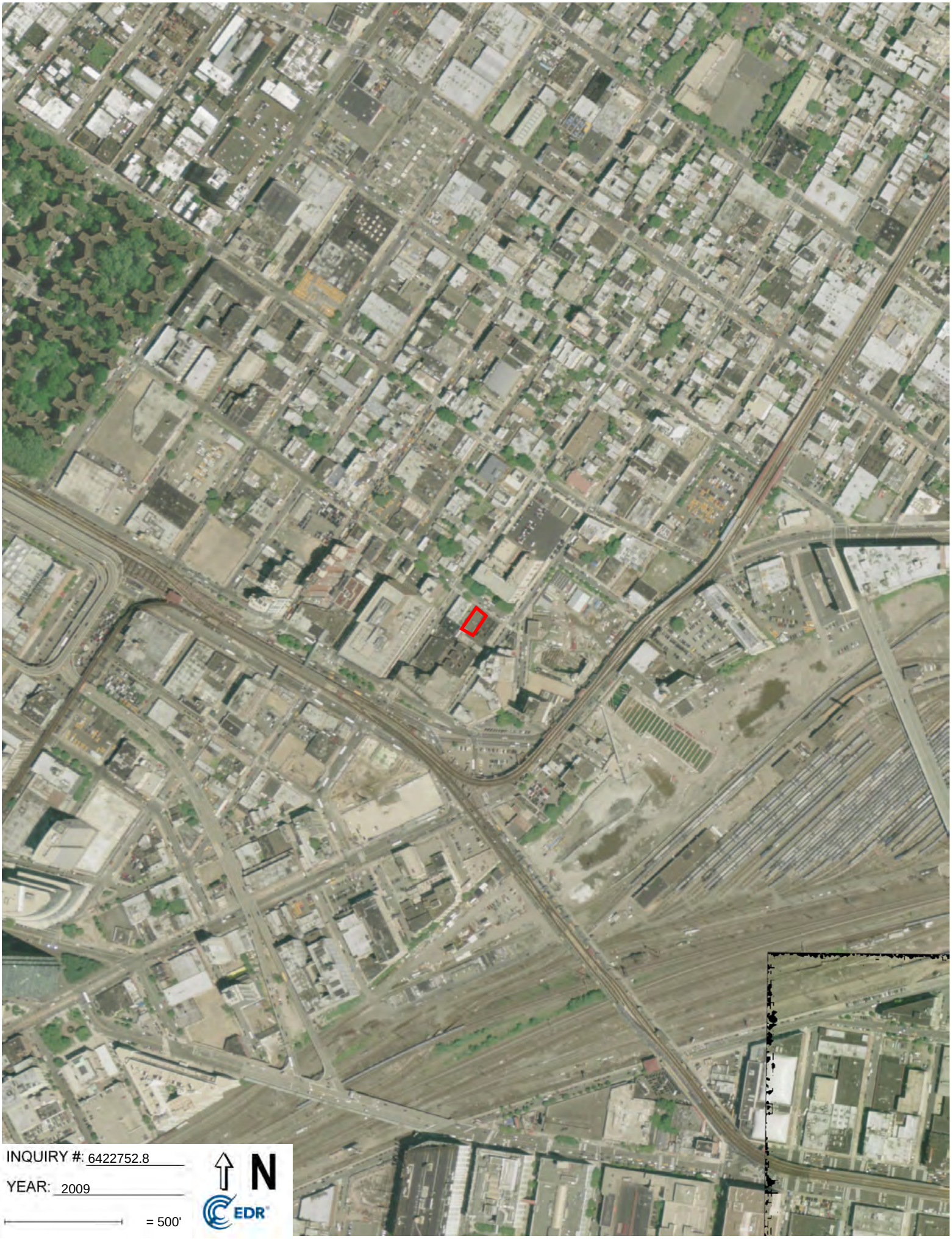
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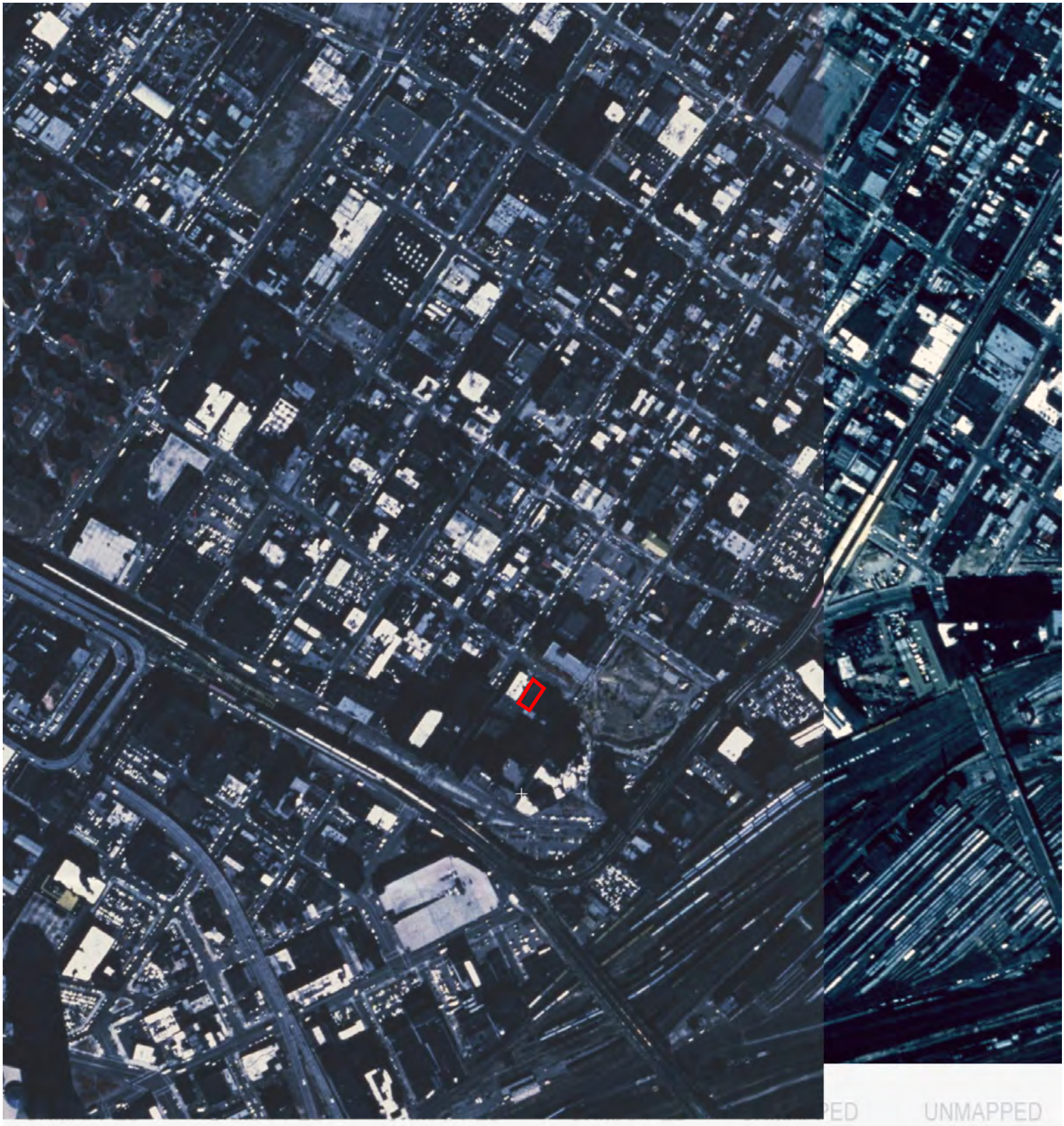
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INQUIRY #: 6422752.8
YEAR: 2017
= 500'
N
EDR


INQUIRY #: 6422752.8
YEAR: 2013
= 500'
N
EDR


INQUIRY #: 6422752.8
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 6422752.8
YEAR: 2006
= 500'
N
EDR



INQUIRY #: 6422752.8

YEAR: 1995

= 500'

N

EDR

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INQUIRY #: 6422752.8

YEAR: 1994

= 500'

N

EDR


INQUIRY #: 6422752.8
YEAR: 1991
= 500'
N
EDR


INQUIRY #: 6422752.8
YEAR: 1984
= 500'
N
EDR


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YEAR: 1980
= 500'
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EDR

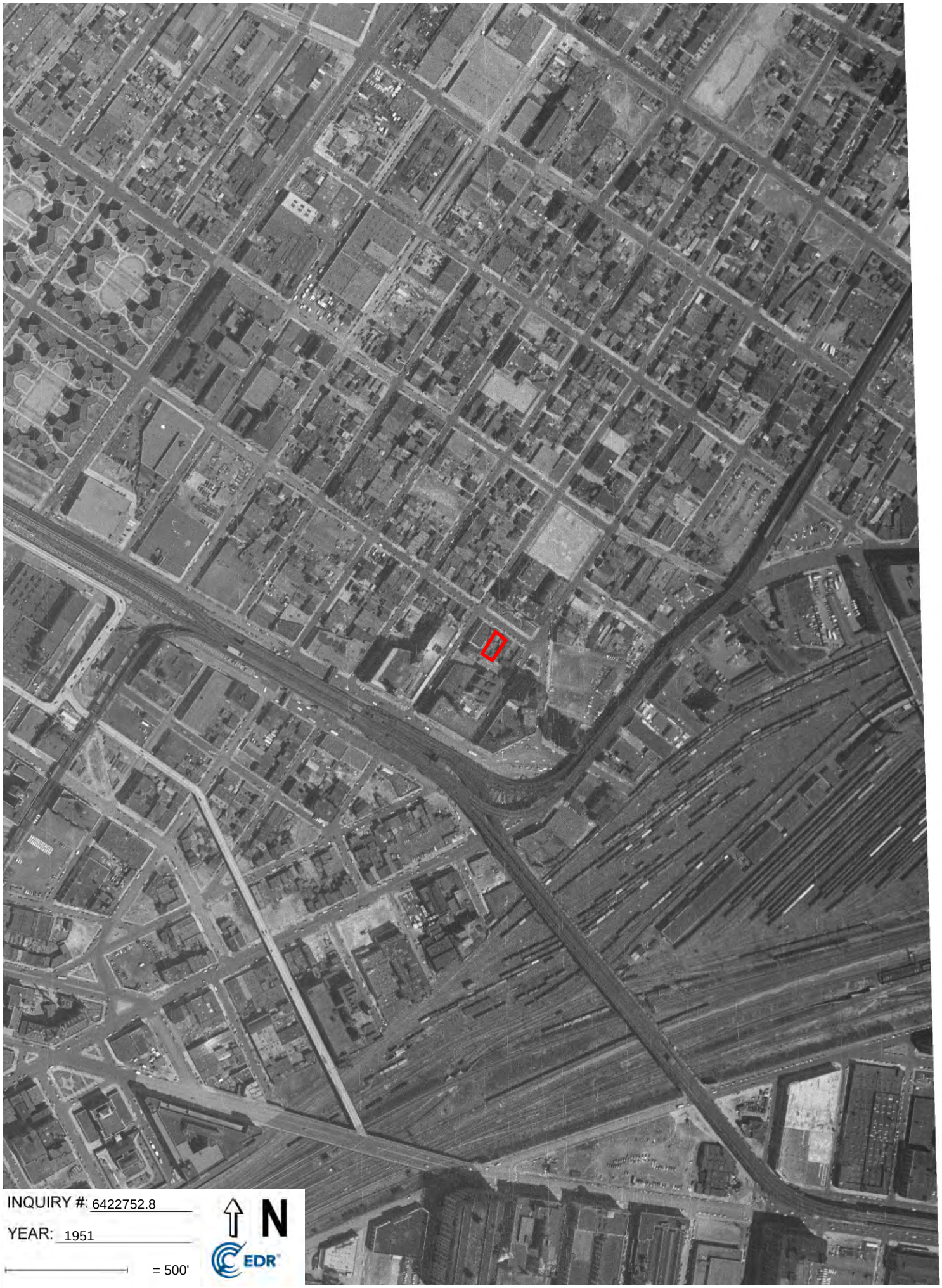

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EDR


INQUIRY #: 6422752.8
YEAR: 1974
= 500'
N
EDR

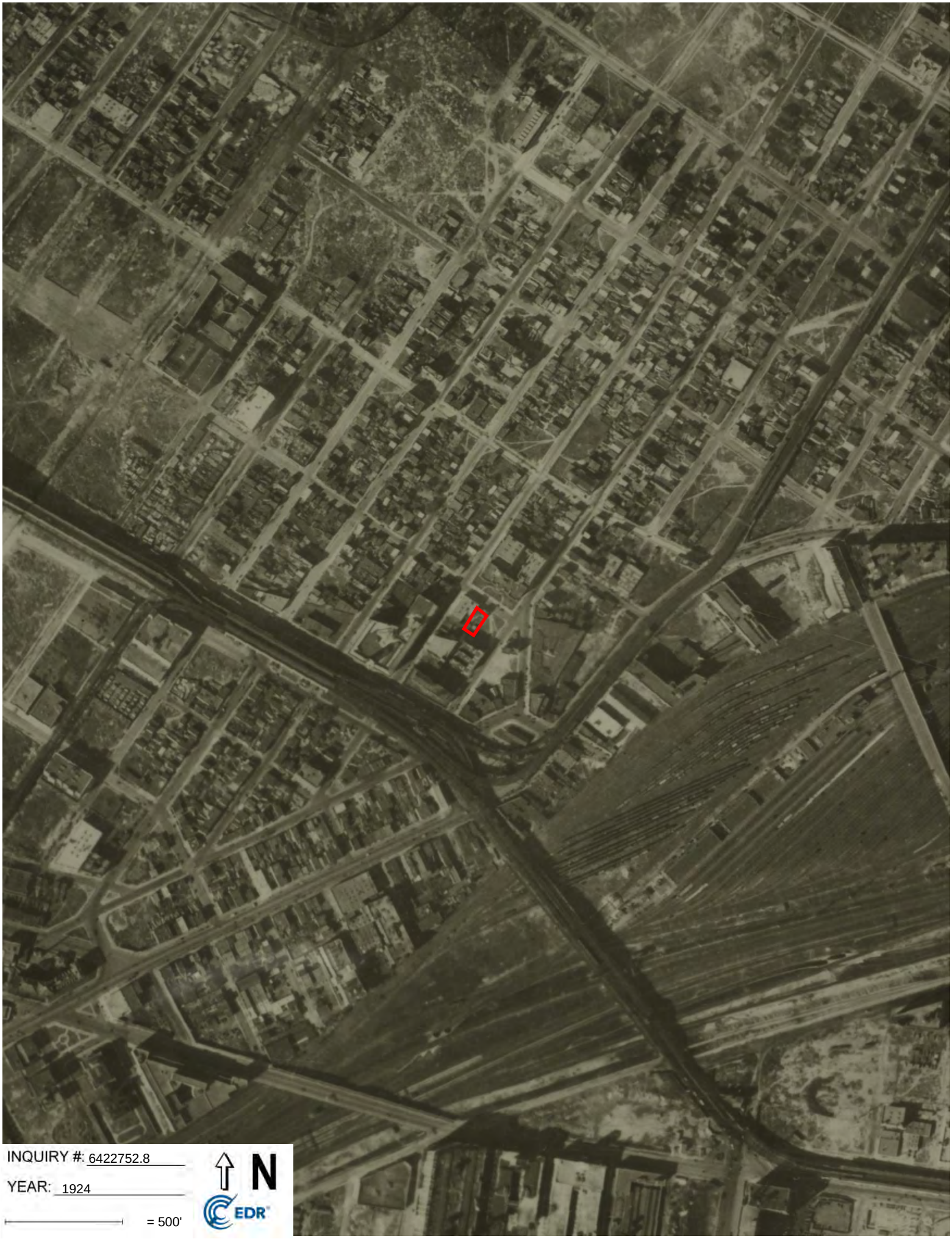

INQUIRY #: 6422752.8
YEAR: 1966
= 500'
N
EDR


INQUIRY #: 6422752.8
YEAR: 1961
= 500'
N
EDR


INQUIRY #: 6422752.8
YEAR: 1954
= 500'
N
EDR


INQUIRY #: 6422752.8
YEAR: 1951
= 500'
N
EDR


INQUIRY #: 6422752.8
YEAR: 1941
= 500'
N
EDR


INQUIRY #: 6422752.8
YEAR: 1924
= 500'
N
EDR

APPENDIX E
CITY DIRECTORY ABSTRACT

ICF2101
2812 41st Avenue
Long Island City, NY 11101

Inquiry Number: 6422752.5
March 26, 2021

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

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Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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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.

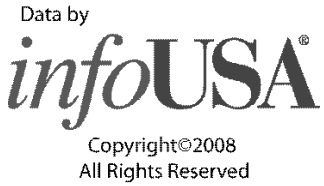
Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through 2017. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 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	-
2005	Hill-Donnelly Information Services	-	X	X	-
	Hill-Donnelly Information Services	X	X	X	-
2004	Cole Information Services	-	X	X	-
2000	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
1999	Cole Information Services	-	X	X	-
1996	NYNEX	-	X	X	-
1994	Cole Information Services	-	X	X	-
1991	NYNEX Information Resource Company	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1983	New York Telephone	-	X	X	-
1976	New York Telephone	-	X	X	-
1970	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1967	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1962	New York Telephone Directory	-	X	X	-
	New York Telephone Directory	X	X	X	-
1950	New York Telephone	-	X	X	-
1945	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1939	New York Telephone Company	-	X	X	-
	New York Telephone Company	X	X	X	-
1934	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1922	H.C. Morris	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

2812 41st Avenue
Long Island City, NY 11101

FINDINGS DETAIL

Target Property research detail.

41ST AVE

2812 41ST AVE

Year	*Uses*	*Source*
2017	WALNUT PRINTING INC	Cole Information Services
2014	WALNUT PRINTING INCORPORATED	Cole Information Services
2005	C P Trading 1 P	Hill-Donnelly Information Services
2000	Luis River	Cole Information Services
1970	Ralph Bodo	New York Telephone
1967	Ralph Bodo	New York Telephone
1962	Marshall Jennifer	New York Telephone Directory
1945	Frost Jasper	New York Telephone
	Kovarik Harold G	New York Telephone
1939	Frost Jasper	New York Telephone Company
1934	Frost Jasper B Antoineite starter Mhn	R. L. Polk & Co.
	KOVARICK Harold	R. L. Polk & Co.
	KOVARIK OTHELLA wid Chas	R. L. Polk & Co.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

25TH AVE

4106 25TH AVE

Year	Uses	Source
1939	Dugan Francis	New York Telephone Company
1934	Walsh John M	R. L. Polk & Co.
	Cronin Jas Nora electn Mhn	R. L. Polk & Co.
	Bloise Jos jr chauf	R. L. Polk & Co.

4109 25TH AVE

Year	Uses	Source
1934	Friedman Saml S Sadie electn	R. L. Polk & Co.

4110 25TH AVE

Year	Uses	Source
1970	Farina Paul	New York Telephone
1967	Farina Paul	New York Telephone
1962	Farina Paul	New York Telephone Directory
1934	Engels Frank Amelia clk	R. L. Polk & Co.
	Giacobbe Jos J	R. L. Polk & Co.
	Giacobbe Jos J jr auto mech	R. L. Polk & Co.
	Giacobbe Pasquale Mary prsmn Mhn	R. L. Polk & Co.

4111 25TH AVE

Year	Uses	Source
1991	Wehrli C	NYNEX Information Resource Company
1945	Benedum Eve	New York Telephone
1939	Barney Fannie Mrs	New York Telephone Company
1934	Heuser Chas F Victoria I plmbr	R. L. Polk & Co.
	Grunewald K Metropolitan Bakery	R. L. Polk & Co.

4112 25TH AVE

Year	Uses	Source
1967	Billings Justin A	New York Telephone
1945	Simon Harold	New York Telephone
	Curtis Ruth Mrs	New York Telephone

FINDINGS

Year	Uses	Source
1934	Burns Frank chauf	R. L. Polk & Co.
	Burns Matilda tel opr	R. L. Polk & Co.
	Byrnes Alicia	R. L. Polk & Co.
	Sheehan Mary wid Thos	R. L. Polk & Co.
	Brown Alicia atndt	R. L. Polk & Co.
	Ward Bernard J Mary E masseur	R. L. Polk & Co.

4115 25TH AVE

Year	Uses	Source
1934	Mc Clenahan Jas Elizabeth guard	R. L. Polk & Co.
	Wassmann Aug Evelyn M clk	R. L. Polk & Co.

4117 25TH AVE

Year	Uses	Source
1991	Kiefer Josephine Mrs	NYNEX Information Resource Company
1983	Kieffer Josephine Mrs	New York Telephone
1976	Kieffer Josephine Mrs	New York Telephone
1970	Kieffer Josephine Mrs	New York Telephone
1967	Kieffer Josephine Mrs	New York Telephone
1962	Kieffer Josephine Mrs	New York Telephone Directory
1945	Van Clief Wm	New York Telephone
1934	Kieffer Chas prsmn Mhn	R. L. Polk & Co.
	Kieffer Fredk atndt Bx	R. L. Polk & Co.
	Kieffer John atndt	R. L. Polk & Co.
	Kieffer John atndt Bx	R. L. Polk & Co.
	Moran Thos Kath mason	R. L. Polk & Co.
	Sl Avinsky Frank porter	R. L. Polk & Co.

4119 25TH AVE

Year	Uses	Source
1934	Doubr Ava John Minnie tourist bureau	R. L. Polk & Co.

27 ABBREV LIC

4114 27 ABBREV LIC

Year	Uses	Source
1991	A Way Out Inc	NYNEX Information Resource Company
1983	A Way Out Inc	New York Telephone

FINDINGS

27TH AVE

4019 27TH AVE

Year	Uses	Source
1976	Fasanello Geo	New York Telephone

4021 27TH AVE

Year	Uses	Source
1991	Santiago Pedro	NYNEX Information Resource Company
	Smith Will	NYNEX Information Resource Company

27TH ST

4011 27TH ST

Year	Uses	Source
1934	Hatch Winfield Josephine prod mgr	R. L. Polk & Co.
	Sklenka Jos Anna gdnr	R. L. Polk & Co.

4014 27TH ST

Year	Uses	Source
2017	LUZ MATOS	Cole Information Services
2014	LUZ MATOS	Cole Information Services
2009	TINA GRINNELL	Cole Information Services
	DULCE MATOS	Cole Information Services
2005	No Current Listing	Hill-Donnelly Information Services
2004	TINA GRINNELL	Cole Information Services
2000	Tina Gnnnell	Cole Information Services
	Luis R Bueno	Cole Information Services
1994	BUENO, LUIS R	Cole Information Services
	GRINNELL, TINA	Cole Information Services
1991	Bueno Luis R	NYNEX Information Resource Company
	Arland Pedro	NYNEX Information Resource Company
1983	Arland Pedro	New York Telephone
1976	Kapatos Dionysion	New York Telephone
	Arland Pedro	New York Telephone
1970	Deasy Denis J	New York Telephone
1967	Deasy Denis J	New York Telephone
	OByrne Ellen RN	New York Telephone
1962	Dolan Patk J	New York Telephone Directory
	OByrne Ellen RN	New York Telephone Directory

FINDINGS

Year	Uses	Source
1945	OByrne Ellen RN	New York Telephone
1939	Powell R W	New York Telephone Company
1934	Newsome Poppy sten	R. L. Polk & Co.
	Adametz Anton Mary lab	R. L. Polk & Co.
	Newsome Bert tester	R. L. Polk & Co.
	OByrno Bartholomew Helen mach Mhn	R. L. Polk & Co.
	OByrno Helen Mrs grad nurse	R. L. Polk & Co.

4015 27TH ST

Year	Uses	Source
2004	INDUSTRIAL RESTORATION CO	Cole Information Services
2000	Indstrl Restor Co	Cole Information Services
1999	INDUSTRIAL RESTORATION COMPANY INCORPORATED	Cole Information Services
1994	INDUSTRIAL RESTORATION CO INC	Cole Information Services
1991	INDUSTRIAL RESTORATION CO INC	NYNEX Information Resource Company
1983	INDUSTRIAL RESTORATION CO INC	New York Telephone
1976	Industrial Restoration Co Inc	New York Telephone
	ACADEMY WATRPRFNG & CLNG CORP	New York Telephone
1962	Sartori John C	New York Telephone Directory
	MASTER DRUG DELIVRY INC	New York Telephone Directory
	Fogarty Wm b	New York Telephone Directory

4016 27TH ST

Year	Uses	Source
1945	Biasa Angela	New York Telephone
1934	Biaso Jos hlpr	R. L. Polk & Co.
	Biaso Jas Mary ice Mhn	R. L. Polk & Co.

4019 27TH ST

Year	Uses	Source
2017	OSCAR CRUZ	Cole Information Services
2014	ANGELA GUTIERRE	Cole Information Services
	LAWRENCE CERULLO	Cole Information Services
	OSCAR CRUZ	Cole Information Services
2009	CARLOS GUTIERREZ	Cole Information Services
	LAWRENCE CERULLO	Cole Information Services
	AMI HUBBARD	Cole Information Services
2005	h Gutierrez Carlos J 3 V	Hill-Donnelly Information Services
2004	CARLOS GUTIERREZ INC	Cole Information Services

FINDINGS

Year	Uses	Source
2004	DESPINA KILIMITZOGLOU	Cole Information Services
	CARLOS GUTIERREZ	Cole Information Services
	MEG FRODEL	Cole Information Services
	LAWRENCE CERULLO	Cole Information Services
	DOUGLAS ESSELMANN	Cole Information Services
2000	M Tadder	Cole Information Services
1994	TADDEI, M	Cole Information Services
1991	Taddei M	NYNEX Information Resource Company
	Taddeo A	NYNEX Information Resource Company
1983	Taddei M	New York Telephone
1967	Taddei V	New York Telephone
1962	Milani Jos	New York Telephone Directory
1945	Taddei V	New York Telephone
1939	Taddei V	New York Telephone Company
1934	Moroney Danl Annie wtchmn	R. L. Polk & Co.
	Taddei Andrew Eugrnie cook	R. L. Polk & Co.
	Taddei Angelina drsmkr	R. L. Polk & Co.
	Taddei Anthony auto mech	R. L. Polk & Co.
	Taddei Mary clk	R. L. Polk & Co.

4020 27TH ST

Year	Uses	Source
2014	LENA FALLON	Cole Information Services
1934	Fischer Jacob Henrietta auto mech gh	R. L. Polk & Co.
	Napoli Guat Ave Anna	R. L. Polk & Co.

4021 27TH ST

Year	Uses	Source
2017	TARZ VELEZ	Cole Information Services
2014	JOSE VELEZ	Cole Information Services
2005	No Current Listing	Hill-Donnelly Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
1991	Cruz F	NYNEX Information Resource Company
1983	Cruz Jose	New York Telephone
	Cruz Jose	New York Telephone
1976	Cruz Jose	New York Telephone
1970	Cruz Jose	New York Telephone
	Velez Jose E	New York Telephone
1967	Cruz Jose	New York Telephone

FINDINGS

Year	Uses	Source
1967	Velez Jose E	New York Telephone
1962	Veles Jose E	New York Telephone Directory
	Cruz Jose	New York Telephone Directory
1945	Buick John	New York Telephone
1939	Mavrovich Mary E Mrs	New York Telephone Company
1934	Buick John Antionette	R. L. Polk & Co.
	Buick Nancy Indry hlpr	R. L. Polk & Co.
	Hallinan Jas Lillian lab	R. L. Polk & Co.

4029 27TH ST

Year	Uses	Source
2017	GREWAL LIMOUSINE INC	Cole Information Services
	AMART EXPRESS	Cole Information Services
	CHAPMAN & EVANS	Cole Information Services
	AMART ENTERPRISES INC	Cole Information Services
	ELYNX CABLE	Cole Information Services
	VILLAGE CROWN	Cole Information Services
2014	AMART ENTERPRISES INCORPORATED	Cole Information Services
	ELYNX CABLE	Cole Information Services
	GREWAL LIMOUSINE INCORPORATED	Cole Information Services
	FHC MORTGAGE	Cole Information Services
	INTRAKT LIMITED LIABILITY COMPANY	Cole Information Services
	CHAPMAN & EVANS	Cole Information Services
	VILLAGE CROWN	Cole Information Services
2009	ROYCE MANAGEMENT	Cole Information Services
	ALIGN FINANCIAL SERVICE	Cole Information Services
	CHAPMAN & EVANS INC	Cole Information Services
	FIRST HISPANIC COMMUNITY MORTGAGE IN	Cole Information Services
2005	Packam Tobacco Co Inc	Hill-Donnelly Information Services
	Chapman & Evans	Hill-Donnelly Information Services
	Best Opal Co	Hill-Donnelly Information Services
2004	CHAPMAN & EVANS INC	Cole Information Services
	BEST OPAL CO	Cole Information Services
	ROYCE MANAGEMENT	Cole Information Services
	PACKAM TOBACCO CO	Cole Information Services
	ELYNXCABLE INC	Cole Information Services
2000	Dormafi Sicilias	Cole Information Services
	Best Opal Co	Cole Information Services

FINDINGS

Year	Uses	Source
2000	Chapman & Evans	Cole Information Services
1999	VENUS ELEVATOR INDUSTRIES CORPORATION	Cole Information Services
	VENUS INDUSTRIES INCORPORATED	Cole Information Services
	CHAPMAN & EVANS	Cole Information Services
1994	LEICHTER, JERRY	Cole Information Services
	VENUS ELEVATOR CORP	Cole Information Services
	RADIO-TV CONTACT SVCE	Cole Information Services
	VENUS ELEVATOR INDUSTRIES CORP	Cole Information Services
	T V PRO-LOG	Cole Information Services
	ROSS REPORTS TELEVISION	Cole Information Services
	VENUS INDUSTRIES INC	Cole Information Services
	MEDIA NEWS KEYS	Cole Information Services
	TELEVISION INDEX INC	Cole Information Services
1991	Leichter Jerry	NYNEX Information Resource Company
	Media News Keys	NYNEX Information Resource Company
	Radio TV Contact Svce	NYNEX Information Resource Company
	Ross Reports Television	NYNEX Information Resource Company
	T V Pro Log	NYNEX Information Resource Company
	Television Index Inc	NYNEX Information Resource Company
	Venus Elevator Corp	NYNEX Information Resource Company
	Venus Elevator Industries Corp	NYNEX Information Resource Company
	VENUS INDUSTRIES INC	NYNEX Information Resource Company
1983	Identical Form Inc artfcl breasts	New York Telephone
	Venus Elevator Corp	New York Telephone
	Venus Elevator Industries Corp	New York Telephone
	VENUS INDUSTRIES INC	New York Telephone
1976	Ehasz Engnrng Co PC	New York Telephone
	Ehasz Frank L consltg engnr	New York Telephone
1970	Ehasz Frank L consltg engnr	New York Telephone
1967	Ehasz Frank L consltg engnr	New York Telephone
1962	Ehasz Frank L consitg engnr	New York Telephone Directory
	Montanaro Frank B archt	New York Telephone Directory
	Zoller Harold P archt	New York Telephone Directory
1945	Schmidt Richd clng & dyeing	New York Telephone
1939	Schmidt Richd clng & dyeing	New York Telephone Company
1934	Schmidt Richd Rose elng and dyeing	R. L. Polk & Co.

FINDINGS

4031 27TH ST

Year	Uses	Source
1945	Billerbeck Walter	New York Telephone
1934	Kotting Aug jr barber Mhn	R. L. Polk & Co.
	Kotting Aug Adele clnr	R. L. Polk & Co.
	Billerbek Waldo Anna lab	R. L. Polk & Co.

4033 27TH ST

Year	Uses	Source
1934	Strnad Jos	R. L. Polk & Co.
	Strnad Emil	R. L. Polk & Co.
	Strnad Antonio lab	R. L. Polk & Co.
	Stinad Caroly nclk	R. L. Polk & Co.
	Strnad Vincent ctr	R. L. Polk & Co.

4037 27TH ST

Year	Uses	Source
2017	WILLIAM MELO	Cole Information Services
2009	BELINDA SANCHEZ	Cole Information Services
2005	No Current Listing	Hill-Donnelly Information Services
2004	WILLIAM MALPICA	Cole Information Services
2000	William Malpic	Cole Information Services
1991	Millan G 22	NYNEX Information Resource Company
	Millan Fred	NYNEX Information Resource Company
1983	Vega J	New York Telephone
1976	Corrado Ann M	New York Telephone
1970	Griffin L	New York Telephone
	Corrado Ann M	New York Telephone
1967	Smedile Anthony	New York Telephone
1962	Smedile Anthony	New York Telephone Directory
	Kamerer Fredk W Sr	New York Telephone Directory
1934	Delacorta Philomena wid Anthony	R. L. Polk & Co.
	Scisci Peter Felicia lab	R. L. Polk & Co.
	Chafone Chas Carmale Bells Napoli Restaurant	R. L. Polk & Co.
	Delacorta Philomena wid Anthony	R. L. Polk & Co.

4039 27TH ST

Year	Uses	Source
2017	JESSICA PARKER	Cole Information Services
	CHING LIU	Cole Information Services

FINDINGS

Year	Uses	Source
2014	BILLY CHEN	Cole Information Services
	CHING LIU	Cole Information Services
	SILVESTRE GALLARDO	Cole Information Services
2009	SYED KAYES	Cole Information Services
	MONTAZ ALI	Cole Information Services
2005	Romero Claudio v	Hill-Donnelly Information Services
	Basher Muhammad	Hill-Donnelly Information Services
2004	MOHAMMED EMARA	Cole Information Services
	MOHAMMAD HOGUE	Cole Information Services
	MAHAMMID HAMID	Cole Information Services
1994	KOCH, KARL	Cole Information Services
1991	Koch Karl	NYNEX Information Resource Company
1967	Trevaskis Jos W	New York Telephone
1962	Kennedy Georgia	New York Telephone Directory
	Trevaskis Jos W	New York Telephone Directory
1934	Bradley Wm	R. L. Polk & Co.

4040 27TH ST

Year	Uses	Source
2005	h Giannotti Aifred Av	Hill-Donnelly Information Services
	h Fallon L Av	Hill-Donnelly Information Services
2004	LENA FALLON	Cole Information Services
2000	Alfred Giannotti	Cole Information Services
	Harold Fallon	Cole Information Services
1994	GIANNOTTI, ALFRED	Cole Information Services
	FALLON, HAROLD	Cole Information Services
1991	Giannotti Alfred	NYNEX Information Resource Company
	Fallon Harold	NYNEX Information Resource Company
1983	Giannotti Alfred	New York Telephone
	Fallon Harold	New York Telephone
1976	Giannotti Alfred	New York Telephone
	Fallon Harold	New York Telephone
1970	Fallon Harold	New York Telephone
	Giannotti Alfred	New York Telephone
1967	Fallon Harold	New York Telephone
	Giannotti Alfred	New York Telephone
1962	Fallon Harold	New York Telephone Directory
1939	Gionetty Alfred	New York Telephone Company
1934	Gionetty Alf barber	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Gionetty Anthony teleg opr	R. L. Polk & Co.
	Gionetty Marie sten	R. L. Polk & Co.

4041 27TH ST

Year	Uses	Source
2000	41ST AV INTS FROM	Cole Information Services
	Eastern Thrml Crp	Cole Information Services
1999	EASTERN THERMAL CORPORATION	Cole Information Services
1994	EASTERN METAL FABRICATORS	Cole Information Services
1991	Eastern Metal Fabricators	NYNEX Information Resource Company
1983	Eastern Metal Fabricators	New York Telephone
1976	Eastern Metal Fabricators	New York Telephone
1967	Thermal Designers Inc	New York Telephone
1962	Internatl Foil	New York Telephone Directory
	Allison Textile Co	New York Telephone Directory
1945	Vic Const Corp	New York Telephone
1934	Prospect Street Auto Service RTN Auretta Popovich Frank Birillo	R. L. Polk & Co.

4106 27TH ST

Year	Uses	Source
1939	Schlesenger J D advtg	New York Telephone Company

4108 27TH ST

Year	Uses	Source
2005	3 S Color Inc	Hill-Donnelly Information Services
2004	JS COLOR INC	Cole Information Services

4112 27TH ST

Year	Uses	Source
1962	Ray X Products Inc x ray supp	New York Telephone Directory
1939	Ray X Products Inc x ray supp	New York Telephone Company

4114 27TH ST

Year	Uses	Source
2017	BENNI & APOSS LIMOUSINE SERVICE	Cole Information Services
2014	BENNI&APOSS LIMOUSINE SERVICE	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
	QUANTUM ENERGY DEVICES LLC	Cole Information Services
1994	CANAAN PRINTING	Cole Information Services

FINDINGS

Year	Uses	Source
1983	Save Lite Co	New York Telephone
	Chemopex Ltd	New York Telephone
1976	Family Planning Center Supply Corp	New York Telephone
	Gynechemie	New York Telephone
	Bethlehen Family Planning	New York Telephone
	Chemopex Ltd	New York Telephone
	Chemopex Ltd	New York Telephone
1970	Bell Craig Inc phrmcutcls	New York Telephone
	Hospitaline Inc	New York Telephone
1967	Bell Craig Inc pnrmcutcis	New York Telephone
	Hospitaline Inc	New York Telephone
1962	Essex Hse Coffee Co	New York Telephone Directory
	Lacas Coffee Co	New York Telephone Directory
	VASSILAROS JOHN A & SON INC ofc	New York Telephone Directory
1945	Auslander Geo b	New York Telephone
	Fcty	New York Telephone
	Public Svce Heat & Power Co Inc	New York Telephone
1939	Auslander Geo b	New York Telephone Company
	Public Serv Heat & Power Co Inc	New York Telephone Company
1934	Michel Edw exp and moving	R. L. Polk & Co.
	Storage & Shipping Co Geo Warehouse Co Inc	R. L. Polk & Co.

4115 27TH ST

Year	Uses	Source
2000	Bridge Rehab Clnc	Cole Information Services
1999	BRIDGE PLAZA TREATMENT & REHABILITATION CLINIC	Cole Information Services
	JONES MICHEAL DR INTERNIST	Cole Information Services
1994	ADDICTION MANAGEMENT SYSTEMS	Cole Information Services
	BRIDGE PLAZA TREATMENT & REHABILITATION CLINIC	Cole Information Services
	BRADY, R	Cole Information Services
1991	Bridge Plaza Treatment & Rehabilitation Clinic	NYNEX Information Resource Company
	Brady R Dr	NYNEX Information Resource Company
1983	Bridge Plaza Treatment & Rehabilitation Clinic	New York Telephone
1962	Generators Motors Transformers	New York Telephone Directory
	X Ray Dept	New York Telephone Directory

FINDINGS

4118 27TH ST

Year	Uses	Source
2017	41 18 27 ST LLC	Cole Information Services
	VINNIE NGUYEN	Cole Information Services
	SUSANNA HO	Cole Information Services
	MATTHEW MAGGIACOMO	Cole Information Services
	DONG YAO	Cole Information Services
	TRACY XU	Cole Information Services
	CHUN YIM	Cole Information Services
2014	PUBLISHERSNEWSPAPER & MAIL DELIVERE	Cole Information Services
2009	PUBLISHERS NEWSPAPER & MAIL DELIVERI	Cole Information Services
2004	NEWSPAPER & MAIL DLVRY UNION	Cole Information Services
2000	Nwsppr & Mail Union	Cole Information Services
	Pblshrs Nswppr & MI	Cole Information Services
1999	PUBLISHERS NEWSPAPER & MAIL DELIVERERS WELFARE FUND	Cole Information Services
	NEWSPAPER & MAIL DELIVERERS UNION	Cole Information Services
1994	PUBLISHERS-NEWSPAPER & MAIL DELIVERERS WELFARE FUND	Cole Information Services
	NEWSPAPER & MAIL DELIVERERS UNION	Cole Information Services
1991	Newspaper & Mail Deliverers Union	NYNEX Information Resource Company
	Publishers Newspaper & Mail Deliverers Welfare Fund	NYNEX Information Resource Company
1983	Publishers Newspaper & Mail Deliverers Welfare Fund	New York Telephone
	Newspaper & Mail Deliverers Union	New York Telephone
1934	Didion Chas F Kath P slsmn	R. L. Polk & Co.
	Vreeland Richd slsmn	R. L. Polk & Co.
	Vreeland Valentine H Bertha S real est and ins	R. L. Polk & Co.

4119 27TH ST

Year	Uses	Source
2005	Tishman Technologies 1 P	Hill-Donnelly Information Services
1999	BERT CAOILE PHOTO STUDIOS	Cole Information Services
	PICS ELATED GRAPHICS	Cole Information Services
1994	PICS ELATED GRAPHICS	Cole Information Services
	BERT CAOILE PHOTO STUDIOS	Cole Information Services
1945	McGowan Charlotte Mrs	New York Telephone

FINDINGS

Year	Uses	Source
1934	Arbogast Alphonse D Margt M toolmkr	R. L. Polk & Co.

4120 27TH ST

Year	Uses	Source
2004	OCCUPANT UNKNOWN	Cole Information Services
2000	John J Orteg	Cole Information Services
1994	ORTEGA, JOHN J	Cole Information Services
1991	Ortega John J	NYNEX Information Resource Company
1970	Perotti Meda A Mrs	New York Telephone
1967	Perotti Meda A Mrs	New York Telephone
1962	Perotti Meda A Mrs	New York Telephone Directory
1934	Perotti Allen P Meda A typoographical dept	R. L. Polk & Co.

4121 27TH ST

Year	Uses	Source
2005	Stargate Electrical Contrs Inc	Hill-Donnelly Information Services
2000	Franta Nedved	Cole Information Services
	Strgt Electrl Inc	Cole Information Services
1991	Wholesale Dstrbtrs Inc	NYNEX Information Resource Company
1983	Atlantic Evens Corp	New York Telephone
	JRH Marketing Svces Inc	New York Telephone
	Vivona Rob	New York Telephone
	WHOLESALE DSTRBTRS INC	New York Telephone
1976	Atlantic Evens Corp	New York Telephone
	Bridge Plaza Treatment & Rehabilitation Clinic	New York Telephone
1970	Biermann Fredc C prntr	New York Telephone
	Herbst J G prfamrs	New York Telephone
	Laval Andre Labs	New York Telephone
	Orlandi Frank Inc prntrs & prfumrs	New York Telephone
1967	Herbst J G prfumrs	New York Telephone
	Biermann Fredc C prntr	New York Telephone
	Orlandi Frank Inc prfumrs	New York Telephone
	Orlandi Frank Inc prntr	New York Telephone
	Laval Andre Labs	New York Telephone
1945	Arbogast A	New York Telephone
1939	Arbogast A	New York Telephone Company
	Arbuckle Bros Ft Jay Bklyn CU mbrlnd 63600	New York Telephone Company

FINDINGS

Year	Uses	Source
1934	Hurley John J bridge opr dept P & S	R. L. Polk & Co.
	Russell Danl F jr Elizabeth V marine capt	R. L. Polk & Co.
	Russell Sarah F wid Wm I	R. L. Polk & Co.
	Russell Wm F clk	R. L. Polk & Co.

4122 27TH ST

Year	Uses	Source
2014	VICTOR CHAN	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	FOLLOW UP HEALTH STUDY	Cole Information Services
	ADDICTION MANAGEMENT SYSTEMS INCORPORATED	Cole Information Services
1994	NATIONAL DEVELOPMENT & RESEARCH INSTITUTES INC	Cole Information Services
1983	United Food Commisary Ltd	New York Telephone
1970	Jewels Lounge	New York Telephone
1967	Jaffe Herbert Inc sewg machs	New York Telephone
1962	Gildersleeve Harry hrdwr	New York Telephone Directory
	Jaffe Herbert Inc sewg machs	New York Telephone Directory
	Mulligan Mary P	New York Telephone Directory
	Norton Door Closer Co	New York Telephone Directory
1945	Emco Tool & Engnrng Co	New York Telephone
	Quinn Hugh J	New York Telephone
1939	Lossack Gaynor Corpn L	New York Telephone Company
1934	Quinn Hugh J Laura D news dlr	R. L. Polk & Co.
	OReilly Jos D treas Lossek Gaynor Cerp	R. L. Polk & Co.
	Egan Lawrence P Margt lab	R. L. Polk & Co.
	Fisher John E v pres Vossack Gaynor Corp	R. L. Polk & Co.
	Lossack Gaynor Corp NY Richd Lossack pres John E Fisher v pres Arth S Gaynor sec Jos D O Reilly treas engineers and contrs	R. L. Polk & Co.

4124 27TH ST

Year	Uses	Source
1939	Kohlmeier Geo T entertainment bureau	New York Telephone Company

4125 27TH ST

Year	Uses	Source
1976	La Rocco S	New York Telephone

FINDINGS

4126 27TH ST

Year	*Uses*	*Source*
2017	KENICHI ASANO	Cole Information Services
	CHAE DO S	Cole Information Services
	SHIHO OGASAWARA	Cole Information Services
	CODY STEELE	Cole Information Services
	JOHNNY WU	Cole Information Services
	TATSUYA YAMAMOTO	Cole Information Services
	WEI FENG	Cole Information Services
	YUKI HAYASHI	Cole Information Services
	ANDREA LAM	Cole Information Services
	MICHELLE LEE	Cole Information Services
	MING LI	Cole Information Services
	PAUL NASH	Cole Information Services
	KAMBIZ AFGHAHI	Cole Information Services
	ANDREA ARMAS	Cole Information Services
	KWOK CHAN	Cole Information Services
	IULIAN CONSTANTIN	Cole Information Services
	KYONG KANG	Cole Information Services
	PETER PANAGOULIAS	Cole Information Services
	WILLIAM SEEMAN	Cole Information Services
	JULIA SHOMENTA	Cole Information Services
	CHRISTOPHER SMITH	Cole Information Services
	NATHANIEL BATTEY	Cole Information Services
	ZHOU JIAYAN	Cole Information Services
	IKUO KAMADA	Cole Information Services
	JUNG KIM	Cole Information Services
	MARTIN MOY	Cole Information Services
	SAI SUN	Cole Information Services
	COURTNEY TAM	Cole Information Services
	JULIE TRINH	Cole Information Services
	IRA DO	Cole Information Services
	PETER LEE	Cole Information Services
	HEE YU	Cole Information Services
	ONUR BUYUKDEGIRMENCI	Cole Information Services
	WENJIE CHEN	Cole Information Services
	NOEL DENNIS	Cole Information Services
	DAVID RAMIREZ	Cole Information Services
	HELIO ANJOS	Cole Information Services

FINDINGS

Year	*Uses*	*Source*
2017	HIDEYUKI GOJIMA	Cole Information Services
	KIM KYUN	Cole Information Services
	LINYING LIU	Cole Information Services
	VEDAD OSMANOVIC	Cole Information Services
	MARINA KUBO	Cole Information Services
	HENRY LEE	Cole Information Services
	KEVIN NG	Cole Information Services
	RESOBOX	Cole Information Services
	SEITO TRADING	Cole Information Services
	BOS ENTERTAINMENT INC	Cole Information Services
	HAN HOON	Cole Information Services
2014	KENICHI ASANO	Cole Information Services
	BOS ENTERTAINMENT INCORPORATED	Cole Information Services
	WEI FENG	Cole Information Services
	JEANETTE ENG	Cole Information Services
	KANG HAN	Cole Information Services
	YUKI HAYASHI	Cole Information Services
	YANRUI HUANG	Cole Information Services
	UGUR OZDEMIR	Cole Information Services
	GLYNNIS STOOT	Cole Information Services
	PAUL NASH	Cole Information Services
	KAMBIZ AFGHAHI	Cole Information Services
	ANDREA ARMAS	Cole Information Services
	MARY BEHAN	Cole Information Services
	KWOK CHAN	Cole Information Services
	AARON CHEN	Cole Information Services
	IULIAN CONSTANTIN	Cole Information Services
	AMY HAN	Cole Information Services
	KYONG KANG	Cole Information Services
	WILLIAM SEEMAN	Cole Information Services
	KATHERINE THOMPSON	Cole Information Services
	JUDE MAROVIC	Cole Information Services
	PETER PANAGOULIAS	Cole Information Services
	JAMES REED	Cole Information Services
	NATHANIEL BATTEY	Cole Information Services
	VICTORIA BURKE	Cole Information Services
	LUCIAN CONSTANTIN	Cole Information Services
	LAWRENCE HON	Cole Information Services

FINDINGS

Year	Uses	Source
2014	JUNG KIM	Cole Information Services
	COURTNEY TAM	Cole Information Services
	JULIE TRINH	Cole Information Services
	ADRIAN CABRERO	Cole Information Services
	IRA DO	Cole Information Services
	JUNKO IKUTA	Cole Information Services
	ALFRED NAZARI	Cole Information Services
	HEE YU	Cole Information Services
	CLEUSINARA ANDRADE	Cole Information Services
	CHI CHAO	Cole Information Services
	MEREDITH COOPER	Cole Information Services
	NOEL DENNIS	Cole Information Services
	CONSTANTIN IULIAN	Cole Information Services
	BRANDY CAUDILL	Cole Information Services
	JOHNSON HO	Cole Information Services
	VEDAD OSMANOVIC	Cole Information Services
	BORIS SHALJANIN	Cole Information Services
	SERAFINA SUMARGO	Cole Information Services
	YUKARI YAMAMOTO	Cole Information Services
	HENRY LEE	Cole Information Services
	S SUH	Cole Information Services
	HIROYUKI TANINA	Cole Information Services
	TIANHUA WEN	Cole Information Services
	KEVIN NG	Cole Information Services
	ANUBHAV RICHARDS	Cole Information Services
	RESOBOX	Cole Information Services
	SEITO TRADING	Cole Information Services
	TATSUYA YAMAMOTO	Cole Information Services
2009	BOS ENTERTAINMENT INC	Cole Information Services
	IRA DO	Cole Information Services
	JUNKO IKUTA	Cole Information Services
	ALEXANDER MOTAMED	Cole Information Services
	BRIJESH GOYAL	Cole Information Services
	CLEUSINARA ANDRADE	Cole Information Services
	JOHNSON HO	Cole Information Services
	YOUNG KIM	Cole Information Services
	MICHAEL INSALACO	Cole Information Services
	WILLIAM BEHAN	Cole Information Services

FINDINGS

Year	*Uses*	*Source*
2009	VEDAD OSMANOVIC	Cole Information Services
	FUMINO OGAWA	Cole Information Services
	SERAFINA SUMARGO	Cole Information Services
	NAOMI YASUDA	Cole Information Services
	LEE SOO	Cole Information Services
	MADELEINE GRUEN	Cole Information Services
	ANUBHAV RICHARDS	Cole Information Services
	TATSUYA YAMAMOTO	Cole Information Services
	NAOMICHI YASUDA	Cole Information Services
	JAJUN KOO	Cole Information Services
	KAREN LEE	Cole Information Services
	SONYA YIM	Cole Information Services
	ANNA GOFMAN	Cole Information Services
	GLYNNIS STOOT	Cole Information Services
	PETER PANAGOULIAS	Cole Information Services
	KWOK CHAN	Cole Information Services
	JUDE MAROVIC	Cole Information Services
	NHO DO	Cole Information Services
	KRISHNA GURUNG	Cole Information Services
	KYONG KANG	Cole Information Services
	KAMBIZ AFGHAHI	Cole Information Services
	NATHANIEL BATTEY	Cole Information Services
	MIGUEL ARMAS	Cole Information Services
	MICHAEL CHAU	Cole Information Services
	JULIE TRINH	Cole Information Services
	CHARLES THOMPSON	Cole Information Services
	HEE YU	Cole Information Services
	JIA CHERN	Cole Information Services
	VALERIA CASTELLI	Cole Information Services
	CKOHN LIU	Cole Information Services
2000	Wheel Prts & Mfg Co	Cole Information Services
	String Intrntl Crp	Cole Information Services
	Shaw Teresa B Mrs	Cole Information Services
	Algava Henry	Cole Information Services
1999	WHEEL PARTS & MANUFACTURING COMPANY INCORPORATED	Cole Information Services
	ALGAVA HENRY A	Cole Information Services
	STERLING INDUSTRIES INCORPORATED	Cole Information Services

FINDINGS

Year	Uses	Source
1999	SHAW TERESA B MRS	Cole Information Services
1994	WHEEL PARTS & MFG CO INC	Cole Information Services
	SHAW, TERESA B	Cole Information Services
	STERLING INTERNATIONAL CORP-WAREHSE	Cole Information Services
	ALGAVA, HENRY A	Cole Information Services
	STERLING INTERNATIONAL CORP	Cole Information Services
1991	Shaw Teresa B Mrs	NYNEX Information Resource Company
	Sterling International Corp	NYNEX Information Resource Company
	Warehse	NYNEX Information Resource Company
	Wheel Parts & Mfg Co Inc	NYNEX Information Resource Company
	Algava Henry A	NYNEX Information Resource Company
1983	Shaw Teresa B Mrs b	New York Telephone
	Sterling Internatl Corp	New York Telephone
	Warehse	New York Telephone
	Wheel Parts & Mfg Co Inc	New York Telephone
1976	Algava Henry A b	New York Telephone
1970	Shaw Teresa B Mrs b	New York Telephone
	Sterling Internatl Corp	New York Telephone
	Warehse	New York Telephone
	U S Indstries Exprts	New York Telephone
	Wheel Parts & Mfg Co Inc	New York Telephone
	Algava Henry A b	New York Telephone
1962	Architectural Ceilings Inc	New York Telephone Directory
1945	Kohlmeier J M Inc hdwre	New York Telephone
1939	Kohlmeier J M Inc hdwre	New York Telephone Company
1934	Kohlmeier J M Inc NY cap over $1 000 John M Kohlmeier pres Geo T Kohlmeier v pres Mrs Caroline Aichele sec Mrs Caroline Kohlmeier treas hdwe ret	R. L. Polk & Co.
	Aichele Caroline Mrs sec J M Kohlmeier Inc	R. L. Polk & Co.

4127 27TH ST

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Information Services
1934	Battistella Fedele Elvira brklyr hlpr	R. L. Polk & Co.

4130 27TH ST

Year	Uses	Source
2004	OCCUPANT UNKNOWN	Cole Information Services

FINDINGS

Year	Uses	Source
2000	Loizos Knstntns	Cole Information Services
1999	LOIZOS KONSTANTINOS	Cole Information Services
1994	LOIZOS KONSTANTINOS	Cole Information Services
1934	Train Richd Margt elev opr	R. L. Polk & Co.
	Mc Dowell Henry Hannah elev opr	R. L. Polk & Co.

4132 27TH ST

Year	Uses	Source
2014	ATLANTIC PRECIOUS METAL CASTING	Cole Information Services
	OMEGA CAST LLC	Cole Information Services
	ATLANTIC PRECIOUS	Cole Information Services
2009	ATLANTIC PRECIOUS METAL CASTING	Cole Information Services
	ALA COSTINGS	Cole Information Services
	ALA CASTING CO INC	Cole Information Services
	OMEGA CASTING CORP	Cole Information Services
2005	Ivi Corp	Hill-Donnelly Information Services
	Atlantic Precious Metal Cstng	Hill-Donnelly Information Services
2004	ATLANTIC PRECIOUS METAL CSTNG	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2000	IVI Corp	Cole Information Services
	Victor Mrk NYC Co	Cole Information Services
1999	IVI CORPORATION	Cole Information Services
1994	IVI CORP	Cole Information Services
	LENAL FASHIONS INC	Cole Information Services
1991	ME & CAROLINES INC	NYNEX Information Resource Company
	Ivi Corp	NYNEX Information Resource Company
1983	Interior View Inc	New York Telephone
1976	Emilene Dress Co Inc	New York Telephone
1970	Seminole Furn Shops Inc	New York Telephone
	Emilene Dress Co Inc	New York Telephone
1967	Seminole Furn Shops Inc	New York Telephone
	Emilene Dress Co Inc	New York Telephone
1962	Emilene Dress Co Inc	New York Telephone Directory
1945	Fashion Warst Co	New York Telephone
	Guttilla Vito waists	New York Telephone
	Lasette Frank B Inc plumbg	New York Telephone
1939	Fried & Schnipper coat mfr	New York Telephone Company
	Lasette Frank B Inc plumbg	New York Telephone Company
	Modern Plmbg Co	New York Telephone Company

FINDINGS

Year	Uses	Source
1939	Fcty	New York Telephone Company
1934	Lasette Frank B Inc NY cap $25 000 Frank B Lasette pres Jas H SAvage v pres sec plmbr	R. L. Polk & Co.

4134 27TH ST

Year	Uses	Source
1999	P R FASHION INCORPORATED	Cole Information Services
1994	MONRO FASHION INC	Cole Information Services
1991	Sing Sang Song Fashion Ltd	NYNEX Information Resource Company
1983	Cassette Recording Corp	New York Telephone
1976	Cassetta Recording Corp	New York Telephone
1962	Queensbridge Lanes	New York Telephone Directory

4135 27TH ST

Year	Uses	Source
2000	4142 NP	Cole Information Services

4136 27TH ST

Year	Uses	Source
2009	FLOATING HOSPITAL	Cole Information Services
2005	Steinway Child/family Svc Inc	Hill-Donnelly Information Services
2004	STEINWAY CHILD & FAMILY SRVC	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1999	STEINWAY CHILD & FAMILY SVCES INCORPORATED	Cole Information Services
	STEINWAY CHILD AND FAMILY SVCES INCORPORATED	Cole Information Services
1994	STEINWAY CHILD & FAMILY SVCES INC	Cole Information Services
1962	No	New York Telephone Directory

4138 27TH ST

Year	Uses	Source
1991	Canaan Printing	NYNEX Information Resource Company
1983	Canaan Printing Inc	New York Telephone
1976	Denlo Business Svce	New York Telephone
1970	Denlo Business Syce	New York Telephone
1967	Denlo Business Svce	New York Telephone
1962	Denlo Business Svce	New York Telephone Directory

FINDINGS

4140 27TH ST

Year	Uses	Source
1999	HOUSE OF SCHILLER	Cole Information Services
1983	House Of Schiller	New York Telephone
1976	HOUSE OF SCHILLER	New York Telephone
1970	House of Seagram Inc The	New York Telephone
	HOUSE OF SCHILLER	New York Telephone
1967	Melco Decratrs Inc	New York Telephone
	House of Seagram Inc The	New York Telephone
	House of Schiller	New York Telephone

4146 27TH ST

Year	Uses	Source
1970	Queens Plaza Opticians	New York Telephone
	Queens Plaza Optical Labs	New York Telephone
	Optical Originals Inc	New York Telephone
	Optical Originals Inc	New York Telephone
	Optical Originals Inc	New York Telephone
	Jolt Leon Optical Co Inc	New York Telephone
1967	Magnetic Analysis Corp	New York Telephone
	Magnet Bar & Grill	New York Telephone
1962	Magnet Bar & Grill	New York Telephone Directory

4155 27TH ST

Year	Uses	Source
2004	MUMTAZ MIAN	Cole Information Services

28D

4021 28D

Year	Uses	Source
1934	National Cost Apron & Towol Co Inc NY cap $10 000 Moses LAvy pres treas Sarah Levy v pres Jas Patten see	R. L. Polk & Co.

4127 28D

Year	Uses	Source
1934	Ring Jas anna clk	R. L. Polk & Co.

FINDINGS

28TH AVE

4001 28TH AVE

Year	Uses	Source
1991	Ontiveros J M	NYNEX Information Resource Company
	Mracek Nancy	NYNEX Information Resource Company
1934	Reff Maurice Anna dentist	R. L. Polk & Co.

4002 28TH AVE

Year	Uses	Source
1991	Wassel Jawed	NYNEX Information Resource Company
1934	Record Wm blpr	R. L. Polk & Co.
	Record Theresa wid Elmer	R. L. Polk & Co.
	Record Geo taxi driver	R. L. Polk & Co.
	Holley Rudolph Rugina climber and pruner	R. L. Polk & Co.
	German American Barber Shop Wm Hoing and Fred Fautz barber	R. L. Polk & Co.
	Goldman Bernett Tessie mesterr	R. L. Polk & Co.

4003 28TH AVE

Year	Uses	Source
1934	Argenzio Nicholas Mary shoe reprs	R. L. Polk & Co.

4005 28TH AVE

Year	Uses	Source
1970	Vitos Deli & Catering	New York Telephone
1967	Cordes Martin delcatesn	New York Telephone
1962	Cordes Martin delcatesn	New York Telephone Directory
1945	Pfenninger Herman delcatesn	New York Telephone
1939	Silberman Bertha Mrs grocry	New York Telephone Company
1934	Silberman Matthew Bertha gro ret	R. L. Polk & Co.

4008 28TH AVE

Year	Uses	Source
1934	Astoria Meat Market TN Morris Goldstein	R. L. Polk & Co.
	Goldstein Morris Sarah meats	R. L. Polk & Co.

4010 28TH AVE

Year	Uses	Source
1991	Queens Painting Co	NYNEX Information Resource Company
1976	A & C International Co	New York Telephone

FINDINGS

Year	Uses	Source
1976	Cleveland Air Forwarding Inc	New York Telephone
1967	Gale Carburetors	New York Telephone
1962	Gale Carburetors	New York Telephone Directory
1934	Schwartz Fredk Ida cigars	R. L. Polk & Co.

4011 28TH AVE

Year	Uses	Source
1945	Mendell Maxwell Leo statnry	New York Telephone
1939	Ratner I statnry	New York Telephone Company
1934	Ratner Isadore Belle stationer	R. L. Polk & Co.
	Ratner Dorothy clk	R. L. Polk & Co.
	Boris Geo E Margt Tri Boro Cleaners & Tailors	R. L. Polk & Co.

4013 28TH AVE

Year	Uses	Source
1934	Marchand Richd F Esther electn	R. L. Polk & Co.
	Petersen Emily mlnr	R. L. Polk & Co.
	Marchand Emma S food checker	R. L. Polk & Co.
	Petersen Lucy	R. L. Polk & Co.
	Petersen Cresentia wid Peter	R. L. Polk & Co.

4015 28TH AVE

Year	Uses	Source
1934	Tri Boro Auto Repair TN Wm Eckert	R. L. Polk & Co.

4017 28TH AVE

Year	Uses	Source
1991	Astoria Auto Repair Inc	NYNEX Information Resource Company
1983	K & H Sales & Svce	New York Telephone
1976	K & H Sales & Svce	New York Telephone
1970	K & H Sales & Svce	New York Telephone
1967	K & H Sales & Svce	New York Telephone
1962	K & H Sales & Svce	New York Telephone Directory
1945	Sachse P & Sons Auto Dealer shw rm	New York Telephone
1939	Sachse P & Sons serv sta	New York Telephone Company
	Sachse P & Sons Auto Dealer show rm	New York Telephone Company
1934	Sachse P & Sons TN Paul C Harry & Frank Sachse Wm P Mark auto dlrs	R. L. Polk & Co.

FINDINGS

4102 28TH AVE

Year	Uses	Source
1991	Petrakis Irene DDS	NYNEX Information Resource Company
1983	Mollohan Russell	New York Telephone
1967	Galson Harry S prkg lot	New York Telephone
1962	Galson Harry S prkg lot	New York Telephone Directory
1945	Tri Bridge Lumbr Co	New York Telephone
	Tri Boro Lumbr & Supl Co	New York Telephone

4106 28TH AVE

Year	Uses	Source
1991	Ikonomou Kyriakos V	NYNEX Information Resource Company
1983	Ikonomou Kyriakos V	New York Telephone
	Whitley Vincent A	New York Telephone

4107 28TH AVE

Year	Uses	Source
1991	Carr M P	NYNEX Information Resource Company
	Jahan Selna	NYNEX Information Resource Company
	Magda A	NYNEX Information Resource Company
	Roldan Norma	NYNEX Information Resource Company
	Vardamaskos Pota	NYNEX Information Resource Company
1983	Almona Salvatore	New York Telephone
	Carr M P	New York Telephone
	Medzadurian Karekin	New York Telephone
	Moran Martin	New York Telephone
1970	Almona Salvatore	New York Telephone
	Duffy Dan	New York Telephone
	Medzadurian Karekin	New York Telephone
	Stephan Otto	New York Telephone
	White Donald E	New York Telephone
1967	Duffy Danl	New York Telephone
	McArdle M	New York Telephone
	Stephan Otto	New York Telephone
	White Donald E	New York Telephone
1962	McArdle Mary	New York Telephone Directory
	Stephan Otto	New York Telephone Directory
	White Donald E	New York Telephone Directory
1945	Butler Ann	New York Telephone
	Whealen Mary E	New York Telephone

FINDINGS

Year	Uses	Source
1934	Tierney Thos chauf	R. L. Polk & Co.
	Bondy Francis S Rose A chauf	R. L. Polk & Co.
	Casey Patk Anna examiner	R. L. Polk & Co.
	Dolan E Mary mach	R. L. Polk & Co.
	Fetterer Wm V Gertrude city firemnb	R. L. Polk & Co.
	Likow Geo clk	R. L. Polk & Co.
	Likow John Hermine lab	R. L. Polk & Co.
	Mc Auliffe Jos	R. L. Polk & Co.
	Mc Auliffe Timothy Elizabeth wtchmn	R. L. Polk & Co.
	Mc Pherson Alf G slsmn	R. L. Polk & Co.
	Mc Pherson Alf G slsmn	R. L. Polk & Co.
	Nasella Fredk Anna slsmn	R. L. Polk & Co.
	Oderwald Wm Ruth lab	R. L. Polk & Co.
	OMalley Wm Annie stmftr hlpr	R. L. Polk & Co.
	Rowlett Jos chauf	R. L. Polk & Co.
	Sanda Jos Bertha baker	R. L. Polk & Co.
	Smith Wm Mary eng	R. L. Polk & Co.
	Sotack Jos Ilona mach	R. L. Polk & Co.
	Stoffel Ernest H Helen auto mech	R. L. Polk & Co.
	Tiernan Ann wid Michl	R. L. Polk & Co.

4108 28TH AVE

Year	Uses	Source
1991	Frankel R	NYNEX Information Resource Company
	Ye Zuyuan	NYNEX Information Resource Company

4110 28TH AVE

Year	Uses	Source
1991	Falconieri M	NYNEX Information Resource Company

4111 28TH AVE

Year	Uses	Source
1996	FUENTES Abel	NYNEX
1991	Argiroudis Dimitnos	NYNEX Information Resource Company
	Burgado Nivia	NYNEX Information Resource Company
	Diaz Catherine	NYNEX Information Resource Company
	Gaetani N L	NYNEX Information Resource Company
	Ghauri Abdulsamad	NYNEX Information Resource Company
	Gleason J	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Gonzalez D	NYNEX Information Resource Company
	Kontavos Petros	NYNEX Information Resource Company
1983	Argiroudis Dimitrios	New York Telephone
	Gaetani N L	New York Telephone
	Gleason J	New York Telephone
	Gregory M	New York Telephone
	Kontavos Petros	New York Telephone
1976	Getani N L	New York Telephone
	Galvin R	New York Telephone
	Gleason J	New York Telephone
	Gregory M	New York Telephone
1970	Galvin R	New York Telephone
	Gleason Jane Mrs	New York Telephone
	Gregory M A	New York Telephone
	Partridge C F	New York Telephone
	Williams Oscar C	New York Telephone
1967	Gaetani Nicholas L	New York Telephone
	Gleason Jane Mrs	New York Telephone
	Gregory Mary B	New York Telephone
	Partridge C F	New York Telephone
	Williams Oscar C	New York Telephone
1962	Barnes S Miss	New York Telephone Directory
	Gleason Jane Mrs	New York Telephone Directory
	Gregory Mary B	New York Telephone Directory
	Williams Oscar C	New York Telephone Directory
1945	Gallagher Anne	New York Telephone
1939	Dunn Catherine M	New York Telephone Company
1934	Benke Harry Evelyn mach	R. L. Polk & Co.
	Demacsek Helen manicruist	R. L. Polk & Co.
	Don Avan Jas Jane chauf	R. L. Polk & Co.
	Dunn Cath M msngr	R. L. Polk & Co.
	Dunn Jas J night wtchmn	R. L. Polk & Co.
	Dunn Jas J city police	R. L. Polk & Co.
	Dunn Thos P clk	R. L. Polk & Co.
	Farley John Kath tile hlpr	R. L. Polk & Co.
	Gallagher John Sadie lab	R. L. Polk & Co.
	Hohl Geo J Anna E clk	R. L. Polk & Co.
	Keeshan Danl J chauf	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Keeshan Wm Sarah checker	R. L. Polk & Co.
	Laibach Peter Mary police	R. L. Polk & Co.
	Murphy Anna mach opr	R. L. Polk & Co.
	Murphy John cash	R. L. Polk & Co.
	Nelson Oscar Sarah cond Mhn	R. L. Polk & Co.
	Parlato DAvid Anna ironwkr	R. L. Polk & Co.
	Polizio Herbert Edith plshr	R. L. Polk & Co.
	Quinn Sarah clk	R. L. Polk & Co.
	Ryan Agnes wid Jos	R. L. Polk & Co.
	Ryan Virginia clk	R. L. Polk & Co.
	Spinelli Anthony Gilda tailor	R. L. Polk & Co.
	Sullivan Danl Mabel chauf	R. L. Polk & Co.
	Valentine Jos Jennie lab	R. L. Polk & Co.
	Velgado Josephine wid Francisco	R. L. Polk & Co.
	Velgado Thos Theresa elev opr	R. L. Polk & Co.

4112 28TH AVE

Year	Uses	Source
1991	Veinovich Basil	NYNEX Information Resource Company

4116 28TH AVE

Year	Uses	Source
1991	Kim Eun Ki	NYNEX Information Resource Company
	Chu Kwang Ho	NYNEX Information Resource Company
1983	Pak Y K	New York Telephone
	Kim Eun Ki	New York Telephone
	Chang Nackchil	New York Telephone

4120 28TH AVE

Year	Uses	Source
1991	Yuen Hock Shing	NYNEX Information Resource Company
	Lopez Hector	NYNEX Information Resource Company
	Lopez Hector	NYNEX Information Resource Company
	Tzannakos Timotheos	NYNEX Information Resource Company
1983	Sing Yuen Hong	New York Telephone

FINDINGS

28TH AVENUE AS TNRA 40901ST ST

4107 28TH AVENUE AS TNRA 40901ST ST

Year	Uses	Source
1962	Rynn Francis	New York Telephone Directory

28TH ST

3937 28TH ST

Year	Uses	Source
2005	St Patricks Religious Edctn	Hill-Donnelly Information Services
	Sisters Of St Joseph	Hill-Donnelly Information Services
	Public School 17a	Hill-Donnelly Information Services
	Elementary School 149a	Hill-Donnelly Information Services
1991	St Patricks Religious Education Office	NYNEX Information Resource Company
	Sisters of St Joseph	NYNEX Information Resource Company
1983	St Patricks Religious Education Office	New York Telephone
	Sisters of St Joseph	New York Telephone
1970	Sister Louis Marie	New York Telephone
	Sisters of St Joseph	New York Telephone
1962	Sister M Protase	New York Telephone Directory
1945	Sisters of St Joseph	New York Telephone
1939	Sisters of St Joseph	New York Telephone Company
1934	Saint Patricks School Sister Jos Marie prin Parochial sch	R. L. Polk & Co.

3950 28TH ST

Year	Uses	Source
1934	Thoman Jas waiter	R. L. Polk & Co.

3986 28TH ST

Year	Uses	Source
1934	Hennelly John Mary furn rms	R. L. Polk & Co.

3990 28TH ST

Year	Uses	Source
1967	Miggiani Kathrine	New York Telephone

4001 28TH ST

Year	Uses	Source
2000	Psychic Rdngs D	Cole Information Services

FINDINGS

4002 28TH ST

Year	Uses	Source
2009	VU KIM	Cole Information Services
	VASILIOS BOGIATZIS	Cole Information Services
1934	Smith Theresa Mrs clk	R. L. Polk & Co.

4010 28TH ST

Year	Uses	Source
2000	Stivros Furniture	Cole Information Services
1999	CLEVELAND AIR FORWARDING INCORPORATED	Cole Information Services
	STAVROS FURNITURE	Cole Information Services

4012 28TH ST

Year	Uses	Source
2017	JAMES RADUCZ	Cole Information Services
	USPF	Cole Information Services
	PLATINUM CONNECTIONS	Cole Information Services
2014	AGASSI NAKHAPETIAN	Cole Information Services
	USPF	Cole Information Services
	PLATINUM CONNECTIONS	Cole Information Services
	PLATINUM HOME HEALTH SERV	Cole Information Services
2009	ARCHITRON DESIGNERS & BUILDERS INC	Cole Information Services
	PLATINUM CONNECTIONS	Cole Information Services
	AVALON ENTERPRISES	Cole Information Services
	STRUCTURES ENGINEERING TCH P	Cole Information Services
	EAST SIDE GLASS CO INC	Cole Information Services
	AGASSI NAKHAPETIAN	Cole Information Services
2005	Architron Designers & Builders	Hill-Donnelly Information Services
	Avalon Enterprises Mfg i 10718361 5578 oo	Hill-Donnelly Information Services
	Nakhapetian Agassi v	Hill-Donnelly Information Services
	Structural Engineering Tech	Hill-Donnelly Information Services
2004	ARCHITRON DESIGNERS & BUILDERS INC	Cole Information Services
	GJC STRUCTURES	Cole Information Services
2000	Structures PC	Cole Information Services
	Ar Archtrn Bldrs Inc	Cole Information Services
1999	ARCHITRON DESIGNERS & BUILDERS INCORPORATED	Cole Information Services
	G J C STRUCTURES PC	Cole Information Services

FINDINGS

Year	Uses	Source
1994	EBERHART CONST CO INC	Cole Information Services
1991	Eberhart Const Co Inc	NYNEX Information Resource Company
1970	Allman Marie J Mrs	New York Telephone
1967	Allman Marie J Mrs	New York Telephone
1962	Talbot Constance	New York Telephone Directory
1945	Allman Marie J Mrs	New York Telephone
1939	Allman Marie J Mrs	New York Telephone Company
	Allmann Fred R Edgerton Blvd RE pubic 93847	New York Telephone Company
1934	Allman Ralph Marie chauf	R. L. Polk & Co.

4014 28TH ST

Year	Uses	Source
2017	ARCHITRON DESIGNERS & BUILDERS INC	Cole Information Services
	MGC PROPERTIES INC	Cole Information Services
	STRUCTURAL ENGINEERING TECHNOLOGIES	Cole Information Services
	STRUCTURAL EGGNEERING TECHNOLOGY PC	Cole Information Services
2014	ARCHITRON DESIGNERS & BUILDERS INC	Cole Information Services
	STRUCTURAL ENGINEERING TECHNOLOGIES	Cole Information Services
	MGC PROPERTIES INCORPORATED	Cole Information Services
	STRUCTURAL EGGINEERING TECHNOLOGY PC	Cole Information Services
2005	Architron Environmental Svces	Hill-Donnelly Information Services
	GJC Structures PC P	Hill-Donnelly Information Services
2000	Pella Const Co	Cole Information Services
1999	PELLA CONSTRUCTION COMPANY	Cole Information Services
1970	Palomba Rocco M	New York Telephone
	Meade G	New York Telephone
1967	Palomba Rocco M	New York Telephone
	Meade G	New York Telephone
1962	Allman Marie J Mrs	New York Telephone Directory
1934	Edw Matie mech	R. L. Polk & Co.
	Birnbaum Jos Charlotte asst eng Bd of Trans	R. L. Polk & Co.

FINDINGS

4016 28TH ST

Year	Uses	Source
2017	VASSILI BALKAN	Cole Information Services
	BALKAN GEORGES	Cole Information Services
2014	BALKAN GEORGES	Cole Information Services
	VASSILI BALKAN	Cole Information Services
2009	FOUR SEASONS PURE FOODS INC	Cole Information Services
	GEORGES BALKIN	Cole Information Services
2005	H Balkan George AV	Hill-Donnelly Information Services
	Balkan George	Hill-Donnelly Information Services
	Balkan George	Hill-Donnelly Information Services
2004	FOUR SEASONS PURE FOODS INC	Cole Information Services
	GEORGE BALKAN	Cole Information Services
2000	George Balkan	Cole Information Services
	George Balkan	Cole Information Services
	George Balkan	Cole Information Services
1994	BALKAN, GEORGE	Cole Information Services
1970	Smith Wm J	New York Telephone
1967	Smith Wm J	New York Telephone
1962	Smith Wm J	New York Telephone Directory
1934	Hetrick Dora fcty wkr	R. L. Polk & Co.
	Reifenheiser Henry Madeleine H chauf	R. L. Polk & Co.
	Porter Alton E Johanna S artist	R. L. Polk & Co.

4017 28TH ST

Year	Uses	Source
1999	ASTORIA AUTO REPAIR INCORPORATED	Cole Information Services

4018 28TH ST

Year	Uses	Source
2017	PATRICIA TOMASULO	Cole Information Services
2014	MICHAEL MCGANN	Cole Information Services
2009	M MCGANN	Cole Information Services
2005	No Current Listing	Hill-Donnelly Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
2000	Marks	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
1994	MARKS, E J	Cole Information Services
1934	Carson Edw Caroline street clnr	R. L. Polk & Co.

FINDINGS

4022 28TH ST

Year	Uses	Source
2017	WILLIAM SORENSEN	Cole Information Services
2014	WILLIAM SORENSEN	Cole Information Services
2009	WILLIAM SORENSEN	Cole Information Services
2005	H Sorensen Doris AV	Hill-Donnelly Information Services
2004	WILLIAM SORENSEN	Cole Information Services
2000	Doris Sorensen	Cole Information Services
1994	SORENSEN, DORIS	Cole Information Services
1983	Ringhoff Peter G	New York Telephone
1976	Cavanna Paul rl est	New York Telephone
1970	Cavanna Paul rl est	New York Telephone
1962	Cioffi Frank A	New York Telephone Directory
1934	Vopat Chas marblewkr	R. L. Polk & Co.
	Vopat Geo carrier	R. L. Polk & Co.
	Vopat Mary wid Jos	R. L. Polk & Co.

4024 28TH ST

Year	Uses	Source
1970	McDonnell Wm C	New York Telephone

4026 28TH ST

Year	Uses	Source
2017	LONG LOCKSMITH	Cole Information Services
	28TH ST PLUMBING & HEATING	Cole Information Services
	CATEDRAL D ADORACAO	Cole Information Services
2014	28TH ST PLUMBING & HEATING	Cole Information Services
2009	SAGAR RESTAURANT & PARTY CENTER	Cole Information Services
	CELEBRITY LIMOUSINE SERVICE INC	Cole Information Services
2005	Celebrity Limousine Svc Inc	Hill-Donnelly Information Services
	Sagar Restaurant & Party Ctr	Hill-Donnelly Information Services
2004	M SPOTORNO	Cole Information Services
2000	Park Av Elew Dsgns	Cole Information Services
	Shattered Auto Gls	Cole Information Services
	Clbrty Limo Svce	Cole Information Services
1999	CELEBRITY LIMOUSINE SVCE INCORPORATED	Cole Information Services
	SHARP LIMOUSINE SERVICE	Cole Information Services
	CELEBRITY LIMOUSINE SVCE INCORPORATED	Cole Information Services

FINDINGS

Year	Uses	Source
1999	SHATTERED AUTO GLASS	Cole Information Services
	DOUBLE A LIMOUSINE SVE LIMITED	Cole Information Services
1994	SHATTERED AUTO GLASS	Cole Information Services
1991	Jacobs Engnrng Co	NYNEX Information Resource Company
	Metal & Marble Refinishers Inc warehouse	NYNEX Information Resource Company
1983	GASCO ELEC MOTORS INC	New York Telephone
1976	C Christinason Inc	New York Telephone
1967	HAMILTON BCH MC DIV OF SCOVILL MFG CO	New York Telephone
	Hamilton Beach Co Div of Scovill Mfg Co electrcl aplncs	New York Telephone
	Reading Elec Colnc	New York Telephone

4030 28TH ST

Year	Uses	Source
1970	Brenna Mary Mrs	New York Telephone
	Lorenzo Michl	New York Telephone
1967	Brenna Mary Mrs	New York Telephone
	Lorenzo Michl	New York Telephone
1962	Lorenzo D	New York Telephone Directory
	Brenna Mary Mrs	New York Telephone Directory
1945	Lorenzo D	New York Telephone
1939	Lorenzo D	New York Telephone Company
1934	Brenna Anthony Mary slsmn	R. L. Polk & Co.
	Lorenzo John F mailer	R. L. Polk & Co.
	Lorenzo Elizabeth Wis Salvatore	R. L. Polk & Co.
	Brenna Sebastian elev opr	R. L. Polk & Co.
	Brenna Mildred	R. L. Polk & Co.

4032 28TH ST

Year	Uses	Source
2017	RICHARD MADRID	Cole Information Services
2014	PAOCHUNG LU	Cole Information Services
2009	CHAN HO	Cole Information Services
2005	Lu Paochung	Hill-Donnelly Information Services
	Ho Chan Song v	Hill-Donnelly Information Services
	Fang Kaman Av	Hill-Donnelly Information Services
	H Fang Jiabao & Gia Bao v	Hill-Donnelly Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
2000	Jianing Fang	Cole Information Services

FINDINGS

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services
1994	REYES, A	Cole Information Services
1991	Reyes A	NYNEX Information Resource Company
1962	Demos Theresa Mrs	New York Telephone Directory

4034 28TH ST

Year	Uses	Source
2017	MINERVA GAMARRA	Cole Information Services
	RICHARD MADRID	Cole Information Services
2014	JOSEPH TAYLOR	Cole Information Services
	ROMMEL CIRO	Cole Information Services
	ROBERT RODRIGUEZ	Cole Information Services
	MINERVA GAMARRA	Cole Information Services
2009	ROMMEL CIRO	Cole Information Services
2005	h Ciro Madrid v	Hill-Donnelly Information Services
	Dobreva Nevena v	Hill-Donnelly Information Services
	h Madrid Oro AO	Hill-Donnelly Information Services
	Madrid Rosemale M	Hill-Donnelly Information Services
2004	ROSEMAIE MADRID	Cole Information Services
	MADRID CIRO	Cole Information Services
2000	Ciro Madrid	Cole Information Services
1994	MADRID, CIRO	Cole Information Services
1991	Madrid Ciro	NYNEX Information Resource Company
1983	Brow Constructors Inc	New York Telephone
	Madrid Ciro	New York Telephone
1976	Madrid Ciro	New York Telephone
	Madrid Rodriguez S	New York Telephone
1970	Mazza Florenzo	New York Telephone
1962	Paccione Thos	New York Telephone Directory
1945	Gianatasio Mildred Mrs	New York Telephone
	Paccione Leo	New York Telephone
1939	Paccione L statnry	New York Telephone Company
1934	Brenna Antonie confr	R. L. Polk & Co.
	Lorenzo Frank confr	R. L. Polk & Co.
	Paccione Leo Mollie icemn	R. L. Polk & Co.

4038 28TH ST

Year	Uses	Source
1945	LI Amusement & Phonograph Co	New York Telephone

FINDINGS

Year	Uses	Source
1934	Mills Eleanora wid Alex J	R. L. Polk & Co.
	Gottlieb Adam	R. L. Polk & Co.

4040 28TH ST

Year	Uses	Source
1934	Grogan Margt wid Chas	R. L. Polk & Co.
	Marra John garage hlpr	R. L. Polk & Co.

4046 28TH ST

Year	Uses	Source
2017	JENNINGS CO INC	Cole Information Services
	GLASS MARVIN LTD	Cole Information Services
	GREEN BEAR CONSTRUCTORS INC	Cole Information Services
2014	GREEN BEAR CONSTRUCTORS INCORPORATED	Cole Information Services
	JENNINGS COMPANY INCORPORATED	Cole Information Services
2009	GREEN BEAR CONSTRUCTORS INC	Cole Information Services
	MARVIN GLASS LTD	Cole Information Services
	JENNINGS CO INC	Cole Information Services
2005	Paperwork Technology Corp	Hill-Donnelly Information Services
	Green Bear Constructors Inc	Hill-Donnelly Information Services
	Jennings Co Inc	Hill-Donnelly Information Services
	Marvin Glass LTD	Hill-Donnelly Information Services
2004	MARVIN GLASS LIMITED	Cole Information Services
	GREEN BEAR CONSTRUCTORS INC	Cole Information Services
2000	Glass Marvin Ltd	Cole Information Services
	Green Br Cnstrctrs	Cole Information Services
	Jenniags Co Inc	Cole Information Services
	Paprwrk Techlgy Crp	Cole Information Services
	41ST AVE INTS FROM	Cole Information Services
1999	JENNINGS COMPANY INCORPORATED	Cole Information Services
	GREEN BEAR CONSTRUCTORS INCORPORATED	Cole Information Services
	GLASS MARVIN LIMITED	Cole Information Services
	PAPERWORK TECHNOLOGY CORPORATION	Cole Information Services
	K & A CANDY STORE	Cole Information Services
1994	GREEN BEAR CONSTRUCTORS INC	Cole Information Services
	GLASS MARVIN LTD	Cole Information Services
	JENNINGS CO INC	Cole Information Services

FINDINGS

Year	Uses	Source
1994	PAPERWORK TECHNOLOGY CORP	Cole Information Services
	K & A CANDY STORE	Cole Information Services
1991	Glass Marvin Ltd	NYNEX Information Resource Company
	Green Bear Constructors Inc	NYNEX Information Resource Company
	Jennings Co Inc	NYNEX Information Resource Company
	K & A Candy Store	NYNEX Information Resource Company
	Paperwork Technology Corp	NYNEX Information Resource Company
1983	Green Bear Constructors Inc	New York Telephone
	Glass Marvin Ltd	New York Telephone
	Jennings Co Inc	New York Telephone
	Nealco Corp	New York Telephone
	Neway Album Inc	New York Telephone
	Paperwork Technology Corp	New York Telephone
1976	Jennings Co Inc	New York Telephone
	Green Bear Constructors Inc	New York Telephone

4106 28TH ST

Year	Uses	Source
2000	Zoe Pilios	Cole Information Services

4107 28TH ST

Year	Uses	Source
2009	DIANA PEREZ	Cole Information Services
2000	Mahmud Hossain	Cole Information Services
	Mohammed Ensad	Cole Information Services

4108 28TH ST

Year	Uses	Source
2000	Tatsuya Saijo	Cole Information Services

4110 28TH ST

Year	Uses	Source
2000	Khalid Belhachmi	Cole Information Services

4111 28TH ST

Year	Uses	Source
2017	H & L ELECTRIC	Cole Information Services
2014	H & L ELECTRIC	Cole Information Services
	ANGEL PERALTA	Cole Information Services
	SAPAL CHOTE	Cole Information Services

FINDINGS

Year	Uses	Source
2014	FRANK DEVLIN	Cole Information Services
2009	FRANK DEVLIN	Cole Information Services
	MARTHA FLORES	Cole Information Services
	N GAETANI	Cole Information Services
	ROSEMARIE CLANCY	Cole Information Services
	SAPAL CHOTE	Cole Information Services
2005	H&L Electric	Hill-Donnelly Information Services
2004	H & L ELECTRIC INC	Cole Information Services
	CITIWIDE TECHS CORP	Cole Information Services
2000	Gurdev Ram	Cole Information Services
	Todays Techlgy Inc	Cole Information Services
	H & L Electric	Cole Information Services
	Citiwide Techs	Cole Information Services
	Satpal Singh	Cole Information Services
	Satpal Singh	Cole Information Services
	Bhupindr Singh	Cole Information Services
1999	H & L ELECTRIC	Cole Information Services
1994	RIMCO AIR CONDITIONING CO	Cole Information Services
	INDOOR ENVIRONMENTAL AIR QUALITY INC	Cole Information Services
	RIMCO	Cole Information Services
1991	Parkway Cooling Co Inc	NYNEX Information Resource Company
	RIMCO AIR CONDITIONING CO	NYNEX Information Resource Company
	System Monitoring Svces Services Ltd	NYNEX Information Resource Company
1945	Fleischhauer Fredk	New York Telephone
1939	Fleischhauer Fredk	New York Telephone Company
1934	Flelschhauor Freelk Susan lab	R. L. Polk & Co.
	Guthrie Edmund jr electn	R. L. Polk & Co.
	Guthrie Elizabeth	R. L. Polk & Co.
	Guthrie Mary wid Edmond	R. L. Polk & Co.
	Schefsberg Michl Ruth routemn	R. L. Polk & Co.
	Schwetzberg Mitchell Ruth pntr	R. L. Polk & Co.
	Guthrie Arth photo engr	R. L. Polk & Co.

4114 28TH ST

Year	Uses	Source
2004	TAI LEE	Cole Information Services

FINDINGS

4115 28TH ST

Year	Uses	Source
1970	MrGowan John J	New York Telephone
1967	McGowan John J	New York Telephone
1962	McGowan John J	New York Telephone Directory
1934	Ames Chas Mary elev opr	R. L. Polk & Co.
	Caldwell Andrew lab	R. L. Polk & Co.
	Caldwell Theresa wid Matthew	R. L. Polk & Co.

4116 28TH ST

Year	Uses	Source
2004	H VANDERBERG	Cole Information Services

4117 28TH ST

Year	Uses	Source
2005	Minar Food Inc 1 R	Hill-Donnelly Information Services
2004	VVV CONTRACTING CORP	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2000	Unit Findings & Chn	Cole Information Services
1999	UNIT FINDINGS & CHAIN MANUFACTURING CORPORATION	Cole Information Services
1994	UNIT FINDINGS & CHAIN MFG CORP	Cole Information Services
1991	Unit Findings & Chain Mfg Corp	NYNEX Information Resource Company
1983	Unit Findings & Chain Mfg Corp Unit Portions	New York Telephone
1970	Unity Mfg Corp dies & stmpg	New York Telephone

4118 28TH ST

Year	Uses	Source
2000	4120 NP	Cole Information Services
1999	E OCONNELL	Cole Information Services
	MICHAEL OCONNOR	Cole Information Services

4120 28TH ST

Year	Uses	Source
2004	HOCK YUEN	Cole Information Services
1983	Hua Mei Wicker Crafts Inc	New York Telephone
	Abvien Inc	New York Telephone
1976	Andrea Sales Div Of Andrea Radio Corp	New York Telephone
1970	Andrea Sales Div of Andrea Radio Corp	New York Telephone

FINDINGS

4121 28TH ST

Year	Uses	Source
2017	TONER SUPPLIES SURPLUS INC	Cole Information Services
	SEARLE INC	Cole Information Services
	BUTTERCUP BAKE SHOP	Cole Information Services
2014	SEARLE INCORPORATED	Cole Information Services
2009	TONER SUPPLIES SURPLUS INC	Cole Information Services
	SEARLE BLATT	Cole Information Services
2005	Crawford Creations us	Hill-Donnelly Information Services
	Searle Blatt & Co LTD 2 R	Hill-Donnelly Information Services
	Searle Inc	Hill-Donnelly Information Services
2000	Dstrhtch Flfllmnt	Cole Information Services
	Ecclss Strlng Slvr	Cole Information Services
	Ming & Ong Antq Inc	Cole Information Services
1999	ROSCO	Cole Information Services
	DISTRIBUTECH FULFILLMENT	Cole Information Services
	MING & QING DYNASTIES ANTIQUE INCORPORATED WAREHOUSE	Cole Information Services
	PENOTTI USA INCORPORATED	Cole Information Services
	POLARICA EAST LLC	Cole Information Services
	RASCO INTERNATIONAL CORPORATION	Cole Information Services
1991	KONGFORT TRADING INC	NYNEX Information Resource Company
	Korea Publications Inc	NYNEX Information Resource Company
	Lyons William Design Craft Inc	NYNEX Information Resource Company
1983	Alka Structures Inc	New York Telephone
	Alka Syma Structures Inc	New York Telephone
	Displaycraft	New York Telephone
	LYONS WILLAM DESIGN CRAFT INC	New York Telephone
	Syma System Sales Svces	New York Telephone
1976	Adelphi Clng Contractors	New York Telephone
	Commercial Clng Contractors Inc	New York Telephone
	Lyons William Design Crafting	New York Telephone
1970	Mechanical Svce	New York Telephone
1967	Mechanical Svce	New York Telephone
1962	Microfilm	New York Telephone Directory
	Remington Rand Div of Sperry Rand Corp	New York Telephone Directory

FINDINGS

4124 28TH ST

Year	Uses	Source
1996	DELOSO Tim	NYNEX

4126 28TH ST

Year	Uses	Source
2005	Global Hats Inc	Hill-Donnelly Information Services
2000	Global Hats Inc	Cole Information Services
1999	GLOBAL HATS INCORPORATED	Cole Information Services

29 ABBREV LL C

4112 29 ABBREV LL C

Year	Uses	Source
1991	Mellyn Sean	NYNEX Information Resource Company

29 LIC

4019 29 LIC

Year	Uses	Source
1983	Martinez Mike	New York Telephone

4118 29 LIC

Year	Uses	Source
1991	Haines Larry	NYNEX Information Resource Company

4120 29 LIC

Year	Uses	Source
1991	Desmond Geraldine	NYNEX Information Resource Company
	Hopkins Steve	NYNEX Information Resource Company

2928 41ST AVE

1 2928 41ST AVE

Year	Uses	Source
1962	District	New York Telephone Directory
	North Queens	New York Telephone Directory

FINDINGS

2940 NRTHRN BLVD

1 2940 NRTHRN BLVD

Year	Uses	Source
1991	A	NYNEX Information Resource Company

2946 NRTHRN BLVD

7030 2946 NRTHRN BLVD

Year	Uses	Source
1970	PRR Sunnyside Employees Fed Credit Union NO	New York Telephone
1967	PRR Sunnyside Employees Fed Credit Union NO	New York Telephone

29TH

4118 29TH

Year	Uses	Source
1934	Cohn Julian wid Jos	R. L. Polk & Co.

4120 29TH

Year	Uses	Source
1934	Beard Jas Ellen	R. L. Polk & Co.

29TH AVE

4030 29TH AVE

Year	Uses	Source
1934	Kappenberg Emlly sec	R. L. Polk & Co.

4122 29TH AVE

Year	Uses	Source
1939	Liveright Herman	New York Telephone Company

29TH LIC APG 5

4118 29TH LIC APG 5

Year	Uses	Source
1934	Mc Cormack Thos clk	R. L. Polk & Co.

FINDINGS

29TH LONG ISLAND CITY

4118 29TH LONG ISLAND CITY

Year	Uses	Source
1934	Cohn Josephine social wkr Mhn	R. L. Polk & Co.

4127 29TH LONG ISLAND CITY

Year	Uses	Source
1934	Lundgren Wm O Helen lawyer	R. L. Polk & Co.

29TH ST

3988 29TH ST

Year	Uses	Source
1934	Igoe Mary W maid St Patricks Rectory	R. L. Polk & Co.

4001 29TH ST

Year	Uses	Source
2004	OCCUPANT UNKNOWN	Cole Information Services
1994	MATTI SPORT LTD	Cole Information Services
1991	Matti Sport Ltd	NYNEX Information Resource Company
1983	Kearney Edward B Co Inc plmbng & htng	New York Telephone
	Pyrotronics	New York Telephone
1976	Kearney Edward B Co Inc plmbhg & htng	New York Telephone
1970	Kearney Edward B Co Inc plmbng & htng	New York Telephone
1962	Waldman LI & Co Inc elec contrs	New York Telephone Directory
1945	Phillips Chas S	New York Telephone
1934	Tighe Jas Anna chauf	R. L. Polk & Co.
	Philips Chas C Helen plmbr	R. L. Polk & Co.

4002 29TH ST

Year	Uses	Source
1967	Rhodes Jas H & Co steel wool & felt	New York Telephone

4003 29TH ST

Year	Uses	Source
2017	COPY MACHINES SERVICE & REPAIR	Cole Information Services
	ACACIA NETWORK	Cole Information Services
	KRUPA REALTY	Cole Information Services
2014	VERVE HOTEL AN ASCEND HOTEL COLLECTI	Cole Information Services

FINDINGS

4005 29TH ST

Year	Uses	Source
2000	Rodrigo Garc	Cole Information Services
	B & D	Cole Information Services
	Ranjodh Singh	Cole Information Services
	Antonios Raissis	Cole Information Services
	Eleni Mitrakas	Cole Information Services
	Juan Madrid	Cole Information Services
	Rosangela Cardoso	Cole Information Services
	Brian Blythe	Cole Information Services
	C Akntides	Cole Information Services
	C Akntides	Cole Information Services

4007 29TH ST

Year	Uses	Source
2000	Sound Cty Records	Cole Information Services

4009 29TH ST

Year	Uses	Source
2005	Korean Philippo Church	Hill-Donnelly Information Services
	Shin Sung Nung K A	Hill-Donnelly Information Services
2000	Sung N Shin	Cole Information Services
	Blue Re	Cole Information Services
1999	KOREAN PHILIPPO CHURCH	Cole Information Services
1994	KOREAN PHILIPPO CHURCH	Cole Information Services
1991	Korean Philippo Church	NYNEX Information Resource Company
1983	Korean Philippo Church	New York Telephone
1976	First Reformed Church Of Long Island City The	New York Telephone
1970	Suess LeRoy Rev	New York Telephone
	First Reformed Church of LI City The	New York Telephone
1967	First Reformed Church of LI City The	New York Telephone
	Suess Le Roy Rev	New York Telephone
1962	Newton Howard E Rev	New York Telephone Directory
1945	Van Dyk John A Rev	New York Telephone
1934	Scofield Laura	R. L. Polk & Co.

4010 29TH ST

Year	Uses	Source
2000	4011 NP	Cole Information Services

FINDINGS

4011 29TH ST

Year	Uses	Source
2009	KOREAN PHILIPPO PRESBT CH	Cole Information Services
2004	KOREAN PHLP CHRCH OF NEW YORK	Cole Information Services
2000	40TH RD INTS FROM	Cole Information Services
	4019 NP	Cole Information Services
	41ST AV INTS FROM	Cole Information Services
1994	NEW YORK PRAISE THEOLOGICAL SEMINARY INC	Cole Information Services
1934	First Reformed Church Frank A Scofield pastor	R. L. Polk & Co.

4013 29TH ST

Year	Uses	Source
2000	Villa Restrnt & Pza	Cole Information Services
	Gaudios	Cole Information Services

4015 29TH ST

Year	Uses	Source
2017	GLADYS TEJADA	Cole Information Services
2014	GLADYS TEJADA	Cole Information Services
2000	Help U Sell	Cole Information Services
	Freeway Drive Schl	Cole Information Services
	Jose Jimenez	Cole Information Services
	Zubaria Ehsan	Cole Information Services
	Bouchaib Bdaoui	Cole Information Services

4017 29TH ST

Year	Uses	Source
2000	Ricures De Clmb	Cole Information Services
	Ricures De Clmb	Cole Information Services

4019 29TH ST

Year	Uses	Source
2017	WILSON ALVES	Cole Information Services
2014	WILSON ALVES	Cole Information Services
	LORENA ALVARADO	Cole Information Services
	MAGDALENA PENA	Cole Information Services
2009	ALVES WILSON	Cole Information Services
	WILSON ALVES	Cole Information Services
2005	h Alves Wilson	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2000	Fair Prc Deli Inc	Cole Information Services
	41ST ST INTS FROM	Cole Information Services
1994	TORRADO, N	Cole Information Services
1967	Vidal Elia	New York Telephone
	Vidal Jose	New York Telephone
1962	Allied Roll Leaf & Stamping Mach Corp	New York Telephone Directory
	Eastern Optics	New York Telephone Directory
	Kane Howard J	New York Telephone Directory
1945	Horma Mfg Corp	New York Telephone
	Horsky Milo	New York Telephone
	Mandl R W	New York Telephone
1934	Scofield Frank A Rev pastor First Reformed Church	R. L. Polk & Co.

4022 29TH ST

Year	Uses	Source
1939	Acerno Mary Mrs	New York Telephone Company

4027 29TH ST

Year	Uses	Source
1962	McDonnell J E Assocs	New York Telephone Directory
	Kontanis Elias G	New York Telephone Directory
1945	Smith Wm J	New York Telephone
1939	Greco Thos	New York Telephone Company
1934	Louis Rose taxi driver	R. L. Polk & Co.
	Greco Thos Rose carp	R. L. Polk & Co.

4033 29TH ST

Year	Uses	Source
1962	Landy Air Freight Inc	New York Telephone Directory

4035 29TH ST

Year	Uses	Source
1962	Spero Frances	New York Telephone Directory
1934	Spero Anthony Frances wldr	R. L. Polk & Co.
	Smith Wm Alice chauf	R. L. Polk & Co.

4037 29TH ST

Year	Uses	Source
1945	Yorizzo Lillian Mrs	New York Telephone

Year	Uses	Source
1945	Diepold Harold	New York Telephone
1939	Diepold Harold	New York Telephone Company
1934	Diepold Geo Anna chauf	R. L. Polk & Co.
	Diepold Geo jr	R. L. Polk & Co.

4041 29TH ST

Year	Uses	Source
1934	First German M E Church Max Dieterle pastor	R. L. Polk & Co.

4045 29TH ST

Year	Uses	Source
1962	Sampollo Carlo	New York Telephone Directory
1945	Keen Paul Rev	New York Telephone
1934	Miller Chas L printer	R. L. Polk & Co.
	Miller Chas jr printer	R. L. Polk & Co.
	Miller Anna wid Powell	R. L. Polk & Co.

4054 29TH ST

Year	Uses	Source
1939	Groiss L F	New York Telephone Company

4101 29TH ST

Year	Uses	Source
2000	Frank Furn & Gift	Cole Information Services

4102 29TH ST

Year	Uses	Source
2000	Youngs Laundramat	Cole Information Services

4103 29TH ST

Year	Uses	Source
1934	Great Northern Service Station Jos G Tesar gasoline	R. L. Polk & Co.

4104 29TH ST

Year	Uses	Source
2000	Ines Quintero	Cole Information Services
	Luigi Mastroco	Cole Information Services
	A Roch	Cole Information Services
	Barbara Carrano	Cole Information Services
	Doherty	Cole Information Services

FINDINGS

Year	Uses	Source
2000	Hairspray Hair Sln	Cole Information Services
	Pan Line Travel	Cole Information Services

4105 29TH ST

Year	Uses	Source
2005	Georgladis Konstantia	Hill-Donnelly Information Services
	h Georgladis Konstancla A	Hill-Donnelly Information Services
2004	NEW YORK SYSTEMS	Cole Information Services
	JOHN BASSETT	Cole Information Services
2000	Tom Glavin	Cole Information Services
	Cheris Leon J DDS	Cole Information Services
	Shahah DDS	Cole Information Services
	Tom G	Cole Information Services
	Welcome To New York Inc	Cole Information Services
	Intrntl Fedrn Hr	Cole Information Services
	Denas Coffee Shop	Cole Information Services
1994	SHANG HAI C RESTAURANT	Cole Information Services
1991	Seid Linda	NYNEX Information Resource Company
	Qiu Ya Ping	NYNEX Information Resource Company
	Bens Restaurant Corp	NYNEX Information Resource Company
1983	Tse Yam Nam	New York Telephone
	Maybo Chinese Restnt Inc	New York Telephone
1970	Sams Food Shop	New York Telephone
	Sams Food Shop	New York Telephone
1967	Sams Food Shop	New York Telephone
	Perez Andrew D	New York Telephone
1962	Sams Food Shop	New York Telephone Directory

4106 29TH ST

Year	Uses	Source
2000	Gabriel Alvarez	Cole Information Services
	Skin Care Marilyn	Cole Information Services
	Hair Fantasy	Cole Information Services
	Nver Azizian	Cole Information Services
	Norma Sharar	Cole Information Services
	John Stavnanos	Cole Information Services

FINDINGS

4107 29TH ST

Year	Uses	Source
2000	K & L Discount & Groc	Cole Information Services
	B & H Tow svc 24 Hr	Cole Information Services
	Chung Moy	Cole Information Services

4108 29TH ST

Year	Uses	Source
2000	Dos S	Cole Information Services
	Khan Food Mkt Inc	Cole Information Services
	Maria G Ribeiro	Cole Information Services
	Rosemarie Corsim	Cole Information Services
	Ozana M Cabral	Cole Information Services
	Julio F Amador	Cole Information Services
	Francis Kelly	Cole Information Services

4109 29TH ST

Year	Uses	Source
2017	PATRICIA ARDITTO	Cole Information Services
2014	MANUEL CASTILLO	Cole Information Services
2009	BETHANY LIEBMAN	Cole Information Services
	SAMUEL WANG	Cole Information Services
	THOMAS PAYNE	Cole Information Services
2005	h Wang Samuel A	Hill-Donnelly Information Services
	Wangsamuel	Hill-Donnelly Information Services
	h Adrito Patricia AV	Hill-Donnelly Information Services
	Castillo Manuel J v	Hill-Donnelly Information Services
	Liebman B y	Hill-Donnelly Information Services
	Lln Zefeng vv	Hill-Donnelly Information Services
	h Ortlz Manuel AV	Hill-Donnelly Information Services
	Payne Thomas v	Hill-Donnelly Information Services
2004	MANUEL ORTIZ	Cole Information Services
	B LIEBMAN	Cole Information Services
	ZEFENG LIN	Cole Information Services
	PATRICIA ADRITO	Cole Information Services
	THOMAS PAYNE	Cole Information Services
	SERGIO LOPEZ	Cole Information Services
	FERNANDO BURGOS	Cole Information Services
2000	Patricia Arditto	Cole Information Services
	Zefeng Lin	Cole Information Services

FINDINGS

Year	*Uses*	*Source*
2000	Sergio Lopez	Cole Information Services
	Manuel Ortiz	Cole Information Services
1999	LOPEZ SERGIO	Cole Information Services
1994	COLON, EDWIN	Cole Information Services
	ORTIZ, MANUEL	Cole Information Services
	ARDITTO, PATRICIA	Cole Information Services
	CHANG, SHEIN	Cole Information Services
	YANG, RONG YA	Cole Information Services
1991	Sparks N	NYNEX Information Resource Company
	Yu Jing	NYNEX Information Resource Company
	Ahmed Ashique	NYNEX Information Resource Company
	Arditto Patricia	NYNEX Information Resource Company
	Chang Shein	NYNEX Information Resource Company
	Ma Shu Kwong	NYNEX Information Resource Company
	Ortiz Manuel	NYNEX Information Resource Company
1983	Kilgore P	New York Telephone
	Chang Shein	New York Telephone
	Cuomo Helen	New York Telephone
	Cuomo J 34742	New York Telephone
	Keng Cheung Ping	New York Telephone
	Lopez Sergio	New York Telephone
	Ortiz Manuel	New York Telephone
1976	Cooke Wm Mrs	New York Telephone
1970	Cook Anna	New York Telephone
	Cook Wm Mrs	New York Telephone
	Coulter Thomas	New York Telephone
	DelRosario Luisa	New York Telephone
	Giangrasso John	New York Telephone
	Ramos Pedro A	New York Telephone
1967	Cook Anna	New York Telephone
	Cook Wm Mrs	New York Telephone
	Giangrasso John	New York Telephone
1962	Cook Wm Mrs	New York Telephone Directory
	Giangrasso John	New York Telephone Directory
	Higgins Dora	New York Telephone Directory
	Cook Wilfred Jr	New York Telephone Directory
1945	Cook Wm Mrs	New York Telephone
	Higgins Dora	New York Telephone

FINDINGS

4110 29TH ST

Year	Uses	Source
2017	BAKER HOWARD & NORMAN	Cole Information Services
	PASTELES CAPY	Cole Information Services
2014	RICHARD KIM	Cole Information Services
	PASTELES CAPY	Cole Information Services
	BAKER HOWARD & NORMAN	Cole Information Services
	BETH SCHISSLER	Cole Information Services
	EVERALD SAMPSON	Cole Information Services
2009	NEW YORK GROUT INC	Cole Information Services
	INDEPENDENT POWER NEW YORK	Cole Information Services
	PASCAL JALABERT	Cole Information Services
	EVERALD SAMPSON	Cole Information Services
	ALEX KIM	Cole Information Services
2005	Baker Howard & Norman	Hill-Donnelly Information Services
	Garner Lauren ye	Hill-Donnelly Information Services
	Howard & Norman Baker	Hill-Donnelly Information Services
	h Jalabert Pascal	Hill-Donnelly Information Services
	New York Grout Inc	Hill-Donnelly Information Services
	Sampson Everald	Hill-Donnelly Information Services
2004	EVERALD SAMPSON	Cole Information Services
	COLIN KIM	Cole Information Services
	PASCAL JALABERT	Cole Information Services
	KIMBERLY PIZZERIA RESTAURANT	Cole Information Services
	NEW YORK GROUT INC	Cole Information Services
2000	Pascal Jalabert	Cole Information Services
	Satomi Matsud	Cole Information Services
	Everald Sampson	Cole Information Services
	Lhamu Sherp	Cole Information Services
	Baker Howard & Nrmn	Cole Information Services
	New York Grout Inc	Cole Information Services
1999	MODAD WASSIM	Cole Information Services
	NEW YORK GROUT INCORPORATED	Cole Information Services
	TRANSWORLD MEDIA	Cole Information Services
	BAKER HOWARD & NORMAN	Cole Information Services
1994	SAMPSON, EVERALD	Cole Information Services
	KINADUKARA, BINOY	Cole Information Services
1991	Control Systems International Inc Executive Office	NYNEX Information Resource Company
	D J Environmental Systems	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Stone Evan	NYNEX Information Resource Company
	Thermotech Svces Co Inc	NYNEX Information Resource Company
1983	Boro Managmnt Corp	New York Telephone
	Cassanello Silvio	New York Telephone
	Nevone Frank	New York Telephone
1976	LEVINE HENRY rl est	New York Telephone
1970	Nevone Frank	New York Telephone
1967	Benes Joe sprt gds	New York Telephone
	Benes Sport Shop	New York Telephone
	Nevone Frank	New York Telephone
	Shustek Edw	New York Telephone
1962	A & P Bakeries Natl Councl Amer Bakery & Confctry Internatl Union AFL CIO	New York Telephone Directory
	Benes Joe sprt gds	New York Telephone Directory
	Benes Sport Shop	New York Telephone Directory
	Gillis Angus F	New York Telephone Directory
	Kiekart Mary	New York Telephone Directory
1945	Benes Joe sport gds	New York Telephone
	Benes Sport Shop	New York Telephone
1939	Benes Joe sport gds	New York Telephone Company
	Benes Sport Shop	New York Telephone Company
	Communist Party of the USA Queens Cnty Comm	New York Telephone Company
	First & second AD	New York Telephone Company
	Macfane Lunch Bar	New York Telephone Company
	Queens Workers Centr	New York Telephone Company
1934	Ashe Jos	R. L. Polk & Co.
	Asklund Aug L Helen chauf	R. L. Polk & Co.
	Gertner Specialty Shoppe Gertrude E Kerner hosiery	R. L. Polk & Co.
	Queensboro Commercial School May H Martin	R. L. Polk & Co.
	Shankland DAvid	R. L. Polk & Co.
	Shankland Lucie	R. L. Polk & Co.
	Shankland Lucie wid John	R. L. Polk & Co.

4111 29TH ST

Year	Uses	Source
2000	Manja Barulich	Cole Information Services
	Ziatko Cargonj	Cole Information Services

FINDINGS

4112 29TH ST

Year	Uses	Source
2017	SAIMA KHAN	Cole Information Services
2014	STUDIO MANHATTAN PRODUCTIONS INCORPO	Cole Information Services
2009	PEGGY DAY	Cole Information Services
	T PEREZ	Cole Information Services
	EXTREME IT GOVERNANCE INC	Cole Information Services
2005	Harold Jesse	Hill-Donnelly Information Services
	Perez D	Hill-Donnelly Information Services
	h Perez Dominick v	Hill-Donnelly Information Services
2004	JEANNE JACIR	Cole Information Services
	DOMINIC PEREZ	Cole Information Services
2000	J Ralat Maldonado	Cole Information Services
	Neil Davis	Cole Information Services
	Dominick Perez	Cole Information Services
1994	FRANK'S GLASS & MIRRORS INC	Cole Information Services
	MELLYN, SEAN	Cole Information Services
	GRINNAN, KATIE	Cole Information Services
1991	Franks Glass & Mirrors Inc	NYNEX Information Resource Company
1983	Franks Glass & Mirrors Inc	New York Telephone
1976	Grasso Anthony C	New York Telephone
1970	Barth Henry Inc wrhse	New York Telephone
1962	Elmay Imprtng Co	New York Telephone Directory
1945	Universal Coffee Co Inc	New York Telephone
1939	Perfect Coffee Co	New York Telephone Company
1934	Eccles Alf H Lucy archt	R. L. Polk & Co.
	Fern Rock Restaurant TN: Jas Grady Dominick Madria	R. L. Polk & Co.
	Hawking Harold A real est	R. L. Polk & Co.
	Martin May H Queenbore Commercial School	R. L. Polk & Co.
	Mattmann Chas acct	R. L. Polk & Co.

4114 29TH ST

Year	Uses	Source
2017	MIZUMA INTERNATIONAL INC	Cole Information Services
2014	MIZUMA INTERNATIONAL INCORPORATED	Cole Information Services
2004	JTN INC	Cole Information Services
	VIP MIZUMA LIMOUSINE	Cole Information Services

FINDINGS

Year	Uses	Source
1999	METROPOLITAN OFFICE & COMPUTER SUPPLIES INCORPORATED	Cole Information Services
1994	SOUTH EXPRESS COURIER INC	Cole Information Services
1976	Axel Plastics Research Labs Inc	New York Telephone
1970	Axel Plastics Research Labs Inc	New York Telephone
1967	AXEL PLASTICS RESEARCH LABS INC	New York Telephone
1962	Axel Plastics Research Labs	New York Telephone Directory

4115 29TH ST

Year	Uses	Source
2014	ENDAL SINGH	Cole Information Services
2009	LEOPOLDO ROSATI STUDIO	Cole Information Services
2005	Singh Endal vw	Hill-Donnelly Information Services
	Leopoldo Rosati Studio	Hill-Donnelly Information Services
1999	RADMIN MACK	Cole Information Services
1994	BROTHERHOOD PATROL INC	Cole Information Services
	NEW DAWN DENTAL LABS INC	Cole Information Services
1991	Brotherhood Minority Patrol Inc	NYNEX Information Resource Company
1983	Brotherhood Minority Patrol Inc	New York Telephone
1976	Brotherhood Minority Patrol Inc	New York Telephone
1967	Princess Sales Co	New York Telephone
1962	Sethness Prods Co caramel coloring	New York Telephone Directory
1945	Stoecker Frank R land survyr	New York Telephone
	Milestone Contractg Corp	New York Telephone
	Rego Prods Co	New York Telephone
1939	Falk Irwin DDS off	New York Telephone Company
	Hawthorne Wm F archt	New York Telephone Company
	Island Engnrng Co	New York Telephone Company
	Island Land Surveying Co	New York Telephone Company

4116 29TH ST

Year	Uses	Source
2017	SWING STAGE	Cole Information Services
	TRACTEL INC SWING STAGE	Cole Information Services
	CHOICES WOMEN MEDICAL	Cole Information Services
2014	URBANI TRUFFLES	Cole Information Services
	CHOICES WOMEN MEDICAL	Cole Information Services
2004	A WEB INTERNET MRKTNG SRVC	Cole Information Services
	CONTROL TECHNOLOGY CO	Cole Information Services

FINDINGS

Year	Uses	Source
2004	A WEB INTRNTMRKT SRVC COR	Cole Information Services
2000	Trio Corner Deli	Cole Information Services
	Kostas Haralambou	Cole Information Services
	Filippos Kominos	Cole Information Services
	Dennis Kyriakos	Cole Information Services
	E Theodoropoulos	Cole Information Services
	Metro Flrl Dcrtrs	Cole Information Services
	Nice Nails Salon	Cole Information Services
	Control Techlgy	Cole Information Services
	A WEB Intrnt Mktg	Cole Information Services
	A WEB Internet	Cole Information Services
1999	CONTROL TECHNOLOGY COMPANY INCORPORATED	Cole Information Services
1994	CONTROL TECHNOLOGY CO INC, PLT	Cole Information Services
1991	Control Technology Co Inc plt	NYNEX Information Resource Company
1983	Control Technology Co Inc plt	New York Telephone
1976	Control Technology Co Inc plt	New York Telephone
1970	Control Technology Co Inc plt	New York Telephone
1967	Control Technology Co Inc plt	New York Telephone
1962	V & N Prntg Sindly Supls Inc	New York Telephone Directory
	Control Technology Co Inc plt	New York Telephone Directory
	Allied Mailing Svce	New York Telephone Directory
	Your Letter Svce Inc prntrs	New York Telephone Directory

4117 29TH ST

Year	Uses	Source
2000	Dorotheou Doros	Cole Information Services
	Ahmed Badre	Cole Information Services
1939	Ritter Swenson Corp	New York Telephone Company
	Swenson Axel J rl est	New York Telephone Company
	Ritter Wm C rl est	New York Telephone Company

4118 29TH ST

Year	Uses	Source
2017	PAULINA RAMIREZ	Cole Information Services
	ELSIE CHIBBARO	Cole Information Services
	MANUEL CASSANELLO	Cole Information Services
	LIZANDRO LIMONGGI	Cole Information Services
	ATAUL GHANI	Cole Information Services

FINDINGS

Year	Uses	Source
2017	MILES BENSON	Cole Information Services
	PEARL LAU	Cole Information Services
	CAN CHAU	Cole Information Services
	STEVEN BOW	Cole Information Services
	JOSEPH BYRNE	Cole Information Services
2014	ELSIE CHIBBARO	Cole Information Services
	MILGIAN LAINEZ	Cole Information Services
	CHUNG LAU	Cole Information Services
	ADRIANA VELEZ	Cole Information Services
	CHIK FUNG	Cole Information Services
	ELLA ROSEWOOD	Cole Information Services
	ATAUL GHANI	Cole Information Services
	SHAWNEE LI	Cole Information Services
	JOSEPH BYRNE	Cole Information Services
	FLORA FUKS	Cole Information Services
	LIZANDRO LIMONGGI	Cole Information Services
	MANUEL CASSANELLO	Cole Information Services
2009	PEARL LAU	Cole Information Services
	CHIK FUNG	Cole Information Services
	ALBERT BALAVENDER	Cole Information Services
	JOSEPH BYRNE	Cole Information Services
	JONATHAN MCGILL	Cole Information Services
	ELSIE CHIBBARO	Cole Information Services
	ATAUL GHANI	Cole Information Services
	SILVIO CASSANELLO	Cole Information Services
	JINHEE KWON	Cole Information Services
	CARMEN LOPEZ-CAPUANO	Cole Information Services
	EMILY RAIVELY	Cole Information Services
	GLORIA VARELA	Cole Information Services
	WALTER PEREZ	Cole Information Services
	MARTIN RAMIREZ	Cole Information Services
	LIZANDRO LIMONGGI	Cole Information Services
2005	Multi Unit Address	Hill-Donnelly Information Services
	h Balavender Albert AV	Hill-Donnelly Information Services
	Beegle Audrey	Hill-Donnelly Information Services
	Continued	Hill-Donnelly Information Services
	Numbr 4 A h Byme Joseph T A	Hill-Donnelly Information Services
	Numbr 5 C h Fung Chik Keung A	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Numbr 2 A Ghani Ataul v	Hill-Donnelly Information Services
	Hoque Nozmul v	Hill-Donnelly Information Services
	Numbr 3 B h Lau Miu King	Hill-Donnelly Information Services
	Numbr 1 C Limonggi Uzandro	Hill-Donnelly Information Services
	Numbr 2 C h Lopez Capuano Carmen E v	Hill-Donnelly Information Services
	Numbr 4 C h Raively Emily v	Hill-Donnelly Information Services
	Ramirez Martin	Hill-Donnelly Information Services
	Rodriguez Jose	Hill-Donnelly Information Services
2004	CARMEN VALVERDE	Cole Information Services
	CARMEN LOPEZ	Cole Information Services
	JOSE FLOR	Cole Information Services
	CHIK FUNG	Cole Information Services
	ADRIANA VELEZ	Cole Information Services
	EMILY RAIVELY	Cole Information Services
	GENO SPARROW	Cole Information Services
	JOSEPH BYRNE	Cole Information Services
	LIZANDRO LIMONGGI	Cole Information Services
	ALBERT BALAVENDER	Cole Information Services
	OLIVERA GAJIC	Cole Information Services
	OSCAR CASAS	Cole Information Services
	STELLA MOLANO	Cole Information Services
	RONIT SCHLAM	Cole Information Services
	MARTIN RAMIREZ	Cole Information Services
	ATAUL GHANI	Cole Information Services
2000	Apartments Albert Balavender	Cole Information Services
	A Joseph T Byrne	Cole Information Services
	Chik K Fung	Cole Information Services
	Ataul Ghani	Cole Information Services
	Kate Hart	Cole Information Services
	Miu K Lau	Cole Information Services
	Lizandro Limonggi	Cole Information Services
	Carmen E Lopez	Cole Information Services
	John A Maier	Cole Information Services
	Natalie Molano	Cole Information Services
	C Emity Raively	Cole Information Services
	Dassi Teitelbaum	Cole Information Services
1994	MALANO, E	Cole Information Services
	LOPEZ, CARMEN E	Cole Information Services

FINDINGS

Year	Uses	Source
1994	TEOFILO, CIRO	Cole Information Services
	RAMOS, GERALDO Y	Cole Information Services
	LEE, GEORGE	Cole Information Services
	BYRNE, JOSEPH T	Cole Information Services
	GHANI, ATAUL	Cole Information Services
	MARTINEZ, RUTH	Cole Information Services
	HAINES, LARRY	Cole Information Services
	ORTIZ-CHEVRES, CARLOS	Cole Information Services
1991	Byrne Joseph T	NYNEX Information Resource Company
	Choudhury Anayet H	NYNEX Information Resource Company
	Machado Angelina	NYNEX Information Resource Company
	Martinez Ruth	NYNEX Information Resource Company
	Ngai Fook	NYNEX Information Resource Company
	Ortiz Chevres Carlos	NYNEX Information Resource Company
	Teofilo Ciro	NYNEX Information Resource Company
	Valvarde Carmen Mrs	NYNEX Information Resource Company
1983	Chen Wen Yang	New York Telephone
	Teofilo Ciro	New York Telephone
	Valvarde Carmen Mrs	New York Telephone
	Wadhwani Jagatri	New York Telephone
	Byrne Joseph T	New York Telephone
	Chan Woodyiu	New York Telephone
	Chan Ying Lan	New York Telephone
	Negron Lenin	New York Telephone
	Ngai Fook	New York Telephone
	Suenos Carlos	New York Telephone
1976	Alcantara Guillermo O	New York Telephone
	Byrne Joseph T	New York Telephone
	Chan Woodyiu	New York Telephone
	Connors V M	New York Telephone
	Di Marco Diego	New York Telephone
	Driscoll H	New York Telephone
	Fernandez Eduardo	New York Telephone
	Flynn Wm J	New York Telephone
	Lew Wah Fong	New York Telephone
1970	Alcantara Guillermo O	New York Telephone
	Carcione Jos R	New York Telephone
	Garcia Louise	New York Telephone

FINDINGS

Year	Uses	Source
1970	Guinan John L	New York Telephone
	Joy Mary A	New York Telephone
	Malpeli Ermanno	New York Telephone
	Perdomo Campo	New York Telephone
	Smith A F Miss	New York Telephone
	Teofilo Ciro	New York Telephone
	Valvarde Carmen Mrs	New York Telephone
	Wadhwani Nari	New York Telephone
	Marolachakis Nick	New York Telephone
	Papathomas Pagona T	New York Telephone
	Ribaudo Alfonzo	New York Telephone
1967	Aguilar Antonio	New York Telephone
	Carcione Jos R	New York Telephone
	Garcia Louise	New York Telephone
	Guinan John L	New York Telephone
	Joy Mary A	New York Telephone
	Lopez Carmine	New York Telephone
	Nugent Desmond C	New York Telephone
	Smith A F Miss	New York Telephone
	Swartz Donald	New York Telephone
	Teofilo Ciro	New York Telephone
	Zeman Frank	New York Telephone
1962	Zeman Frank	New York Telephone Directory
	Carcione Jos R	New York Telephone Directory
	Guinan John L	New York Telephone Directory
	Joy Mary A	New York Telephone Directory
	Longo Patk J	New York Telephone Directory
	Mackie Edw	New York Telephone Directory
	McHugh Thos	New York Telephone Directory
	Resker Jos R	New York Telephone Directory
	Riggio Philip	New York Telephone Directory
	Santana Heberto	New York Telephone Directory
1945	Coppinger Helen	New York Telephone
	De Hart Clyde Bill	New York Telephone
	Gries Geo J	New York Telephone
	Milne W	New York Telephone
	Smith A F Miss	New York Telephone
1939	Crews Chas R	New York Telephone Company

FINDINGS

Year	Uses	Source
1939	Smith A F Miss	New York Telephone Company
1934	Mc Cormack Wm Ethel lab	R. L. Polk & Co.
	Me Ever Henry inspr	R. L. Polk & Co.
	Me Ever John underwriter Ins	R. L. Polk & Co.
	Me Ever John underwriter Ins	R. L. Polk & Co.
	Milne Wm Phylis chauf	R. L. Polk & Co.
	Porthinal Jos Emma	R. L. Polk & Co.
	Roy Edw Christinia steward	R. L. Polk & Co.
	Sherman Alex student	R. L. Polk & Co.
	Sherman Saml pntr	R. L. Polk & Co.
	Stroh Otto C city firemn	R. L. Polk & Co.
	Wasley Chas Bella eng	R. L. Polk & Co.
	Blazso Jos Mary valet Mhn	R. L. Polk & Co.
	Cohn Francis clk	R. L. Polk & Co.
	Dallas Geo Cath chauf	R. L. Polk & Co.
	Dawson Jas clk Pres Boro of Q	R. L. Polk & Co.
	Dawson Wm slsmn	R. L. Polk & Co.
	Dowling Wm H Dorothy scenery dir	R. L. Polk & Co.
	Dwyer Frank J Molly clk	R. L. Polk & Co.
	Garcia John Mary cigar mfr	R. L. Polk & Co.
	Gilmore Arth	R. L. Polk & Co.
	Mc Cauloy Geo Charlotte lab	R. L. Polk & Co.

4119 29TH ST

Year	Uses	Source
2000	Koletsis MD	Cole Information Services
	Maria A Nicolaou	Cole Information Services
	Mary Kozi	Cole Information Services

4120 29TH ST

Year	Uses	Source
2017	REGINA HOLDINGS LLC	Cole Information Services
	MIA LUK	Cole Information Services
	KOURTNI BEEBE	Cole Information Services
	MARIA ARAMENDI	Cole Information Services
	STEPHEN WOOL	Cole Information Services
	GERALD WALSH	Cole Information Services
	ERICA LINDEGREN	Cole Information Services
	MADELINE GONZALEZ	Cole Information Services

FINDINGS

Year	Uses	Source
2017	ALBERT BOTROS	Cole Information Services
	LUIS BARBERII	Cole Information Services
	BARBARA GEHER	Cole Information Services
	DIANNA KIM	Cole Information Services
	OLUBUNMI AWODERU-WRIGHT	Cole Information Services
	ROBERT MENJE	Cole Information Services
2014	MALAK ABDEL	Cole Information Services
	OLUBUNMI AWODERU-WRIGHT	Cole Information Services
	LUIS BARBERII	Cole Information Services
	RUDOLPH GEHER	Cole Information Services
	GERALD WALSH	Cole Information Services
	KOURTNI BEEBE	Cole Information Services
	OLIVIA WARDWELL	Cole Information Services
	GUIOMAR AVIZ	Cole Information Services
	REGINA HOLDINGS LLC RL EST	Cole Information Services
	JORGE ROMAN	Cole Information Services
	TODD SULLIVAN	Cole Information Services
	BARRY FOX	Cole Information Services
	MARIA ARAMENDI	Cole Information Services
2009	LORRAINE BALAVENDER	Cole Information Services
	DAKOTA GENERAL CONTRACTORS	Cole Information Services
	MARIA ARAMENDI	Cole Information Services
	GERALD WALSH	Cole Information Services
	LUIS BARBERII	Cole Information Services
	ERIK BAARD	Cole Information Services
	RUDOLPH GEHER	Cole Information Services
	RIVKA KARASIK	Cole Information Services
	STEPHEN OREILLY	Cole Information Services
	OLUBUNMI AWODERU-WRIGHT	Cole Information Services
	RUNAR HOLEN	Cole Information Services
	ALBERT ABDEL-MALAK	Cole Information Services
	JORGE ROMAN	Cole Information Services
	REGINA HOLDING	Cole Information Services
2005	Twenty Ninth Street Assoc RL	Hill-Donnelly Information Services
	Numbr 28 Walsh Gerald A	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
	Abdel Malak Albert	Hill-Donnelly Information Services
	Aramendi Maria S	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Awoderu Olubunmi	Hill-Donnelly Information Services
	Numbr 4 A h Baard Erik C	Hill-Donnelly Information Services
	h Balavender Lorraine A	Hill-Donnelly Information Services
	Numbr 48 h Geher Rudolph A	Hill-Donnelly Information Services
	Holen Runar V	Hill-Donnelly Information Services
	Numbr 3 C h Karaslk Rivka V 7 718 786 8007 o	Hill-Donnelly Information Services
	Numbr 4 C h Oreilly Stephen	Hill-Donnelly Information Services
	Regina Holdings LLC RL Est	Hill-Donnelly Information Services
	Numbr 2 C h Roman Luis A	Hill-Donnelly Information Services
2004	FIRST LADY APPAREL INC	Cole Information Services
	MIE IWATSUKI	Cole Information Services
	LORRAINE BALAVENDER	Cole Information Services
	ALBERT ABDEL-MALAK	Cole Information Services
	JACKSON MAIO	Cole Information Services
	DANIELLE SHEFF	Cole Information Services
	RUNAR HOLEN	Cole Information Services
	STEPHEN OREILLY	Cole Information Services
	OLUBUNMI AWODERU-WRIGHT	Cole Information Services
	DASSI TEITELBAUM	Cole Information Services
	RIVKA KARASIK	Cole Information Services
	SARAH ROCCA	Cole Information Services
	ERIK BAARD	Cole Information Services
	RUDOLPH GEHER	Cole Information Services
	GERALD WALSH	Cole Information Services
	LUIS ROMAN	Cole Information Services
1999	GUMOWITZ A & A REAL ESTATE	Cole Information Services
1994	KHAN, MOHAMMAD	Cole Information Services
	ROMAN, LUIS	Cole Information Services
	GEHER, RUDOLPH	Cole Information Services
	WALSH, GERALD	Cole Information Services
	TOURDOT, P	Cole Information Services
	BALAVENDER, LORRAINE	Cole Information Services
	GUMOWITZ A & A, RL EST	Cole Information Services
1991	Balavender Lorraine	NYNEX Information Resource Company
	Chai Meng Soi	NYNEX Information Resource Company
	Geher Rudolph	NYNEX Information Resource Company
	Gumowitz A & A rlest	NYNEX Information Resource Company
	Perez Guillermo	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Tourdot P	NYNEX Information Resource Company
	Wahab Tarek	NYNEX Information Resource Company
	Walsh Gerald	NYNEX Information Resource Company
1983	Balavender Anna	New York Telephone
	Conroy John	New York Telephone
	Desmond Jos	New York Telephone
	Geher Rudolph	New York Telephone
	Perez Guillermo	New York Telephone
	Yip Kum Wing	New York Telephone
1976	Chu Chlun	New York Telephone
	Conroy John	New York Telephone
	De Girolamo Francesco	New York Telephone
	Geher Rudolph	New York Telephone
1970	Andersen Birthe	New York Telephone
	Connors V M	New York Telephone
	Conroy John	New York Telephone
	DeGirolamo Francesco	New York Telephone
	Desmond Jos	New York Telephone
	Gabriel Marie A	New York Telephone
	Geher Rudolph	New York Telephone
	McHugh Thos	New York Telephone
	Perez Guillermo	New York Telephone
	Tribble Jos	New York Telephone
	Ventriera Anthony	New York Telephone
1967	Andersen Birthe	New York Telephone
	Barreau Herbert R	New York Telephone
	Connors V M	New York Telephone
	Conroy John	New York Telephone
	Desmond Jos	New York Telephone
	Gabriel Marie A	New York Telephone
	Geher Rudolph	New York Telephone
	McHugh Thos	New York Telephone
	Meyler C John	New York Telephone
	Tribble Jos	New York Telephone
1962	Coupland DArcy E	New York Telephone Directory
	Desmond Jos	New York Telephone Directory
	Duffy Jas Arthur	New York Telephone Directory
	Gabriel Marie A	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Geher Rudolph	New York Telephone Directory
	Lewis E C	New York Telephone Directory
	Meyler C John	New York Telephone Directory
	Shanker Pearl	New York Telephone Directory
	Tribble Jos	New York Telephone Directory
	Ventriera Anthony	New York Telephone Directory
	Andersen Birthe	New York Telephone Directory
	Barreal Herbert R	New York Telephone Directory
	Conroy John	New York Telephone Directory
1945	Andersen Agnes	New York Telephone
	Dunn L Mrs	New York Telephone
1939	Dunn L Mrs	New York Telephone Company
	Lewis E C	New York Telephone Company
1934	Conneely Jas city firemn	R. L. Polk & Co.
	Connelly Jas fire dept	R. L. Polk & Co.
	Dunn Bernard clk	R. L. Polk & Co.
	Dunn Luella Mrs restr	R. L. Polk & Co.
	Gouger John	R. L. Polk & Co.
	Martin Jos Gussie lab	R. L. Polk & Co.
	Mosher Philip H chauf	R. L. Polk & Co.
	Rafferty Delia wid Peter	R. L. Polk & Co.
	Shanker Morris Mamie newspaper dlr	R. L. Polk & Co.

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Year	Uses	Source
2017	STARTECH CONTRACTING CORP	Cole Information Services
	STARTECH CONTRACTING CORP	Cole Information Services
	EZRA SCHULMAN	Cole Information Services
	SUMAN SINGH	Cole Information Services
	ELIAS VENEGAS	Cole Information Services
2014	DARSHAN SINGH	Cole Information Services
	SHINDER MEHRA	Cole Information Services
	SOMNATH KHANAL	Cole Information Services
	ANOOP GREWAL	Cole Information Services
	DONALD JOSEPH	Cole Information Services
2009	RTCE INC	Cole Information Services
	DARSHAN SINGH	Cole Information Services
	DONALD JOSEPH	Cole Information Services
2005	AJay Realty Corp I F	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Rockys Training Ctr 2 p	Hill-Donnelly Information Services
	h Singh Darshan	Hill-Donnelly Information Services
	Lei Khem V	Hill-Donnelly Information Services
2004	SHINDER PALMEHRA	Cole Information Services
	ROCKYS TRAINING CTR	Cole Information Services
	DARSHAN SINGH	Cole Information Services
	PAWAN NEUPANE	Cole Information Services
	UNITED CAREER CTR INC	Cole Information Services
	K LAMA	Cole Information Services
1991	Island Coffee Shop	NYNEX Information Resource Company
1983	Academy Coffee Shop	New York Telephone
	Lew Wah Fong	New York Telephone
1976	Kee Poy Tom	New York Telephone
	Academy Coffee Shop	New York Telephone
1970	Kee Poy Tom	New York Telephone
	Lew Wah Tung	New York Telephone
	Academy Coffee Shop	New York Telephone
1967	Academy Coffee Shop	New York Telephone
	Lew Wah Tung	New York Telephone
1962	Academy Lunchnet	New York Telephone Directory
	Di Cesare & Monaco Concrete Const Corp	New York Telephone Directory
	Scope Labs Inc	New York Telephone Directory
1945	Otto P lunchnet	New York Telephone
	Tribble Frank	New York Telephone
1939	Otto P lunchnet	New York Telephone Company
1934	Academy Luncheonette Steph L Walsh	R. L. Polk & Co.
	Falk Irwin dentist	R. L. Polk & Co.
	Osborn Hunter slsmn	R. L. Polk & Co.

4123 29TH ST

Year	Uses	Source
2017	SEAN SOFTCHECK	Cole Information Services
	KAPIL AGGARWAL	Cole Information Services
	29TH ST PLUMBING HEATING & COOLING	Cole Information Services
2014	JESSE CLAY	Cole Information Services
	29TH ST PLUMBING HEATING & COOLING	Cole Information Services
	DANIEL FIGURA	Cole Information Services
2009	KAPIL AGGARWAL	Cole Information Services

FINDINGS

Year	Uses	Source
2009	JON HA	Cole Information Services
	MAMAKINA RESTAURANT	Cole Information Services
2005	Guerra A v	Hill-Donnelly Information Services
	Mamakina Deli	Hill-Donnelly Information Services
	Aman Palace 2 R	Hill-Donnelly Information Services
2004	AMAN PALACE	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2000	Aman Palace	Cole Information Services
	Master Cabbie Tx	Cole Information Services
	New Star Dali	Cole Information Services
1999	NEW STAR DELI	Cole Information Services
	MASTER CABBIE TAXI ACADEMY	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
	AMAN PALACE	Cole Information Services
1991	Gilbert Nathaniel G	NYNEX Information Resource Company
	Gilbert Tucker Assocs Inc	NYNEX Information Resource Company
	Magnagraph Visual Control Systems	NYNEX Information Resource Company
1983	Gilbert Nathaniel G	New York Telephone
	GILBERT TUCKER ASSOCS INC	New York Telephone
	MAGNAGRAPH VISUAL CONTROL SYSTEMS	New York Telephone
1967	Peterson Evangeline	New York Telephone
	Petersons Restrnt	New York Telephone
1962	Peterson Evangeline	New York Telephone Directory
	Petersons Restrnt	New York Telephone Directory
1934	Sindlinger Emil Inc NY cap $300000 Emil Sindlinger pres Adolph Sindlinger sec John Winand treas restr	R. L. Polk & Co.
	Winand John Hedwig treas Emil Lindlinger Inc	R. L. Polk & Co.

4124 29TH ST

Year	Uses	Source
2017	LISA FARMER	Cole Information Services
	N AVILA	Cole Information Services
	YUNHSIU CHAO	Cole Information Services
	ROBERT COLUCCI	Cole Information Services
	ST GEORGES INTERIORS INC	Cole Information Services
	BRINDER RATTU	Cole Information Services
	MARGUERITE DAY	Cole Information Services

FINDINGS

Year	Uses	Source
2017	JISOO OK	Cole Information Services
	213 W 40TH ST MGMT INC	Cole Information Services
	WILSON VACA	Cole Information Services
2014	JISOO OK	Cole Information Services
	ST GEORGES INTERIORS INCORPORATED	Cole Information Services
	LISA FARMER	Cole Information Services
	AHMAL MADBOULY	Cole Information Services
	ATEF MOHAMED	Cole Information Services
	BRYAN CAMPO	Cole Information Services
	SONJA RYST	Cole Information Services
	WILSON VACA	Cole Information Services
	BRINDER RATTU	Cole Information Services
	213 W 40TH STREET MANAGEMENT INCORPO	Cole Information Services
2009	MICHAEL FARMER	Cole Information Services
	HUMA DAHA	Cole Information Services
	VROENHOZEN ZAN	Cole Information Services
	LACHMAN RATTU	Cole Information Services
	THARWAT MOHAMED	Cole Information Services
	MARGUERITE DAY	Cole Information Services
	HECTOR DELCURTO	Cole Information Services
	JASON ARNSTEIN	Cole Information Services
	OSCAR FIERRO	Cole Information Services
	ESSAM MADBOULI	Cole Information Services
	AHMED MADBOULY	Cole Information Services
	CELESTE VROENHOZEN	Cole Information Services
2005	Multi Unit Address	Hill-Donnelly Information Services
	Numbr 5 C Chao Tung Hsin A	Hill-Donnelly Information Services
	Day M	Hill-Donnelly Information Services
	Numbr 2 A Del Curto Hector v	Hill-Donnelly Information Services
	Numbr 1 C h Fierro Oscar	Hill-Donnelly Information Services
	Numbr 5 A h Fleischer F	Hill-Donnelly Information Services
	Numbr ICh Galnza Juan	Hill-Donnelly Information Services
	Hag Plumbing & Heating Inc	Hill-Donnelly Information Services
	Numbr 28 h Madboli Magdi	Hill-Donnelly Information Services
	h Mohamed T	Hill-Donnelly Information Services
	Numbr 1 C h Vaca Wilson	Hill-Donnelly Information Services
2004	MARGUERITE DAY	Cole Information Services

FINDINGS

Year	Uses	Source
2004	SHERICA VALLADARES	Cole Information Services
	WILSON VACA	Cole Information Services
	ESSAM MADBOULI	Cole Information Services
	THARWAT MOHAMED	Cole Information Services
	MAGDI MADBOLI	Cole Information Services
	LACHMAN RATTU	Cole Information Services
	LISA FARMER	Cole Information Services
	JUAN GAINZA	Cole Information Services
	HUMA DAHA	Cole Information Services
	HAG PLUMBING & HEATING	Cole Information Services
	JULIA SMITH	Cole Information Services
2000	Tung H Chao	Cole Information Services
1994	CHAO, TUNG HSIN	Cole Information Services
	FUNG, NGAN QIU	Cole Information Services
	LI, HUA ZHAO	Cole Information Services
	GARCES, NILDA	Cole Information Services
	NEW STAR DELI	Cole Information Services
	SHEEHAN, JOSEPHINE	Cole Information Services
1991	Chao Tung Hsin	NYNEX Information Resource Company
	Haikal Hamdy	NYNEX Information Resource Company
	New Star Deli	NYNEX Information Resource Company
	Sheehan Josephine	NYNEX Information Resource Company
	Wong Sum Mei	NYNEX Information Resource Company
1983	Gumowitz A & A rl est	New York Telephone
	Ma Wah Tung	New York Telephone
	Monge Nilda	New York Telephone
	Tam Yung Chi	New York Telephone
	Velez Mario	New York Telephone
1976	Condon Patk	New York Telephone
	Diaz Vincent	New York Telephone
	Eng Hang G	New York Telephone
	Georgetown Industries	New York Telephone
	Gumowitz A & A rl est	New York Telephone
	Hickey Josephine	New York Telephone
	Malpeli Ermanno	New York Telephone
1970	Condo Patk	New York Telephone
	Equale N Anthony atty	New York Telephone
	Georgetown Industries	New York Telephone

FINDINGS

Year	Uses	Source
1970	Gumowitz A & A rl est	New York Telephone
	Kolar Frank	New York Telephone
	Manolatos Dimitri	New York Telephone
	Pena Ramon	New York Telephone
	Quincuti Heriberto	New York Telephone
	Quinn C A	New York Telephone
	Quinn Terance J	New York Telephone
	Speckert Anna	New York Telephone
1967	Speckert Anna	New York Telephone
	Tremblay Yvette Mrs	New York Telephone
	Weber L	New York Telephone
	Condon Patk	New York Telephone
	Coupland DArcy E	New York Telephone
	DeRosier Ernest	New York Telephone
	Donegan John	New York Telephone
	Donna Gift Advtg Co	New York Telephone
	Equale N Anthony atty	New York Telephone
	Georgetown Indstries	New York Telephone
	Gumowitz A & A rl est	New York Telephone
	Howell Peter B Jr	New York Telephone
	Pena Ramon	New York Telephone
	Serra Henry L atty	New York Telephone
	Vorrias Nick	New York Telephone
1962	Bates Fred	New York Telephone Directory
	Coupland Mary Mrs	New York Telephone Directory
	Crim Ted	New York Telephone Directory
	DeRosier Ernest	New York Telephone Directory
	Donegan John	New York Telephone Directory
	Equale N Anthony atty	New York Telephone Directory
	Kerdavid Helene Mrs	New York Telephone Directory
	Serra Henry L atty	New York Telephone Directory
	Serra Henry L Inc	New York Telephone Directory
	Speckert Anna	New York Telephone Directory
	Stauch Eliz W	New York Telephone Directory
	Tremblay Yvette Mrs	New York Telephone Directory
	Weber L	New York Telephone Directory
	Zehner Murray H	New York Telephone Directory
1945	Bates Howard	New York Telephone

FINDINGS

Year	Uses	Source
1945	Campbell Frank T	New York Telephone
	Dinnegan Michl	New York Telephone
	Du Four Arthur	New York Telephone
	Heffernan Anna	New York Telephone
	Heffernan Anna	New York Telephone
	Kelley Anna C	New York Telephone
1939	Allstadt Carl	New York Telephone Company
	Denton Dorothy Miss	New York Telephone Company
	Mc Lean Walter	New York Telephone Company
	Nash Reginald H	New York Telephone Company
	Serra Frank J b	New York Telephone Company
	The Elec Shop	New York Telephone Company
1934	Heffernan Jas W J Heffernan & Sons	R. L. Polk & Co.
	Heffernan Michl W J Heffernan & Sons	R. L. Polk & Co.
	Heffernan Wm J Mae Wm J Heffernan & Sons	R. L. Polk & Co.
	Himmel Rudelph	R. L. Polk & Co.
	Johnson Agnes wid Clifton	R. L. Polk & Co.
	Keller Max waiter Mhn	R. L. Polk & Co.
	Larkin Jas Mae A	R. L. Polk & Co.
	Larkin Mae Maes Beauty Shoppe	R. L. Polk & Co.
	Maes Beauty Shoppe Mae Larkin beauty shop	R. L. Polk & Co.
	Mc Carthy Wm porter	R. L. Polk & Co.
	Strassburg Josephine wid Gerhard	R. L. Polk & Co.
	Weber Gust Ave Lena barber	R. L. Polk & Co.
	Collins John P stmftr	R. L. Polk & Co.
	Campbell Frank Rose carp	R. L. Polk & Co.
	Cleary John Margt chauf	R. L. Polk & Co.
	Gemmell Elizabeth wid Jas	R. L. Polk & Co.
	Hackett Jos May supt	R. L. Polk & Co.
	Hefferman Ambrose	R. L. Polk & Co.
	Hefferman Jas chauf	R. L. Polk & Co.

4126 29TH ST

Year	Uses	Source
1991	Hallmark Elevator Inc	NYNEX Information Resource Company
1983	Hallmark Findings Inc Hksvl No Charge To Caling Party Ask Operator For Enterprise 4238	New York Telephone

FINDINGS

Year	Uses	Source
1983	Hallmark Elevator Inc	New York Telephone
1970	Sasso John	New York Telephone
1967	Sasso John	New York Telephone
1962	Ferayorni Arnold	New York Telephone Directory

4127 29TH ST

Year	Uses	Source
2005	Fortune Society Drop In Ctr	Hill-Donnelly Information Services
2004	FORTUNE SOCIETY DROPPING CTR	Cole Information Services
	FORTUNE SOCIETY ADVOCACY	Cole Information Services
1999	SHARP RESEARCH CORPORATION	Cole Information Services
1994	SHARP RESEARCH CORP	Cole Information Services
1991	Helmsley Spear Inc	NYNEX Information Resource Company
	Timpanaro Ralph M	NYNEX Information Resource Company
1945	Connelly John R atty	New York Telephone
	Electric Shop	New York Telephone
	Lundgren Wm O lwyr	New York Telephone
1939	Lundgren Wm O lwyr	New York Telephone Company
	The Elec Shop Annex	New York Telephone Company
1934	Ritter Swenson Corp NY Wm C Ritter prews Axel J Swenson sec treas real est ins	R. L. Polk & Co.
	Payne Benj B Clementine A T & B B Payne lawyer	R. L. Polk & Co.
	Payne Alvan T Daisy A T & B B Payne lawyer	R. L. Polk & Co.
	Payne A T & B B Alvan T and Benj B lawyers	R. L. Polk & Co.

4134 29TH ST

Year	Uses	Source
1934	Degan Saml gas sta Val Stream LI	R. L. Polk & Co.

4141 29TH ST

Year	Uses	Source
1939	Baier Martin	New York Telephone Company

4148 29TH ST

Year	Uses	Source
1934	Peevers Wm Winifred	R. L. Polk & Co.

FINDINGS

40TH AVE

2701 40TH AVE

Year	Uses	Source
2005	Garcia J v	Hill-Donnelly Information Services
	h Moreno Rayueline 0718 706 0789 8s	Hill-Donnelly Information Services
2000	R Moreno	Cole Information Services
1991	Lomaglio R	NYNEX Information Resource Company
	Moreno R	NYNEX Information Resource Company
	Palomba Rocco M	NYNEX Information Resource Company
1983	Higgins Martin	New York Telephone
	Lomaglio R	New York Telephone
	Palomba Rocco M	New York Telephone
1976	Conte Ralph	New York Telephone
	Lomaglio Fonda	New York Telephone
	Higgins Martin	New York Telephone
1970	Lomaglio Fonda	New York Telephone
	Carragher Richd E	New York Telephone
	Conte Ralph	New York Telephone
	DAlessandro John	New York Telephone
1967	Conte Ralph	New York Telephone
	DAlessandro John	New York Telephone
	Lomaglio Fonda	New York Telephone
1962	Conte Ralph	New York Telephone Directory
	Lomaglio Maryann	New York Telephone Directory
	Moloney Richd R	New York Telephone Directory
1934	Aposhian John chauf	R. L. Polk & Co.
	Gallichio Jeanne drsmkr	R. L. Polk & Co.
	Gallichio Rocco Madeline porter	R. L. Polk & Co.
	Hatzakorsian Detrak Christian golf club plshr	R. L. Polk & Co.
	Massiello Angelo Rose bootblk	R. L. Polk & Co.

2703 40TH AVE

Year	Uses	Source
2005	RHR Sales Inc	Hill-Donnelly Information Services
1991	Augies Auto Leasing & Repr Inc	NYNEX Information Resource Company
1983	Tropical Bird Imports	New York Telephone
1976	Intermares Dstrbtn Corp	New York Telephone
1962	Bechik Prods Inc	New York Telephone Directory

FINDINGS

2704 40TH AVE

Year	Uses	Source
1945	Winkle Ernest	New York Telephone
	Stozzetto Jos	New York Telephone
1939	Stozzetto H Mrs statnry	New York Telephone Company
1934	Jennette Chas Carmela shoe repr	R. L. Polk & Co.

2708 40TH AVE

Year	Uses	Source
2005	Alfred Mainzer Inc	Hill-Donnelly Information Services
	Alma Publishing Co	Hill-Donnelly Information Services
2000	Alfred Mainzer Inc 9 t	Cole Information Services
	Alma Publishing	Cole Information Services
	Mainzer Alfred Inc	Cole Information Services
1991	Keating Line Inc cards	NYNEX Information Resource Company
	Mainzer Alfred Inc cds	NYNEX Information Resource Company
1983	Keating Line Inc cards	New York Telephone
	Mainzer Alfred Inc cds	New York Telephone
1970	Marshall Const CoInc	New York Telephone
1967	TelkeeMoore Co key systms	New York Telephone
1962	MOORE P O INC key systms	New York Telephone Directory
	Sunroc Co Inc watr coolers	New York Telephone Directory
	TELKEE MOORE CO key systms	New York Telephone Directory
1934	Di Cenzio Paul Minnie chauf Mhn	R. L. Polk & Co.

2709 40TH AVE

Year	Uses	Source
2005	Alpians Garment Care is	Hill-Donnelly Information Services
	Fancy Tailor Shop i718	Hill-Donnelly Information Services
	Motors Rheinland 1 R	Hill-Donnelly Information Services
	Rheinland Motors LTD I s	Hill-Donnelly Information Services
	World Class Garment Care	Hill-Donnelly Information Services
2000	29TH ST INTS FROM	Cole Information Services
	Fancy Tailor Shop	Cole Information Services
	Rheinland Mtrs Ltd	Cole Information Services
	28TH ST INTS FROM	Cole Information Services
1991	Rheinland Motors Ltd	NYNEX Information Resource Company
1983	Modern Glass Creations Inc	New York Telephone
	Eck & Krebs Scientific Lab Glass Apparatus Inc	New York Telephone

Year	Uses	Source
1976	ECK & KREBS SCIENYTFIC LAB GLASS APPARATUS INC	New York Telephone
1970	Eck & Krebs Scientific Lab Glass Apparatus Inc	New York Telephone
1967	Eck & Krebs Inc glass blowng	New York Telephone
1962	Eck & Krebs Inc glass blowng	New York Telephone Directory

2716 40TH AVE

Year	Uses	Source
2005	Corporate Loss Prevention	Hill-Donnelly Information Services

2718 40TH AVE

Year	Uses	Source
1970	Ventnore Asbentos Co Inc	New York Telephone
	Spania Geo A b	New York Telephone
1967	Ventnore Asbestos ColnC	New York Telephone
	Spanla Geo A O	New York Telephone
1962	Veatnore Asbestos Co Inc	New York Telephone Directory
	Spania Geo A b	New York Telephone Directory
1945	Ventnore Asbestos Co	New York Telephone
	Spania Geo A b	New York Telephone
1934	Misisco Edw J Vera clk	R. L. Polk & Co.
	Fusco Anthony Anna clk	R. L. Polk & Co.

2720 40TH AVE

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Information Services

2908 40TH AVE

Year	Uses	Source
2004	OCCUPANT UNKNOWN	Cole Information Services
2000	Artistic Fshns Inc	Cole Information Services
1999	KEARNEY EDWARD B COMPANY INCORPORATED PLUMBING & HEATING	Cole Information Services
1994	KEARNEY EDWARD B CO INC, PLMBNG & HTNG	Cole Information Services
1991	Kearney Edward B Co Inc plmbng & htng	NYNEX Information Resource Company

2910 40TH AVE

Year	Uses	Source
1934	Howard Wm H	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Howard Wm Louise	R. L. Polk & Co.
	Clark John	R. L. Polk & Co.

2911 40TH AVE

Year	Uses	Source
1945	Dietrich & Todd auto reprs	New York Telephone
1934	Moller Aug Marie horse shoers	R. L. Polk & Co.

2912 40TH AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2005	2914 NCL	Hill-Donnelly Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
1994	DEGNAN, JOHN	Cole Information Services
	RIEGER, GERRY	Cole Information Services
	SCOTTO, STEVEN	Cole Information Services
1991	Degnan John	NYNEX Information Resource Company
1983	Smith Sophie Mrs	New York Telephone
1976	Bonavolonta Florence	New York Telephone
1970	Smith Sophie Mrs	New York Telephone
	Bonavolonta Florence	New York Telephone
1967	Bonavolonta Florence	New York Telephone
	Smith Sophie Mrs	New York Telephone
1962	Smith Sophie Mrs	New York Telephone Directory
	Bonavolonta Florence	New York Telephone Directory
1945	Smith Sophie Mrs	New York Telephone
	Bonavolonta Florence	New York Telephone
1939	Bonavolonta Florence Miss	New York Telephone Company
1934	Bon Avolonta Elizabeth	R. L. Polk & Co.
	Bon Avolonta Florence bkpr Teepe Whitney Corp	R. L. Polk & Co.
	Bon Avolonta Ralph lab	R. L. Polk & Co.
	Bon Avolonta Sebastian tchr	R. L. Polk & Co.
	Smith Chas Sophie	R. L. Polk & Co.
	Smith Ray clk	R. L. Polk & Co.
	Steinmayer Margt	R. L. Polk & Co.
	Bon Avolonta Anthony clk	R. L. Polk & Co.

FINDINGS

2913 40TH AVE

Year	Uses	Source
1934	Bob Sinclair Gas & Service Station Robt Sinclair	R. L. Polk & Co.

2914 40TH AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
2000	Bjom Vonschlebrug	Cole Information Services
1994	VON SCHLEBRUGGE, BJORN	Cole Information Services
	LAURIE, DUNCAN	Cole Information Services
	LAURIE, D	Cole Information Services
1991	Laurie D	NYNEX Information Resource Company
	Laurie Duncan	NYNEX Information Resource Company
1983	Schuttinger Chas E	New York Telephone
1962	Schuttinger Chas E	New York Telephone Directory
1934	Louman Albert Ruth printer	R. L. Polk & Co.

2915 40TH AVE

Year	Uses	Source
1962	Winsted Steel Ball Sales Corp	New York Telephone Directory

2916 40TH AVE

Year	Uses	Source
2014	MATCO CONSTRUCTION	Cole Information Services
	TECTONIC ENGINEERING	Cole Information Services
2009	TECTONIC ENGINEERING SURVEYING CONSO	Cole Information Services
2005	Hyde Park Fine Art Mouldings	Hill-Donnelly Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
	HYDE PARK FINE ART OF MOULDING INC	Cole Information Services
2000	Hyde Prk Fu Art	Cole Information Services
1999	HYDE PARK FINE ART OF MOLDING COMPANY	Cole Information Services
1994	HYDE PARK FINE ART & MOLDING CO	Cole Information Services
1991	Format Designs Ltd	NYNEX Information Resource Company
1983	Design Transformer Corp	New York Telephone
1976	Design Transformer Corp	New York Telephone
1962	Olvany Wm J Inc stm hoats	New York Telephone Directory

FINDINGS

2918 40TH AVE

Year	Uses	Source
1934	motion picture producers	R. L. Polk & Co.

2924 40TH AVE

Year	Uses	Source
2017	TECTONIC ENGINEERING	Cole Information Services
2014	NORMAN WENGLIN	Cole Information Services
2009	NORMAN WENGLIN	Cole Information Services
	THL INC	Cole Information Services
2005	h Wenglln C	Hill-Donnelly Information Services
2004	NORMAN WENGLIN	Cole Information Services
2000	C Wenglin	Cole Information Services
	Urbani Trffls Inc	Cole Information Services
	Urbani USA Whol	Cole Information Services
1999	URBANI USA WHOLESALE DIVISION	Cole Information Services
1994	PLAYGROUND CORP OF AMERICA	Cole Information Services
	MODULAR AQUA SYSTEMS INC	Cole Information Services
	K A L REALTY	Cole Information Services
	THERAPLAY PRODS	Cole Information Services
1991	International Marketing Specialists Inc	NYNEX Information Resource Company
	K A L Realty	NYNEX Information Resource Company
	KAT Import Brokers Hook Crk Blvd &	NYNEX Information Resource Company
	Modular Aqua Systems Inc	NYNEX Information Resource Company
	Modutank Inc	NYNEX Information Resource Company
	PCA Industries Inc	NYNEX Information Resource Company
	Playground Corp Of America	NYNEX Information Resource Company
	Theraplay Prods	NYNEX Information Resource Company
1983	International Marketing Specialists Inc	New York Telephone
	Architectural Lighting Corp	New York Telephone
	Modutank Inc	New York Telephone
	Nassau World Trading Ltd	New York Telephone
	PCA Industries Inc	New York Telephone
	Playground Corp Of America	New York Telephone
	Theraplay Prods	New York Telephone
	Modular Aqua Systems Inc	New York Telephone
1976	Ace Buckram Corp	New York Telephone
	Architectural Lighting Corp	New York Telephone
1970	Ace Buckram Corp	New York Telephone
	Ace Builders Supl Co Inc	New York Telephone

Year	Uses	Source
1970	Playground Corp of Amer	New York Telephone
	West Refrigeratn Co	New York Telephone
1967	Ace Buckram Corp	New York Telephone
	West Refrigeratn Co	New York Telephone
1962	Ace Buckram Corp	New York Telephone Directory
	West Refrigeratn Co	New York Telephone Directory
1939	Ricard Garage	New York Telephone Company
1934	Gouger Frank v pres Jewett Machine Co Inc	R. L. Polk & Co.
	Helbig Frank sec treas Jeweth Mach Co Inc	R. L. Polk & Co.
	Jewett Machine Co Inc Cap $40000 Neal Jewett pres John Gouger v pres Frank Helbig sec treas auto reprs	R. L. Polk & Co.

2932 40TH AVE

Year	Uses	Source
1983	Bonavolonta Florence	New York Telephone

2954 40TH AVE

Year	Uses	Source
2005	h Data Boards	Hill-Donnelly Information Services
2000	30TH ST INTS FROM	Cole Information Services
	Data Boards	Cole Information Services
1999	DATA BOARDS	Cole Information Services
1994	DATA BOARDS	Cole Information Services
1991	Data Boards	NYNEX Information Resource Company

40TH RD

2901 40TH RD

Year	Uses	Source
2005	Atlantic Research Labs Corp	Hill-Donnelly Information Services
2004	ATLANTIC RESEARCH LABS CORP	Cole Information Services
2000	Atlntc Rsrch Labs	Cole Information Services
1999	ATLANTIC RESEARCH LABS CORPORATION	Cole Information Services

2905 40TH RD

Year	Uses	Source
2005	Lock Al Emergency Locksmith	Hill-Donnelly Information Services
	Lock 2000 Locksmiths Is	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2004	NELLY JARAMILLO	Cole Information Services
2000	Wilson Alves	Cole Information Services
	Atlntc Rsrch Lab	Cole Information Services
1994	ARLCO INDUSTRIES CORP	Cole Information Services
	ATLANTIC RESEARCH LABS CORP	Cole Information Services
1991	Atlantic Research Labs Corp	NYNEX Information Resource Company
1983	Atlantic Research Labs Corp	New York Telephone
1976	Atlantic Research Labs Corp	New York Telephone
1970	Atlantic Research Labs Corp	New York Telephone
1967	Atlantic Research Labs Corp	New York Telephone
1962	Atlantic Research Labs Corp	New York Telephone Directory
1939	Le Cour Harold J Inc	New York Telephone Company
	Chalupa Jos mach wks	New York Telephone Company
	JC Mach Wks	New York Telephone Company

2907 40TH RD

Year	Uses	Source
2005	Wilson Jewelry Is 718 482 7753 oi	Hill-Donnelly Information Services
1994	ALVES, WILSON	Cole Information Services
1991	Nuculovic L	NYNEX Information Resource Company
1983	Creations By Virgil Inc	New York Telephone
1970	Trend Eyewear Corp	New York Telephone
1967	ABC Elevator Co Inc	New York Telephone
	C & C ELEVATOR CO	New York Telephone

2908 40TH RD

Year	Uses	Source
1970	Coyne David & Co Inc	New York Telephone
1967	Coyne David & Co Inc	New York Telephone

2909 40TH RD

Year	Uses	Source
1934	Pokorny & Groser Inc cap $50 000 Henry G Pokorny pres treas Fred G Groser v pres sec plmbrs supplies	R. L. Polk & Co.

2911 40TH RD

Year	Uses	Source
2005	Zapas John	Hill-Donnelly Information Services
	Zapas John	Hill-Donnelly Information Services
2000	Golden Dental Lab	Cole Information Services

FINDINGS

Year	Uses	Source
1999	DUMITRU LIANA DDS	Cole Information Services
	GOLDEN DENTAL LABORATORY	Cole Information Services
1994	GOLDEN DENTAL LAB	Cole Information Services
1991	GOLDEN DENTAL LAB	NYNEX Information Resource Company
1983	Computer Maintenance Corp	New York Telephone
	CMC Equipt	New York Telephone
	A CMC Co	New York Telephone
1976	Computer Maintenance Corp	New York Telephone
	CMC Equipt	New York Telephone
	A CMC Co	New York Telephone
1970	Olk Kurt	New York Telephone
1967	Olk Kurt Irn wks	New York Telephone
1962	Olk Kurt irn wks	New York Telephone Directory
1945	Moller A horseshr	New York Telephone
1939	Moller A horseshr	New York Telephone Company

2913 40TH RD

Year	Uses	Source
1976	Curtiss Lee	New York Telephone
1970	Curtiss Lee	New York Telephone
1967	Curtiss Lee	New York Telephone
1962	Curtiss Lee	New York Telephone Directory
1939	Denecke Henry	New York Telephone Company
1934	Doyle Thos Margt	R. L. Polk & Co.
	Drumm Herman Carolyn	R. L. Polk & Co.
	Drumm Julia musician	R. L. Polk & Co.

2915 40TH RD

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
	OAKWOOD BUILDING SUPPLY CORP	Cole Information Services
2000	Lupoli Service Stn	Cole Information Services
1999	LUPOLI SERVICE STATION	Cole Information Services
1983	Banner Express & Trucking Corp	New York Telephone
	Amer Transatlantic Package Forwarders Inc	New York Telephone
1976	Hi Gear Performance	New York Telephone
1970	Bales Garage	New York Telephone

FINDINGS

Year	Uses	Source
1967	Bales Garage	New York Telephone
1962	Bales Garage	New York Telephone Directory
1945	Lawson Walter auto repr	New York Telephone
	Franklin Graham Svce	New York Telephone
	Bales Garage	New York Telephone
1939	Lawson Walter auto repr	New York Telephone Company
	Franklin Graham Svce	New York Telephone Company
	Bales Garage	New York Telephone Company
1934	American Motor Coach Works TN Frank Burke Frank Novothy	R. L. Polk & Co.

2916 40TH RD

Year	Uses	Source
1934	Boisvert Albert Mary slsmn	R. L. Polk & Co.
	Hoenisch Herman	R. L. Polk & Co.
	Sarris Theo Blanche	R. L. Polk & Co.

2918 40TH RD

Year	Uses	Source
1934	Kuehn Henry Mildred auto mech	R. L. Polk & Co.
	Kuehn Anna wid Frank	R. L. Polk & Co.

2920 40TH RD

Year	Uses	Source
1967	Amer Rubbr Type Coro	New York Telephone
1962	Lee O Lite Corp	New York Telephone Directory
1934	Lee Virginia	R. L. Polk & Co.
	Lee Wm Emily	R. L. Polk & Co.

2921 40TH RD

Year	Uses	Source
2005	Carl Fischer Print Shop	Hill-Donnelly Information Services
2004	CARL FISCHER INC	Cole Information Services
	NOEL VIDRO	Cole Information Services
2000	Carl Fschr Prt Shp	Cole Information Services
1994	SIMKNIT	Cole Information Services
1991	Simknit	NYNEX Information Resource Company
1934	Hohiweck Anna wid John	R. L. Polk & Co.
	Rowold Antonia wid Herman	R. L. Polk & Co.

FINDINGS

2922 40TH RD

Year	Uses	Source
1962	Ryan Edw	New York Telephone Directory
1939	Morrison Margaret Mrs	New York Telephone Company
1934	Schwab Minnie clnr	R. L. Polk & Co.
	Schwab Josephine slswn	R. L. Polk & Co.
	Schwab Jos lab dept WSG & E	R. L. Polk & Co.
	Schwab Antoinette	R. L. Polk & Co.
	Schwab Michl	R. L. Polk & Co.

2923 40TH RD

Year	Uses	Source
2009	ELRAC INC	Cole Information Services
2005	Galas Framing Svc Inc	Hill-Donnelly Information Services
2004	GALAS FRAMING SERVICES INC	Cole Information Services
2000	Galas Framing Svc	Cole Information Services
1999	GALAS FRAMING SVCE INCORPORATED	Cole Information Services
1994	ENTERPRISE RENT-A-CAR	Cole Information Services
1991	Plaza Stationery & Prntng Inc	NYNEX Information Resource Company
1983	PLAZA STATIONERY & PRNTNG INC	New York Telephone
	PLAZA STATIONERY & PRNTNG INC	New York Telephone
1970	E M L Heatseal Corp	New York Telephone
	Minerva Heico Mfg Co Inc	New York Telephone
1967	Bonnie Fair Prods Co	New York Telephone
	EML Heatseal Corp	New York Telephone
	Minerva Heico Mfg Co Inc	New York Telephone
1962	Minerva Heico Mfg Co Inc	New York Telephone Directory
1945	Prest O Sales & Service Inc weldg equip & supp	New York Telephone
	Weldrite Co Inc weldg	New York Telephone
1939	Prest O Sales & Service Inc weldg equip & supp	New York Telephone Company

2926 40TH RD

Year	Uses	Source
1970	Sossner Marking Machy Inc	New York Telephone
1967	Leda Cabinets	New York Telephone
1945	Arrow Dura Wheel Inc	New York Telephone
1934	Dr Eric Saegabarth mgr chemists	R. L. Polk & Co.

FINDINGS

2927 40TH RD

Year	Uses	Source
2017	FAIRFIELD INN & SUITES NEW YORK QUEE	Cole Information Services
2014	FAIRFIELD INN & SUITES NEW YORK QUEE	Cole Information Services

40TH ST

2701 40TH ST

Year	Uses	Source
1934	Gallichio Paul sta eng	R. L. Polk & Co.
	Gallichio Michl plstr	R. L. Polk & Co.

2710 40TH ST

Year	Uses	Source
1934	Gallichio Grace drsmkr	R. L. Polk & Co.

41 AU

2928 41 AU

Year	Uses	Source
1962	Carsen Cards	New York Telephone Directory

4110 29TH ST

819 4110 29TH ST

Year	Uses	Source
1962	Internatl Brotherhood of Teamsters & Chauffeurs Locals	New York Telephone Directory

41DY

3027 41DY

Year	Uses	Source
1934	Kienzle Wm lab	R. L. Polk & Co.

41ST

2505 41ST

Year	Uses	Source
1939	Esposito Valentine P	New York Telephone Company
	Lessner Frank	New York Telephone Company

FINDINGS

Year	Uses	Source
1939	Tesar Louis	New York Telephone Company

2512 41ST

Year	Uses	Source
1962	Parlato David	New York Telephone Directory
1939	Tesar Edw A	New York Telephone Company

2516 41ST

Year	Uses	Source
1939	Clancy Mary A Mrs	New York Telephone Company
	Blue White Laundry	New York Telephone Company
	Levine Aaron	New York Telephone Company

2519 41ST

Year	Uses	Source
1939	Feit Jos	New York Telephone Company

2520 41ST

Year	Uses	Source
1939	Decker Max	New York Telephone Company

2523 41ST

Year	Uses	Source
1939	Posik Jos W	New York Telephone Company
	Purdy Lucy RN	New York Telephone Company

2524 41ST

Year	Uses	Source
1939	Then Alois	New York Telephone Company

2525 41ST

Year	Uses	Source
1939	De Meo Peter tile marbl	New York Telephone Company
	Mc Cormick M	New York Telephone Company

2526 41ST

Year	Uses	Source
1939	Krahe Geo H	New York Telephone Company
	Frohnhoefer Eleanor	New York Telephone Company

FINDINGS

2527 41ST

Year	Uses	Source
1939	Burns C J supt dept watr supply gas & elec	New York Telephone Company

2532 41ST

Year	Uses	Source
1939	Grothe R G	New York Telephone Company

2533 41ST

Year	Uses	Source
1939	Granieri Amelia Mrs	New York Telephone Company

2536 41ST

Year	Uses	Source
1939	Horvath S	New York Telephone Company
	Krajnyak John	New York Telephone Company

2546 41ST

Year	Uses	Source
1939	Hefner Jos J Jr	New York Telephone Company

2549 41ST

Year	Uses	Source
1939	Kertin Thos	New York Telephone Company

2559 41ST

Year	Uses	Source
1939	Rubano Julius	New York Telephone Company
	Greenberg Irving	New York Telephone Company
	Johnson O	New York Telephone Company
	Rubano Julius	New York Telephone Company

2560 41ST

Year	Uses	Source
1939	Naegell Chas	New York Telephone Company

2562 41ST

Year	Uses	Source
1939	Knauer Margaret J Mrs	New York Telephone Company

FINDINGS

2567 41ST

Year	Uses	Source
1939	Schneider Eliz	New York Telephone Company
	Schneider Henry	New York Telephone Company

2570 41ST

Year	Uses	Source
1939	Hummel Vivien E Mrs	New York Telephone Company
	Mitchell W D	New York Telephone Company
	Skelley Dolina N Mrs	New York Telephone Company

2573 41ST

Year	Uses	Source
1939	Gallagher Wm J	New York Telephone Company

2577 41ST

Year	Uses	Source
1939	Recknagel Arthur	New York Telephone Company

2585 41ST

Year	Uses	Source
1939	Schiller Arthur A	New York Telephone Company

2595 41ST

Year	Uses	Source
1939	Herkus David T MD	New York Telephone Company

2625 41ST

Year	Uses	Source
1962	IW Arm Wks Inc brss	New York Telephone Directory

2640 41ST

Year	Uses	Source
1962	MOSCHELLA CONTROTG CORP	New York Telephone Directory

2820 41ST

Year	Uses	Source
1939	Berger J Iron wks	New York Telephone Company
	Atlantic Iron Wks Inc	New York Telephone Company

FINDINGS

2824 41ST

Year	Uses	Source
1939	Foley Jos A	New York Telephone Company
	Cohen Morris	New York Telephone Company

2832 41ST

Year	Uses	Source
1934	Woehrle Lucy	R. L. Polk & Co.

2834 41ST

Year	Uses	Source
1939	Schmittberger Thos mdrlkr	New York Telephone Company
	Schmittberger John	New York Telephone Company

2835 41ST

Year	Uses	Source
1962	Lichstein David	New York Telephone Directory
1939	Simmons John	New York Telephone Company
	Portnoy Sam	New York Telephone Company
	Nussbaum Jack	New York Telephone Company
	Norman Aaron	New York Telephone Company
	Mast Aaron	New York Telephone Company
	La padura Frances	New York Telephone Company
	Hill John	New York Telephone Company

2841 41ST

Year	Uses	Source
1939	Mulligan A C Mrs	New York Telephone Company

2846 41ST

Year	Uses	Source
1939	Ashman Thee R	New York Telephone Company
	Golkin Jeanne	New York Telephone Company
	Groeniger Geo H	New York Telephone Company
	Hirschler Richd	New York Telephone Company
	Kennedy E M Miss	New York Telephone Company
	Leichter Louis H	New York Telephone Company
	Mittler Henrietta	New York Telephone Company
	Schneider Herman M	New York Telephone Company

FINDINGS

2849 41ST

Year	Uses	Source
1939	Farrell Peter	New York Telephone Company

2927 41ST

Year	Uses	Source
1939	Greater NY Fund Inc	New York Telephone Company

3011 41ST

Year	Uses	Source
1962	Cunningham Edw G	New York Telephone Directory
1939	Block Saml	New York Telephone Company
	Cunningham Edw G	New York Telephone Company
1934	Adametz Rudolph Lillian lab	R. L. Polk & Co.

41ST AVE

2493 41ST AVE

Year	Uses	Source
1934	Rodda Donald clk	R. L. Polk & Co.
	Rodda Caroline	R. L. Polk & Co.

2501 41ST AVE

Year	Uses	Source
1976	Lejarde Artemio	New York Telephone
	Joes Crescent Inn	New York Telephone
1970	Lorenz M	New York Telephone
	Joes Crscent Inc	New York Telephone
1967	Joes Crescent Inn	New York Telephone
1962	Neils Bar	New York Telephone Directory
	Lorenz Ernest W	New York Telephone Directory
1945	Cummings John	New York Telephone
	Cummings & Cunningham bar grill	New York Telephone
1939	Farrells Bar & Grill	New York Telephone Company

2502 41ST AVE

Year	Uses	Source
1939	Hillcrest Svce Sta	New York Telephone Company
1934	Consolidated Radio Co Vincent Gale Wm Oehler radio service	R. L. Polk & Co.

FINDINGS

2504 41ST AVE

Year	Uses	Source
2009	COMMUNICATION WORKERS AMERICAN	Cole Information Services
2005	Communications Workers America	Hill-Donnelly Information Services
2004	CWA LOCAL 1181	Cole Information Services
2000	Commctn Wikrs Amr	Cole Information Services
1994	COMMUNICATION WORKERS OF AMERICA AFL-CIO LOCAL 1181	Cole Information Services

2505 41ST AVE

Year	Uses	Source
2005	Keane Martin V	Hill-Donnelly Information Services
	Grassmyer Leslie v	Hill-Donnelly Information Services
2004	KAORI MORITOMO	Cole Information Services
	MARTIN KEANE	Cole Information Services
	LESLIE GRASSMYER	Cole Information Services
	M MURPHY	Cole Information Services
2000	Leslie Grassmyer	Cole Information Services
1934	Schwinn Emma	R. L. Polk & Co.
	Schwinn Geo	R. L. Polk & Co.
	Mc Donald Wm Margt lab	R. L. Polk & Co.

2506 41ST AVE

Year	Uses	Source
1970	Pub Tel	New York Telephone
	Pow Radio & Television Repr Shop	New York Telephone
1967	The Nielsen Store	New York Telephone
	Pub Tel	New York Telephone
1962	Eddies Tip Top Foods	New York Telephone Directory
	Pub Tel	New York Telephone Directory
	Eddies Tip Top Foods	New York Telephone Directory
1939	Chiarizio S restrnt	New York Telephone Company

2507 41ST AVE

Year	Uses	Source
1945	Timeus Chas B	New York Telephone
1939	Martinek Edw	New York Telephone Company
1934	Ferrara Angelina mach opr	R. L. Polk & Co.
	Ferrara Cath opr	R. L. Polk & Co.
	Ferrara John Delia	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Ferrara Kath fctywkr	R. L. Polk & Co.
	Ferrara Rose fctywr	R. L. Polk & Co.
	Ferrara Salvator chauf	R. L. Polk & Co.
	Guardia Adolph Gabrielle cook	R. L. Polk & Co.

2508 41ST AVE

Year	Uses	Source
1934	Chiarizio Achillo Theresa candy and cigars	R. L. Polk & Co.
	Chiarizio Saml clk	R. L. Polk & Co.

2509 41ST AVE

Year	Uses	Source
1999	INTERNATIONAL AUTO GROUP LLC	Cole Information Services
1934	Mino Jack Julia meat ctr	R. L. Polk & Co.
	Rogusio Stefane Grace ice dlr	R. L. Polk & Co.

2510 41ST AVE

Year	Uses	Source
2009	AARON WERNER	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
1970	Esposito Ralph	New York Telephone
1967	Esposito Ralph	New York Telephone
1962	Esposito Ralph	New York Telephone Directory
1934	Gentile Anthonio Anunziata clothes pressers and clnr	R. L. Polk & Co.
	Gentile Julius fcty wkr	R. L. Polk & Co.
	Gentile Michl taxi driver	R. L. Polk & Co.
	Galli Paul Eleanor papermkr	R. L. Polk & Co.
	Gentile Fred news dlr	R. L. Polk & Co.

2511 41ST AVE

Year	Uses	Source
2017	ARTHUR CAB LEASING CORP	Cole Information Services
2014	ARTHUR CAB LEASING CORPORATION	Cole Information Services
	AUTO DYNAMIC	Cole Information Services
2009	RONART LEASING CORP	Cole Information Services
	MITSEL LEONID	Cole Information Services
	AUTODYNAMIC REPAIR SHOP INC	Cole Information Services
	LEONID MITSEL	Cole Information Services
	MARCIA MANAGEMENT INC	Cole Information Services

FINDINGS

Year	Uses	Source
2009	PCS TAXI INC	Cole Information Services
	AUTO DYNAMIC	Cole Information Services
2005	Ronart Leasing Corp	Hill-Donnelly Information Services
	PCS Taxi Inc	Hill-Donnelly Information Services
	Mitsel Leonid	Hill-Donnelly Information Services
	Lic Autotech o	Hill-Donnelly Information Services
	Big Red Car Svc	Hill-Donnelly Information Services
	Auto Dynamic is	Hill-Donnelly Information Services
2004	DYNAMIC REPAIRS CORP	Cole Information Services
	LEONID MITSEL	Cole Information Services
	BIG RED CAR SERVICE	Cole Information Services
	RONART LEASING CORP	Cole Information Services
	KAMAL KOUIRI	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2000	Building B Ronart Lease Corp	Cole Information Services
1999	MITSEL LEONID	Cole Information Services
	PLAZA AUTO SPA INCORPORATED	Cole Information Services
	RONART LEASING CORPORATION	Cole Information Services
1994	NEW PLAZA AUTO SPA INC	Cole Information Services
	PARAMOUNT CAVIAR	Cole Information Services
	BLUE FOX SHUTTLE INC	Cole Information Services
	PLAZA AUTO SPA INC	Cole Information Services
1991	Plaza Auto Spa Inc	NYNEX Information Resource Company
1945	Beaver Transptn Corp	New York Telephone
1939	Beaver Transptn Corp	New York Telephone Company
1934	Ancona John service sta	R. L. Polk & Co.

2512 41ST AVE

Year	Uses	Source
2017	BETTER HOUSEWARE CORP	Cole Information Services
2009	BETTER HOUSEWARES CORP	Cole Information Services
	ROVEL CO INC	Cole Information Services
2005	h Rovel C w V 718 392 2123 o	Hill-Donnelly Information Services
	Better Houseware Corp	Hill-Donnelly Information Services
	h Mazon Januaria	Hill-Donnelly Information Services
2004	BETTER HOUSEWARE CORP	Cole Information Services
2000	Januaria Mazon	Cole Information Services
	Better Hswr Corp	Cole Information Services
	Herzbi Ltd	Cole Information Services

FINDINGS

Year	Uses	Source
2000	Rovel C	Cole Information Services
1999	BETTER HOUSEWARE CORPORATION	Cole Information Services
	ROVEL C	Cole Information Services
1994	HERZBI LTD	Cole Information Services
	ROVEL, C	Cole Information Services
	BETTER HOUSEWARE CORP	Cole Information Services
1991	Herzbi Ltd	NYNEX Information Resource Company
	Rovel C	NYNEX Information Resource Company
1983	Better Houseware Corp	New York Telephone
	Rovel Co	New York Telephone
1976	Better Houseware Corp	New York Telephone
1970	Better Houseware Co	New York Telephone
	Rovel Co	New York Telephone
1967	Better Houseware Co	New York Telephone
1962	A & J Doll Acesries Co	New York Telephone Directory
	Better Houseware Co	New York Telephone Directory
	Elias Bros	New York Telephone Directory
1945	Denver Products Corpn drug spclts	New York Telephone
	Exeter Hosry Mills Inc	New York Telephone
1939	Dingleman Textile Decorating Co	New York Telephone Company
	Aircraft Screw Prods Co Inc	New York Telephone Company
	Anderson Chemcl Sales Corp	New York Telephone Company
	Denver Pharmaceutical Mfg Co Inc	New York Telephone Company
	Denver Products Corpn drug spcits	New York Telephone Company
1934	Radio Engineering Laboratories Inc NY cap over $1000 Chas M Sreboff pres Frank A Gunther v pres treas Eleanor Stuart sec	R. L. Polk & Co.
	Sherman Saml sec Denver Pharmaceutical Mfg Co Inc	R. L. Polk & Co.
	Wolff Louis textile contr	R. L. Polk & Co.
	Denver Pharmuceutical Mfg Co Inc NY Saml Gerber pres Saml Sherman sec DAvid Kaplan treas	R. L. Polk & Co.
	Dingleman Textile Decorating Co RTN Arth C Dinglemin	R. L. Polk & Co.
	Gerber Saml pres Denver Pharmaceutical Mfg Co Inc	R. L. Polk & Co.
	Kaplan DAvid treas Denver Pharmaceutical Mfg Co Inc	R. L. Polk & Co.

FINDINGS

2513 41ST AVE

Year	Uses	Source
1934	Sepe Carmine Mary	R. L. Polk & Co.

2514 41ST AVE

Year	Uses	Source
1945	Sullana Sales Corp hosry	New York Telephone

2515 41ST AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services
	A A A MOVING INCORPORATED	Cole Information Services
1991	Midnight Express Cleaners	NYNEX Information Resource Company
1976	Main Operating Corp	New York Telephone
1970	Main Operating Corp	New York Telephone
1967	Main Operating Carp	New York Telephone
	Main Operating Corp	New York Telephone
1962	Main Operating Corp	New York Telephone Directory
	Main Operating Corp	New York Telephone Directory
1934	Forlano Carmela wid Anthony	R. L. Polk & Co.

2516 41ST AVE

Year	Uses	Source
2004	PANTELIS MOSKOFIDIS	Cole Information Services

2517 41ST AVE

Year	Uses	Source
2017	MICHAEL VARIAN	Cole Information Services
2014	CHRISTOPHER HARRIS	Cole Information Services
	BRANDON SCHRECK	Cole Information Services
	MICHAEL VARIAN	Cole Information Services
	COLIN BROWN	Cole Information Services
	JAMES MCHUGH	Cole Information Services
2009	EILEEN COHEN	Cole Information Services
2005	h Shopper Kristlna v	Hill-Donnelly Information Services
2004	ANN WOODWARD	Cole Information Services
	KEVIN PIERCE	Cole Information Services
	MATTHEW HANCOCK	Cole Information Services
2000	Kristina Sch	Cole Information Services
1994	EASTERN AMER COMMUNICATION SVCE INC	Cole Information Services

FINDINGS

Year	Uses	Source
1994	EASTERN AMERICAN PAY PHONE DIVISION	Cole Information Services
	KESKINYAN, NISAN	Cole Information Services
1991	Eastern Athletic Clubs	NYNEX Information Resource Company
	Action Auto Rental Inc	NYNEX Information Resource Company
	Action Auto Rental Inc	NYNEX Information Resource Company
	Action Auto Rental Inc	NYNEX Information Resource Company
	Eastern Amer Communication Svce Inc	NYNEX Information Resource Company
	Eastern American Pay Phone Division	NYNEX Information Resource Company
1970	DG Metal Spinning Co	New York Telephone
	Tierno Angelo	New York Telephone
1967	D G Metal Spinning Co	New York Telephone
1962	Casar E G	New York Telephone Directory
	Coleman Electrncs Corp	New York Telephone Directory
1945	Bennett Co	New York Telephone
	Boersch F A Labs chemcl prods	New York Telephone
	Dooley M	New York Telephone
1939	Boersch F A Labs chemcl prods	New York Telephone Company
	Dooley M	New York Telephone Company
1934	Dooley Mary L wid Wm T	R. L. Polk & Co.
	Dooley Rita A chf clk	R. L. Polk & Co.
	Moffitt Robt Anna	R. L. Polk & Co.

2518 41ST AVE

Year	Uses	Source
2005	Henderson Douglas p	Hill-Donnelly Information Services
	Lekas Vera	Hill-Donnelly Information Services
	Canaan Pri	Hill-Donnelly Information Services
2004	VERA LEKAS	Cole Information Services
	CANAAN PRINTING	Cole Information Services
1994	DURAND I RESTAURANT EQUIPMENT	Cole Information Services
	ML MFG CO	Cole Information Services
1991	ML MFG CO	NYNEX Information Resource Company
1983	ML MFG CO	New York Telephone
1976	ML Mfg Co	New York Telephone
1970	Queens Lamp Co Inc	New York Telephone
1967	Queens Lamp Co Inc	New York Telephone
1962	Queens Lamp Co Inc	New York Telephone Directory
1945	Hudson Tool & Die Co	New York Telephone

FINDINGS

Year	Uses	Source
1934	Cinesnap Corn NY: main office Woolworth bldg Mhn motion picture photography	R. L. Polk & Co.

2519 41ST AVE

Year	Uses	Source
2009	RAMIZ LJESNJANIN	Cole Information Services
2000	Razija Cenanovic	Cole Information Services

2520 41ST AVE

Year	Uses	Source
2009	CHRISTOS STOGIANOGLOU	Cole Information Services
2000	S Hadzismajlovic	Cole Information Services
1994	TIMES SQ TYPWRTR EXCH	Cole Information Services
	QUEENS TYPWRTR CO	Cole Information Services
	TYPEWRITER SALES RENTAL & SERV CO	Cole Information Services
1991	Queens Typwrtr Co	NYNEX Information Resource Company
	Ston Jewelers	NYNEX Information Resource Company
	Times Sq Typwrtr Exch	NYNEX Information Resource Company
	Typewriter Sales Rental & Serv Co	NYNEX Information Resource Company
1983	QUEENS TYPWRTR CO	New York Telephone
	Times Sq Typwrtr Exch	New York Telephone
	TYPEWRITER SALES RENTAL & SERV CO	New York Telephone
	Unique Sweater	New York Telephone
1970	Bristol Prntng Co	New York Telephone
	Branch	New York Telephone
	QUEENS TYPWRTR CO	New York Telephone
	Times Sq Typwrtr Excn	New York Telephone
	TYPEWRITER SALES RENTAL & SERV CO	New York Telephone
	Typhoon Enterprises	New York Telephone
	Vertex Advtg Inc	New York Telephone
1967	Branch	New York Telephone
	Queens Typwrtr Co	New York Telephone
	Times Sq Typwrtr Exen	New York Telephone
	TYPEWRITER SALES RENTAL & SERV CO	New York Telephone
	Vertex Advtg Inc	New York Telephone
1962	Exeter Hosiery Mills Inc	New York Telephone Directory
	Ofc	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Gallant Hosry Mills	New York Telephone Directory
	MATHUSHEK PIANO CO INC	New York Telephone Directory
	METROPOLITN VERMIN EXTRMINTG CO	New York Telephone Directory
	Branch	New York Telephone Directory
	Times Sq Typwrtr Excn	New York Telephone Directory
	TYPEWRITER SALES RENTAL & SERV CO	New York Telephone Directory
	Wilmington Hosiery Mills Inc	New York Telephone Directory
1945	Lundgren O R b	New York Telephone
	Branch	New York Telephone
	Queens Typwrtr Co Inc	New York Telephone
	Times Sq Typwmrtr Exch	New York Telephone
	Willcox Construction Co Inc	New York Telephone
1939	Queens Typwrtr Co	New York Telephone Company
	Times Sq Typwrtr Exch	New York Telephone Company
1934	Todd Protectograph Co Inc Rochester NY Wm Schmidt Ll rep	R. L. Polk & Co.
	TYPEWRITER SALES & RENTAL SERVICE Queens Typewriter and Stationery Corp Typewriting Machine Dealerg	R. L. Polk & Co.
	Schmidt Wm rep Todd Protectograph Co Inc	R. L. Polk & Co.

2522 41ST AVE

Year	Uses	Source
1945	Denver Pharmaceutical Mfg Co Inc	New York Telephone

2523 41ST AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

2524 41ST AVE

Year	Uses	Source
2009	GEORGE FRANGLADAKIS	Cole Information Services
	MUSTAFA MARGAT	Cole Information Services
	CHRISTINA PAPAMICHAEL	Cole Information Services
2005	Enrlquez Helen v	Hill-Donnelly Information Services
2004	HELEN ENRIQUEZ	Cole Information Services
	GEORGE FRANGLADAKIS	Cole Information Services
	JOHN SPANOUDAKIS	Cole Information Services

FINDINGS

Year	Uses	Source
2000	C Papamichael	Cole Information Services

2525 41ST AVE

Year	Uses	Source
2005	Coll Ins Peter v	Hill-Donnelly Information Services
2004	PETER COLLINS	Cole Information Services

2526 41ST AVE

Year	Uses	Source
2000	2529 NP	Cole Information Services

2527 41ST AVE

Year	Uses	Source
2005	Frangiadakls Tasia V	Hill-Donnelly Information Services
	h Pelengari Lydia v	Hill-Donnelly Information Services
2004	TASIA FRANGIADAKIS	Cole Information Services

2532 41ST AVE

Year	Uses	Source
2009	JENNY LUNIN	Cole Information Services
2004	SALVATORE MARINO	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services

2536 41ST AVE

Year	Uses	Source
2009	J DARGENIO	Cole Information Services
	KELLY DENICOLO	Cole Information Services
2000	C Constantin Gree	Cole Information Services

2537 41ST AVE

Year	Uses	Source
1983	Delgado Ralph	New York Telephone

2538 41ST AVE

Year	Uses	Source
2004	EMILIO MAZZUCOTELLI	Cole Information Services

2541 41ST AVE

Year	Uses	Source
2005	Chaniotakis Geo	Hill-Donnelly Information Services
	h Dangelo Gaetano AV	Hill-Donnelly Information Services

Year	Uses	Source
2000	Gaetano Dangelo	Cole Information Services

2542 41ST AVE

Year	Uses	Source
2005	Gress Kamal Nassif	Hill-Donnelly Information Services
2004	KAMAL GRESS	Cole Information Services
2000	2544 NP	Cole Information Services

2544 41ST AVE

Year	Uses	Source
2009	RISHABHDEO GANGARATIA	Cole Information Services
2005	h Gangaratia Rishabhdeo	Hill-Donnelly Information Services
	Bastlani Cele	Hill-Donnelly Information Services
2004	RISHABHDEO GANGARATIA	Cole Information Services

2545 41ST AVE

Year	Uses	Source
2005	Pfakas Kleanthis v	Hill-Donnelly Information Services

2546 41ST AVE

Year	Uses	Source
2005	Rata Enver v	Hill-Donnelly Information Services
2004	ENVER RATA	Cole Information Services
2000	A Rat	Cole Information Services

2549 41ST AVE

Year	Uses	Source
2005	Dangelo Mario	Hill-Donnelly Information Services

2550 41ST AVE

Year	Uses	Source
2004	ADELE MCMAHON	Cole Information Services
2000	Adele Mc Mahon	Cole Information Services

2556 41ST AVE

Year	Uses	Source
2000	Neven Lipovac	Cole Information Services

2558 41ST AVE

Year	Uses	Source
2005	Chevalier Hans V	Hill-Donnelly Information Services

FINDINGS

2559 41ST AVE

Year	Uses	Source
2005	Reinoso Nora v	Hill-Donnelly Information Services
	Pallova Klara	Hill-Donnelly Information Services
	Osmanovic Husein V	Hill-Donnelly Information Services
	Negrin Robert v	Hill-Donnelly Information Services
	Manganlello Ralph	Hill-Donnelly Information Services
	Greenberg Martin v	Hill-Donnelly Information Services
2004	ROBERT NEGRIN	Cole Information Services
	KLARA PALLOVA	Cole Information Services
	HUSEIN OSMANOVIC	Cole Information Services
	CHRIS CHI	Cole Information Services
	MARTIN GREENBERG	Cole Information Services
	MARY FALCONIERI	Cole Information Services
2000	Ralph Manganiello	Cole Information Services

2560 41ST AVE

Year	Uses	Source
2009	ERIC SVAIGSEN	Cole Information Services
2005	Svaigsen Eric v	Hill-Donnelly Information Services
2004	ERIC SVAIGSEN	Cole Information Services

2562 41ST AVE

Year	Uses	Source
2009	PHILIPPE MARCADE	Cole Information Services
	ARTHUR BYRNE	Cole Information Services
	WALID GHAUS	Cole Information Services
2005	Szoboszlai Huguette v	Hill-Donnelly Information Services
	Byme A	Hill-Donnelly Information Services
2004	JOVICA LAZAREVIC	Cole Information Services
	HUGUETTE SZOBOSZLAI	Cole Information Services
	SLEIMAN ESSAU	Cole Information Services
	ARTHUR BYRNE	Cole Information Services
	BHAMA JAYAVEERAPADIAN	Cole Information Services
2000	Nasiruddin Ahmed	Cole Information Services
	Surinder Anand	Cole Information Services

2567 41ST AVE

Year	Uses	Source
2005	Zaharieff S	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2004	ANTONIOS KOUTSOUMBARIS	Cole Information Services
2000	S Zaharieff	Cole Information Services

2570 41ST AVE

Year	Uses	Source
2014	THOMAS FLAKE	Cole Information Services
2009	AUSTIN SWEENEY	Cole Information Services
	ROBERT ASKINS	Cole Information Services
	JAMES HEFFERNAN	Cole Information Services
	EMILY DIMOND	Cole Information Services
2004	TADEUSZ MIELNIK	Cole Information Services
	KELLY MCKAY	Cole Information Services
	SIMONE AXIOTAKIS	Cole Information Services
	JAMES HEFFERNAN	Cole Information Services
	KIM MARTINCIC	Cole Information Services
2000	Apartments Enca Frank	Cole Information Services
	Ana Taglianetti	Cole Information Services
	Yun Kang	Cole Information Services
	C Alfred Pagano	Cole Information Services

2576 41ST AVE

Year	Uses	Source
2009	MARSHA BROWN	Cole Information Services
	JUGUANA MARDESIC	Cole Information Services
	JOANNA BILEY	Cole Information Services
	ADHI SARKER	Cole Information Services
	CINTIA RODRIGUEZ	Cole Information Services
	J LIEBERMAN	Cole Information Services
2005	Singh Harbhajan v	Hill-Donnelly Information Services
	Myers William	Hill-Donnelly Information Services
2004	WILLIAM MYERS	Cole Information Services
	B TIRMA	Cole Information Services
2000	Ivan B Wilds	Cole Information Services
	Michael Jennings	Cole Information Services

2577 41ST AVE

Year	Uses	Source
2005	Vitolo Michele v	Hill-Donnelly Information Services
2004	MICHAEL VITOLO	Cole Information Services

FINDINGS

Year	Uses	Source
2000	Teresa Tijerin	Cole Information Services
	Madeline Creegan	Cole Information Services

2581 41ST AVE

Year	Uses	Source
2004	KAREN SCHNITKER	Cole Information Services
2000	Karen Schnitker	Cole Information Services

2582 41ST AVE

Year	Uses	Source
2005	Terzakos Dennis v	Hill-Donnelly Information Services
2004	DENNIS TERZAKOS	Cole Information Services
2000	P Constantino	Cole Information Services
	Dennis Terzakos	Cole Information Services

2586 41ST AVE

Year	Uses	Source
2014	MOHAMED SBATRI	Cole Information Services
2009	VINCENZA CRAPANZANO	Cole Information Services
2000	Aya Khalloussi	Cole Information Services

2588 41ST AVE

Year	Uses	Source
2009	MARGARITA PEREZ	Cole Information Services

2595 41ST AVE

Year	Uses	Source
2005	Yangis Nicholas	Hill-Donnelly Information Services
	Zapata Juan v	Hill-Donnelly Information Services
	h Kim Hwa Sun	Hill-Donnelly Information Services
	Murtaza Amjad	Hill-Donnelly Information Services
2004	GHULAM MURTAZA	Cole Information Services
	NICHOLAS YANGIS	Cole Information Services
	BANGASH BASHIR	Cole Information Services
	JOSE FELIPE	Cole Information Services
2000	27TH ST INTS FROM	Cole Information Services
	Omar Restrepo	Cole Information Services
	Jose Felipe	Cole Information Services
1999	FELIPE JOSE	Cole Information Services

FINDINGS

2627 41ST AVE

Year	Uses	Source
1934	Hestericz Irene sec Justin C OBrien Co Inc	R. L. Polk & Co.

2664 41ST AVE

Year	Uses	Source
2005	Pappalardo Anna V	Hill-Donnelly Information Services

2701 41ST AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2005	Leonardo Realty IF	Hill-Donnelly Information Services
	h Alvarado Felix A	Hill-Donnelly Information Services
	Ace Delicatessen 18 718 482 0159 as	Hill-Donnelly Information Services
2004	FELIX ALVARADO	Cole Information Services
	ACE DELI	Cole Information Services
2000	Ace Delicatesson 36 7114 M	Cole Information Services
	Felix Alvarado	Cole Information Services
1999	ACE DELICATESSEN	Cole Information Services
1994	ALVARADO, FELIX	Cole Information Services
	ACE DELICATESSEN	Cole Information Services
1991	ACE DELICATESSAN	NYNEX Information Resource Company
1983	Corwin John F	New York Telephone
	Horn Peter Kiewit b	New York Telephone
1970	Benes Geo W rl est ins	New York Telephone
	Kehrt Ernest	New York Telephone
	LEHR & BENES rl est & ins	New York Telephone
1967	Benes Geo W rl est Ins	New York Telephone
	Kehrt Ernest	New York Telephone
	LEHR & BENES rl est & ins	New York Telephone
1962	Alderman Saml rl est & ins	New York Telephone Directory
	Benes Geo W rl est ins	New York Telephone Directory
	Kehrt Erntest	New York Telephone Directory
	LEHR & BENES rl est & ins	New York Telephone Directory
1945	Benes Geo W rl est ins	New York Telephone
	Hipp Frank	New York Telephone
1939	Hipp Frank	New York Telephone Company
1934	Hipp Florence sten	R. L. Polk & Co.
	Hipp Frank Kath meats	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Hipp Frank jr multigraph opr	R. L. Polk & Co.
	Hipp Kath tchr	R. L. Polk & Co.
	Hipp Walter clk	R. L. Polk & Co.

2702 41ST AVE

Year	Uses	Source
2017	ANNA YON	Cole Information Services
	CANAAN PRINTING	Cole Information Services
	STONEFIELD ENGINEERING	Cole Information Services
	JAEYON CHUNG	Cole Information Services
	JOO PARK	Cole Information Services
2014	KWANGHYUN YOO	Cole Information Services
	JOO PARK	Cole Information Services
	JAKE MILLER	Cole Information Services
	HYUN JEONG	Cole Information Services
2009	KWANGHYUN YOO	Cole Information Services
	JIEUN CHA	Cole Information Services
	EUN PARK	Cole Information Services
	CANAAN PRINTING INC	Cole Information Services
	JAE SEO	Cole Information Services
2005	Canaan Printing	Hill-Donnelly Information Services
	h Park Joo Hea 718 786 5241 ss	Hill-Donnelly Information Services
	Yoo Kwanghyun Wv	Hill-Donnelly Information Services
2004	JOO PARK	Cole Information Services
	JAE SEO	Cole Information Services
	JIEUN CHA	Cole Information Services
	CANAAN PRINTING INC	Cole Information Services
2000	Okkyong Jung	Cole Information Services
	Joo H Park	Cole Information Services
	Jae S Se	Cole Information Services
	Canaan Printing	Cole Information Services
1999	CANAAN PRINTING	Cole Information Services
1994	CHANG, MEE C	Cole Information Services
1983	Ace Glass & Mirror Co	New York Telephone
	Escurra T	New York Telephone
	Gracia Oscar	New York Telephone
	Matos Dulce V	New York Telephone
1976	Jarnow & Co picture frames	New York Telephone
1970	Corwin John F	New York Telephone

FINDINGS

Year	Uses	Source
1970	Powers Jos F	New York Telephone
1967	AAA Music Co	New York Telephone
	Corwin John F	New York Telephone
	Powers Jos F	New York Telephone
	Rocco Albert F	New York Telephone
	UNDERWOOD VENDING CORP	New York Telephone
1962	Corwin John F	New York Telephone Directory
	Philip Morris Inc	New York Telephone Directory
	Powers Jos F	New York Telephone Directory
	Rocco Albert F	New York Telephone Directory
1945	Chins Shirt Pressing Co	New York Telephone
1939	Marion J	New York Telephone Company
1934	Grogan Walter F Julia M chauf	R. L. Polk & Co.
	Hoffman Wm H Beatrice iron wkr	R. L. Polk & Co.
	Humes Phyllis G elev opr	R. L. Polk & Co.
	Reid Olive B Mrs hsekpr	R. L. Polk & Co.
	Ringwood Danl Julia lab	R. L. Polk & Co.
	Rodden Grace H Mrs maid	R. L. Polk & Co.
	Enright Nicholas Anna taxi driver	R. L. Polk & Co.
	Flowers Roy teleg opr	R. L. Polk & Co.

2703 41ST AVE

Year	Uses	Source
2005	h Molina Carlos A	Hill-Donnelly Information Services
2000	Mana Molin	Cole Information Services
1994	BRUN, ALFREDO E	Cole Information Services
	BOVE, A	Cole Information Services
	MOLINA, MARIA	Cole Information Services
1991	Bove A	NYNEX Information Resource Company
1983	Smith Edw T	New York Telephone
1976	Busillo Vito	New York Telephone
1970	Calandra Antonio	New York Telephone
1962	Connors Anna Mrs	New York Telephone Directory
	Stalter Rita M	New York Telephone Directory
1934	Kirby Wm Ceil auto mech	R. L. Polk & Co.
	Stalter Everett Mary doormn	R. L. Polk & Co.
	Stalter Everett jr	R. L. Polk & Co.
	Stalter Geo	R. L. Polk & Co.
	Stalter Jas	R. L. Polk & Co.

FINDINGS

2704 41ST AVE

Year	Uses	Source
2017	TICKETECH INC	Cole Information Services
	NY L & T COMPUTER SERVICES	Cole Information Services
2014	NY L & T COMPUTER SERVICES	Cole Information Services
	H INC TICKETECH	Cole Information Services
2009	TICKETECH INTERNATIONAL LTD	Cole Information Services
2005	A M Sage Plumbing & Htg LLC	Hill-Donnelly Information Services
	New York L & T Computer Svc	Hill-Donnelly Information Services
	5s 718 786 6988 oo	Hill-Donnelly Information Services
	Ticketech Inc 2 R	Hill-Donnelly Information Services
2004	NY L & T COMPUTER SERVICES INC	Cole Information Services
2000	Ticketech Inc	Cole Information Services
	Ticketech Inc	Cole Information Services
	N & T Cmptr Serv	Cole Information Services
	Fedee of New York Inc	Cole Information Services
1999	FEDEE OF NY INCORPORATED	Cole Information Services
1994	YOUNG MEN'S CHRISTIAN ASSOCIATION-BRANCHES-LONG ISLAND CITY	Cole Information Services
1991	Long Island City	NYNEX Information Resource Company
	Twelve Towns Catlpa Av &	NYNEX Information Resource Company
1983	LIC Youth Development Agency	New York Telephone
	Qualicap Multi Svce Center	New York Telephone
	Long Island City	New York Telephone
1970	LIC Indust Branch	New York Telephone
1945	LI Advtg Svce	New York Telephone
	Schlesenger J D advtg	New York Telephone
1939	Blendermann L	New York Telephone Company
1934	Bergen Ann clk	R. L. Polk & Co.
	Blendermann Anna Mrs clk	R. L. Polk & Co.
	Blendermann Louis Anna delilcatessen	R. L. Polk & Co.
	Cody Sarah E Mrs walter Louis Blendermann	R. L. Polk & Co.

2705 41ST AVE

Year	Uses	Source
1970	Zarate Bayardo	New York Telephone
1962	McKay Esther	New York Telephone Directory

FINDINGS

2708 41ST AVE

Year	Uses	Source
1945	McCarron Elsie Mirs	New York Telephone
1939	Mc Carron Elsie Mrs	New York Telephone Company
	Quinn Patk	New York Telephone Company
1934	Cole Emma A wld Wm A	R. L. Polk & Co.
	Schreiber Lulu P wid Jas H tchr	R. L. Polk & Co.

2709 41ST AVE

Year	Uses	Source
1939	Cohen Martin	New York Telephone Company
1934	Remelgas Alex Lillian pntr	R. L. Polk & Co.
	Cohen Martin Cath trucking	R. L. Polk & Co.

2711 41ST AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2005	2713 NCL	Hill-Donnelly Information Services
2000	2712 2713 NP	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
1994	SISKO, JOHN	Cole Information Services
1991	Sisko John	NYNEX Information Resource Company
	Horvath Ferenc	NYNEX Information Resource Company
1983	Sisko John	New York Telephone
1967	Tecnica Coro	New York Telephone
	Bachmann Eric R Co Inc mach tool sales	New York Telephone
	FERROSTAAL OVERSEAS CORP imptrs exptrs	New York Telephone
	Ferroquip Corporation stl mill machy	New York Telephone
	Eric R Bachmann Co Inc mach tool sales	New York Telephone
1962	Tecnica Corp	New York Telephone Directory
	Ferroquip Corporation stl mill machy	New York Telephone Directory
	Eric R Bachmann Co Inc mach tool sales	New York Telephone Directory
	Bachmann Eric R Co Inc mach tool sales	New York Telephone Directory
	Bachmann Eric R b	New York Telephone Directory

2712 41ST AVE

Year	Uses	Source
1970	Fashay Alex	New York Telephone
1967	Koch Johann	New York Telephone
1962	Koch Johann	New York Telephone Directory

FINDINGS

Year	Uses	Source
1939	Clifford Julia	New York Telephone Company
1934	Evans Wm doormn Mhn	R. L. Polk & Co.
	Clifford Patk J Cath lab	R. L. Polk & Co.
	Clifford Julia tel opr	R. L. Polk & Co.

2713 41ST AVE

Year	Uses	Source
2017	DANIEL JENNINGS	Cole Information Services
	LGB LLC	Cole Information Services
2014	DANIEL JENNINGS	Cole Information Services
1994	CASTILLO, JAVIER	Cole Information Services
1976	DRM Precision Prods Corp	New York Telephone
1970	Polk Carl tool & mach wk	New York Telephone
	Reinforcing Steel Svces	New York Telephone
1967	Polk Carl tool & mach wk	New York Telephone
1962	Polk Carl tool & mach wk	New York Telephone Directory
	Pro Art Corp	New York Telephone Directory
	Spree Arthur coml artst	New York Telephone Directory
1934	Tri Ad Printing Co	R. L. Polk & Co.
	National Typewriter Co RTN Michl E Krassner	R. L. Polk & Co.
	Jensen Edwin Mary mech	R. L. Polk & Co.
	Johnson Edw Queens Outboard Sales & Service Co	R. L. Polk & Co.

2715 41ST AVE

Year	Uses	Source
2017	DIANNE MARTIN	Cole Information Services
2014	DIANNE MARTIN	Cole Information Services
2009	FGT CONSTRUCTION CORP	Cole Information Services
	AMERICAN TRADE CREDIT LLC	Cole Information Services
	FLOOR KING	Cole Information Services
	DIANNE L MARTIN	Cole Information Services
	DIANNE MARTIN	Cole Information Services
	DANIEL JENNINGS	Cole Information Services
2005	N Y Floor King Inc 1s	Hill-Donnelly Information Services
	h Martin D L 7 718 937 9638 as	Hill-Donnelly Information Services
	Floor King	Hill-Donnelly Information Services
2004	NEW YORK FLOOR KING INC	Cole Information Services
	DIANNE MARTIN	Cole Information Services

FINDINGS

Year	Uses	Source
2004	DANIEL JENNINGS	Cole Information Services
2000	Floor King Inc	Cole Information Services
	Excel Telecom Inc	Cole Information Services
	Martin	Cole Information Services
1999	FLOOR KING INCORPORATED	Cole Information Services
	FLOOR KING INCORPORATED	Cole Information Services
	NEW YORK FLOOR KING INCORPORATED	Cole Information Services
	N Y FLOOR KING INCORPORATED	Cole Information Services
	EXCEL TELECOM INCORPORATED	Cole Information Services
	N Y FLOOR KING INCORPORATED	Cole Information Services
1994	MARTIN, D L	Cole Information Services
	NEW YORK FLOOR KING INC	Cole Information Services
	FLOOR KING INC	Cole Information Services
	N Y FLOOR KING INC	Cole Information Services
1991	Martin D E L	NYNEX Information Resource Company
	N Y Floor King Inc	NYNEX Information Resource Company
1983	Quintero Jorge	New York Telephone
1967	Johns Food Shop	New York Telephone
	Sladev Nick	New York Telephone
1962	Sladev Nick	New York Telephone Directory
1934	Murphy Anastasia Wid Andrew	R. L. Polk & Co.
	Colngrande Michl Olarn Shoe repr	R. L. Polk & Co.

2716 41ST AVE

Year	Uses	Source
2017	ERIC GRUBE	Cole Information Services
	MEHMET KARIK	Cole Information Services
	ERIC SO	Cole Information Services
	JOHN BUENROSTRO	Cole Information Services
	WEN CHU	Cole Information Services
	ANGELA TSE	Cole Information Services
	AIDEN ROCHE	Cole Information Services
	HIROYUKI TANINA	Cole Information Services
	YUE HUANG	Cole Information Services
	OK IM	Cole Information Services
	KATHERINE TSANG	Cole Information Services
	ASHLEY CHOWDHURY	Cole Information Services
2014	VICTOR SAMUEL	Cole Information Services

FINDINGS

Year	Uses	Source
2014	MEHMET KARIK	Cole Information Services
	INSY HERNSVAN	Cole Information Services
	JING LIU	Cole Information Services
	ERIC SO	Cole Information Services
	WEN CHU	Cole Information Services
	MARIO MASELLI	Cole Information Services
	SERENA NANDA-PARIKHA	Cole Information Services
	SARAH RATTLE	Cole Information Services
	JEANNIE HUGHES	Cole Information Services
	AIDEN ROCHE	Cole Information Services
	OK IM	Cole Information Services
	MATTHEW LALLI	Cole Information Services
2009	JAMIL SORIANO	Cole Information Services
	ZANETTA IM	Cole Information Services
	MARIO MASELLI	Cole Information Services
	JOYCE LEE	Cole Information Services
	WEN CHU	Cole Information Services
	MATTHEW LALLI	Cole Information Services
	ZUBAIR KHAN	Cole Information Services
	AMANDA FONG	Cole Information Services
	MEHMET KARIK	Cole Information Services
	BADAN TULADHAR	Cole Information Services
	STEVEN DEANGELO	Cole Information Services
	SAMUEL LUK	Cole Information Services
	ANH KHUU	Cole Information Services
	SERENA NANDA	Cole Information Services
2005	No Current Listing	Hill-Donnelly Information Services
2004	ISABEL HERRERA	Cole Information Services
2000	Monica Macias	Cole Information Services
	Kapnag Htg & Plbg	Cole Information Services
1999	KAPNAG HEATING & PLUMBING CORPORATION	Cole Information Services
	HYLEE ELECTRIC COMPANY INCORPORATED	Cole Information Services
	KAPNAG HEATING & PLUMBING	Cole Information Services
	KAPNAG HEATING & PLUMBING	Cole Information Services
1994	KAPNAG HEATING & PLUMBING CORP	Cole Information Services
	LITE N AIR INDUSTRIES	Cole Information Services
	KAPNAG HEATING & PLUMBING, PLMBNG	Cole Information Services

FINDINGS

Year	Uses	Source
1994	HYLEE ELECTRIC CO INC	Cole Information Services
1983	London Electric Contractors	New York Telephone
	LONDON SIGMUND INC	New York Telephone
	S & J Lighting Co	New York Telephone
	Sigmund London Inc	New York Telephone
1976	LONDON ELECTRIC CONTRACTORS	New York Telephone
	LONDON SIG INC	New York Telephone
1970	Henry Paul Inc contrs	New York Telephone
	Paul Henry Inc contrs	New York Telephone
	WK Models	New York Telephone
	Wohlmuth Alfred b	New York Telephone
	Wohtlmuth Co tlrs	New York Telephone
1967	Aviation Instrmnt Co	New York Telephone
	Henry Paul Inc contrs	New York Telephone
	Kronschachner Othmar b	New York Telephone
	Paul Henry Inc contrs	New York Telephone
	WK Models	New York Telephone
	Wohlmuth Alfred b	New York Telephone
	Wohlmuth Co tlrs Stores	New York Telephone
1962	Marshall Const Co Inc storyd	New York Telephone Directory
1939	Badura Chas electro winding	New York Telephone Company
	Electro Winding Serv Co	New York Telephone Company
1934	Queensboro Leather & Findings Co RTN Eug Berger	R. L. Polk & Co.
	Salem Eva wid Louis	R. L. Polk & Co.
	Seiter Henry mech	R. L. Polk & Co.

2717 41ST AVE

Year	Uses	Source
2017	ARAHM LEE	Cole Information Services
	RACHID MOKHTAR	Cole Information Services
	BARBARA TWARES	Cole Information Services
2014	RACHID MOKHTAR	Cole Information Services
	GABRIEL VOYTAS	Cole Information Services
	ARAHM LEE	Cole Information Services
	LEE ARAHM	Cole Information Services
2009	LEE ARAHM	Cole Information Services
	PETER LEE	Cole Information Services
2005	H Lee Arahm	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2004	MOTOKO TADANO	Cole Information Services
	LEE ARAHM	Cole Information Services
	PETER LEE	Cole Information Services
2000	Carlos A Lim	Cole Information Services
	John Nolan	Cole Information Services
	Muniraj Persaud	Cole Information Services
	Muniraj Persaud	Cole Information Services
	Muniraj Persaud	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
1994	PERSAUD, MUNIRAJ	Cole Information Services
	DABKOWSKI, JOHN	Cole Information Services
1991	Lee Sok Wah	NYNEX Information Resource Company
	Jimenez Zenen	NYNEX Information Resource Company
	Garcia Nicholas	NYNEX Information Resource Company
	Garcia Nicholas	NYNEX Information Resource Company
	Chan Roger	NYNEX Information Resource Company
	Jimeno Marsha	NYNEX Information Resource Company
1983	Illescas Azucena	New York Telephone
	Tickle F	New York Telephone
1970	Grippo Mary A Mrs	New York Telephone
	Medina Aura	New York Telephone
	Merlino Antonio N	New York Telephone
1967	Grippo Mary A Mrs	New York Telephone
	Merlino Antonio N	New York Telephone
1962	Grippo Mary A Mrs	New York Telephone Directory
	Marotta Thos J	New York Telephone Directory
	Merlino Antonio N	New York Telephone Directory
1945	Hirn Nancy Mrs	New York Telephone
1934	Parlato Ralph Ella chauf	R. L. Polk & Co.
	Roche Wm Alice porter	R. L. Polk & Co.
	Scarluzzi Frank Millicent gum mkr	R. L. Polk & Co.

2718 41ST AVE

Year	Uses	Source
1970	Hosick Catherine	New York Telephone
	United Blue Print Co	New York Telephone
1967	Delgado A	New York Telephone
	Hosick Catherine	New York Telephone
	James Restrnt	New York Telephone

FINDINGS

Year	Uses	Source
1967	Rogers Hugo	New York Telephone
1962	Rotunno J statnry	New York Telephone Directory
1945	Rotunno J statnry	New York Telephone
1934	Bolten Alf P Anna F chauf	R. L. Polk & Co.
	Bartsch Mary E bkpr	R. L. Polk & Co.
	Bartsch John J Nellie J porter	R. L. Polk & Co.
	Lamb Nicholas H Margt A porter	R. L. Polk & Co.
	Durnan Jas carrier PO	R. L. Polk & Co.
	DAvidson Ellis clk Meyerson & Cohn	R. L. Polk & Co.

2719 41ST AVE

Year	Uses	Source
1934	Devedo Anthony Nancy	R. L. Polk & Co.

2751 41ST AVE

Year	Uses	Source
2000	28TH ST INTS FROM	Cole Information Services
1976	Burges David	New York Telephone

2775 41ST AVE

Year	Uses	Source
1962	Harrys Food Shop	New York Telephone Directory

2801 41ST AVE

Year	Uses	Source
2017	24 HOUR WHITESTONE EXDY LOCKSMITH SE	Cole Information Services
	NEWCOMERS HS	Cole Information Services
	ACADEMY OF AMERICAN STUDIES	Cole Information Services
2014	ACADEMY OF AMERICAN STUDIES	Cole Information Services
	NEWCOMERS HS	Cole Information Services
	TOBY INCANTALUPO	Cole Information Services
2009	JOSEPH C NEVIS	Cole Information Services
	NEW YORK CITY BOARD EDUCATN	Cole Information Services
	NEWCOMERS HIGH SCHOOL	Cole Information Services
	ACADEMY OF AMERICAN STUDIES	Cole Information Services
	JOSEPH NEVIS	Cole Information Services
2005	h Nevis Joseph 7718 392 7132 o	Hill-Donnelly Information Services
	Academy Of American Studies	Hill-Donnelly Information Services
	Necomers School	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2004	ACADEMY OF AMERICAN STUDIES	Cole Information Services
	NEWCOMERS HIGH SCHOOL	Cole Information Services
	JOSEPH NEVIS	Cole Information Services
2000	Nevis Joseph	Cole Information Services
	Whtstn Const Corp	Cole Information Services
1999	BROGNA MICHAEL	Cole Information Services
1994	GANNON, JOHN FERNANDEZ	Cole Information Services
	NYC EDUCATION CITY BOARD OF SCHOOLS-HIGH L I CITY HIGH SCHL	Cole Information Services
1991	Hershey George	NYNEX Information Resource Company
1983	Turano Salvatore J	New York Telephone
1970	School to Employ Program	New York Telephone
	Caftria	New York Telephone
	LI City High Schl	New York Telephone
1967	LI City High Schl	New York Telephone
	School to Employ Program	New York Telephone
	Caftria	New York Telephone
1962	NY CITY OF Continued EDUCATION BOARD OF Continued	New York Telephone Directory
	Caftria	New York Telephone Directory
1945	LI City High Schl Cafeteria	New York Telephone
1939	Bryant Union Restrnt	New York Telephone Company
1934	Mickowitz John Anna prking	R. L. Polk & Co.

2804 41ST AVE

Year	Uses	Source
2017	NEW YORK CITY BOARD OF EDUCATION	Cole Information Services
	CITY OF NEW YORK	Cole Information Services
2014	NEW YORK CITY BOARD OF EDUCATION	Cole Information Services
	CITY OF NEW YORK	Cole Information Services
2005	Academy For New Americans	Hill-Donnelly Information Services
	Intermediate School	Hill-Donnelly Information Services
	New York City Board Education	Hill-Donnelly Information Services
2000	City Education	Cole Information Services
	City of	Cole Information Services
	City Bd Ed	Cole Information Services
1999	N Y CITY OF EDUCATION	Cole Information Services
	N Y CITY BD OF EDUCATION	Cole Information Services

FINDINGS

Year	Uses	Source
1976	Madigan M J engr	New York Telephone
	Madigan Hyland conslting engrs	New York Telephone
	Madigan Praeger Inc	New York Telephone
1970	Madigan M J engnr	New York Telephone
	Madigan Hyland Inc engnrs main ofc	New York Telephone
1967	Madigan M J engnr	New York Telephone
	Madigan Hyland Inc engnrs main ofc	New York Telephone
1962	Madigan M J engnr	New York Telephone Directory
	Madigan Hyland engnrs main ofc	New York Telephone Directory
	Hews Warren B CPA	New York Telephone Directory
1945	Madigan M J engnr	New York Telephone
	Madigan Hyland engnrs main ofc	New York Telephone
	Hyland Richd V engnr	New York Telephone
	Hyland C Jos atty	New York Telephone
	Hews Warren B CPA	New York Telephone
1939	Madigan M J engnr	New York Telephone Company
	Madigan Hyland engnrs main ofc	New York Telephone Company
	Hyland Richd V engnr	New York Telephone Company
	Hews Warren B CPA	New York Telephone Company
	Hyland C Jos atty	New York Telephone Company

2808 41ST AVE

Year	Uses	Source
1983	Criollo Rosita	New York Telephone
	Maldonado Carmen	New York Telephone
	Delgado Carnos	New York Telephone
1970	Sabatino Emilio	New York Telephone
1962	Neri Nicolo	New York Telephone Directory
1934	Walsh Chas A Anna E	R. L. Polk & Co.
	Spiltolr Gust Ave E Elizabeth M locksmith	R. L. Polk & Co.
	Rim Walter Edna	R. L. Polk & Co.
	Link Anna wid Jacob supt	R. L. Polk & Co.
	Keeman Robt Madeline clk	R. L. Polk & Co.

2810 41ST AVE

Year	Uses	Source
2017	A ROOFING 24 HRS	Cole Information Services
2014	A ROOFING TWENTY FOUR HRS	Cole Information Services
2005	A Roofing 24 HRS	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	No Fault Locksmith Is	Hill-Donnelly Information Services
	Emergency Locksmith 1 s	Hill-Donnelly Information Services
2004	NO FAULT LOCKSMITH	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2000	R & R Air Corp	Cole Information Services
	Redline Auto Rpr	Cole Information Services
1999	INFINITY AIR CORPORATION	Cole Information Services
	REDLINE AUTO REPAIR	Cole Information Services
1991	Perfect Auto Repr Inc	NYNEX Information Resource Company
	A G I Contractors Inc	NYNEX Information Resource Company
1976	Federal Express Corp	New York Telephone
1970	Celecia John	New York Telephone
	Aifonso Enrique	New York Telephone
1967	Castillo Renato	New York Telephone
	Marin Luis F	New York Telephone
1962	Holbrook Mainne	New York Telephone Directory
	Meade G	New York Telephone Directory
1945	Grennon Annie Mrs	New York Telephone
1939	Grennon Annie Mrs	New York Telephone Company
1934	Grenon Anna wid Saml	R. L. Polk & Co.
	Lokker Wm W Sarah J formn Mhn	R. L. Polk & Co.

2811 41ST AVE

Year	Uses	Source
2004	ABDELLAH RETILI	Cole Information Services

2813 41ST AVE

Year	Uses	Source
2004	MARDIROS ARTUNIA	Cole Information Services
2000	Ellen Kouroupakis	Cole Information Services

2814 41ST AVE

Year	Uses	Source
2017	FRONTLINE SECURITY AGENCY	Cole Information Services
2014	HYOJUNG KIM	Cole Information Services
	MATTHEW KAY	Cole Information Services
	ALYSSA HAAK	Cole Information Services
	FRONTLINE SECURITY AGENCY	Cole Information Services
	SIDNEY BROOKS	Cole Information Services

FINDINGS

Year	Uses	Source
2014	DONG LEE	Cole Information Services
	TRINIDAD CASAS	Cole Information Services
	FRONLINE SECURITY AGENCY	Cole Information Services
2009	EXPRESS ELEVATOR INC	Cole Information Services
	TERRELL HOLMES	Cole Information Services
2005	h Holmes Terrell Kent 718 706 7467 so	Hill-Donnelly Information Services
	Express Elevator Construction	Hill-Donnelly Information Services
2004	DIMITRIOS SKRETAS	Cole Information Services
	TERRELL HOLMES	Cole Information Services
	RODDIE BROOKS	Cole Information Services
	EXPRESS ELEVATOR CONSTRUCTION INC	Cole Information Services
	SANDRA VASCEANNIE	Cole Information Services
2000	Terrelt K Holmes	Cole Information Services
	Caviar & Fn FDS Inc	Cole Information Services
	Ds Corp	Cole Information Services
1999	CAVIAR & FINE FOODS INCORPORATED	Cole Information Services
	DS CORPORATION	Cole Information Services
1991	Salzman Elec Co Inc	NYNEX Information Resource Company
	Wolkovitsch John	NYNEX Information Resource Company
1983	Tuntivatingorn Songsak	New York Telephone
1970	Ciaglia Giusseppe	New York Telephone
	Cini Jos	New York Telephone
1967	Ciaglia Giusseppe	New York Telephone
	Cini Jos	New York Telephone
1962	Anemis Geo	New York Telephone Directory
	Masiello Dominick J	New York Telephone Directory
	Peterson Wm restrnt	New York Telephone Directory
1945	Gardner H restrnt	New York Telephone
1934	Hinds Clifton L sta eng in charge Coney Island Hosp	R. L. Polk & Co.
	Rytter Edwin Nova slsmn	R. L. Polk & Co.
	Rolando Mario Jean chef	R. L. Polk & Co.

2816 41ST AVE

Year	Uses	Source
2017	OPEN DOOR NY HOME CARE SERVICES INC	Cole Information Services
2014	TERRELL HOLMES	Cole Information Services

FINDINGS

Year	Uses	Source
2014	SUSIE YOO	Cole Information Services
	INTERIOR DECORATING BY E & J INC	Cole Information Services
2009	INTERIOR DECORATING BY E & J INC	Cole Information Services
	JOHN WOLKOVITSCH	Cole Information Services
2005	h Wolkovltsch John	Hill-Donnelly Information Services
	Alfran USA Inc	Hill-Donnelly Information Services
2004	JOHN WOLKOVITSCH	Cole Information Services
	ALFRAN USA INC	Cole Information Services
	J FINNEGAN	Cole Information Services
2000	C Mathison	Cole Information Services
	Charles Mathison	Cole Information Services
	Marius Meland	Cole Information Services
	John Wolkovitsch	Cole Information Services
1994	LAINEZ, CARLOS	Cole Information Services
	SEPE, P J, JR	Cole Information Services
	ACE MUFFIN CO	Cole Information Services
1991	Nickolson Don	NYNEX Information Resource Company
	Barker Lori	NYNEX Information Resource Company
	Sepe P J Jr	NYNEX Information Resource Company
1983	Sepe P J Jr	New York Telephone
1976	Funicello Giovanni G	New York Telephone
	Hioki N Y Corp	New York Telephone
1970	Funiciello Giovanni G	New York Telephone
	Sabrina Fragrances Ltd	New York Telephone
	Taro Pharmacuticals Inc	New York Telephone
1962	DAmico Mario	New York Telephone Directory
	Gould Elec Motor Co Inc	New York Telephone Directory
1945	Gould Elec Motor Co Inc	New York Telephone
1939	Gould Elec Motor Co tnc	New York Telephone Company
1934	Mc Keve Thos Theresa lab	R. L. Polk & Co.
	Schusky Wm W Augusta plmbr	R. L. Polk & Co.

2817 41ST AVE

Year	Uses	Source
2000	Dominick Cardinale	Cole Information Services

2818 41ST AVE

Year	Uses	Source
2017	LONG IS CITY LOCK & KEY	Cole Information Services

FINDINGS

Year	Uses	Source
2017	41ST AVE PLUMBING & HEATING	Cole Information Services
	GREEN TEA DELI	Cole Information Services
	GREEN TEA DELI INC	Cole Information Services
	LAUREN ELDER	Cole Information Services
	LAURA REID	Cole Information Services
	NATE GREEN	Cole Information Services
2014	LONG IS CITY LOCK & KEY	Cole Information Services
	JOHN FAHMY	Cole Information Services
	LAURA REID	Cole Information Services
	GREEN TEA DELI	Cole Information Services
	41ST AVE PLUMBING & HEATING	Cole Information Services
2009	MATTHEW VALGENT	Cole Information Services
	J H S J DELI	Cole Information Services
	GREEN TEA DELI	Cole Information Services
	ANG LAMA	Cole Information Services
2005	Jhsj Deli	Hill-Donnelly Information Services
	h Lama Ang Dawa v	Hill-Donnelly Information Services
	Robinson Merlin v	Hill-Donnelly Information Services
2004	ANG LAMA	Cole Information Services
	JHSJ DELI	Cole Information Services
2000	Pasi Lam	Cole Information Services
1999	J H S J DELI	Cole Information Services
1994	FRESH DELI GROCERY	Cole Information Services
1991	Fresh Deli Grocery	NYNEX Information Resource Company
1983	Blue Star Fashions	New York Telephone
	Giordano Luigi	New York Telephone
1976	Lorinz B A	New York Telephone
1970	DeLucia Giulo	New York Telephone
	Lorenz J	New York Telephone
1967	Gibbons Walter	New York Telephone
1962	Storeroom	New York Telephone Directory
	ADT Co Inc protctn svces	New York Telephone Directory
	Masiello John	New York Telephone Directory
1945	Acme Sponge & Chamois Co Inc	New York Telephone
1939	Gibbons Sarah V	New York Telephone Company
	Mohawk Papr Co	New York Telephone Company
1934	Mathies Fredk C mgr Caroline Mathies Stores	R. L. Polk & Co.

FINDINGS

2820 41ST AVE

Year	Uses	Source
2009	THOMAS RADMAN	Cole Information Services
2004	J MARTIN	Cole Information Services
1999	ATLANTIC IRON WKS INCORPORATED	Cole Information Services
1983	Roberts Alex S Assocs Inc	New York Telephone
1976	Koenig & Arote Inc	New York Telephone

2821 41ST AVE

Year	Uses	Source
2005	Benedikt Steven	Hill-Donnelly Information Services

2823 41ST AVE

Year	Uses	Source
2004	ANATOLIY MAZURENKO	Cole Information Services
2000	Jerry Wowk	Cole Information Services

2824 41ST AVE

Year	Uses	Source
2005	Tomidc Marino	Hill-Donnelly Information Services
2004	ANO MATZOROS	Cole Information Services
2000	Eugenia Matzoros	Cole Information Services
	Marino Tomicic	Cole Information Services

2825 41ST AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

2827 41ST AVE

Year	Uses	Source
2000	Frank Norton	Cole Information Services

2828 41ST AVE

Year	Uses	Source
1934	Manhattan Electric Lamp Co Harold Rubenoff	R. L. Polk & Co.

2829 41ST AVE

Year	Uses	Source
2005	h Mertiri Vito	Hill-Donnelly Information Services
2004	VITO MERTIRI	Cole Information Services

FINDINGS

2830 41ST AVE

Year	Uses	Source
2005	Whittle Helen p	Hill-Donnelly Information Services
2004	HELEN WHITTLE	Cole Information Services
2000	Helen Whittle	Cole Information Services
1983	CLASSIC LIMOUSINE	New York Telephone

2832 41ST AVE

Year	Uses	Source
2000	Manud Gallegos	Cole Information Services
	Blanca E Castaned	Cole Information Services

2835 41ST AVE

Year	Uses	Source
2005	Soils Sonia	Hill-Donnelly Information Services
	Santonocito Eugene	Hill-Donnelly Information Services
	Rocha Trickel Sueli v	Hill-Donnelly Information Services
	Rocha Trickel Sueli v	Hill-Donnelly Information Services
	h Rappa Vincenco	Hill-Donnelly Information Services
	Radoncic Saruhdin v	Hill-Donnelly Information Services
	h Cassar J Ao 718 204 8349 as	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
	Toneva Veronika V	Hill-Donnelly Information Services
2004	SONIA SOLIS	Cole Information Services
	JOSEPH CASSAR	Cole Information Services
	SUELI TRICKEL	Cole Information Services
	VINCENCO RAPPA	Cole Information Services
	HANY IBRAHIM	Cole Information Services
	ASLAM CHAUDHARY	Cole Information Services
2000	S Rocha Trickel	Cole Information Services
	F Kransnigi	Cole Information Services
	Mohamed El Kashawy	Cole Information Services
	Luis Jimenez	Cole Information Services
	Hany E Ibrahim	Cole Information Services
	Karl Bode	Cole Information Services
	Sehad Balic	Cole Information Services
1962	Jahn Jos K	New York Telephone Directory
1934	Green Edw F Jean collr	R. L. Polk & Co.

FINDINGS

2840 41ST AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

2845 41ST AVE

Year	Uses	Source
2005	Zaharias Maria	Hill-Donnelly Information Services
2004	MARIA ZAHARIAS	Cole Information Services

2846 41ST AVE

Year	Uses	Source
2005	Real Jenny v	Hill-Donnelly Information Services
	Krasniql Xhevat	Hill-Donnelly Information Services
	Bektesevlc Ragip	Hill-Donnelly Information Services
	Smyth Bernard A	Hill-Donnelly Information Services
	h Werbitski John v	Hill-Donnelly Information Services
	h Giglio Jane Mrs AV	Hill-Donnelly Information Services
2004	KATILY SZOLGA	Cole Information Services
	BERNARD SMYTH	Cole Information Services
	JANE GIGLIO	Cole Information Services
	PETER LYONS	Cole Information Services
	RAGIP BEKTESEVIC	Cole Information Services
	XHEVAT KRASNIQI	Cole Information Services
	JOHN WERBITSKI	Cole Information Services
	GERALDINE STEVANS	Cole Information Services
2000	Kathy Szolg	Cole Information Services
	Bernard A Smyth	Cole Information Services
	Bekim Muheidin	Cole Information Services
	Arnela Muftarevic	Cole Information Services

2849 41ST AVE

Year	Uses	Source
2000	Philip Jacobs	Cole Information Services
	29TH ST INTS FROM	Cole Information Services

2852 41ST AVE

Year	Uses	Source
1939	Gottilla Michael undrtkr	New York Telephone Company

FINDINGS

2868 41ST AVE

Year	Uses	Source
1983	Wenzell Holger	New York Telephone

2903 41ST AVE

Year	Uses	Source
1962	Mullenix Averil A	New York Telephone Directory
	Dexie Alfred	New York Telephone Directory
	Accurso John	New York Telephone Directory
1945	Douville Jos T	New York Telephone
1939	Connors Eleanor	New York Telephone Company
1934	Zanone Frank	R. L. Polk & Co.
	Zanone Christopher Jennie lab	R. L. Polk & Co.
	Zalda Theresa	R. L. Polk & Co.
	Fortunato Dominick Plma	R. L. Polk & Co.
	Fazio Angelo Anna ice dealer	R. L. Polk & Co.
	Circo paul	R. L. Polk & Co.
	Circo Joas agnes	R. L. Polk & Co.
	Caruso Nancy	R. L. Polk & Co.
	Caruso John Pauline	R. L. Polk & Co.
	Amodio Angelo Clara carp	R. L. Polk & Co.

2906 41ST AVE

Year	Uses	Source
1934	Caruso Theresa	R. L. Polk & Co.

2918 41ST AVE

Year	Uses	Source
1983	Cindico Inc exptimpt	New York Telephone

2920 41ST AVE

Year	Uses	Source
1967	Laikin Lawrence b	New York Telephone
1962	Wallace Geo J atty	New York Telephone Directory

2923 41ST AVE

Year	Uses	Source
1970	Phillips Audio Inc	New York Telephone
1962	Hayslip Arthur J atty	New York Telephone Directory
	Hayslip Ellwyn F atty	New York Telephone Directory
	Phillips Donald invstmt cnsir	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Gracian Manor Inc	New York Telephone Directory
	Brecher Bldg Corp	New York Telephone Directory
1945	Harper Fuel Oil Corp	New York Telephone
	Hosinger & Bode Inc rl est	New York Telephone

2926 41ST AVE

Year	Uses	Source
1983	Smugglers Cove Inc restnt	New York Telephone
1970	Acme Industries Inc	New York Telephone
	Smugglers Cove Inc restrnt	New York Telephone
	Pub Tel	New York Telephone
1967	Smugglers Cove Inc Restrnt	New York Telephone
	Pub Tel	New York Telephone
1962	Put Tel	New York Telephone Directory
	Smugglers Cove renstrt	New York Telephone Directory
	Smugglers Cove renstrt	New York Telephone Directory

2927 41ST AVE

Year	Uses	Source
2017	E P S JUDICIAL PROCESS SERVICE INC	Cole Information Services
	QUEENS PLAZA PARK DEVELOPEMENT LLC	Cole Information Services
	CROSSTOWN REALTY INC	Cole Information Services
	CROSSTOWN MANAGEMENT CORP	Cole Information Services
	BOS ENTERTAINMENT INC	Cole Information Services
	TYCO INTEGRATED SEC LLC	Cole Information Services
	CROSSTOWN MAINTENANCE CO INC	Cole Information Services
2014	CROSSTOWN MAINTENANCE CO INC	Cole Information Services
	LARRIN BUILDING CORPORATION	Cole Information Services
	UNITED SERVICE EMPLOYEES LOCAL 377 A	Cole Information Services
	EMPIRE ACCOUNTING & TAX CO	Cole Information Services
	BOS ENTERTAINMENT INCORPORATED	Cole Information Services
	CROSSTOWN MANAGEMENT	Cole Information Services
	CROSSTOWN REALTY INC	Cole Information Services
	CROSSTOWN MANAGEMENT CORP	Cole Information Services
	ANDOVER REALTY INCORPORATED	Cole Information Services
2009	GERALD M HERTZ & ASSOCIATES PC	Cole Information Services
	JRH MARKETING SERVICES INC	Cole Information Services

FINDINGS

Year	*Uses*	*Source*
2009	UNITED SERVICE EMPLOYE LOCAL 377	Cole Information Services
	LAWRENCE LAIKIN	Cole Information Services
	E P S JUDICIAL PROCESS SERVICE INC	Cole Information Services
	SUNSET PLUMBING & FIRE PROTECT	Cole Information Services
	ANDOVER REALTY INC	Cole Information Services
	AVATAR WINE MARKETING INC	Cole Information Services
	EMPIRE ACCOUNTING & TAX CO	Cole Information Services
	GRUPO EDINCO	Cole Information Services
	NITE & DAY GATES COM	Cole Information Services
	WORLD SPORTS GROUP	Cole Information Services
	ASPREY INC	Cole Information Services
	LARRIN BUILDING CORP	Cole Information Services
	RESPONSIBLE FINANCIAL ASSOCIATES INC	Cole Information Services
2005	Numbr 406Bos Entertainment Inc 1s	Hill-Donnelly Information Services
	Chhetry Associates PC	Hill-Donnelly Information Services
	Churchman Calvin	Hill-Donnelly Information Services
	Numbr 801 Cityview Parking Corp 1 s 718 392 8820 o	Hill-Donnelly Information Services
	Digital America	Hill-Donnelly Information Services
	Numbr 508 Empire Accounting & Tax Co	Hill-Donnelly Information Services
	Eps Attorney Svc	Hill-Donnelly Information Services
	Exhibition Employees Union	Hill-Donnelly Information Services
	Express Waiter Svc 1 s	Hill-Donnelly Information Services
	Freedom Line LTD	Hill-Donnelly Information Services
	Numbr 512 Grupo Edinco 1 s	Hill-Donnelly Information Services
	JRH Marketing Svc 1r	Hill-Donnelly Information Services
	Marangos Construction Corp	Hill-Donnelly Information Services
	Marymont Group 1s	Hill-Donnelly Information Services
	Oconnor Quinlan & Mangan	Hill-Donnelly Information Services
	Numbr 9 Queens City Planning Dept	Hill-Donnelly Information Services
	Numbr 706 Queens Home Inc	Hill-Donnelly Information Services
	Readers Theatre Workshop	Hill-Donnelly Information Services
	Solomon Abraham	Hill-Donnelly Information Services
	Starway Travel & Tour	Hill-Donnelly Information Services
	Numbr 601 Tasso Lorenzo J 1 P	Hill-Donnelly Information Services
	Numbr 703 Tristate Delivery Svc	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Numbr 1006 United Service Employees Local	Hill-Donnelly Information Services
	United Telecommunications	Hill-Donnelly Information Services
	USA Mortgage 1 r	Hill-Donnelly Information Services
	World Sports Group 1 P	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
	Ameritrust Mortgage Bankers	Hill-Donnelly Information Services
	Andover Realty Inc 1 F	Hill-Donnelly Information Services
	Asprey Inc	Hill-Donnelly Information Services
	Avatar Wine Marketing Inc	Hill-Donnelly Information Services
2004	LORENZO TASSO	Cole Information Services
	FRANCIS LONGO	Cole Information Services
	ALFRED PUGLISI	Cole Information Services
	D KEM	Cole Information Services
	ANTHONY MUSTO	Cole Information Services
	MICHAEL KUNSTENAAR	Cole Information Services
	GRUPO EDINCO	Cole Information Services
	BRBR OLVR CNSLTNT OF NEW YORK	Cole Information Services
	USA MORTGAGE	Cole Information Services
	JRH MARKETING SERVICES INC	Cole Information Services
	EXPRESS WAITER SERVICES	Cole Information Services
	CASH ACCESS LINE INC	Cole Information Services
	EXHIBITION EMPLY UNION LOCAL	Cole Information Services
	NIGHT & DAY GATE SEC SERVICE	Cole Information Services
	CITYVIEW PARKING CORP	Cole Information Services
	LORENZO J TASSO PC	Cole Information Services
	EMPIRE ACCOUNTING & TAX CO	Cole Information Services
	ANDOVER REALTY INC	Cole Information Services
	AMERITRUST MORTGAGE BANKERS	Cole Information Services
2000	Grupo Edinco	Cole Information Services
	JRH Mktg Svces Inc	Cole Information Services
	Kim MD PC	Cole Information Services
	Larrin Bldg Corp	Cole Information Services
	Leodoro Trnstrs	Cole Information Services
	Ounk New York	Cole Information Services
	Puglisi Alfred	Cole Information Services
	Pstrn Pgls & Co CPS	Cole Information Services
	Rizk Saad Acctnt	Cole Information Services
	St Grg Travel & Trs	Cole Information Services

FINDINGS

Year	*Uses*	*Source*
2000	Solomon Abraham	Cole Information Services
	Tasso Aty	Cole Information Services
	Team Ace Jnt Vnrt	Cole Information Services
	Trade Net Mrchnd	Cole Information Services
	Tristate Divry Svc	Cole Information Services
	United Svc Emplys	Cole Information Services
	Univeres Graphics	Cole Information Services
	Weinberg Atty	Cole Information Services
	Crpntrs Local Un	Cole Information Services
	Computer Svces Bur	Cole Information Services
	Crsstwn Mntnc Co	Cole Information Services
	Crosstown Mgmt Crp	Cole Information Services
	Crosstown Rity Inc	Cole Information Services
	Trading Co Inc	Cole Information Services
	Dvi Prducts Inc	Cole Information Services
	Empire Acctg & Tax	Cole Information Services
	City Plan Dept	Cole Information Services
	C Consulting	Cole Information Services
	Accnthl Fncl Mgmt	Cole Information Services
	Andover Realty Inc	Cole Information Services
	Aqrs Pond & Wtr Inc	Cole Information Services
	Barbara Oliver	Cole Information Services
1999	CARPENTERS LOCAL UNION 2819	Cole Information Services
	ACCOUNTABLE FINANCIAL MANAGEMENT SERVICES	Cole Information Services
	Z & R MOVING INCORPORATED	Cole Information Services
	N Y CITY OF CITY PLANNING DEPARTMENT OF	Cole Information Services
	QUILL KEVIN P LAWYER	Cole Information Services
	PUGLISI ALFRED A CPA	Cole Information Services
	CROSSTOWN REALTY INCORPORATED	Cole Information Services
	D I S TRADING COMPANY INCORPORATED	Cole Information Services
	BUTT ELECTRONICS COMPANY	Cole Information Services
	JRH MARKETING SVCES INCORPORATED	Cole Information Services
	SOLOMON ABRAHAM MD	Cole Information Services
	NULIFE METAL & MARBLE SYSTEMS	Cole Information Services
	UNITED SERVICE EMPLOYEES LOCAL 377 AFL CIO	Cole Information Services

FINDINGS

Year	*Uses*	*Source*
1999	EMPIRE ACCOUNTING & TAX COMPANY	Cole Information Services
	NEW MOON ENTERPRISES INCORPORATED	Cole Information Services
	ACCOUNTABLE FINANCIAL MANAGEMENT SERVICES	Cole Information Services
	BH REPLICATION INCORPORATED	Cole Information Services
	BARBARA OLIVER CONSULTANTS	Cole Information Services
	GRUPO EDINCO	Cole Information Services
	WEINBERG RICHARD ATTORNEY	Cole Information Services
	GLOBAL EVENTS CORPORATION	Cole Information Services
	COMPUTER SVCES BUREAU	Cole Information Services
	SALCO MAINTENANCE INCORPORATED	Cole Information Services
	KIM D C MD PC	Cole Information Services
	UNITED SERVICE EMPLOYEES LOCAL 377 AFL CIO	Cole Information Services
	AQUARIUS POND & WATER GARDEN INCORPORATED	Cole Information Services
	ANDOVER REALTY INCORPORATED	Cole Information Services
	ASSOCIATED PRODUCE CORPORATION	Cole Information Services
	GLOBAL TECHNOLOGY LINK INCORPORATED	Cole Information Services
	LARRIN BUILDING CORPORATION	Cole Information Services
	COMPUTERS PLUS WHOLESALE INCORPORATED	Cole Information Services
	KNOCKOUT METAL MAINTENANCE	Cole Information Services
	RIZK SAAD ACCTNT	Cole Information Services
	AIR COURIER INTERNATIONAL LIMITED	Cole Information Services
	DVI PRODUCTIONS INCORPORATED	Cole Information Services
1994	CROSSTOWN MANAGEMENT CORP	Cole Information Services
	MANGAN, J WARREN	Cole Information Services
	SILAGI, ROBERT, ATTY	Cole Information Services
	LARRIN BLDG CORP	Cole Information Services
	KIM, D C MD PC	Cole Information Services
	UNITED SERVICE EMPLOYEES LOCAL 377 AFL-CIO	Cole Information Services
	S I A SELECT SERVICES # 9	Cole Information Services
	O'CONNOR & MANGAN PC	Cole Information Services
	PUSTORINO PUGLISI & CO PC CPAS	Cole Information Services

FINDINGS

Year	Uses	Source
1994	ACCOUNTABLE FINANCIAL MGMT SVCS	Cole Information Services
	NYC DEPT OF CITY PLANNING-QUEENS OFC	Cole Information Services
	QUILL, KEVIN P, LWYR	Cole Information Services
	THORSEN, JOHN	Cole Information Services
	CARPENTERS LOCAL UNION 2819	Cole Information Services
	UPGRADE CONTRCTNG	Cole Information Services
	SACHS, ERIC	Cole Information Services
	ALLINA INDUSTRIES INC	Cole Information Services
	DAC SECURITY	Cole Information Services
	YORK HUNTER CITY SVC INC	Cole Information Services
	GLOBAL TECHNOLOGY LINK INC	Cole Information Services
	ANDOVER REALTY INC	Cole Information Services
	UNIVERSAL POS-ATM SYSTEMS INC	Cole Information Services
	USBA	Cole Information Services
	U F A MERCHANT SERVICES	Cole Information Services
	C M ASSOCIATES	Cole Information Services
	ROYAL PRESTIGE ALL ONE CORP	Cole Information Services
	ADT SECURITY SYSTEMS-SERVICE/CUSTOMER MONITORING CENTER	Cole Information Services
	NEW MOON ENTERPRISES INC	Cole Information Services
	COMPUTER SVCES BUREAU	Cole Information Services
	BEACON METAL MAINTENANCE INC	Cole Information Services
	SOURCE GRAPHICS	Cole Information Services
	PARAMESWAR, KRISHNA	Cole Information Services
	PUGLISI, ALFRED A, CPA	Cole Information Services
	WEINBERG, RICHARD, ATTY	Cole Information Services
	COMPUTER HELP	Cole Information Services
	CROSSTOWN REALTY INC	Cole Information Services
	JRH MARKETING SVCES INC	Cole Information Services
1991	ADT SECURITY SYSTEMS Central Station	NYNEX Information Resource Company
	Andover Realty Inc	NYNEX Information Resource Company
	Blutrich Falcone & Miller	NYNEX Information Resource Company
	Blutrich Falcone & Miller	NYNEX Information Resource Company
	Colonial Assocs	NYNEX Information Resource Company
	Cross & Brown Co rl est	NYNEX Information Resource Company
	Cross C	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Gemini Personnel Inc	NYNEX Information Resource Company
	JRH Marketing Svces Inc	NYNEX Information Resource Company
	Kim D C MD PC	NYNEX Information Resource Company
	Larrin Bldg Corp	NYNEX Information Resource Company
	Mangan J Warren	NYNEX Information Resource Company
	N Y Radio Cars Inc	NYNEX Information Resource Company
	OONNOR & MANGAN PC	NYNEX Information Resource Company
	Puglisi Alfred A CPA	NYNEX Information Resource Company
	Pustorino Puglisi & Co PC CP As	NYNEX Information Resource Company
	Queens Employment Agncy	NYNEX Information Resource Company
	QUILL KEVIN P lwyr	NYNEX Information Resource Company
	Radio Group Coverage Inc	NYNEX Information Resource Company
	Schnaufer John C atty	NYNEX Information Resource Company
	Silagi Robert atty	NYNEX Information Resource Company
	Thorsen John	NYNEX Information Resource Company
	Weinberg Richard atty	NYNEX Information Resource Company
1983	Central Station	New York Telephone
	Sales Dept	New York Telephone
	Central Station	New York Telephone
	Sales Dept	New York Telephone
	ARAGON & CIRO PROMOTIONS INC	New York Telephone
	CARIBEGROUER INC	New York Telephone
	Long Island City	New York Telephone
	Little Neck Northern Blvd & Little Neck Pkwy	New York Telephone
	Colonial Pipe & Supl Corp	New York Telephone
	Cross & Brown Co rl est	New York Telephone
	Cross C	New York Telephone
	JEK Company	New York Telephone
	Kim D C MD PC	New York Telephone
	Larrin Bldg Corp	New York Telephone
	OCONNOR QUINLAN & MANGAN lwyrs	New York Telephone
	Queens Employment Agncy	New York Telephone
	QUILL KEVIN P lwyr	New York Telephone
	Schnaufer John C atty	New York Telephone
	Steamfitters Industry Welfare Fund Insurance Claims Dept Bldg Trades	New York Telephone
	Thorsen John b	New York Telephone
	Water Svces Of America Inc	New York Telephone

FINDINGS

Year	Uses	Source
1983	Winston A D Corp contrs	New York Telephone
1976	Sales Dept	New York Telephone
	Airtemp Div Of Chrysler Corp	New York Telephone
	Amer Dist Telegraph Co sales dept	New York Telephone
	Autobern Export Corp	New York Telephone
	Bernstein Dave Co exporters	New York Telephone
	CHRYSLER CORPORATION AIRTEMP BRANCH	New York Telephone
	Colonial Pipe & Supl Corp	New York Telephone
	Condult & Foundation Corp The	New York Telephone
	Hopper Donald A atty	New York Telephone
	Kim D C MD	New York Telephone
	Kim Dong C MD ofc	New York Telephone
	Mainwaid Adolf J Inc bakrs spclties	New York Telephone
	LI City	New York Telephone
	Little Neck Nrthrn Blvd & Litl Nek Pkwy	New York Telephone
1970	LI City	New York Telephone
	Bookkeeping	New York Telephone
	Credit Information	New York Telephone
	Personal Loan	New York Telephone
	Unit Tellers	New York Telephone
	Information	New York Telephone
	ADT PROTCTN SVCE Centrl Sta	New York Telephone
	Airtemp Div of Chrysler Corp	New York Telephone
	Centl Sta	New York Telephone
	Sales Dept	New York Telephone
	Battery Lite Corp	New York Telephone
	Bernstein Dave Co exporters	New York Telephone
	Chatham Industris Inc Industrl rl est	New York Telephone
	CHRYSLER CORPORATION AIRTEMP BRANCH	New York Telephone
	Conduit & Foundation Corp The	New York Telephone
	Fogler Emanuel ins	New York Telephone
	Frisch Fred b	New York Telephone
	Futuramic Planned Eqp Corp	New York Telephone
	Klinow Saul PE	New York Telephone
	Mainzer Adolf J Inc bakrs spclties	New York Telephone
	Miller Wm Henry MD ofc	New York Telephone
	Moore Emmett L b	New York Telephone

FINDINGS

Year	Uses	Source
1970	Panoramic Industri Chemcls Co Inc	New York Telephone
	Piacentine Pasquale MD	New York Telephone
	Winston A D corp contrs	New York Telephone
1967	Meehan John & Sons const & grnit	New York Telephone
	Piacentine Pasquale MD	New York Telephone
	Schad Benj J atty	New York Telephone
	Winston A D Corp contrs	New York Telephone
	Centrl Sta	New York Telephone
	Sales	New York Telephone
	Airtemp Div of Chrysler Corp	New York Telephone
	Centrl Sta	New York Telephone
	Sales Dept	New York Telephone
	Ballistics Contrl Corp	New York Telephone
	Bernstein Dave Co Exprtrs	New York Telephone
	Chatham Industris Inc industrl rl est	New York Telephone
	CHRYSLER CORPORATION AIRTEMP BRANCH	New York Telephone
	Main Office	New York Telephone
	Door Lift Co	New York Telephone
	Dyna Corp elec motrs	New York Telephone
	European Auto Leasing Agncy	New York Telephone
	Flaherty Timothy J b	New York Telephone
	Fogler Emanuel ins	New York Telephone
	Futuramic Planned Eqp Corp	New York Telephone
	Heelan Paul A atty	New York Telephone
	Heelan Paul A atty	New York Telephone
	ITC Tradg Corp	New York Telephone
	Klinaire Corp	New York Telephone
	Lonardo Jos lwyr	New York Telephone
	LI City	New York Telephone
1962	Verve Advtg & Interior Inc	New York Telephone Directory
	W R Ligit Co Inc	New York Telephone Directory
	LI City	New York Telephone Directory
	Corona	New York Telephone Directory
	Operating Office	New York Telephone Directory
	ADT Co Inc protctn svces	New York Telephone Directory
	ADT Co Inc protctn svces	New York Telephone Directory
	Sales Dept	New York Telephone Directory
	ADT PROTECTION SERVICE	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Amer Saw & Mfg Co	New York Telephone Directory
	Bernstein Dave Co exptrs imptrs	New York Telephone Directory
	Brown Brockmeyer Co Inc elec motrs	New York Telephone Directory
	Queens Div Hdqurs	New York Telephone Directory
	CMCP Charge Plan	New York Telephone Directory
	Chatham Industrls Inc industrl rl est	New York Telephone Directory
	Chemical Soil Solidification Co	New York Telephone Directory
	Colonial Pipe & Supl Corp	New York Telephone Directory
	Conduit & Foundtn Corp The	New York Telephone Directory
	DeRose & Gibbons ins	New York Telephone Directory
	Door Lift Co	New York Telephone Directory
	Eccles Alfred H archt	New York Telephone Directory
	Halloran & Narr Inc	New York Telephone Directory
	Heelan Paul A atty	New York Telephone Directory
	Hitzel Raymond C atty	New York Telephone Directory
	Impex Tradg Corp	New York Telephone Directory
	Light W R Co Inc	New York Telephone Directory
	Lonardo Jos lwyr	New York Telephone Directory
	Meehan John & Sons const & grnit	New York Telephone Directory
	Min Max home teachingss	New York Telephone Directory
	NY Tool & Die Inst Inc	New York Telephone Directory
	Sanborn Fredk R MD	New York Telephone Directory
	Schad Benj J atty	New York Telephone Directory
	Schneider E Stephen atty	New York Telephone Directory
1945	Amer District Telgph Co	New York Telephone
	Eccles Alfred H archt	New York Telephone
	Gosman Richd H rl est ofc	New York Telephone
	Greater N Y Fund Inc	New York Telephone
	Heath Fred T Inc	New York Telephone
	Heath Fred T Inc	New York Telephone
	Ivorycraft Co Inc plstcs	New York Telephone
	Personnel office	New York Telephone
	Norman Lumbr Co Inc	New York Telephone
	Supts ofc	New York Telephone
	Industrl	New York Telephone
	Junior Registrtn	New York Telephone
	ADTTCo protctn svcs	New York Telephone
1939	Colonial Life Ins Co	New York Telephone Company

FINDINGS

Year	Uses	Source
1939	Eccles Alfred H archt	New York Telephone Company
	Knowles Wm W archt	New York Telephone Company
	Norman Lumbr Co Inc	New York Telephone Company
	Plumbing Code Comm	New York Telephone Company
	Supts ofc	New York Telephone Company
	Smith Leonard C L Engrng Co	New York Telephone Company
	Stamarith Constn Corpn	New York Telephone Company
1934	Johnson Harry E sec Marine Oil Corp	R. L. Polk & Co.
	Kopelman Isidore M Anna dentist	R. L. Polk & Co.
	Low J Broun Annetta M v pres Justin C OBrien Co Inc	R. L. Polk & Co.
	Marine Oil Corp NY cap over $1 000 Justin C OBrion pres Harry E Johnson sec Willard A Walsh Treas	R. L. Polk & Co.
	Michaels Frank X v pres Petroleum Marketers Co Inc	R. L. Polk & Co.
	OBrien Dorothy B Mrs director Justin C OBrien Co Inc	R. L. Polk & Co.
	OBrien Justin C Dorothy B pres tres Justin C OBrien Co Inc	R. L. Polk & Co.
	Ritter Fredk W Astrid B lawyer	R. L. Polk & Co.
	Robertson Glen A Muriel real est	R. L. Polk & Co.
	Schwanda Chas B Rosemary lawyer	R. L. Polk & Co.
	Schwanda Wm E Mae lawyer	R. L. Polk & Co.
	Short Albert E lawyer	R. L. Polk & Co.
	Turner Wm G treas Petroleum Marketers Co Inc	R. L. Polk & Co.
	Walsh Willard A Gertrude treas Marke Oil Co	R. L. Polk & Co.
	Gilman Warren H Laura lawyer	R. L. Polk & Co.
	A R Transportation Co Benj Malkin	R. L. Polk & Co.
	Ascher Herbert sec First Natl Petroleum Corp	R. L. Polk & Co.
	Barry Richd J Johanna lawyer	R. L. Polk & Co.
	br	R. L. Polk & Co.
	Diviney Thos J lawyer	R. L. Polk & Co.
	Equale N Anthony lawyer	R. L. Polk & Co.
	Faust F J Inc NY Fred J Faust pres treas slate	R. L. Polk & Co.
	First National Gasoline Staticns First National Petroleum Corp	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	First National Petroleum Corp NY Saml Margolis pres Abr Border v pres Herbert Ascher sec Wm H Lyons treas	R. L. Polk & Co.
	Funke Balthasar J Kath lawyer	R. L. Polk & Co.
	Gillette John Kindred lawyer	R. L. Polk & Co.
	Goldberg Bros Arth H and Leo ins	R. L. Polk & Co.
	Hayslip Arth J Irene lawyer	R. L. Polk & Co.
	Hilke Christopher F pres Petroleum Marketers Co Inc	R. L. Polk & Co.
	Hill Midgley W archt	R. L. Polk & Co.
	Lewin Jeffroy J Ilsa lawyer	R. L. Polk & Co.

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Year	Uses	Source
2017	41 BIG LLC	Cole Information Services
	VADIM VELICHKO	Cole Information Services
	MOVE ENERGY SYSTEMS	Cole Information Services
	HAL CONTRACTING CORP	Cole Information Services
	CHOICES WOMENS MEDICAL CENTER INC	Cole Information Services
	CHOICES WOMENS MEDICAL CTR	Cole Information Services
	GERARDO CALIX	Cole Information Services
	MARK JENKINS	Cole Information Services
	ANTHONY MORENO	Cole Information Services
	ADAM PIERVINCENZI	Cole Information Services
	ALEXANDRA RAY	Cole Information Services
	GISELLE SAMSON	Cole Information Services
	JOHN TRAYNOR	Cole Information Services
	NICHOLAS BUSA	Cole Information Services
	ANALIE GARCIA	Cole Information Services
	WESTON JOHNSON	Cole Information Services
	TREVY KIY	Cole Information Services
	ZACHARY SHEINGOLD	Cole Information Services
	TIM SPENCER	Cole Information Services
	BRANDON STRICKLETT	Cole Information Services
	ANJANETTE ANASCO	Cole Information Services
	DANIEL BACCHETTA	Cole Information Services
	BINH LUC	Cole Information Services
	DAN CALOIANU	Cole Information Services
	DAVID COLUCCI	Cole Information Services

FINDINGS

Year	Uses	Source
2017	CHARLENE FFRIEND	Cole Information Services
	MATTHEW IPPOLITO	Cole Information Services
	BURA LEE	Cole Information Services
	CHUNG PAK	Cole Information Services
	DAVID SARTORI	Cole Information Services
	GRACIE BOSILJEVAC	Cole Information Services
	WHITNEY DECENA	Cole Information Services
	CHRISTIE EDWARDS	Cole Information Services
	HELEN KIM	Cole Information Services
	CARLOS VILLANUEVA	Cole Information Services
	ALEXANDRA COUGHLIN	Cole Information Services
	M BILE	Cole Information Services
	MIGUEL ECHAVARRIA	Cole Information Services
	ELIZABETH KIM	Cole Information Services
	MICHAEL MIDDLETON	Cole Information Services
	MEHO SEDIC	Cole Information Services
	NICHOLAS YOUNG	Cole Information Services
	MARIA ZAMUDIO	Cole Information Services
	PRASHANT DESAI	Cole Information Services
	TRAVIS JOSEPH	Cole Information Services
	DARLENE STERLING	Cole Information Services
	PEARL REALTY MANAGEMENT	Cole Information Services
2014	41 BIG LLC	Cole Information Services
	DARLENE STERLING	Cole Information Services
	CHOICES WOMENS MEDICAL CENTER INCORP	Cole Information Services
	PEARL REALTY MANAGEMENT	Cole Information Services
	CHOICES MENTAL HEALTH CENTER	Cole Information Services
	JORDAN BAILLAN	Cole Information Services
	JUNG CHO	Cole Information Services
	CHERYL KAMPANIS	Cole Information Services
	GISELLE SAMSON	Cole Information Services
	MICHAEL HALL	Cole Information Services
	GREGORY KERAS	Cole Information Services
	CHARLES LETOUS	Cole Information Services
	RYAN SCHMIDTBERGER	Cole Information Services
	MARION WALES	Cole Information Services
	ANDREW CARLSON	Cole Information Services
	RAMON HANNA	Cole Information Services

FINDINGS

Year	Uses	Source
2014	BINH LUC	Cole Information Services
	DAVID COLUCCI	Cole Information Services
	CHARLENE FFRIEND	Cole Information Services
	MATTHEW IPPOLITO	Cole Information Services
	HARVEY SHAW	Cole Information Services
	MARK BILES	Cole Information Services
	GREG KERIS	Cole Information Services
	JOAN MANN	Cole Information Services
	HENRY MORENO	Cole Information Services
	JAY PARK	Cole Information Services
	CHARLES TOUS	Cole Information Services
	MATTHEW CHRISLIP	Cole Information Services
	GARY YODOWITZ	Cole Information Services
	SUSANAH BAER	Cole Information Services
	RONALD ELLIOT	Cole Information Services
	CHRISTOPHER HARNETT	Cole Information Services
	KAROL MUNOZ	Cole Information Services
	AIDA WEENINK	Cole Information Services
	HAL CONTRACTING CORPORATION	Cole Information Services
2009	C & P DENTAL STUDIO INC	Cole Information Services
	THERMOTECH SERVICES CO INC	Cole Information Services
	LAWRENCE LAIKIN	Cole Information Services
	ZENO ENTERPRISES CORP	Cole Information Services
	LABORATORY CORP OF AMERICA	Cole Information Services
	41ST AVE REALTY ASSOCIATES LLC	Cole Information Services
	SIMON DESIGNER SAMPLE MAKER	Cole Information Services
2005	Multi Unit Address	Hill-Donnelly Information Services
	41st Avenue Realty Assoc	Hill-Donnelly Information Services
	Berry Rochi Inc	Hill-Donnelly Information Services
	Choices Mental Health Ctr	Hill-Donnelly Information Services
	Choices Womens Medical Ctr	Hill-Donnelly Information Services
	Dietz International Public	Hill-Donnelly Information Services
	Hal Contracting Corp	Hill-Donnelly Information Services
	James A Jennings Co Inc	Hill-Donnelly Information Services
	h Laikin Lawrence A	Hill-Donnelly Information Services
	Numbr 1106 Louis Dressner Selections	Hill-Donnelly Information Services
	Metropolitan Business Forms	Hill-Donnelly Information Services
	is 718 729 6487 n	Hill-Donnelly Information Services

FINDINGS

Year	*Uses*	*Source*
2005	Numbr 911 h Pierini Joseph J 212 725 0143 oi	Hill-Donnelly Information Services
	Pierini Joseph J	Hill-Donnelly Information Services
	Repro Spec Corp 0 718 786 1336 o	Hill-Donnelly Information Services
	S Electronics I	Hill-Donnelly Information Services
	Numbr 906 Shore Systems Inc 2 5s	Hill-Donnelly Information Services
	Numbr 803Smart Travel	Hill-Donnelly Information Services
	US Census Bureau	Hill-Donnelly Information Services
	Numbr 704Wall	Hill-Donnelly Information Services
2004	CHOICES WOMEN MEDICAL CTR	Cole Information Services
	TYKOON CORP	Cole Information Services
	LAB CORP	Cole Information Services
	ALLIED PROPERTIES	Cole Information Services
	ROCHI BERRY INC	Cole Information Services
	LARRAN MANAGEMENT	Cole Information Services
	STEVEN GEORGILIS	Cole Information Services
	JOSEPH J PIERINI	Cole Information Services
	EK ENGINEERING CO	Cole Information Services
	CHOICES MENTAL HEALTH CEN	Cole Information Services
	SHORE SYSTEMS INC	Cole Information Services
	DIAMOND VSI MARBELLA LLC	Cole Information Services
	THE WALL PPS INC	Cole Information Services
	SMART TRAVEL NETWORK INC	Cole Information Services
2000	A Plus Limo Corp	Cole Information Services
	A & R Esentiels	Cole Information Services
	Advntg Funding New York	Cole Information Services
	Agar Construction	Cole Information Services
	American Legends	Cole Information Services
	Autotech Leasing	Cole Information Services
	Bryant Walter	Cole Information Services
	C & P Dntl STD Inc	Cole Information Services
	CBL Consulting	Cole Information Services
	Cdml Cmptr Svces	Cole Information Services
	Cdml Computer Svcs	Cole Information Services
	Choices Mntl Hith	Cole Information Services
	Choices Wmns Model	Cole Information Services
	Clark Stores Inc	Cole Information Services
	Cmprhasv Ambltry	Cole Information Services
	Cmpgrphc Dsgn & Mfr	Cole Information Services

FINDINGS

Year	Uses	Source
2000	Contract Serv Amer	Cole Information Services
	D & D Electronics	Cole Information Services
	Dietz Intrntl Pub	Cole Information Services
	Egy Travel Cruise	Cole Information Services
	Envrnmntl Serv Inc	Cole Information Services
	Service Inc	Cole Information Services
	Smart Travel	Cole Information Services
	S & P Entrprss Inc	Cole Information Services
	Spanish Tel Ho	Cole Information Services
	Taxi Drvr Acdmy	Cole Information Services
	Unvrsl Srvl Inc Co	Cole Information Services
	Intrtl Inc	Cole Information Services
	Walis Auto Sales	Cole Information Services
	Young Mns Lea Inc	Cole Information Services
	Zeno Entrprss Corp	Cole Information Services
1999	C & P DENTAL STUDIO INCORPORATED	Cole Information Services
	COMP IMPORT & EXPORT CORPORATION	Cole Information Services
	41ST AVE REALTY ASSOCIATES LLC	Cole Information Services
	WALIS AUTO SALES	Cole Information Services
	PRO INGREDIENTS	Cole Information Services
	ROYAL PRESTIGE SANS FRONTIER	Cole Information Services
	CHOICES MENTAL HEALTH CENTER	Cole Information Services
	MIDAMERICA TRADING	Cole Information Services
	LOUIS DRESSNER SELECTIONS	Cole Information Services
	SERVICE INCORPORATED	Cole Information Services
	G A ENVIRONMENTAL SERVICE INCORPORATED	Cole Information Services
	ADVANTAGE FUNDING OF NY CORPORATION	Cole Information Services
	CBL CONSULTING	Cole Information Services
	BRYANT WALTER	Cole Information Services
	H A N E C TAXI ACADEMY	Cole Information Services
	MODULAR MECHANICAL SYSTEMS INCORPORATED	Cole Information Services
	SPANISH TELEPHONE DIRECTORY HOLA	Cole Information Services
	WELCOME TO NEW YORK INCORPORATED	Cole Information Services

FINDINGS

Year	Uses	Source
1999	ROCHI BERRY INCORPORATED MANUFACTURERS REPS	Cole Information Services
	CLARK STORES INCORPORATED	Cole Information Services
	CHOICES WOMENS MEDICAL CENTER	Cole Information Services
	AUTOTECH LEASING	Cole Information Services
	ZENO ENTERPRISES CORPORATION	Cole Information Services
	UNIVERSAL SURVEILLANCE PRODUCTS COMPANY	Cole Information Services
	BEN & JERRYS HOMEMADE INCORPORATED	Cole Information Services
	REILCO DENTAL LABORATORY	Cole Information Services
	STARLITE DISTRIBUTOR	Cole Information Services
	HOLA PUBLSHNG COMPANY	Cole Information Services
	CHOICES WOMENS MEDICAL CENTER	Cole Information Services
	CONTRACT SERVICES OF AMERICA	Cole Information Services
	CDML COMPUTER SERVICES	Cole Information Services
	QUICK STOP	Cole Information Services
	V H INTERNATIONAL INCORPORATED	Cole Information Services
	JENNINGS JAMES A COMPANY INCORPORATED	Cole Information Services
	EDWARD LYNN & COMPANY	Cole Information Services
	LAIKIN LAWRENCE	Cole Information Services
	M & D INTERNATIONAL SALES	Cole Information Services
	TAXI DRIVER ACADEMY OF NY	Cole Information Services
	BRIDGE PLAZA OFFICE CENTER	Cole Information Services
	REPRO SPEC CORPORATION	Cole Information Services
	E Z HAULING PERMITS INCORPORATED	Cole Information Services
	COMPUGRAPHICS DESIGN & MANUFACTURER LIMITED	Cole Information Services
	XERO FAX INCORPORATED	Cole Information Services
	BRIDGE PLAZA OFFICE CENTER LEASING OFFICE	Cole Information Services
	H A N E C TAXI DRIVER ACADEMY	Cole Information Services
	N Y C TAXI DRIVER ACADEMY	Cole Information Services
	MARTIN PACKAGING	Cole Information Services
	SEFCO EAST INCORPORATED	Cole Information Services
	SNYDER COMMUNICATIONS	Cole Information Services
	SUMMIT ELECTRIC	Cole Information Services
	EGY TRAVEL CRUISE	Cole Information Services

FINDINGS

Year	*Uses*	*Source*
1999	L & L INTERNATIONAL IMPORTS & EXPORTS INCORPORATED	Cole Information Services
	AGAR CONSTRUCTION	Cole Information Services
	CHILDREN & FAMILIES INCORPORATED	Cole Information Services
	QUALITY BUSINESS INCORPORATED	Cole Information Services
	IKBAL ASAD	Cole Information Services
	HANAC YOUTH SERVICES	Cole Information Services
	TRANSCOM INCORPORATED	Cole Information Services
	SIMON DENTAL STUDIO INCORPORATED	Cole Information Services
	SMART TRAVEL	Cole Information Services
	GRAFTON CONSTRUCTION CORPORATION	Cole Information Services
	PROFESSIONAL CERTIFIED HOME HEALTH AGENCY	Cole Information Services
	A PLUS LIMOUSINE CORPORATION	Cole Information Services
	METROCOM TECHNICAL SERVICES INCORPORATED	Cole Information Services
1994	SPANISH TELEPHONE DIRECTORY HOLA	Cole Information Services
	XERO-FAX INC	Cole Information Services
	SIMON DENTAL STUDIO INC	Cole Information Services
	BOB DOES BRAZIL	Cole Information Services
	METROPOLITAN BUSINESS FORMS	Cole Information Services
	BERRY-ROCHI INC, MFRS REPS	Cole Information Services
	DERMA-TEST LAB INC	Cole Information Services
	HANAC YOUTH SVCS	Cole Information Services
	REED RING CORP	Cole Information Services
	CHATHAM PHOENIX REALTY CO	Cole Information Services
	POHANI COMMERCIAL PURCHASING	Cole Information Services
	REILCO DENTAL LABORATORY	Cole Information Services
	HANAC TESTING ASSESSMENT & PLACEMENT CENTER	Cole Information Services
	G M DENTAL STUDIO	Cole Information Services
	C & P DENTAL STUDIO INC	Cole Information Services
	E K ENGINEERING CORP	Cole Information Services
	AFFILIATED GUARD BUREAU INC	Cole Information Services
	DURST SANFORD J, RL EST	Cole Information Services
	ROAD SAFETY & EQP CORP	Cole Information Services
	HOLA PUBLSHNG CO	Cole Information Services

FINDINGS

Year	Uses	Source
1994	WITHER, EDUARDO	Cole Information Services
	H A N A C JOB CLUB	Cole Information Services
	M & D INTERNATIONAL SALES	Cole Information Services
	DURST, SANFORD J, ATTY	Cole Information Services
	DESIGNERS QUAD INC	Cole Information Services
	ROCHI-BERRY INC, MFRS REPS	Cole Information Services
	E-Z HAULING PERMITS INC	Cole Information Services
	TRANSCOM INC	Cole Information Services
	PATROL AND GUARD ENTERPRISES INC	Cole Information Services
	LAIKIN, LAWRENCE	Cole Information Services
	VIJMO INC	Cole Information Services
	PALADIUM BUILDERS INC	Cole Information Services
	REPRO-SPEC CORP	Cole Information Services
	THERMOTECH SVCES CO INC	Cole Information Services
1991	Vijmo Inc	NYNEX Information Resource Company
	Wither Eduardo	NYNEX Information Resource Company
	Womens Services T L C Inc	NYNEX Information Resource Company
	Atlantic Telephone Services Inc	NYNEX Information Resource Company
	B P K Special Effect Systems	NYNEX Information Resource Company
	Berry Rochi Inc mfrs reps	NYNEX Information Resource Company
	C & P Dental Studio Inc	NYNEX Information Resource Company
	Chatham Phoenix Realty Co	NYNEX Information Resource Company
	Claude Cornell Dental Studio	NYNEX Information Resource Company
	Communicore Security Systems Inc	NYNEX Information Resource Company
	David Twersky Inc	NYNEX Information Resource Company
	DERMA TEST LAB INC	NYNEX Information Resource Company
	Derman C	NYNEX Information Resource Company
	Design Plus Inc	NYNEX Information Resource Company
	Designers Quad Inc	NYNEX Information Resource Company
	Durst Sanford J atty	NYNEX Information Resource Company
	Durst Sanford J rl est	NYNEX Information Resource Company
	Eastern Rebar Detailers	NYNEX Information Resource Company
	Finch & Finch attys	NYNEX Information Resource Company
	Fone A Car Inc	NYNEX Information Resource Company
	HANAC TESTING ASSESSMENT AND PLACEMENT CENTER	NYNEX Information Resource Company
	Hola Pubshng Co	NYNEX Information Resource Company
	ICA REALTY CORP rlest	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Industrial & Coml Realty Assocs Co	NYNEX Information Resource Company
	JEK Company	NYNEX Information Resource Company
	Laikin Lawrence	NYNEX Information Resource Company
	Lion & Lamb Cruelty Free Products Inc	NYNEX Information Resource Company
	M C Jewelry Corp	NYNEX Information Resource Company
	M & D International Sales	NYNEX Information Resource Company
	Metropolitan Business Forms	NYNEX Information Resource Company
	Paladiam Builders Inc	NYNEX Information Resource Company
	Patrol And Guard Enterprises Inc	NYNEX Information Resource Company
	Pohani Commerical Purchasing	NYNEX Information Resource Company
	Prints Of The City	NYNEX Information Resource Company
	Queens Legal Svce Inc	NYNEX Information Resource Company
	Queens Legal Service Inc	NYNEX Information Resource Company
	R Times Two Inc	NYNEX Information Resource Company
	Renaissance Renovation & Restoration Inc	NYNEX Information Resource Company
	Repro Spec Corp	NYNEX Information Resource Company
	Roberts Roseft & Berk MD PC	NYNEX Information Resource Company
	Rochi Berry Inc mfrs reps	NYNEX Information Resource Company
	RTC Industries inc	NYNEX Information Resource Company
	Sharp Research Corp	NYNEX Information Resource Company
	Sharp Research Corp	NYNEX Information Resource Company
	Silk Image Ltd	NYNEX Information Resource Company
	Simon Dental Studio Inc	NYNEX Information Resource Company
	Spanish Telephone Directory Hola	NYNEX Information Resource Company
	T L C WOMENS SVCES INC	NYNEX Information Resource Company
	T L C Womens Services Inc	NYNEX Information Resource Company
	Humphrey Sales Inc	NYNEX Information Resource Company
	Showcase Video	NYNEX Information Resource Company
1983	Roberts Roseff & Berk MD PC	New York Telephone
	Rochi Berry Inc mfrs reps	New York Telephone
	Servicio De Educacion Vocaconal	New York Telephone
	Simon Dental Studio Inc	New York Telephone
	Source Envelope Inc	New York Telephone
	Spanish Telephone Directory Hola	New York Telephone
	Stark J J Equip Co	New York Telephone
	TLC WOMENS SERVICES INC	New York Telephone
	TLC WOMENS SVCES INC	New York Telephone
	TMI Marketing Inc	New York Telephone

FINDINGS

Year	Uses	Source
1983	Tech Works Corp	New York Telephone
	The Perfect Pretzel Inc	New York Telephone
	Thermotech Svces Co Inc	New York Telephone
	Timpanaro Ralph M b	New York Telephone
	Tong Dah Plastics	New York Telephone
	Weber Harry atty & Ins	New York Telephone
	Womens Services T L C Inc	New York Telephone
	Ziegler Louis rl est	New York Telephone
	ABORTION ADVISORY SVCE OF T L C	New York Telephone
	ABORTION ADVISORY SVCE OF T L C	New York Telephone
	Allied Communications Inc	New York Telephone
	Berry Rochi Inc mfrsreps	New York Telephone
	C & P Dental Studio Inc	New York Telephone
	Chatham Phoenix Realty Co	New York Telephone
	Denton Edwards Co Ltd	New York Telephone
	DERMA TEST LAB INC	New York Telephone
	DIAL COMMUNICATIONS DIAL	New York Telephone
	Finch & Finch attys	New York Telephone
	Fosco Fabricators Inc	New York Telephone
	Glasser Barry A & Company Inc	New York Telephone
	Grossman Joseph b	New York Telephone
	Halpern Ben atty	New York Telephone
	HANAC TESTING ASSESSMENT AND PLACEMENT CENTER	New York Telephone
	Helmsley Spear Inc	New York Telephone
	Helmsley Spear Inc	New York Telephone
	Hola Publshng Co	New York Telephone
	Home Svces Systems Inc	New York Telephone
	Hurcal Co Ltd	New York Telephone
	ICA Realty Corp rl est	New York Telephone
	Imperial Refrigeration & Air Conditioning Co Inc	New York Telephone
	Industrial & Coml Realty Assocs Co	New York Telephone
	Industri Container Corp Call Mannkraft Corp	New York Telephone
	Laikin Lawrence b	New York Telephone
	Mason & Hanger Silas Mason Co Inc	New York Telephone
	Metintron Corp Of Amer	New York Telephone
	Metropolitan Business Forms	New York Telephone
	Northeast Air Travel Service Inc	New York Telephone

FINDINGS

Year	Uses	Source
1983	Patrol And Guard Enterprises Inc	New York Telephone
	Protech Consultants Inc	New York Telephone
	Queens Legal Svce Inc	New York Telephone
	RCF Electronic Consultants	New York Telephone
	Reid Employ Svce	New York Telephone
	Repro Spec Corp	New York Telephone
	Richmond Data Systems Group Inc	New York Telephone
	Road Safety & Eqp Corp	New York Telephone
1976	ASFEC Inc	New York Telephone
	Ambassador Trucking Co	New York Telephone
	Amer Apothecaries	New York Telephone
	Amer Apothecaries Co	New York Telephone
	American Biltrite Rubber Co	New York Telephone
	Amseco Corp	New York Telephone
	Barbanel Sidney W consltg engnr	New York Telephone
	Barbanel Sidney W Inc consltg engnr	New York Telephone
	Finch Chas K atty	New York Telephone
	Finch & Finch attys	New York Telephone
	Finch Terry C atty	New York Telephone
	FYLES C E & CO INC ins	New York Telephone
	Garner Norman engr	New York Telephone
	Gellard Indoor Advtg Inc	New York Telephone
	Gursey Sidney acctnt	New York Telephone
	Halpern Ben M atty	New York Telephone
	Heat XInc rfrgrtn	New York Telephone
	Helmsley Spear Inc	New York Telephone
	Hetherington John atty	New York Telephone
	Hetherinston John K atty	New York Telephone
	Hurcal Co Ltd	New York Telephone
	ICA REALTY CORP rl est	New York Telephone
	INDUSTRIAL & COML REALTY ASSOCS CO	New York Telephone
	Industrl Container Corp Call Mannkraft Corp WH 45000	New York Telephone
	Iron Fireman	New York Telephone
	Kahn E E A & Co Inc contrs	New York Telephone
	Laikin Lawrence b	New York Telephone
	Larrin Bldg Corp	New York Telephone
	Luko Chemical Co	New York Telephone

FINDINGS

Year	Uses	Source
1976	Luko Chemical Co	New York Telephone
	Lukow Herman T rl est	New York Telephone
	Lukow Herman T rl est	New York Telephone
	Lukow Herman T rl est	New York Telephone
	Lukow Herman T rl est	New York Telephone
	MEG Trucking Corp	New York Telephone
	Becker & Tiernan engnrs	New York Telephone
	Berry Rochi Inc mfrs reps	New York Telephone
	Brown Thomas S Assocs	New York Telephone
	Browne Corporation	New York Telephone
	Brunner Mfg Co	New York Telephone
	Chatham Phenix Bldg	New York Telephone
	Cindico Inc expt impt	New York Telephone
	Denton Edwards Co Ltd	New York Telephone
	Dykman Mfg Co couplgs	New York Telephone
	Education Action Center	New York Telephone
1970	Machine & Tool Co	New York Telephone
	Magnus Mach Tool Co	New York Telephone
	Meyer Leon ins	New York Telephone
	Moran Mary lwyr	New York Telephone
	Main Office	New York Telephone
	Murrays Sportswr Inc	New York Telephone
	Council of Soclal & Athiletic Clubs	New York Telephone
	Pagel Harry F Jr Agency ins	New York Telephone
	Payne A T & B	New York Telephone
	Payne Benj B lwyr	New York Telephone
	Peerless Weighing & Vending Mach Corp ofc	New York Telephone
	Petrocelli & Segre Inc	New York Telephone
	Phillips Audio Sales Co whol distribtrs	New York Telephone
	Phillips Donald reg invstmt cnslr	New York Telephone
	Phillips Sales Co whol distribtrs	New York Telephone
	Pitkin & Harris Inc	New York Telephone
	Power Jas J lwyr	New York Telephone
	Power Pierce J lwyr	New York Telephone
	Professional Adjstmt Bur	New York Telephone
	Project Designs Inc	New York Telephone
	Queen Anne Co	New York Telephone
	QUEENS EMPLOYMENT AGNCY	New York Telephone

FINDINGS

Year	Uses	Source
1970	Queens Legal Svce Inc	New York Telephone
	Reid Employ Svce	New York Telephone
	Repro Spec Corp	New York Telephone
	Rifco Sales Corp financg	New York Telephone
	Rochi Berry Inc mfrs reps	New York Telephone
	Ronox Bldrs Inc	New York Telephone
	S & C Trucking Co Inc	New York Telephone
	Sabara Inc drafts	New York Telephone
	Seeley Harry atty	New York Telephone
	Segre Ernesto b	New York Telephone
	Sibek Albert W counsellor at law	New York Telephone
	Sicree Albert J atty	New York Telephone
	Snelling & Snelling	New York Telephone
	Snelling & Snelling Agncy	New York Telephone
	Sports Phone Inc	New York Telephone
	Stark J J Equip Co	New York Telephone
	Technical Applications Corp	New York Telephone
	Timpanaro Ralph M b	New York Telephone
	Turlin Realty Corp	New York Telephone
	Vision Unlimited Whol Inc	New York Telephone
	Vislo Corp	New York Telephone
	Weber Harry atty & ins	New York Telephone
	Youngdahl C E & Co Inc contrs	New York Telephone
	Ziegler Louis rl est	New York Telephone
	ALLEN & McALLY EMPLOY AGNCY	New York Telephone
	Amer Apothecaries	New York Telephone
	Amer Apothecaries Co	New York Telephone
	Atlas Fibers Co Inc shoddies	New York Telephone
	Badean Internatl	New York Telephone
	Barbanel Sidney W consltg engnr	New York Telephone
	Barbanel Sidney W Inc consltg engnr	New York Telephone
	Barlin Apts Inc	New York Telephone
	Becker & Tiernan engnrs	New York Telephone
	Berger Advtng Inc	New York Telephone
	Bernbach Harry A lwyr CPA	New York Telephone
	Berry Rochi Inc mfrs reps	New York Telephone
	BIO YNAMICS INC	New York Telephone
	Brechier Bldg Corp	New York Telephone

FINDINGS

Year	Uses	Source
1970	Chatham Phenix Bldq	New York Telephone
	Main Ofc	New York Telephone
	CUSTOM MADE PAPR BAG CO INC	New York Telephone
	Damor Realty Corp	New York Telephone
	Damor Realty Corp	New York Telephone
	Office	New York Telephone
	Dortch Stove Wks Inc	New York Telephone
	Main Office	New York Telephone
	Empire State Mutual Life Ins	New York Telephone
	Falcon Auto Prods Co	New York Telephone
	Farmers Tradg Corp	New York Telephone
	Finch Chas K atty	New York Telephone
	Finch & Finch attys	New York Telephone
	Finch Terry C atty	New York Telephone
	Five Ten Holding Corp	New York Telephone
	FYLES C E & CO INC Ins	New York Telephone
	Gellard Indoor Advtg Inc	New York Telephone
	Gracie Manor Inc	New York Telephone
	Griffin Corp	New York Telephone
	Griffin Eugene A b	New York Telephone
	Gruenwald Associats engnrs	New York Telephone
	Halpern Ben M atty	New York Telephone
	Main Office	New York Telephone
	Hayslip Arthur J atty	New York Telephone
	Hayslip Ellwyn F atty	New York Telephone
	Hetherington John atty	New York Telephone
	Hetherington John K atty	New York Telephone
	Hunter Industrl Realty Co	New York Telephone
	International Chemical & Nuclear Corp	New York Telephone
	Intervendo Ltd films	New York Telephone
	Kahn E A & Co Inc contrs	New York Telephone
	Kennedy John & Co Inc	New York Telephone
	Koch Emma Dr dntst	New York Telephone
	Laikin Lawrence b	New York Telephone
	Lundgren Wm O lwyr	New York Telephone
	Brecher Morris b	New York Telephone
1967	Brecher Morris b	New York Telephone
	Becker & Tiernan engnrs	New York Telephone

FINDINGS

Year	Uses	Source
1967	Berry Rochi Inc mfrs reps	New York Telephone
	Bode Herbert E rl est	New York Telephone
	Brecher Bldg Corp	New York Telephone
	Castle & Cooke Inc	New York Telephone
	Century Equip Rentl Corp	New York Telephone
	Century Psaty Columbus	New York Telephone
	Chatham Phenix Bldg	New York Telephone
	Civic Reading Club of Queens	New York Telephone
	Craig Allen E R & Co CPAs	New York Telephone
	Damor Realty Corp	New York Telephone
	Damor Realty Corp	New York Telephone
	Office	New York Telephone
	Dortch Stove Wks Inc	New York Telephone
	Main Office	New York Telephone
	Falcon Auto Prods Co	New York Telephone
	Farmers Tradg Corp	New York Telephone
	Finch Chas K atty	New York Telephone
	Finch & Finch attys	New York Telephone
	Finch Terry C atty	New York Telephone
	Finnegan Leo C b	New York Telephone
	Five Ten Holding Corp	New York Telephone
	FYLES C E & CO INC ins	New York Telephone
	Gellard Indoor Advtg Inc	New York Telephone
	Gracie Manor Inc	New York Telephone
	Gruenwald Associats engnrs	New York Telephone
	Halpern Ben M atty	New York Telephone
	Main Office	New York Telephone
	Hayslip Arthur J atty	New York Telephone
	Hayslip Ellwyn F atty	New York Telephone
	Hetherington John atty	New York Telephone
	Hetherington John K atty	New York Telephone
	Hosinger & Bode Inc rl est	New York Telephone
	Hosinger Edw F rl est	New York Telephone
	Hunter Industrl Realty Co	New York Telephone
	Jacobson Benj J lwvr	New York Telephone
	Kahn E A & Co Inc contrs	New York Telephone
	Kenfyl Inc	New York Telephone
	Kennedy John & C0 Inc	New York Telephone

FINDINGS

Year	Uses	Source
1967	Kennedy Menke Co Inc food brkrs	New York Telephone
	Klages Aug G lwyr	New York Telephone
	Koch Emma Dr dntst	New York Telephone
	Lundgren O R b	New York Telephone
	Lundgren Wm O jwyr	New York Telephone
	Machine & Tool Co	New York Telephone
	Magnus Mach Tool Co	New York Telephone
	Meyer Leon ins	New York Telephone
	Meyer Leon ins	New York Telephone
	Moran Mary lwyr	New York Telephone
	Main Office	New York Telephone
	Murrays Sportswr Inc	New York Telephone
	Council of Social & Athletic Clubs	New York Telephone
	Payne A T & B B	New York Telephone
	Payne Benj B lwyr	New York Telephone
	Peerless Weighing & Vending Mach Corp ofc	New York Telephone
	Phillips Audio Inc	New York Telephone
	Phillips Audio Sales Co whol distribtrs	New York Telephone
	Phillips Donald Invstmt advisr	New York Telephone
	Phillips Sales Co whol distribtrs	New York Telephone
	Power Jas J lwyr	New York Telephone
	Power Pierce J lwyr	New York Telephone
	Main Office	New York Telephone
	Queens Employment Svce	New York Telephone
	Reid Employ Svce	New York Telephone
	Rifco Sales Corp financg	New York Telephone
	Rochi Berry Inc mfrs reps	New York Telephone
	Ronox Bldrs Inc	New York Telephone
	Royal Hawahan Macadamia Nut Co	New York Telephone
	Seeley Harry atty	New York Telephone
	Sibek Albert W counsellor at law	New York Telephone
	Sicree Albert J atty	New York Telephone
	Smith Jay R Mfg Co	New York Telephone
	SNELLING & SNELLING OF LI CITY INC	New York Telephone
	Timpanaro Ralph M rl est	New York Telephone
	Turlin Realty Corp	New York Telephone
	Weber Harry atty & ins	New York Telephone
	Youngdahl C E & Co Inc contrs	New York Telephone

FINDINGS

Year	Uses	Source
1967	Youngdahl Ira C E b	New York Telephone
	Ziegler Louis rl est	New York Telephone
	Adler Westrex b	New York Telephone
	ALLEH & McNALLY EMPLOY AGNCY	New York Telephone
	Amer Apothecaries	New York Telephone
	Amer Apothecaries Co	New York Telephone
	Amer FirearMsm & Amurition Corp	New York Telephone
	Badean Internatl	New York Telephone
	Barlin Apts Inc	New York Telephone
1962	ALLEN & Mc NALLY employ agncy	New York Telephone Directory
	Amer Apothecaries Co	New York Telephone Directory
	Amer Fire arms & Ammunition Corp	New York Telephone Directory
	Andorn Bergida & Danks Inc fd brnrs	New York Telephone Directory
	Badean Internatl	New York Telephone Directory
	Barnard S B pat atty	New York Telephone Directory
	Barnard S Bernand consltg enqnr	New York Telephone Directory
	Berry Rochi Inc mfrs reps	New York Telephone Directory
	Blaha & Co Inc stk brkr	New York Telephone Directory
	Bode Herbert E rl est	New York Telephone Directory
	CARLIN RE SURVEYING CO	New York Telephone Directory
	Carsen & Sons Ltd	New York Telephone Directory
	Century Equip Rentl Corp	New York Telephone Directory
	Century Psaty Columbus	New York Telephone Directory
	Chatham Phenix Bidg	New York Telephone Directory
	City Wide Svcng Corp rl est	New York Telephone Directory
	Continentl Contact Lens Labs Inc	New York Telephone Directory
	Cooper Mary atty	New York Telephone Directory
	Craig Allen E R & Co CPAs	New York Telephone Directory
	DALY WM J SURVEYING CO	New York Telephone Directory
	Deimel Linen Mesh Systm Co	New York Telephone Directory
	Dortch Steve Wks Inc	New York Telephone Directory
	East Coast Aviation Inc	New York Telephone Directory
	Falcon Mfg Co	New York Telephone Directory
	Farmers Trading Corp	New York Telephone Directory
	Finch Chas K atty	New York Telephone Directory
	Finch & Finch atty	New York Telephone Directory
	Finch Tarry S atty	New York Telephone Directory
	Finnegan Leo C b	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	FYLES C E & CO INC ins	New York Telephone Directory
	Goetz Frank M	New York Telephone Directory
	Gruenwald Associats engnrs	New York Telephone Directory
	Halpern Ben M atty	New York Telephone Directory
	Harrison & Meyer Inc contr	New York Telephone Directory
	Hetherington John atty	New York Telephone Directory
	Hetherington John K atty	New York Telephone Directory
	Hosinger & Bode Inc rl est	New York Telephone Directory
	Hosinger Edw F rl est	New York Telephone Directory
	Irrera Raymomnd archt	New York Telephone Directory
	Irrera Raymond & Assocs archts	New York Telephone Directory
	Jacobson Benj J lwyr	New York Telephone Directory
	Kahn E A & Co Inc contrs	New York Telephone Directory
	Kenfyl Inc	New York Telephone Directory
	Kennedy John & Co Inc	New York Telephone Directory
	Kennedy Menke Co Inc food brkrs	New York Telephone Directory
	Klages Aug C lwyr	New York Telephone Directory
	Koch Emma Dr dntst	New York Telephone Directory
	Lalkin Lawrence b	New York Telephone Directory
	Lundgren O R B	New York Telephone Directory
	Lundgren Wm O lwyr	New York Telephone Directory
	Lustbader Co Inc bldrs	New York Telephone Directory
	Machine & Tool Co	New York Telephone Directory
	Magna Lux Lighter comnany	New York Telephone Directory
	MANUFACTURERS TRUST CO	New York Telephone Directory
	McGovern Jos atty	New York Telephone Directory
	Meyer Leon b	New York Telephone Directory
	Moran Mary fwyr	New York Telephone Directory
	Natl Automtv Wadding Co Inc	New York Telephone Directory
	No	New York Telephone Directory
	Queens Welfare Centr	New York Telephone Directory
	No	New York Telephone Directory
	Counicil of Social & Athletic Clubs	New York Telephone Directory
	PLR Company mfrs	New York Telephone Directory
	Payne A T & B B	New York Telephone Directory
	Payne Benj B lwyr	New York Telephone Directory
	Peerless Weighing & Vending Mach Corp ofc	New York Telephone Directory
	Phillips Sates Co whol distribtrs	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Pomars Harold A city mrshl	New York Telephone Directory
	Power Pierce J lwyr	New York Telephone Directory
	QUEENS EMPLOYMENT SVCE	New York Telephone Directory
	Reid Employ Svce	New York Telephone Directory
	Road Safety & Eqp Corp	New York Telephone Directory
	Rochi Berry Inc mfrs reps	New York Telephone Directory
	Schneider Emil L CPA	New York Telephone Directory
	Seeley Harry atty	New York Telephone Directory
	Sheehan John J atty	New York Telephone Directory
	Sibek Albert W counsellor at law	New York Telephone Directory
	Sicree Albert J atty	New York Telephone Directory
	Sicree & Wallace attys	New York Telephone Directory
	Stanley Home Prods Inc	New York Telephone Directory
	Watkins Salt Co Inc	New York Telephone Directory
	Weber Harry atty & ins	New York Telephone Directory
	Youngdahl C E & Co Inc contrs	New York Telephone Directory
	Youngdahl Carl E b	New York Telephone Directory
	Ziegler Louis rl est	New York Telephone Directory
	LI City	New York Telephone Directory
	Jksn Hgts	New York Telephone Directory
1950	APPLIANCE SALES	New York Telephone
	SERVICE DEPT	New York Telephone
1945	Amer Sales Book Co Inc	New York Telephone
	Baumgartner A A ins	New York Telephone
	Bode Herbert E rl est	New York Telephone
	Carlin Robt E srvyr	New York Telephone
	Committee for Economic Development Queens Cnty	New York Telephone
	Consolidatd Mfg Co	New York Telephone
	Cooper Mary atty	New York Telephone
	Engineering & Research Co	New York Telephone
	Falk Irwin DDS ofc	New York Telephone
	Finch Chas K atty	New York Telephone
	Friel Jas C b	New York Telephone
	Harper Oil Co Inc	New York Telephone
	Hayslip Arthur J atty	New York Telephone
	Hayslip Ellwyn F atty at law	New York Telephone
	Hed Realty Corp	New York Telephone
	Hayslip Arthur J atty	New York Telephone

FINDINGS

Year	Uses	Source
1945	Hayslip Ellwyn F atty at law	New York Telephone
	Hed Realty Corp	New York Telephone
	Hoff Vending Corp	New York Telephone
	Hosinger Edw F rl est	New York Telephone
	Jacobson Benj J lwyr	New York Telephone
	Jarcho Erickson Co Inc	New York Telephone
	Johnson Arthur A Corp The main ofc	New York Telephone
	Koch Emma Dr dntst	New York Telephone
	LI Beverage Co	New York Telephone
	Lotthamer Paul H b	New York Telephone
	Lunco Inc petrol prods	New York Telephone
	Lundy Jas A b	New York Telephone
	McLellan Prods bulk food	New York Telephone
	McLellan Robt D Co food prods	New York Telephone
	Miller Wm F rl est & ins	New York Telephone
	Moore Jos S atty	New York Telephone
	Moore & Sicree attys	New York Telephone
	Moran Mary lwyr	New York Telephone
	Moskoff Saul lwyr	New York Telephone
	Queens Welfare Centr	New York Telephone
	Nu Process Cleaning Co	New York Telephone
	OHaire Hugh A atty	New York Telephone
	Peerless Weighing & Vending Mach Corp	New York Telephone
	Rosenthal Sydney lwyr	New York Telephone
	Shake Sharp Razor Inc	New York Telephone
	Sibek Albert W counsellor at law	New York Telephone
	Sicree Albert J atty	New York Telephone
	Coml div	New York Telephone
1939	Adams Holding Corp	New York Telephone Company
	Belous Chas atty	New York Telephone Company
	Boulevard Const Corp	New York Telephone Company
	Buschman Andrew C b	New York Telephone Company
	Byrne John J Jr atty	New York Telephone Company
	Carney Plastering Corp	New York Telephone Company
	Chatham Phenix Building supt	New York Telephone Company
	Cushing Thos F atty	New York Telephone Company
	D&L Audit Co	New York Telephone Company
	Diouhy Frank lwyt	New York Telephone Company

FINDINGS

Year	Uses	Source
1939	Dobbins Tisdale Fuel & Oil Corp Order dept	New York Telephone Company
	Finch Chas K atty	New York Telephone Company
	Glickman Louis J rl est	New York Telephone Company
	Glickman Louis J Inc rl est	New York Telephone Company
	Hayslip Ellwyn F atty at law	New York Telephone Company
	Hiavac Albert lwyr	New York Telephone Company
	Hiavac & Diouhy lwyrs	New York Telephone Company
	Howard Odorless Cleaners Inc	New York Telephone Company
	Kellner Sidney atty	New York Telephone Company
	Lepel High Frequence Lab	New York Telephone Company
	Lunco Inc petrol prods	New York Telephone Company
	Lundy Jas A b	New York Telephone Company
	Masterson C Parke atty	New York Telephone Company
	Local Employment Ofcs	New York Telephone Company
	OHaire Hugh A atty	New York Telephone Company
	Physical Therapy Products Co	New York Telephone Company
	Porcalin Flexible Coatings Inc	New York Telephone Company
	Rebecchi Raymond atty	New York Telephone Company
	Sacker H M b	New York Telephone Company
	Sibek Albert W counsellor at law	New York Telephone Company
	Sparkes John Gordon pat atty	New York Telephone Company
	Sunnyside Bldg Corp	New York Telephone Company
	Buschman Anthony used cars No Blvd Abrndl< @Flushing@ ushng 75249	New York Telephone Company
1934	Klages Aug G Elva Lawyer	R. L. Polk & Co.
	Greenbaum Stanley L Florence acct	R. L. Polk & Co.
	Queens Community Councils Michl R Irio chairmn	R. L. Polk & Co.
	Barnaby Constuction Co Inc NYS cap $20 000 Peter Barnaby pres Jos De Joseph sec treas	R. L. Polk & Co.
	Betts Walter S real est	R. L. Polk & Co.
	Blackburn Letter Service RTN Alan R Alan jr & Josephine E Blackburn	R. L. Polk & Co.
	Brown R Y Co St Louis Mo Jas A Lundy mgr br	R. L. Polk & Co.
	Carlin Robt E Mary surveyor	R. L. Polk & Co.
	Carlson Gust Ave W Anna bldr	R. L. Polk & Co.
	Chatham Phenix Bldg	R. L. Polk & Co.
	Dayton Jas A Majel lawyer	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Dornfeld Bernard Forchelli & Dornefeld lawyer	R. L. Polk & Co.
	Elton Woods Associates Geo O & Royal B Woodelton ins	R. L. Polk & Co.
	Eureka Fireproofing Co Inc cap $10 000 Frank Streck pres Stanley Sobacka v pres Geo Cohen sec Felix Kogut treas	R. L. Polk & Co.
	Forchelli Don Liberato Forchelli & Dornfeld lawyer	R. L. Polk & Co.
	Forchelli & Dornfeld Don Forchelli and Bernard Dornfeld lawyers	R. L. Polk & Co.
	Harris H Trowbridge Ceclie real est	R. L. Polk & Co.
	Haylips Ellwyn F Marie lawyer	R. L. Polk & Co.
	Hed Realty Corp cap $20 000 Edw F Hosinger pres Herbert E Bode sec treas	R. L. Polk & Co.
	Hicks Jas W Kath lawyer	R. L. Polk & Co.
	Hicks John F lawyer	R. L. Polk & Co.
	Holliday Geo A Gertrude R lawyer	R. L. Polk & Co.
	Hosinger & Bode Inc cap $20 000 Edw F Hosinger pres Herbert E Bode sec treas real est and ins	R. L. Polk & Co.
	Johnson Arth A Corp The Cap $50 000 Arth A Johnson pres treas Albert E Saunders v pres Caryl H Dempsey sec civengs	R. L. Polk & Co.
	Johnson March Corp NY Arth Johnson pres Alf Saunders v pres E G Johnson sec Caryle H Dempsey treas concrete	R. L. Polk & Co.
	Joseph D pres Barnaby Constr Co Inc	R. L. Polk & Co.
	Loccisano Jas Aurora lawyer	R. L. Polk & Co.
	Loccisano R Dominick lawyer	R. L. Polk & Co.
	Long Island Agencies Corp NY Jos Risi pres Anthony Governali v pres Geo Napolino sec treas genl ins	R. L. Polk & Co.
	Lundy Jas A mgr R J Brown Co	R. L. Polk & Co.
	main office	R. L. Polk & Co.
	Realy Management Inc NY Gulon G Hillman pres treas real est brokers	R. L. Polk & Co.
	Rubenoff & Co Harold Rubonoff elec equip	R. L. Polk & Co.
	Rublnff Jeannette mgr Mhn Elec Lamp Co	R. L. Polk & Co.
	Sibek Albert W jr Anna lawyer	R. L. Polk & Co.
	Silverburgh Geo S sec treas Silverburgh & Tucker Inc	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Silverburgh & Tucker Ins NY Jos M Tucker pres Geo S Silverburgh sec treas Contrs	R. L. Polk & Co.
	Sparkes John G Alice matents	R. L. Polk & Co.
	Stanley Agency The NYS H Trowbridge Harris pres treas Gertrude C Hickey sec ins	R. L. Polk & Co.
	Tucker Jos M pres Silverburgh & Tucker Inc	R. L. Polk & Co.
	Tullis Wm R ins broker	R. L. Polk & Co.
	Ziegler Louis Eleanor real est	R. L. Polk & Co.

2931 41ST AVE

Year	Uses	Source
2005	Marymont	Hill-Donnelly Information Services

2932 41ST AVE

Year	Uses	Source
1970	Industrl Prods Div of Internatl Shoe Mach Corp	New York Telephone
	Internatl Shoe Mach Corp	New York Telephone
1967	Industrl Prods Div of Internatl Shoe Mach Corp	New York Telephone
	Internatl Shoe Mach Corp	New York Telephone
1962	Long Island City	New York Telephone Directory
	Number Not In Directory Info	New York Telephone Directory
1945	Business offices	New York Telephone
1939	Business offices Dial or call the operator and ask for the number listed below	New York Telephone Company

2934 41ST AVE

Year	Uses	Source
1970	Wilens Statnry & Prntng CO Inc	New York Telephone
1967	Wilens Statnry & Prntng Co Inc	New York Telephone
1962	Wilens Statnry & Prntng Co Inc	New York Telephone Directory
	LEVINE HENRY rl est	New York Telephone Directory
	Levien Henry rl est	New York Telephone Directory
	LEVIEN HENRY INC rl est	New York Telephone Directory
1945	Quensboro Window Cleaning Co	New York Telephone
	Wilen Harry prntr & statnry	New York Telephone
	Callman Herbert Co rl est	New York Telephone
	Herbert Callman Co rl est	New York Telephone

FINDINGS

Year	Uses	Source
1939	Callman Herbert Co rl est	New York Telephone Company
	Herbert Callman Co rl est	New York Telephone Company

2936 41ST AVE

Year	Uses	Source
1967	Offenberg J S b	New York Telephone
	Foremost Optical Prods Corp ofc	New York Telephone
	Plaza Realty Co	New York Telephone
1962	Famous Barbr Shop	New York Telephone Directory
	PLAZA REALTY CD	New York Telephone Directory
	Paces Barbr Shop	New York Telephone Directory
	Offenberg J S b	New York Telephone Directory
	Formalume Prods Corp	New York Telephone Directory
	Foremost Optical Prods Corp	New York Telephone Directory
1945	Levitan Louis Co Inc electrcl supls	New York Telephone
1939	Brimmer L G DDS off	New York Telephone Company

2937 41ST AVE

Year	Uses	Source
2017	007 DAY EMERGENCY TOWING 24 HRS	Cole Information Services
2014	007 DAY EMERGENCY TOWING 24 HRS	Cole Information Services
2009	GORIVER COM INC	Cole Information Services
	BANK OF NEW YORK	Cole Information Services
	CROSSTOWN MANAGEMENT CORP	Cole Information Services
2005	Goriver Com Inc 1 R	Hill-Donnelly Information Services
	Bank Of New York 2 F	Hill-Donnelly Information Services
	Crosstown Maintenance Co Inc	Hill-Donnelly Information Services
	Crosstown Realty Inc i F	Hill-Donnelly Information Services
	Fletcher Jeffrey r P	Hill-Donnelly Information Services
	Fletcher Jeffrey v	Hill-Donnelly Information Services
2004	JEFFREY FLETCHER	Cole Information Services
	CROSSTOWN MANAGEMENT CORP	Cole Information Services
	GRIGCO CONSTRUCTION CORP	Cole Information Services
2000	Bank The Qns	Cole Information Services
	Caretek	Cole Information Services
	& R Produce Inc	Cole Information Services
1999	BANK OF NEW YORK THE	Cole Information Services
1994	BANK OF NEW YORK THE-QUEENS OFFICES-LONG ISLAND CITY	Cole Information Services

FINDINGS

Year	Uses	Source
1991	Corporate Office	NYNEX Information Resource Company
	Long Island City	NYNEX Information Resource Company
1983	Barclays Bank Of N Y	New York Telephone
	Barclays Bank Of New York JFK International Airport @Jamaica@	New York Telephone
1976	Harry J Bigham	New York Telephone
1970	Light W R Co Inc	New York Telephone
1967	Light W R Co Inc	New York Telephone
1962	Nathan Jos N engnr	New York Telephone Directory

2938 41ST AVE

Year	Uses	Source
1970	Denis Lunchnet	New York Telephone
	Denis Luncheonette	New York Telephone
1967	Denis Lunchnet	New York Telephone
	Denis Luncheonette	New York Telephone
1962	Denis Lunchnet	New York Telephone Directory
	Denis Luncheonette	New York Telephone Directory
1945	Denis Luncheonette	New York Telephone
	Deniss Luncheonette	New York Telephone
1939	Denis Luncheonette	New York Telephone Company
1934	Gollander Shop Inc NY Louis Gollander pres Mathilda Gollander sec treas restr	R. L. Polk & Co.

2948 41ST AVE

Year	Uses	Source
1994	M C JEWELRY CORP	Cole Information Services

3003 41ST AVE

Year	Uses	Source
2000	A Anastasopoulos	Cole Information Services

3005 41ST AVE

Year	Uses	Source
1999	KALRA VISHVA	Cole Information Services

3008 41ST AVE

Year	Uses	Source
2009	PASQUALE CUFFARO	Cole Information Services

FINDINGS

3010 41ST AVE

Year	*Uses*	*Source*
2017	LOCKSMITH EXPRESS	Cole Information Services
	AUGUSTINE ALBERT LTD	Cole Information Services
	UADC INC	Cole Information Services
	HEINBOCKEL & KAEMPFER LLC	Cole Information Services
	KASSABIAN REALTY LLC	Cole Information Services
	GALLERIA RAMIS	Cole Information Services
	FELDMAN MICHL INC	Cole Information Services
	HELEN UFFNER VINTAGE CLOTHING LLC	Cole Information Services
	PERMANENT FOLIAGE SOLUTIONS INC	Cole Information Services
2014	AUGUSTINE ALBERT LIMITED	Cole Information Services
	MAINCO CONTRACTING CORPORATION ELEC	Cole Information Services
	KASSABIAN REALTY LLC	Cole Information Services
	MAINCO AIR CONDITIONING & REFRIGRATN	Cole Information Services
	HEINBOCKEL & KAEMPFER LLC	Cole Information Services
	UADC INCORPORATED	Cole Information Services
	HELEN UFFNER VINTAGE CLOTHING LLC	Cole Information Services
	PERMANENT FOLIAGE SOLUTIONS INCORPOR	Cole Information Services
	FELDMAN MANUFACTURING CORPORATION	Cole Information Services
2009	FELDMAN MANUFACTURING CORP	Cole Information Services
	ROGER ARLINGTON INC	Cole Information Services
	ART FX INC	Cole Information Services
	UNIVERSAL STAPLE INC	Cole Information Services
	DOORS NEW YORK CORP	Cole Information Services
	JOON MARKETING INC	Cole Information Services
	FELDMAN INC MICHAEL	Cole Information Services
	UNIVERSAL ART	Cole Information Services
	MAINCO CONTRACTING CORP	Cole Information Services
	PICASSO REMODELING CORP	Cole Information Services
	PRO GRAPHICS	Cole Information Services
2004	PRO GRAPHIX	Cole Information Services
	SUDDEN SWIMWEAR LLC	Cole Information Services
	FELDMAN MFG CORP	Cole Information Services
	UNIVERSAL STAPLE	Cole Information Services

FINDINGS

Year	Uses	Source
2004	MICHAEL FELDMAN INC	Cole Information Services
	TAKASHIMAYA NY INC	Cole Information Services
	JOON MARKETING INC	Cole Information Services
	MAINCO AIR CONDITIONING	Cole Information Services
1999	D W L INTERNATIONAL TRADING	Cole Information Services
	FELDMAN MICHAEL INCORPORATED	Cole Information Services
	MAINCO AIR CONDITIONING & REFRIGRATN CORPORATION	Cole Information Services
	PET ACCESS COM	Cole Information Services
	PRO GRAPHIX	Cole Information Services
	PRODUCT NV	Cole Information Services
	TAKASHIMAYA NY INCORPORATED	Cole Information Services
	PULP PAPER PRODUCTS	Cole Information Services
	FELDMAN MICHL INCORPORATED	Cole Information Services
	CASH IS KING	Cole Information Services
1994	MAINCO	Cole Information Services
	VEEMAC ELEVATOR CO INC	Cole Information Services
	MAIN CO	Cole Information Services
	MAINCO CONTRCTG CORP, ELEC CONTRS	Cole Information Services
	MAIN CO, ELECT & ELVTR REPRS	Cole Information Services
	MAINCO AIR CONDITIONING & REFRIGRATN CORP	Cole Information Services
	MAINTENANCE CO	Cole Information Services

3011 41ST AVE

Year	Uses	Source
2004	DEYZL POTARIS	Cole Information Services
	ATHANASSIO DRAKOPOULOS	Cole Information Services
	BETTY GOMEZ	Cole Information Services
	ALEXANDRA KARALIS	Cole Information Services
2000	Maged Elwassif	Cole Information Services

3012 41ST AVE

Year	Uses	Source
2004	HOWARD HANSEN	Cole Information Services

3014 41ST AVE

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

FINDINGS

3015 41ST AVE

Year	Uses	Source
2004	MICHAEL FRECHTMAN	Cole Information Services
1962	King Apts	New York Telephone Directory

3016 41ST AVE

Year	Uses	Source
2009	TARIQ CHAUDRY	Cole Information Services

3019 41ST AVE

Year	Uses	Source
2004	BRANIMIR GRANCARIC	Cole Information Services

3022 41ST AVE

Year	Uses	Source
2009	STELLA DELASOUDAS	Cole Information Services
2004	SAVAS DELASOUDAS	Cole Information Services

3026 41ST AVE

Year	Uses	Source
2009	JOHN CLARKE	Cole Information Services
2004	PETER GAFFNEY	Cole Information Services

3028 41ST AVE

Year	Uses	Source
2004	ALFONSO VISTOSO	Cole Information Services
	MAGDY HASSAN	Cole Information Services

3035 41ST AVE

Year	Uses	Source
2004	ETHEL CONNORS	Cole Information Services
	CATHERINE NAGLE	Cole Information Services

3036 41ST AVE

Year	Uses	Source
2004	STAVROULA MAVRAKI	Cole Information Services

3039 41ST AVE

Year	Uses	Source
2004	CARLOS LARGO	Cole Information Services
	SKENDER TAIPI	Cole Information Services

FINDINGS

3041 41ST AVE

Year	Uses	Source
2004	BERTA LOPEZ	Cole Information Services

3043 41ST AVE

Year	Uses	Source
2004	JACK UYANIK	Cole Information Services

41ST AVENUE BRIDGE PLZ

2928 41ST AVENUE BRIDGE PLZ

Year	Uses	Source
1934	WIENBARG MARTIN & Co Martin and Adaline S Wienbarg Accountants and Auditors chatham Phenix Bldg	R. L. Polk & Co.

41ST RD

2805 41ST RD

Year	Uses	Source
1934	Parti Angelo Mary Whitney Restr	R. L. Polk & Co.

41ST ST

2505 41ST ST

Year	Uses	Source
1996	FOSTER Jack	NYNEX
1991	Shim Doosop	NYNEX Information Resource Company
1983	Budnick Joseph	New York Telephone
1970	Mastrosimone Josephine	New York Telephone
	Baumann Arthur J	New York Telephone
1967	Baumann Arthur J	New York Telephone
	Behling Richd C	New York Telephone
	Jackson Jos	New York Telephone
	Mastrosimone Josephine	New York Telephone
1962	Baumann Arthur J	New York Telephone Directory
	Berenguer Ruth	New York Telephone Directory
	Berenguer Ruth	New York Telephone Directory
	Miller John C	New York Telephone Directory
1934	Casino Michl Anna	R. L. Polk & Co.
	Dickman Wm Clara brewer	R. L. Polk & Co.
	Freund Chas	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Grenech Court Apartments	R. L. Polk & Co.
	Harris Harry Rose phys	R. L. Polk & Co.
	Harrisak Harry Martha slsmn	R. L. Polk & Co.
	Hille Carl Betty Excelsior Press	R. L. Polk & Co.
	Kenny Vincent W Charlotte bus inspr	R. L. Polk & Co.
	Koch Otto C Clara cabtmkr	R. L. Polk & Co.
	Maguire Chas Cecile slsmn	R. L. Polk & Co.
	Makarius Theo Agnes litho Mhn	R. L. Polk & Co.
	Pospisil Jerome Francea bank clk	R. L. Polk & Co.
	Weiss Max Bertha haberdasher Mhn	R. L. Polk & Co.
	Castha Frank Anna shoe reprmn	R. L. Polk & Co.

2510 41ST ST

Year	Uses	Source
1983	Lynch John	New York Telephone
1934	Hartge Wm Lena cabtmkr	R. L. Polk & Co.
	Juhas Albert Mary cabtmkr	R. L. Polk & Co.

2511 41ST ST

Year	Uses	Source
1945	Schoudel Edith	New York Telephone
	Haynal D	New York Telephone
	Haynal D	New York Telephone
1934	Mc Evoy Leo Julia inspr	R. L. Polk & Co.
	Fogarty Mary wid Patk	R. L. Polk & Co.
	Courbeau Wilfred Elizabeth carp	R. L. Polk & Co.

2512 41ST ST

Year	Uses	Source
1996	FREIRE Manuel	NYNEX
	FRAYGUI Abdelhamld	NYNEX
1991	Blazej Stefan	NYNEX Information Resource Company
	Sheard Charles	NYNEX Information Resource Company
1983	Blazej Stefan	New York Telephone
1976	Blazej Steve	New York Telephone
1970	Blaze Steve	New York Telephone
	Pezzulich Jos	New York Telephone
1967	Parlato David	New York Telephone
	Pezzulich Jos	New York Telephone

FINDINGS

Year	Uses	Source
1967	Blaze Steve	New York Telephone
1962	Blazej Steve	New York Telephone Directory
1945	Parlato David	New York Telephone
1934	Eckerline Geo C Julia V supt	R. L. Polk & Co.
	Frahm Paul Elizabeth K chauf	R. L. Polk & Co.
	Frahm Wm J Lillian clk	R. L. Polk & Co.
	Penzer Leo Elsie slsmn	R. L. Polk & Co.
	Ross Marjorle sten	R. L. Polk & Co.

2516 41ST ST

Year	Uses	Source
1970	Markoly John	New York Telephone
1967	Markoly John	New York Telephone
1962	Markoly John	New York Telephone Directory
1945	Levine Aaron	New York Telephone
1934	Boudaniales Steven cook	R. L. Polk & Co.
	Cleary Wm F Elizabeth slsmn	R. L. Polk & Co.
	Duran Barbara wid Fredk	R. L. Polk & Co.
	Duran Fredk chauf	R. L. Polk & Co.
	Johnson Geo E Florence slsmn	R. L. Polk & Co.
	Milic Frank A Anna supt	R. L. Polk & Co.
	Mousmbules Nicholas D dep sheriff	R. L. Polk & Co.
	Severa Jos W Rose Wiremn	R. L. Polk & Co.

2518 41ST ST

Year	Uses	Source
1991	Verga A	NYNEX Information Resource Company
	Tadros T	NYNEX Information Resource Company
1962	Nickas Argirlos	New York Telephone Directory
1934	Smith Geo L Ellen inspr	R. L. Polk & Co.
	Smith Alex chauf	R. L. Polk & Co.
	Lippis Benj Mary lab	R. L. Polk & Co.
	Grosso Anthony Yolanda cabtmkr	R. L. Polk & Co.
	Dolpizzo Josephine wid Jos	R. L. Polk & Co.
	Carleo Nicholas Beatrice L auto mech	R. L. Polk & Co.
	Dolpizzo Ida mach opr	R. L. Polk & Co.

FINDINGS

2519 41ST ST

Year	Uses	Source
1934	Schrier Henry	R. L. Polk & Co.
	Bartels Clinton C Mathilda Barts Plaza Auto Exchange	R. L. Polk & Co.

2520 41ST ST

Year	Uses	Source
1991	Frantzis Stratos	NYNEX Information Resource Company
	Opacic Radoslav	NYNEX Information Resource Company
1983	Frantzis Stratos	New York Telephone
	Opacic Radoslav	New York Telephone
	V & O International Plumbing & Heating Co	New York Telephone
1970	OBrien James	New York Telephone
1962	Filipovich F	New York Telephone Directory
	Lefton Wm	New York Telephone Directory
	Phillips F	New York Telephone Directory
1945	Esposito Valentine P	New York Telephone
	Reichstein Anton	New York Telephone
1934	Weiss Ludwig Celia fcty wkr	R. L. Polk & Co.
	Behr Steph Anna carp	R. L. Polk & Co.
	Decker Gladys bkpr	R. L. Polk & Co.
	Decker Max Regina routemn	R. L. Polk & Co.
	Drucker Magdaline student	R. L. Polk & Co.
	Drucker Simon Margt shoes	R. L. Polk & Co.
	Lefton Wm Julia ins agt	R. L. Polk & Co.
	REMINGTON TYPEWRITER SALES & RENTAL SERVICE Queens Typewriter and Stationary Corp Typewriting Machines	R. L. Polk & Co.
	Weiss Bertha bkpr	R. L. Polk & Co.
	Stotz Karl Anna slsmn	R. L. Polk & Co.

2523 41ST ST

Year	Uses	Source
1991	Chae Kyu	NYNEX Information Resource Company
1983	Chae Angie	New York Telephone
1970	Lempert Saml M D	New York Telephone
1967	Lempert Saml MD	New York Telephone
1962	Lempert Saml MD	New York Telephone Directory
1945	Posik Jos W	New York Telephone

FINDINGS

Year	Uses	Source
1934	Bauman Mary wid Philip	R. L. Polk & Co.
	Moore John F Mary treas Nemmor Holding Corp	R. L. Polk & Co.

2524 41ST ST

Year	Uses	Source
1991	Barsoum Mourad	NYNEX Information Resource Company
	Frangiadakis Tasia	NYNEX Information Resource Company
	Hashimoto S	NYNEX Information Resource Company
1983	Hashimoto S	New York Telephone
1945	Kosbin John W	New York Telephone
1934	Laber Jacob Margt taxi driver	R. L. Polk & Co.
	Opitz Henrietta wid John	R. L. Polk & Co.
	Wood Gordon A police	R. L. Polk & Co.
	Wood Minnie wid Jas	R. L. Polk & Co.
	Wood Theresa sten	R. L. Polk & Co.
	Wright DAvid chauf	R. L. Polk & Co.
	Wright Grace tel opr	R. L. Polk & Co.
	Wright Mathilda wid DAvid	R. L. Polk & Co.

2525 41ST ST

Year	Uses	Source
1991	Collins Peter	NYNEX Information Resource Company
1983	Collins Peter	New York Telephone
1976	Collins Peter	New York Telephone
1945	De Meo Peter	New York Telephone
1934	Chmurzynski Ludwig Stephanie window clnr	R. L. Polk & Co.
	Kulcynski Frank Cath carp	R. L. Polk & Co.
	Skalski Walter auto mech	R. L. Polk & Co.
	Skalski Katy wid Stanley	R. L. Polk & Co.

2526 41ST ST

Year	Uses	Source
1970	Giardina Angelo	New York Telephone
1945	Sweeney Thos	New York Telephone
1934	Drummy John P Delia restr	R. L. Polk & Co.
	Meyer Harry Anna V police	R. L. Polk & Co.
	OGrady Dennis lab	R. L. Polk & Co.

FINDINGS

2527 41ST ST

Year	Uses	Source
1996	FRANGIADAKIS Tasia	NYNEX
1991	Berberich Amy	NYNEX Information Resource Company
1967	Svaigsen Eric	New York Telephone
1945	Burns C J supt dept watr supply gas & elec	New York Telephone
1934	Yule Robt cash	R. L. Polk & Co.
	Zidek Jos a Mary slsmn	R. L. Polk & Co.
	Yule Geo Linola chef	R. L. Polk & Co.
	Yule Edw blue printer	R. L. Polk & Co.

2529 41ST ST

Year	Uses	Source
1991	Brodsky Yuly	NYNEX Information Resource Company
1934	Smith Edw	R. L. Polk & Co.
	Paeglow Clarence R Mary police	R. L. Polk & Co.
	Hansen Andrew linsmn	R. L. Polk & Co.
	Honsch Babotte Mrs	R. L. Polk & Co.

2532 41ST ST

Year	Uses	Source
1983	Fraser James A	New York Telephone
1934	Grothe Rudolph G Anna sec	R. L. Polk & Co.

2533 41ST ST

Year	Uses	Source
1970	Granieri A	New York Telephone
1967	Granieri Anna A	New York Telephone
1962	Granieri Anna A	New York Telephone Directory
1934	Frahm Kathryn A slswn	R. L. Polk & Co.
	Frahm Aug S clk	R. L. Polk & Co.
	Frahm Aug Emllie furn dlr	R. L. Polk & Co.

2534 41ST ST

Year	Uses	Source
1991	Bermudez J	NYNEX Information Resource Company

2536 41ST ST

Year	Uses	Source
1967	Poulos John	New York Telephone

FINDINGS

Year	Uses	Source
1962	Poulos John	New York Telephone Directory
1945	Cahill Gregory H	New York Telephone
	Stincone Peter genl ins	New York Telephone
	Bigley Hugh P	New York Telephone
1934	Horvath Steph Elizabeth plstr Mhn	R. L. Polk & Co.
	Dietz John H Mary chauf	R. L. Polk & Co.
	Dieterichs Nicholas H jr bkpr	R. L. Polk & Co.
	Dieterichs Nicholas H Johanna bkpr	R. L. Polk & Co.
	Dieterichs Julia fcty wkr	R. L. Polk & Co.
	Bigley Patk Marie plstr	R. L. Polk & Co.

2539 41ST ST

Year	Uses	Source
1962	Seidel R E	New York Telephone Directory
1934	Laska Louis Anna bkbndr	R. L. Polk & Co.
	Seidel Geo Mamie Seidel Realty Co	R. L. Polk & Co.
	Linderen Alex Emelie brklyr hlpr	R. L. Polk & Co.

2540 41ST ST

Year	Uses	Source
1934	Ketchum Robt W lab	R. L. Polk & Co.
	Schmidt Leo Annie S clk	R. L. Polk & Co.

2541 41ST ST

Year	Uses	Source
1991	Imbinbo Paul S	NYNEX Information Resource Company
1967	Pape Lillian Mrs	New York Telephone
1962	Pape Katie	New York Telephone Directory
	Pape Lillian Ers	New York Telephone Directory
1934	Gaylord Katherine wid Wm	R. L. Polk & Co.
	Voras John ironwkr	R. L. Polk & Co.

2542 41ST ST

Year	Uses	Source
1991	Lippy Tod	NYNEX Information Resource Company
	Gress Kamal Nassif	NYNEX Information Resource Company
1983	Gress Kamal Nassif	New York Telephone
1934	Kucik Helen clk	R. L. Polk & Co.
	Krcik Jos Josephine meat ctr Columbia Meat Market	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Berla Frank	R. L. Polk & Co.
	Krcik Helen clk Mhn	R. L. Polk & Co.

2544 41ST ST

Year	Uses	Source
1991	Bastiani Celestino	NYNEX Information Resource Company
1983	Bastiani Celestino	New York Telephone
1934	Nehemias Lillian hse wkr	R. L. Polk & Co.
	Geerken Bernard Anna driver Mhn	R. L. Polk & Co.
	Daly John newspaper wkr	R. L. Polk & Co.
	North Douglas Anna chauf	R. L. Polk & Co.

2545 41ST ST

Year	Uses	Source
1991	Plakas Kleanthis	NYNEX Information Resource Company
1934	Mazza Hilda Mrs	R. L. Polk & Co.
	Machatsek Fredk J Mary whol meats	R. L. Polk & Co.
	Pfeiffer Bernhard Emma carp	R. L. Polk & Co.
	Schoenfeld Rose wid Aug	R. L. Polk & Co.

2546 41ST ST

Year	Uses	Source
1991	Mc Laughlin M & J	NYNEX Information Resource Company
1983	David Shapiro Painting Corp	New York Telephone
1970	Cacio D	New York Telephone
1967	Cacio D	New York Telephone
1962	Cacio d	New York Telephone Directory
1945	Hefner Jos J Jr	New York Telephone
	Hefner Jos J Jr	New York Telephone
	Cacio D	New York Telephone
1934	Cacio Pasquale ice dlr	R. L. Polk & Co.
	Cacio Domenico Clara ice dlr	R. L. Polk & Co.

2547 41ST ST

Year	Uses	Source
1967	Granieri John	New York Telephone
1962	Tricarico Sal	New York Telephone Directory
1934	Gaudio Martin Rio marble ctr	R. L. Polk & Co.

FINDINGS

2549 41ST ST

Year	Uses	Source
1991	Dangelo Mario	NYNEX Information Resource Company
1983	Dangelo Mario	New York Telephone
1967	Guido Vito	New York Telephone
1962	Guido Vito	New York Telephone Directory
1945	Kertin Thos	New York Telephone
1934	Gurovich Frances tel opr	R. L. Polk & Co.
	Drago Jerry Mary asbestos coverer	R. L. Polk & Co.
	Loccisano Dominick R lwayer	R. L. Polk & Co.
	Loccisano Frank clk Pres Boro of Q	R. L. Polk & Co.
	Loccisano John student	R. L. Polk & Co.
	Loccisano Pasquale Marie	R. L. Polk & Co.
	Loccisano Pasquale jr driver	R. L. Polk & Co.

2550 41ST ST

Year	Uses	Source
1991	Mc Mahon Adele	NYNEX Information Resource Company
1983	Mc Mahon Adele b	New York Telephone
1970	Adele Gastich	New York Telephone
	Gastich Adele	New York Telephone
1967	Adele Gastich	New York Telephone
	Gastich Adele	New York Telephone
1962	Gastich Adele	New York Telephone Directory
	Adele Gastich	New York Telephone Directory
1934	Arcuri Peter Dorothy clo ctr	R. L. Polk & Co.
	Bosten Geo Gertrude clk Mhn	R. L. Polk & Co.
	Ciulla Frank Dora	R. L. Polk & Co.
	Ciulla Vincent J clk	R. L. Polk & Co.
	Rubin Isidore Anna cleak opr	R. L. Polk & Co.

2551 41ST ST

Year	Uses	Source
1934	Becker Emma beautician	R. L. Polk & Co.
	Becker Emma wid Otto	R. L. Polk & Co.
	Timlin Geo A Agnes city firemn	R. L. Polk & Co.
	Hahn Geo hdw	R. L. Polk & Co.
	Becker Erhardt L bkpr	R. L. Polk & Co.

FINDINGS

2554 41ST ST

Year	Uses	Source
1991	Lombardo Mildred Mrs	NYNEX Information Resource Company
	Valentik Mary	NYNEX Information Resource Company
1983	Lombardo Mildred Mrs	New York Telephone
	Valentik Mary	New York Telephone
1976	Lombardo Mildred Mrs	New York Telephone
1970	Valentik Mary	New York Telephone
1967	Valentik Mary	New York Telephone
1962	Stecker Margaret A	New York Telephone Directory
	Valentik Mary	New York Telephone Directory
1934	Bessler Geo metal wkr	R. L. Polk & Co.
	Bessler John J clk	R. L. Polk & Co.
	Hendrickson Thos F Elizabeth E fctywkr	R. L. Polk & Co.

2557 41ST ST

Year	Uses	Source
1962	Marino Vincent J	New York Telephone Directory
1945	Marino Vincent	New York Telephone
	Prowse Marie	New York Telephone
	Anttila Ivar	New York Telephone
1934	Lange Chas J Emma pntr	R. L. Polk & Co.
	Lange Charlotte bkpr	R. L. Polk & Co.

2558 41ST ST

Year	Uses	Source
1991	Chevalier Hans	NYNEX Information Resource Company
1983	Chevalier Hans	New York Telephone
1967	Hunt Suzann	New York Telephone
1962	Degenhart Johann B	New York Telephone Directory
1934	Reiche Fredk br mgr Importers & Roasters Assn Inc	R. L. Polk & Co.
	Svaigsen Aug Marie pianomkr	R. L. Polk & Co.

2559 41ST ST

Year	Uses	Source
1991	Falzon Richard	NYNEX Information Resource Company
	Fernandez Manuel	NYNEX Information Resource Company
	Greitzer C	NYNEX Information Resource Company
	Pallova Klara	NYNEX Information Resource Company
	Rodriguez Hector	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Veis Costas Michael	NYNEX Information Resource Company
1983	Greenberg Irving	New York Telephone
	Suchy Andrew	New York Telephone
	Trott Paul F	New York Telephone
1976	Greenberg Irving	New York Telephone
1970	Trott Paul F	New York Telephone
	Greenberg Irving	New York Telephone
	Petterson O Edvin	New York Telephone
1967	Greenberg Irving	New York Telephone
	Petterson O Edvin	New York Telephone
	Trott Paul F	New York Telephone
1962	Heinze Otto H	New York Telephone Directory
	Petterson O Edvin	New York Telephone Directory
	Trott Paul F	New York Telephone Directory
1945	Greenberg Irving	New York Telephone
	Sternberg Sidney J	New York Telephone
	Trott Paul F	New York Telephone
1934	Minnie Rose Court Apartments	R. L. Polk & Co.
	Smith Mabel Mrs	R. L. Polk & Co.
	Wilkens Herman Ethel pntr	R. L. Polk & Co.
	Wilkens Ruth sten	R. L. Polk & Co.
	Guarnera Michl Josephine retail gro	R. L. Polk & Co.
	Goldner Adolph Kate clk	R. L. Polk & Co.
	Fleischer Morris Rose Grand Dalry Stores	R. L. Polk & Co.
	Dall Meyer Marie billiards	R. L. Polk & Co.
	Connolly Ethel clk	R. L. Polk & Co.
	Bauer John J police	R. L. Polk & Co.
	Bauer John F Mary police	R. L. Polk & Co.
	Hampeseed Geo Evelyn chauf	R. L. Polk & Co.
	Kane Anna tel opr	R. L. Polk & Co.
	Kowatch Frank L Margt slsmn Mhn	R. L. Polk & Co.
	Kutil Mary sten	R. L. Polk & Co.
	Mc Gowan Anthony Lillian comp	R. L. Polk & Co.

2560 41ST ST

Year	Uses	Source
1945	Naegeli Chas	New York Telephone
1934	Naegeli Fredk A clk	R. L. Polk & Co.
	Naegeli Chas Mildred tool mkr	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Naegeli Chas P mech eng	R. L. Polk & Co.

2562 41ST ST

Year	Uses	Source
1991	Junda Ronald	NYNEX Information Resource Company
	Lazarson E	NYNEX Information Resource Company
	Rendon Gildardo	NYNEX Information Resource Company
	Szoboszlai Huguette	NYNEX Information Resource Company
	Byrne Arthur	NYNEX Information Resource Company
	Arora Tilak Raj	NYNEX Information Resource Company
	Abdullah Abuzahid Mohammod	NYNEX Information Resource Company
1983	Carr Denis G	New York Telephone
	Byrne Arthur	New York Telephone
1976	Byrne Arthur	New York Telephone
	Breitbach Louis W	New York Telephone
1970	Breitbach Louis W	New York Telephone
1967	Knauer Geo L	New York Telephone
	Breitbach Louis W	New York Telephone
1962	Breitbach Louis W	New York Telephone Directory
	Knauer Geo L	New York Telephone Directory
1945	Theiss Alfred J	New York Telephone
	Brown Esther G	New York Telephone
1934	Wilson May sten	R. L. Polk & Co.
	Wilson Kath wid Jas A	R. L. Polk & Co.
	Weinar Jeremiah Edna mgr The Great A & P Tea Co	R. L. Polk & Co.
	Uhl Henry jr Ruth	R. L. Polk & Co.
	Mc Mullen Thos Dorothy civil eng	R. L. Polk & Co.
	Mc Allister Robt F Helen R chauf	R. L. Polk & Co.
	Holihan Dennis P Mildred R fcty wkr	R. L. Polk & Co.
	Henrys Richd Emma barher Mhn	R. L. Polk & Co.
	Feres John Valsta carp	R. L. Polk & Co.
	Feeney Edw A jr	R. L. Polk & Co.
	Feeney Edw A Anna acct	R. L. Polk & Co.
	Clifford Raymond H Lillian city firemn	R. L. Polk & Co.
	Cervenka Geo S Emma I auto repr	R. L. Polk & Co.
	Agosta Jos Frances pntr	R. L. Polk & Co.
	Adams Otto A Laura F mach	R. L. Polk & Co.

FINDINGS

2565 41ST ST

Year	Uses	Source
1934	Backora Jos fctywkr	R. L. Polk & Co.

2567 41ST ST

Year	Uses	Source
1991	Beiter Frank	NYNEX Information Resource Company
	Cirincione Maria	NYNEX Information Resource Company
1983	Dituri Frank	New York Telephone
	Zecca W	New York Telephone
1970	Zecca Chas	New York Telephone
1967	Zecca Chas	New York Telephone
1962	Zecca Chas	New York Telephone Directory
1945	Schneider Henry	New York Telephone
	Schneider Ella	New York Telephone
1934	Schneider Walter G clk	R. L. Polk & Co.
	Schneider Morris Sarh	R. L. Polk & Co.
	Schneider Henry police	R. L. Polk & Co.

2570 41ST ST

Year	Uses	Source
1991	Atanasoff E B	NYNEX Information Resource Company
	Bourquin Emile F	NYNEX Information Resource Company
	Kennedy William	NYNEX Information Resource Company
	Seufert George	NYNEX Information Resource Company
1983	Jahoda Frank W	New York Telephone
	Seufert George	New York Telephone
	Fabian Frank A	New York Telephone
	Bourquin Emile F	New York Telephone
1976	Bourquin Emile F	New York Telephone
1970	Brand Ethel M	New York Telephone
	Bourquin Emile F	New York Telephone
	Diaz Estelio	New York Telephone
	Nawroth Fredk	New York Telephone
	Benka R M	New York Telephone
1967	Benka R M	New York Telephone
	Bourquin Emile F	New York Telephone
	Brand Ethel M	New York Telephone
	Nawroth Fredk	New York Telephone
1962	Benka R M	New York Telephone Directory

FINDINGS

Year	Uses	Source
1962	Bourquin Emile F	New York Telephone Directory
	Brand Ethel M	New York Telephone Directory
	Ferrari Ann	New York Telephone Directory
	Nawroth Fredk	New York Telephone Directory
1945	Mills Wm	New York Telephone
1934	Bonar Edw G Christina S baker	R. L. Polk & Co.
	Burleigh Gerald W Hazel inspr	R. L. Polk & Co.
	Christie Hugh T Esther T mach	R. L. Polk & Co.
	Cuvala Emily beautician	R. L. Polk & Co.
	Egoumenidis Theo Donna fctywkr	R. L. Polk & Co.
	Harding Richd F Antoinette wkr	R. L. Polk & Co.
	Kessler Emma C sten	R. L. Polk & Co.
	Kessler Ruth fctywkr	R. L. Polk & Co.
	Kindler Abr I Augusta B projectionist	R. L. Polk & Co.
	Klecka Bertha sten Mhn	R. L. Polk & Co.
	Kynoch Maurice Helen chauf	R. L. Polk & Co.
	Kynoch Maurice jr clk Mhn	R. L. Polk & Co.
	Linch Jas C chauf	R. L. Polk & Co.
	ODonnell Jas Helen mgr Mhn	R. L. Polk & Co.
	OReilly John J Mary M formn	R. L. Polk & Co.
	Potter Jas Gertrude electn	R. L. Polk & Co.
	Potter Jas H Gertrude electn	R. L. Polk & Co.
	Pratt Wm C Louise D fcty wkr	R. L. Polk & Co.
	Present Jacob Ruth clk	R. L. Polk & Co.
	Present Max clk	R. L. Polk & Co.
	Pritchard Walter Anges clk	R. L. Polk & Co.
	Richardson Adam baker	R. L. Polk & Co.
	Richardson Margt mach opr	R. L. Polk & Co.
	Rooney Geo H Anne O tester	R. L. Polk & Co.
	Rudolph John J Katherine clk Mhn	R. L. Polk & Co.
	Tokar Lawrence plmbr	R. L. Polk & Co.
	Tokar Max Rose supt	R. L. Polk & Co.
	Vogelsang Harry Mary auto enz dept WS G & E	R. L. Polk & Co.
	Vogelsang Hanry F Emma lab	R. L. Polk & Co.
	Wright Romt chauf	R. L. Polk & Co.

FINDINGS

2571 41ST ST

Year	Uses	Source
1934	Kindler Albert Laura clk Mhn	R. L. Polk & Co.

2573 41ST ST

Year	Uses	Source
1934	Dohn Helen sten	R. L. Polk & Co.
	Dohn Sophia solderer	R. L. Polk & Co.
	Dohn Peter M Dorothy mach	R. L. Polk & Co.

2574 41ST ST

Year	Uses	Source
1934	Oelschlager Louis Frances police Mhn	R. L. Polk & Co.

2576 41ST ST

Year	Uses	Source
1991	Choudhury Shahid	NYNEX Information Resource Company
	Colmenares Manuel	NYNEX Information Resource Company
	Geus H J Mrs	NYNEX Information Resource Company
	Gehan A	NYNEX Information Resource Company
	Kimia Ghandi A	NYNEX Information Resource Company
	Malkas E A	NYNEX Information Resource Company
	Strgacic Antica	NYNEX Information Resource Company
1983	Macik Edw	New York Telephone
	Malkas E A	New York Telephone
	Strgacic Antica	New York Telephone
	Budess Maria	New York Telephone
	Colmenares Manuel	New York Telephone
	Geus H J Mrs	New York Telephone
	Greahn A	New York Telephone
1976	Budess Maria	New York Telephone
	Geus H J Mrs	New York Telephone
	Kelly Harold W	New York Telephone
	Macik Edw	New York Telephone
1970	Geus H J Mrs	New York Telephone
	Kelly Harold W	New York Telephone
	Macik Edw	New York Telephone
	McNeely Jas	New York Telephone
	OHagan Patk J	New York Telephone
1967	Geus H J Mrs	New York Telephone

FINDINGS

Year	Uses	Source
1967	Kelly Harold W	New York Telephone
	Macik Edw	New York Telephone
	McNeely Jas	New York Telephone
	OHagan Patk J	New York Telephone
1962	Geus H J Mrs	New York Telephone Directory
	Kelly Harold W	New York Telephone Directory
	Macik Edw	New York Telephone Directory
	McNeely Jas	New York Telephone Directory
	OBrien Jas P	New York Telephone Directory
	OHagan Patk J	New York Telephone Directory
1945	Weideman Mildred Miss	New York Telephone
	Residence	New York Telephone
1934	Basch Fred Agnes teller	R. L. Polk & Co.
	Brauer Walter P Marie F chauf	R. L. Polk & Co.
	Conklin Wm T Dorothy A pipeftr	R. L. Polk & Co.
	Cooper Fredk Edna pharm	R. L. Polk & Co.
	Jahn Jos Theresa mach	R. L. Polk & Co.
	Kuhn Elsie tel opr	R. L. Polk & Co.
	Kuhn Lillian clk	R. L. Polk & Co.
	Kuhn Mary wid Christopher	R. L. Polk & Co.
	Loose Edw A Mary C uphol	R. L. Polk & Co.
	Luckett Eug H Jean M sten	R. L. Polk & Co.
	Miller Wm Margt cash	R. L. Polk & Co.
	Paulsen Gust Ave A Nan C slsmn	R. L. Polk & Co.
	Riegrad Chas Sarah stationer	R. L. Polk & Co.
	Rosenhaum Irene sinstra	R. L. Polk & Co.
	Rosenhaum Mary Mrs	R. L. Polk & Co.
	Rosenhaum Nicholas studenr	R. L. Polk & Co.
	Rosenbam Simon Mary pntr	R. L. Polk & Co.
	Seller Gust Ave Helen pntr	R. L. Polk & Co.
	Sherry Ernest T Dora slsmgr	R. L. Polk & Co.
	Stroppel John Mary	R. L. Polk & Co.
	Stroppel Jos Anna	R. L. Polk & Co.
	Szabo Jos Mary piano mkr	R. L. Polk & Co.
	Tivenan Patk J Anna E lab	R. L. Polk & Co.
	Weinstock Wm W lawyer	R. L. Polk & Co.
	Weiss Rose	R. L. Polk & Co.
	Wood Peter Louise clk	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Woods Patk Theresa mgr The Gt A& Tea Co	R. L. Polk & Co.
	Zimmer Sophie smstrs Mhn	R. L. Polk & Co.

2577 41ST ST

Year	Uses	Source
1945	Recknagel Arthur	New York Telephone
1934	Koch Hilko Johanna	R. L. Polk & Co.
	Blowes Wm Bertha Stone ctr	R. L. Polk & Co.
	Blowes Geo plmbr hlpr	R. L. Polk & Co.
	Recknagel Frances	R. L. Polk & Co.
	Recknagel Arth Frances	R. L. Polk & Co.
	Recknagel Arth jr electn	R. L. Polk & Co.

2579 41ST ST

Year	Uses	Source
1934	Wolffinger Carl F Marie A auto mech	R. L. Polk & Co.

2581 41ST ST

Year	Uses	Source
1983	Betz John J	New York Telephone
1976	Castaldo Ferdinand S chrprctr	New York Telephone
1970	Caporale Lus	New York Telephone
1967	Caporale Luis	New York Telephone

2582 41ST ST

Year	Uses	Source
1976	Heimbach P A	New York Telephone

2583 41ST ST

Year	Uses	Source
1967	Kraus Geo Jr	New York Telephone
1962	Naclerio Vincent	New York Telephone Directory
	Kraus Geo Jr	New York Telephone Directory
1934	Serveiss Chas Mary K clk	R. L. Polk & Co.
	Kunz Jos A Clara insp Dept Water Supply G & E	R. L. Polk & Co.
	Luneburg Marrtin Laura clk	R. L. Polk & Co.

FINDINGS

2585 41ST ST

Year	Uses	Source
1991	Kong Yuhang	NYNEX Information Resource Company
1970	Rolando Pablo L	New York Telephone
1934	Wilcox John W Frances sta eng	R. L. Polk & Co.
	Cochrane Arth Anna slsmn	R. L. Polk & Co.

2586 41ST ST

Year	Uses	Source
1934	Pohorely John I Frances furrier Mhn	R. L. Polk & Co.
	Pohorely John I jr mach	R. L. Polk & Co.

2587 41ST ST

Year	Uses	Source
1945	Nagy J I	New York Telephone
1934	Dietze Frank C Edna E cabtmkr	R. L. Polk & Co.
	Polereezky Wm Esther waiter	R. L. Polk & Co.
	Diederich Carl br mgr Sobol Bros Inc	R. L. Polk & Co.
	Munro Arth Vivienne electn hlpr	R. L. Polk & Co.
	Hoffman Ruth E wid Alvin E sten	R. L. Polk & Co.
	Gladir Julius Paraska lab	R. L. Polk & Co.

2588 41ST ST

Year	Uses	Source
1991	Masolsky M	NYNEX Information Resource Company
1983	Masolsky R M	New York Telephone
1970	Masolsky Alex	New York Telephone
1967	Masolsky Alex	New York Telephone
1934	Thompson Chas Elizabeth formn	R. L. Polk & Co.
	Oris Frank F Anna M repr dept Educ	R. L. Polk & Co.
	Huhn Gust Ave	R. L. Polk & Co.

2593 41ST ST

Year	Uses	Source
1934	Brunette Rocca A Josephine deputy tax comr Dept T & A	R. L. Polk & Co.
	Hughes Jos elev opr Mhn	R. L. Polk & Co.

2595 41ST ST

Year	Uses	Source
1991	Awan Farrukh	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Farry John J	NYNEX Information Resource Company
	Herlcus David T MD PC ofc	NYNEX Information Resource Company
	Husain Masud	NYNEX Information Resource Company
	Yangis Nicholas	NYNEX Information Resource Company
1983	Farry John J	New York Telephone
	Herkus David T MD PC ofc	New York Telephone
1976	Farry John J	New York Telephone
	Herkus David T M D Pc ofr	New York Telephone
1970	Farry John J	New York Telephone
	Herkus David T MD ofc	New York Telephone
	Herman Louis	New York Telephone
	Norton Mary E	New York Telephone
1967	Herman Louis	New York Telephone
	Norton Mary E	New York Telephone
	Herkus David T MD ofc	New York Telephone
	Farry John J	New York Telephone
1962	Norton Mary E	New York Telephone Directory
	Herman Louis	New York Telephone Directory
	Herkus David T MD ofc	New York Telephone Directory
	Farry John J	New York Telephone Directory
1945	Herkus David T MD	New York Telephone
1934	Treitler Conrad Sophie lab	R. L. Polk & Co.
	Treitler Rudolph	R. L. Polk & Co.
	Wohlfart M mrs	R. L. Polk & Co.
	Byrnes Mary wid Edw	R. L. Polk & Co.
	Caruso Jos lab Mhn	R. L. Polk & Co.
	Engelke Fred A Kathleen brklyr	R. L. Polk & Co.
	Falk Jack Mildred phys	R. L. Polk & Co.
	Gerzanick Julius suto mech	R. L. Polk & Co.
	Gerzanick Steph Elizabeth auto uphol	R. L. Polk & Co.
	Gerzanick Steph A pdlr	R. L. Polk & Co.
	Hughes Frank chauf	R. L. Polk & Co.
	Hughes Peters Sarah wtchmn	R. L. Polk & Co.
	Hyman Louis Anna Baker	R. L. Polk & Co.
	Kissel Christopher H slsmn	R. L. Polk & Co.
	Kissel Fredk Bertha pntr	R. L. Polk & Co.
	Lange Mae wid Wm	R. L. Polk & Co.
	Lange Viola sten Mhn	R. L. Polk & Co.

Year	Uses	Source
1934	Miller Elizabeth fctywkr	R. L. Polk & Co.
	Mugan Walter Pauline clk	R. L. Polk & Co.
	Muniz Rafael R student Mhn	R. L. Polk & Co.
	Rousso Jack fctywkr	R. L. Polk & Co.
	Rousso Leo fcty wkr	R. L. Polk & Co.
	Rousso wid Saml	R. L. Polk & Co.
	Schrag Ethell mlnr	R. L. Polk & Co.
	Schrag Minna slswn	R. L. Polk & Co.
	Schrag Pearl typist	R. L. Polk & Co.
	Schrag Ruth	R. L. Polk & Co.

2626 41ST ST

Year	Uses	Source
1967	Federal Fibre Corp	New York Telephone

2640 41ST ST

Year	Uses	Source
1967	Newtown Homes Inc	New York Telephone
	Pawley Contrctg Corp	New York Telephone

2646 41ST ST

Year	Uses	Source
1934	OBrien John R Mardeine A sanitary inspr Health Dent	R. L. Polk & Co.

2701 41ST ST

Year	Uses	Source
1934	Hipp Fredk clk Queensboro Chamber of Commere	R. L. Polk & Co.

2719 41ST ST

Year	Uses	Source
1934	Gionetty Jos Constance barber	R. L. Polk & Co.

2811 41ST ST

Year	Uses	Source
1991	Trent Michael	NYNEX Information Resource Company
	Danella James	NYNEX Information Resource Company

2812 41ST ST

Year	Uses	Source
1991	Karoutsos Sideris	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1991	Cook A	NYNEX Information Resource Company
1983	Greco Frank	New York Telephone
1934	Holst Arnold electl eng Mhn	R. L. Polk & Co.
	Heller Louis Hattie baker	R. L. Polk & Co.
	Frick Martin Emma barber	R. L. Polk & Co.

2813 41ST ST

Year	Uses	Source
1991	Daruich Hector O	NYNEX Information Resource Company
	Mysholowsky Walter	NYNEX Information Resource Company
1983	Mysholowsky Walter	New York Telephone

2814 41ST ST

Year	Uses	Source
1934	Hildebrand Geo Anna pumpmn	R. L. Polk & Co.

2816 41ST ST

Year	Uses	Source
1934	Neumann Walter lab	R. L. Polk & Co.

2817 41ST ST

Year	Uses	Source
1962	Schwietering Henry G	New York Telephone Directory
1945	Farrell Mary Mrs	New York Telephone
	Riordan J W	New York Telephone

2818 41ST ST

Year	Uses	Source
1991	Ruhland R F	NYNEX Information Resource Company
1934	Leiman Minnie wid Peter	R. L. Polk & Co.
	Leiman Harold electn	R. L. Polk & Co.
	Leiman Arth slsmn	R. L. Polk & Co.

2820 41ST ST

Year	Uses	Source
1991	Atlantic Iron Wks Inc	NYNEX Information Resource Company
1983	Atlantic Iron Wks Inc	New York Telephone
1976	Atlantic Iron Wks Inc	New York Telephone
1970	Atlantic Iron Wks Inc	New York Telephone
	Burger Andrew J irn wks	New York Telephone

FINDINGS

Year	Uses	Source
1967	Atlantic Iron Wks Inc	New York Telephone
	Burger Andrew J irn wks	New York Telephone
1962	Atlantic Iron Wks	New York Telephone Directory
	Burger Andrew J irn wks	New York Telephone Directory
1945	Atlantic Iron Wks Inc	New York Telephone
	Burger John wks	New York Telephone
1934	Mathies Caroline Mrs confr	R. L. Polk & Co.

2823 41ST ST

Year	Uses	Source
1983	Mc Eneaney Chas	New York Telephone
	Wowk Nicholas	New York Telephone
1970	Barbera Mary	New York Telephone
	Fetzer Cibilho	New York Telephone
	McEneaney Chas	New York Telephone
1967	Tury Istvan	New York Telephone
	McEneaney Chas	New York Telephone
1962	McEneaney Chas	New York Telephone Directory
	Krejci Marie F Mrs	New York Telephone Directory

2824 41ST ST

Year	Uses	Source
1945	Foley Jos A	New York Telephone
	Foley Evelyn T Miss	New York Telephone
1934	Foley Jos A Anna commander	R. L. Polk & Co.

2825 41ST ST

Year	Uses	Source
1945	De Vito Teddy	New York Telephone
	Schwartz Eugene A	New York Telephone

2827 41ST ST

Year	Uses	Source
1983	Centor Larry @Bayside@	New York Telephone
	Centonze W	New York Telephone
	Centonze Canio	New York Telephone

2828 41ST ST

Year	Uses	Source
1991	Neos Denise	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1945	Torrie Chas	New York Telephone
	Torres C Mrs	New York Telephone
1934	Salerno Raphael Helen cond	R. L. Polk & Co.
	Mc Intyre Jas D Harriet supvr	R. L. Polk & Co.
	Mc Intyre Chas jr drftsmn	R. L. Polk & Co.
	Boynorski Stanley bkpr	R. L. Polk & Co.
	Boynorski Henry clk	R. L. Polk & Co.
	Boynorski Benj chauf	R. L. Polk & Co.

2829 41ST ST

Year	Uses	Source
1934	Furedy Chas Hermine supt	R. L. Polk & Co.
	Eisenberg Israel H Emelia	R. L. Polk & Co.
	Eisenberg I H Madeline Koppelman whol florist	R. L. Polk & Co.

2830 41ST ST

Year	Uses	Source
1991	Whittle Walter	NYNEX Information Resource Company
1983	Whittle Walter	New York Telephone
	Egan Francis	New York Telephone
1970	Whittle Walter	New York Telephone
1967	Whittle Walter	New York Telephone
1962	Whittle Walter	New York Telephone Directory
1934	Winton Ralph clk	R. L. Polk & Co.
	Winton Ernest Theresa slsmn	R. L. Polk & Co.
	Winton Frances clk	R. L. Polk & Co.

2832 41ST ST

Year	Uses	Source
1976	Collin August E	New York Telephone
1970	Collin August E	New York Telephone
1967	Collin August E	New York Telephone
1962	Collin August E	New York Telephone Directory
1934	Kenney Jas J student	R. L. Polk & Co.
	Kenney John P clk	R. L. Polk & Co.
	Linch John	R. L. Polk & Co.
	Woehrle Chas Rose lather	R. L. Polk & Co.
	Kenney Jas P Lucy	R. L. Polk & Co.

FINDINGS

2834 41ST ST

Year	Uses	Source
1983	Trotta A	New York Telephone
1970	Trotta Angela	New York Telephone
1967	Trotta Was E	New York Telephone
1962	Trotta Wm E	New York Telephone Directory
1945	Schmittberger John	New York Telephone
1934	Schmittberger Thos Anna funeral director	R. L. Polk & Co.
	Schmittberger John Anna city police	R. L. Polk & Co.

2835 41ST ST

Year	Uses	Source
1991	Bukofzer Philip	NYNEX Information Resource Company
	Cassar J	NYNEX Information Resource Company
	Cline Robt	NYNEX Information Resource Company
	Macyko Andrew E	NYNEX Information Resource Company
	Macys Customer Svce	NYNEX Information Resource Company
	Lost & Stolen Cards	NYNEX Information Resource Company
	Manhattan Herald Square Teleservice Customer Orders Toll Free Dial & Then	NYNEX Information Resource Company
	All Other Business	NYNEX Information Resource Company
	OHara T	NYNEX Information Resource Company
	Santonocito Eugene	NYNEX Information Resource Company
1983	Mataras Filo	New York Telephone
	Santonocito Eugene	New York Telephone
	Bukofzer Philip	New York Telephone
	Cline Robt	New York Telephone
	Macyko Andrew E	New York Telephone
	MACYS	New York Telephone
	Furniture Adjstmets	New York Telephone
1976	Cline Robt	New York Telephone
	Macyko Andrew E	New York Telephone
1970	Macyko Andrew E	New York Telephone
	Mast Aaron	New York Telephone
	Nadel Sadye Mrs	New York Telephone
	Richolson H	New York Telephone
	Ring J	New York Telephone
	Santonocito Eugene	New York Telephone
	Cline Robt	New York Telephone
	Hill John	New York Telephone

FINDINGS

Year	Uses	Source
1970	Lichstein David	New York Telephone
1967	Bogatin J	New York Telephone
	Cline Robt	New York Telephone
	Hill John	New York Telephone
	Lichstein David	New York Telephone
	Macyko Andrew E	New York Telephone
	Mast Aaron	New York Telephone
	Nadel Sadye Mrs	New York Telephone
	Ring J	New York Telephone
	Santonocito Eugene	New York Telephone
1962	Bogatin J	New York Telephone Directory
	Cline Robt	New York Telephone Directory
	Macvko Andrew E	New York Telephone Directory
	Mast Aaron	New York Telephone Directory
	Nadel Sadye Mrs	New York Telephone Directory
	Ring J	New York Telephone Directory
	Rizzo Ned	New York Telephone Directory
	Santonocito Eugene	New York Telephone Directory
1945	Residence	New York Telephone
	Nussbaum Jack	New York Telephone
	Smith J Edw	New York Telephone
	Wachtel Robt	New York Telephone
	Adams Marian C	New York Telephone
	Hill John	New York Telephone
	Lichstein David	New York Telephone
	Mast Aaron	New York Telephone
	Mosler Abraham	New York Telephone
1939	Nadel H	New York Telephone Company
1934	Mc Mahon John Mary chauf	R. L. Polk & Co.
	Menick Fredk Mary clk	R. L. Polk & Co.
	Mirovsky Roy J Mary slsmn	R. L. Polk & Co.
	Morgan Bridget Wid John	R. L. Polk & Co.
	Muller Henry Frieda wood carver	R. L. Polk & Co.
	Mullov Lawrence Marie mgr	R. L. Polk & Co.
	Autore Roy Betty slsmn	R. L. Polk & Co.
	Benes Fredk Emily auto mech Mhn	R. L. Polk & Co.
	Chaloupka Jos Helen Tri Boro Beef Co	R. L. Polk & Co.
	Cohen Harry Helen Queens Toy & Sport Shop	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Ford Edw Ada foremn Brooklyn Union Gas Co	R. L. Polk & Co.
	Fortune John E Caroline police	R. L. Polk & Co.
	Gerstner John E Julia clk	R. L. Polk & Co.
	Hegeman Paul W Rose mgr Gt A & PT Co	R. L. Polk & Co.
	Helfeld Isadore Sylvia Fashion Minry Shop	R. L. Polk & Co.
	Hill John Anna cabtemkr Mhn	R. L. Polk & Co.
	Hynes John Mary Chauf	R. L. Polk & Co.
	Kuba Harry Mae mgr United Citar Stores Co	R. L. Polk & Co.
	Marino Leonard Viola plmbr	R. L. Polk & Co.
	Nehl Magdalen	R. L. Polk & Co.
	Ottmann Angela sten	R. L. Polk & Co.
	Ottmann Angela T wid Constance organist	R. L. Polk & Co.
	Portnoy Saml Eva trucking	R. L. Polk & Co.
	Zimmer Frank Johanna mgr	R. L. Polk & Co.
	Zuckerman Jacob Fannie dresses	R. L. Polk & Co.
	Zuckerman Mildred slswn	R. L. Polk & Co.
	Zuckerman Sylvia bkpr	R. L. Polk & Co.

2838 41ST ST

Year	Uses	Source
1991	Stewart Michael	NYNEX Information Resource Company
1983	Hadjiantoniou Nicolas	New York Telephone
1970	Spielman Gertrude	New York Telephone
1967	Spielman Gertrude	New York Telephone
1962	Spielman Gertrude	New York Telephone Directory
1934	Perilli John J Helen countermn	R. L. Polk & Co.
	Ost Henry cigar mfr	R. L. Polk & Co.
	Ost Christian Johanna	R. L. Polk & Co.
	Eisenhardt Rose Mrs clnr	R. L. Polk & Co.
	Eisenhardt Anna tel opr	R. L. Polk & Co.
	Eisenhardt Andrew O bkpr	R. L. Polk & Co.

2840 41ST ST

Year	Uses	Source
1970	Mullen John P	New York Telephone
1967	Mullen John P	New York Telephone
1962	Mullen John P	New York Telephone Directory
1934	Bossak Jacob Gertrude Marvel Shop	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Kenna Patk J Agnes clk Mhn	R. L. Polk & Co.
	Goldmintl Martha clk	R. L. Polk & Co.
	Kenna sally sten	R. L. Polk & Co.
	Rubenstein Aron hebrew tchr	R. L. Polk & Co.
	Engels Anna tel opr	R. L. Polk & Co.
	Engels Mary typist	R. L. Polk & Co.
	Engels Margt typist	R. L. Polk & Co.
	Engels Henry L Nellie ship clk	R. L. Polk & Co.

2841 41ST ST

Year	Uses	Source
1945	Mulligan A C Mrs	New York Telephone
1934	Mueller Paul Marie mail carrier	R. L. Polk & Co.
	Sauerbrev Wm Christine blksmith	R. L. Polk & Co.

2843 41ST ST

Year	Uses	Source
1991	Therianos Michl	NYNEX Information Resource Company
1983	Therianos Michl	New York Telephone
1976	Dougherty E	New York Telephone
1970	Wilstermann John H	New York Telephone

2845 41ST ST

Year	Uses	Source
1991	Chonbitakis Maria	NYNEX Information Resource Company
1934	KIRK Robt W Cath Ayrshire Meat Market	R. L. Polk & Co.

2846 41ST ST

Year	Uses	Source
1991	Balderson N	NYNEX Information Resource Company
	Giglio Jane Mrs	NYNEX Information Resource Company
	Montalvo Sam	NYNEX Information Resource Company
	Parlato Gertrude	NYNEX Information Resource Company
	Stevans Geraldine	NYNEX Information Resource Company
1983	Koltsidis Evangelos	New York Telephone
	Montalvo Sam	New York Telephone
	OFarrell Matthias	New York Telephone
	Parlato Gertrude	New York Telephone
	Ricco R	New York Telephone
	Giglio Jane Mrs	New York Telephone

FINDINGS

Year	Uses	Source
1976	Hanson H	New York Telephone
1970	Bertucci Dominic	New York Telephone
	Hanson Helen Mrs	New York Telephone
	Kelly Robt H	New York Telephone
	Klessinger Louise	New York Telephone
	Parlato Gertrude	New York Telephone
	Rashkovsky H	New York Telephone
	Stargardter Sally	New York Telephone
1967	Hanson Helen Mrs	New York Telephone
	Kelly Robt H	New York Telephone
	Klessinger Louise	New York Telephone
	Meshel Nathan	New York Telephone
	Parlato Gertrude	New York Telephone
	Rashkovsky H	New York Telephone
	Stargardter Sally	New York Telephone
1962	Hanson Helen Mrs	New York Telephone Directory
	Klessinger Louise	New York Telephone Directory
	Meshel Nathan	New York Telephone Directory
	Parlato Gertrude	New York Telephone Directory
	Rashkovsky H furs	New York Telephone Directory
	Stargardter Sally	New York Telephone Directory
1945	Ach Mitchell K	New York Telephone
	Kirkwood L W	New York Telephone
	Schneider Herman M	New York Telephone
	Zeifman Morris	New York Telephone
1934	Biela Sylvester M Anna clk	R. L. Polk & Co.
	Checkly Chas Laura slsmn	R. L. Polk & Co.
	Dessan H D Marvel Dress Shop	R. L. Polk & Co.
	Dessau Herman D	R. L. Polk & Co.
	Ehrman Henry C Rose M	R. L. Polk & Co.
	Eudenbach Wm Dora Astoria Coffee Shop	R. L. Polk & Co.
	Eudenbach Wm jr countermn	R. L. Polk & Co.
	Feigenbaum Harry Annabelle agt	R. L. Polk & Co.
	Fels Fredk Margt printer	R. L. Polk & Co.
	Fermagich Irving Rose slsmn	R. L. Polk & Co.
	Fermagich Isidore Sarah carpet lyr	R. L. Polk & Co.
	Gannon Frank J Cath asst engr	R. L. Polk & Co.
	Gernert Ernest Charlotte waiter	R. L. Polk & Co.

Year	Uses	Source
1934	Grottian Gust Ave Pauline chauf	R. L. Polk & Co.
	Haupert Arth Louise mechl eng	R. L. Polk & Co.
	Herman Michl Fannie slsmn	R. L. Polk & Co.
	Hirschler Richd Rosa sec treas Rayann Photo Works Inc	R. L. Polk & Co.
	Ingman Helen sten	R. L. Polk & Co.
	Jensen Albert A Gladys acct	R. L. Polk & Co.
	Korientz Anna dom	R. L. Polk & Co.
	Kriz Anton F Anna FD	R. L. Polk & Co.
	Leichter Louis H Minnie asst supt	R. L. Polk & Co.
	Lipman J Jennie Tri Bor Fish & Oyster Mkt	R. L. Polk & Co.
	Marline Lawrence J Elizabeth clk	R. L. Polk & Co.
	Nussbaum Jack Lauretta clk	R. L. Polk & Co.
	ONeill Jos D Edna M emp FD	R. L. Polk & Co.
	Roach Norman J Helen optometrist Mhn	R. L. Polk & Co.
	Schneider Herman M Sadie New England Mils	R. L. Polk & Co.
	Straka Fredk Camille clk	R. L. Polk & Co.
	Ziegler Saml Sarah electn	R. L. Polk & Co.

2849 41ST ST

Year	Uses	Source
1991	Maroulis Tina	NYNEX Information Resource Company
1983	Nasser Bassem E	New York Telephone
1934	Farrell Peter Mary mech	R. L. Polk & Co.

2884 41ST ST

Year	Uses	Source
1934	Funk Fredk R Clara acct	R. L. Polk & Co.

2927 41ST ST

Year	Uses	Source
1934	Kerr Lorence V Edith real est	R. L. Polk & Co.

2946 41ST ST

Year	Uses	Source
1983	Christian Dominick N	New York Telephone

3003 41ST ST

Year	Uses	Source
1983	Mountzouridis Georgios	New York Telephone

FINDINGS

Year	Uses	Source
1945	Weinar A	New York Telephone
	Murdock Frieda Mrs	New York Telephone
1934	Stumpf Burkart Anna proofr dr	R. L. Polk & Co.
	Weinar Anton Antoinette	R. L. Polk & Co.
	Weinar Arth student	R. L. Polk & Co.
	Mayer Minnie wid Wm clk	R. L. Polk & Co.

3005 41ST ST

Year	Uses	Source
1991	Effie P Fashions Co	NYNEX Information Resource Company
1934	Tiliczky Andrew Louisa gro ret	R. L. Polk & Co.

3011 41ST ST

Year	Uses	Source
1991	Cistema Romualda	NYNEX Information Resource Company
	Costa Costas	NYNEX Information Resource Company
	Kambouris Kostas	NYNEX Information Resource Company
1983	Bejarano Sergio	New York Telephone
	Cisterna Romualda	New York Telephone
1976	Cisterna Romealda	New York Telephone
	Cunningham Edw G	New York Telephone
	Jorge Carlos	New York Telephone
1970	Cunningham Edw G	New York Telephone
	Jorge Carlos	New York Telephone
	Rizzo Jas J	New York Telephone
	Tochterman Wm Sr	New York Telephone
1967	Cunningham Edw G	New York Telephone
	Jorge Carlos	New York Telephone
	Jorge Chas	New York Telephone
	Rizzo Jas J	New York Telephone
	Tochterman Wm Sr	New York Telephone
1962	Rizzo Jas J	New York Telephone Directory
	Tochterman Wm Sr	New York Telephone Directory
1945	Cunningham Edw G	New York Telephone
1934	Block Saml Margt porter	R. L. Polk & Co.
	Deubel Jos Martha slsmn	R. L. Polk & Co.
	Deubert Aug Minnie chauf	R. L. Polk & Co.
	Di Pasqua Frank clk Mhn	R. L. Polk & Co.
	Di Pasqua Grace mach opr	R. L. Polk & Co.

Year	Uses	Source
1934	Di Pasqua Sarah wid Peter buttonhole mkr Mhn	R. L. Polk & Co.
	Donegan Michl W Helen inspr Dept Licenses	R. L. Polk & Co.
	Elias Jacob Sophie floor scraper	R. L. Polk & Co.
	Layden Patk J Minnie F lab	R. L. Polk & Co.
	Nagel Henry A carp	R. L. Polk & Co.
	Roeper Wm F Johanna formn	R. L. Polk & Co.
	Rutmayer Geo F Gladys J instrument	R. L. Polk & Co.
	Schmidt Anton magdalena mach	R. L. Polk & Co.
	Stephenson Harry Anna eng	R. L. Polk & Co.
	Tilke Anna wid Max	R. L. Polk & Co.
	Von Graevenitz John Mildred waiter	R. L. Polk & Co.

A F OF L 4110 29

450 A F OF L 4110 29

Year	Uses	Source
1967	Bakery & Confctry Workers Internatl Union of America Local	New York Telephone

AF OF L 2928 41ST AVE

21096 AF OF L 2928 41ST AVE

Year	Uses	Source
1939	Copper Workers Federal Labor Union Local	New York Telephone Company

21369 AF OF L 2928 41ST AVE

Year	Uses	Source
1939	Olive & Dried Fruit Packers Union Local	New York Telephone Company

21863 AF OF L 2928 41ST AVE

Year	Uses	Source
1939	Federal Labor Union Local	New York Telephone Company

BRDGAE PLZ N

2701 BRDGAE PLZ N

Year	Uses	Source
1983	United Togs Inc	New York Telephone

FINDINGS

BRDSE PLZ N

2515 BRDSE PLZ N

Year	Uses	Source
1962	Smith Martin Dr podiatrst	New York Telephone Directory

BRIDGE PLAZA NST

2909 BRIDGE PLAZA NST

Year	Uses	Source
1939	DOrio Concrete Constn Co	New York Telephone Company
	Hawkins Harold A rl est	New York Telephone Company
	Heitmann Adrian C b	New York Telephone Company
	Sanzo Michl b	New York Telephone Company

BRIDGE PLZ

2902 BRIDGE PLZ

Year	Uses	Source
1934	Weiss Nathan real est	R. L. Polk & Co.

2909 BRIDGE PLZ

Year	Uses	Source
1970	A&P Store Fronts Inc	New York Telephone
1934	Payne Geo E & & Son Geo E and Geo A ins and real est	R. L. Polk & Co.
	Bishop Jas M Mary E ins	R. L. Polk & Co.
	Mooney Stanley R lawyer	R. L. Polk & Co.
	Gateway Realty Co Inc NYC Geo E Payne pres	R. L. Polk & Co.

2914 BRIDGE PLZ

Year	Uses	Source
1934	Fluke DAvid Freda stationer	R. L. Polk & Co.

BRIDGE PLZ N

2909 BRIDGE PLZ N

Year	Uses	Source
1962	Hawkins Harold A rl est	New York Telephone Directory

FINDINGS

BRIDGE PLZ NORTH

2701 BRIDGE PLZ NORTH

Year	Uses	Source
1994	MARCUS, & WIESEN	Cole Information Services
	BRAUSE REALTY CORP	Cole Information Services
	NINA SHOES WAREHOUSE OUTLET	Cole Information Services
	IDEAL SHOULDER PAD CO INC	Cole Information Services
	SIL-O-ETTE INTERNATIONAL INC	Cole Information Services
	UMGI FASHION	Cole Information Services
	MARCUS, & WIESEN	Cole Information Services
	NINA SHOES WAREHOUSE OUTLET	Cole Information Services
	UMGI FASHION	Cole Information Services
	SIL-O-ETTE INTERNATIONAL INC	Cole Information Services
	BRAUSE REALTY CORP	Cole Information Services
	IDEAL SHOULDER PAD CO INC	Cole Information Services

2704 BRIDGE PLZ NORTH

Year	Uses	Source
1994	SHOE & SNEAKER SHOP	Cole Information Services

2810 BRIDGE PLZ NORTH

Year	Uses	Source
1994	KINNEY SYSTEM INC	Cole Information Services
	KINNEY SYSTEM INC	Cole Information Services

2811 BRIDGE PLZ NORTH

Year	Uses	Source
1994	NYC EDUCATION-CITY BOARD OF-HEADQUARTERS OFCS-ZONING & INTERGRATION OFC	Cole Information Services
	NYC DEPT OF TRANSPORTATION-COMPLAINTS	Cole Information Services
	NYC DEPT OF TRANSPORTATION-TRAFFIC OPERATIONS BUR OF-MAIN OFC & INFO	Cole Information Services
	VENIER JOHN	Cole Information Services
	NYC EDUCATION-CITY BOARD OF-HEADQUARTERS OFCS-ZONING & INTERGRATION OFC	Cole Information Services
	NYC DEPT OF TRANSPORTATION-TRAFFIC OPERATIONS BUR OF-MAIN OFC & INFO	Cole Information Services
	VENIER JOHN	Cole Information Services

FINDINGS

Year	Uses	Source
1994	NYC DEPT OF TRANSPORTATION-COMPLAINTS	Cole Information Services

2909 BRIDGE PLZ NORTH

Year	Uses	Source
1994	LEODORO TRANSTOURS INC	Cole Information Services
	GARY G EMANUEL BROKERAGE INC	Cole Information Services
	HAG PLUMBING & HEATING INC	Cole Information Services
	EMANUEL GARY G BROKERAGE INC	Cole Information Services
	PROPRIETARY SYSTEMS INC	Cole Information Services
	PAYNE GEO & SON INC, INS	Cole Information Services
	THE CLASSIC COVERUP INC	Cole Information Services
	PC PAYROLL INC	Cole Information Services
	PIAZZA, STEPHEN A, CPA	Cole Information Services
	BENZONI ANDREW	Cole Information Services
	GLOMAR-ASBESTOS TESTING LABS	Cole Information Services
	E V GREEN MANAGEMENT INC	Cole Information Services
	ARENA INC	Cole Information Services
	GLOMAR-ASBESTOS TESTING LAB	Cole Information Services
	LUX AGNES E, RL EST & INS	Cole Information Services
	SCHWARTZ, ABRAHAM, ATTY	Cole Information Services
	DITMAR'S INSURANCE BROKERAGE	Cole Information Services
	NU ENLAND ENTERPRISE	Cole Information Services
	G & S ASSOCS	Cole Information Services
	LEODORO TRANSTOURS INC	Cole Information Services
	G & S ASSOCS	Cole Information Services
	HAG PLUMBING & HEATING INC	Cole Information Services
	EMANUEL GARY G BROKERAGE INC	Cole Information Services
	PROPRIETARY SYSTEMS INC	Cole Information Services
	PAYNE GEO & SON INC, INS	Cole Information Services
	THE CLASSIC COVERUP INC	Cole Information Services
	PC PAYROLL INC	Cole Information Services
	BENZONI ANDREW	Cole Information Services
	PIAZZA, STEPHEN A, CPA	Cole Information Services
	GLOMAR-ASBESTOS TESTING LABS	Cole Information Services
	E V GREEN MANAGEMENT INC	Cole Information Services
	ARENA INC	Cole Information Services
	GLOMAR-ASBESTOS TESTING LAB	Cole Information Services
	LUX AGNES E, RL EST & INS	Cole Information Services

Year	Uses	Source
1994	SCHWARTZ, ABRAHAM, ATTY	Cole Information Services
	DITMAR'S INSURANCE BROKERAGE	Cole Information Services
	NU ENLAND ENTERPRISE	Cole Information Services
	GARY G EMANUEL BROKERAGE INC	Cole Information Services

2915 BRIDGE PLZ NORTH

Year	Uses	Source
1994	CHAMBER OF COMMERCE BORO OF QUEENS	Cole Information Services
	DENA'S COFFEE SHOP	Cole Information Services
	SABARA INC, COMPUTER SVCE & DRAFTING	Cole Information Services
	BARBANEL SIDNEY W, CONSLTG ENGNR	Cole Information Services
	BARBANEL, GERALDINE, ATTY	Cole Information Services
	DENA'S COFFEE SHOP	Cole Information Services
	CHAMBER OF COMMERCE BORO OF QUEENS	Cole Information Services
	SABARA INC, COMPUTER SVCE & DRAFTING	Cole Information Services
	BARBANEL, GERALDINE, ATTY	Cole Information Services
	BARBANEL SIDNEY W, CONSLTG ENGNR	Cole Information Services

BRIDGE PLZ S

2810 BRIDGE PLZ S

Year	Uses	Source
1983	Kinney Parking	New York Telephone

2902 BRIDGE PLZ S

Year	Uses	Source
1934	Marody Jos mgr Sobol Bros br	R. L. Polk & Co.

BRIDGE PLZ SOUTH

2810 BRIDGE PLZ SOUTH

Year	Uses	Source
1994	KINNEY PARKING	Cole Information Services
	KINNEY SYSTEMS	Cole Information Services
	KINNEY PARKING	Cole Information Services
	KINNEY SYSTEMS	Cole Information Services

FINDINGS

2818 BRIDGE PLZ SOUTH

Year	Uses	Source
1994	KELLY'S FURNITURE	Cole Information Services
	KELLY'S FURNITURE MKT	Cole Information Services
	KELLY'S FURNITURE	Cole Information Services
	KELLY'S FURNITURE MKT	Cole Information Services

BRIDGE ST

2909 BRIDGE ST

Year	Uses	Source
1962	Brooks Assocs rl est	New York Telephone Directory
	Brooks Associates	New York Telephone Directory

CREACENT

4110 CREACENT

Year	Uses	Source
1934	Stamatidis Nicholas taxi driver	R. L. Polk & Co.

CRESCENT

4102 CRESCENT

Year	Uses	Source
1939	Allman Geo	New York Telephone Company

CRESCENT ST

4107 CRESCENT ST

Year	Uses	Source
2017	FU CHEN	Cole Information Services
	AYODEGI OLATUNJI	Cole Information Services
	MASASHI ITO	Cole Information Services
	THOMAS BURKHARDT	Cole Information Services
	RANGER PROPERTIES	Cole Information Services
	BAKER HOUSE MARKET INC	Cole Information Services
	BRITTANY LEARN	Cole Information Services
	KEVIN RAMSAWACK	Cole Information Services
	RICARDO VALLES	Cole Information Services
	VANESSA WILKERSON	Cole Information Services
	JOHAN SJOBERG	Cole Information Services

FINDINGS

Year	Uses	Source
2017	ANGELICA GARCIA	Cole Information Services
	ALBERT LEE	Cole Information Services
	MELODYE BURKETT	Cole Information Services
	JUNE PARK	Cole Information Services
	DAVID PETERSON	Cole Information Services
2014	COMMUNICATION WORKERS OF AMERICA WEL	Cole Information Services
2009	BAKERY CONFECTIONERY TOBACCO	Cole Information Services
	41 07 HOLDING CORP	Cole Information Services
	BCT WELFARE FUND	Cole Information Services
	COMMCTN WORKERS AMERICA WELFAR	Cole Information Services
	BAKERY CONFECTIONERY TOBACCO & GRAIN	Cole Information Services
	BAKERY CONFET WORKERS	Cole Information Services
	BAKERY & CONFECTION WORKERS LOCAL 3	Cole Information Services
	CAKE BAKERS UNION WELFARE FUND	Cole Information Services
2005	Communications Workers America	Hill-Donnelly Information Services
	Bakery & Confectionary Wrkrs	Hill-Donnelly Information Services
	Cake Bakers Union Welfare Fund	Hill-Donnelly Information Services
2004	COMMUNICATION WRKR OF AMRCWLFR	Cole Information Services
	BAKERY CNF & TB WKRS INTL U	Cole Information Services
	BCT WELFARE LOCAL INC	Cole Information Services
2000	Bkry & Cnfctry Un	Cole Information Services
	Cake Bakers Union	Cole Information Services
	Cake Bkrs Un Wifr	Cole Information Services
	Commctn Wrkrs Amr	Cole Information Services
1999	COMMUNICATION WORKERS OF AMERICA WELFARE FUND LOCAL 1181 AF	Cole Information Services
	CAKE BAKERS UNION WELFARE F	Cole Information Services
	CAKE BAKERS UNION	Cole Information Services
1994	BAKERY & CONFCTRY WORKRS INTERNATL UNION OF AMER LOCAL 3	Cole Information Services
	COMMUNICATION WORKERS OF AMERICA WELFARE FUND LOCAL 1181-AFL	Cole Information Services
	CAKE BAKERS UNION	Cole Information Services
	CAKE BAKERS UNION WELFARE FUND	Cole Information Services
1991	Lorber Harry	NYNEX Information Resource Company

Year	Uses	Source
1983	Lorber Harry b	New York Telephone
	Cake Bakers Union Welfare Fund	New York Telephone
	Cake Bakers Union	New York Telephone
1976	Lorber Harry b	New York Telephone
	Cake Bakers Union Welfare Fund	New York Telephone
	Cake Bakers Union	New York Telephone

4110 CRESCENT ST

Year	Uses	Source
2017	TO NY PARKING	Cole Information Services
2014	TO NEWYORK PARKING	Cole Information Services
2009	TPEC PARKING CORP	Cole Information Services
2005	To Ny Parking I s	Hill-Donnelly Information Services
2004	TPC PARKING CORP	Cole Information Services
2000	To New York Parkinji	Cole Information Services
1999	TO NY PARKING	Cole Information Services
1994	U S A AUTO AUCTION OF NY INC	Cole Information Services
1991	U S A Auto Auction Inc	NYNEX Information Resource Company
	IRMA MOTORS INC	NYNEX Information Resource Company
1983	FERNANDOS BODY & FENDER REPR	New York Telephone
1976	Jeff Parking Inc	New York Telephone
1970	Crescent Forty First Parking Corp	New York Telephone
1967	Crescent Forty First Parking Corp	New York Telephone
1962	Willrich Svce Sta	New York Telephone Directory

4111 CRESCENT ST

Year	Uses	Source
1970	Cogan Lionel	New York Telephone
	Perno Jack R	New York Telephone
	Uranga Felipe b	New York Telephone
1967	Uranga Felipe b	New York Telephone
1962	Perno Jack R	New York Telephone Directory
1934	Ardito Victor slsmn	R. L. Polk & Co.
	Ardito Jos jr gro	R. L. Polk & Co.
	Ardito Jos Laura gro	R. L. Polk & Co.

4112 CRESCENT ST

Year	Uses	Source
2014	FOKION PANAGLOTOPOULOS	Cole Information Services

FINDINGS

Year	Uses	Source
2009	FOKION PANAGLOTOPOULOS	Cole Information Services
1939	Roulston Thos Inc Branch Stores Astria	New York Telephone Company

4117 CRESCENT ST

Year	Uses	Source
2017	CINDY LEE	Cole Information Services
	ANDREW MACHLES	Cole Information Services
	MIKHAIL NIKULIN	Cole Information Services
	LOLITA SKVORTSOVA	Cole Information Services
	YANIK ARCHER	Cole Information Services
	JESSICA CHAN	Cole Information Services
	LEO DAVIS	Cole Information Services
	PRASID PATHAK	Cole Information Services
	CRESCENT 4117	Cole Information Services
	ORO RESTAURANT & LOUNGE	Cole Information Services
	CRESCENT CLUB	Cole Information Services
	PARKING MGMT LIEC	Cole Information Services
	JELENA RAGUZ	Cole Information Services
	YI WANG	Cole Information Services
	ABU CARRI	Cole Information Services
	EMIL DIAZ	Cole Information Services
	DANIEL DOLGIN	Cole Information Services
	YING FU	Cole Information Services
	TIMOTHY GALANG	Cole Information Services
	SARA GARSON	Cole Information Services
	DOUGLAS JACOBS-MOORE	Cole Information Services
	KIMBERLINA KAVERN	Cole Information Services
	VICTORIA KIM	Cole Information Services
	OREN LAZANSKI	Cole Information Services
	ALEXANDRA LEAL	Cole Information Services
	SHANE MITCHUM	Cole Information Services
	LOLITA PERADZE	Cole Information Services
	CHRISTOPHER RUSSO	Cole Information Services
	JASON STERN	Cole Information Services
	REBECCA CORBELLINI	Cole Information Services
	ROBERT CRANSTON	Cole Information Services
	DAN HOIZNER	Cole Information Services
	ERIC LEE	Cole Information Services
	JAMES LEE	Cole Information Services

FINDINGS

Year	*Uses*	*Source*
2017	SALMAN SIDDIQUI	Cole Information Services
	JACQUELINE VARELA	Cole Information Services
	JOANNIE CHAN	Cole Information Services
	DEMETRIOS KADENAS	Cole Information Services
	INGRID KELLEY	Cole Information Services
	ADAM KRINSKY	Cole Information Services
	JOSH MANDELL	Cole Information Services
	MIE NOSO	Cole Information Services
	SCOTT PARTRIDGE	Cole Information Services
	JONATHAN ROCKFELD	Cole Information Services
	SEAN CANNELLA	Cole Information Services
	TANIA CHIRCO	Cole Information Services
	MICHAEL GORDON	Cole Information Services
	ALFIYA HAINUTDZINAVA	Cole Information Services
	STEVEN PAITCHEL	Cole Information Services
	RICHARD PANDO	Cole Information Services
	MARCELA ROZO	Cole Information Services
	SARAH GLASSMAN	Cole Information Services
	DANIEL HUGHES	Cole Information Services
	MICHAEL TASHJIAN	Cole Information Services
	MATTHEW BLEISTERN	Cole Information Services
	JEFF BOHN	Cole Information Services
	AMELIA BONNETT	Cole Information Services
	DAVID HAKIMIAN	Cole Information Services
	JENNIFER HERARD	Cole Information Services
	BROOKE KAMENOFF	Cole Information Services
	MANEESH NISARGAND	Cole Information Services
	JORGE SANCHEZ	Cole Information Services
	BETH SCHISSLER	Cole Information Services
	MARIO SIGNORI	Cole Information Services
	DANIELLE STUHL	Cole Information Services
	MARKUS BENZ	Cole Information Services
	JESSE CAMPANARO	Cole Information Services
	EKATERINA CHERNIKHOVA	Cole Information Services
	JEFFRE EISENBERG	Cole Information Services
	LESLIE HARRIMAN	Cole Information Services
	YASUPAKA KAMBE	Cole Information Services
	SHOTA KATO	Cole Information Services

FINDINGS

Year	Uses	Source
2014	BETH SCHISSLER	Cole Information Services
	STEPHEN WYKER	Cole Information Services
	DEBORAH BEARDEN	Cole Information Services
	ANDREA CHESLEIGH	Cole Information Services
	ALFREDO DAVILA	Cole Information Services
	AMIR JALALI	Cole Information Services
	WILLIAM MCCAFFREY	Cole Information Services
	AMY SCHLESS	Cole Information Services
	WILLIAM BROWN	Cole Information Services
	KATHRYN MUSSLEWHITE	Cole Information Services
	DANIEL DOLGIN	Cole Information Services
	VICTORIA KIM	Cole Information Services
	YAN SIU	Cole Information Services
	VIKRANT NISHANDAR	Cole Information Services
	CLAIRE BOURNE	Cole Information Services
	JAMIE CLARK	Cole Information Services
	SHEENA JAISINGH	Cole Information Services
	SOHEE KOO	Cole Information Services
	MICHELLE MOUKIOS	Cole Information Services
	SATYAJIT SESHADRI	Cole Information Services
	JOANNIE CHAN	Cole Information Services
	ANDREA DERRICKS	Cole Information Services
	INGRID KELLEY	Cole Information Services
	CHRISTINE MCKENNA	Cole Information Services
	MARK TOMLINSON	Cole Information Services
	JACQUELINE VARELA	Cole Information Services
	SEAN CANNELLA	Cole Information Services
	MELISSA FIGUEROA	Cole Information Services
	DAVID HOHMANN	Cole Information Services
	MADELEINE KANE	Cole Information Services
	SHINGO KAWAMOTO	Cole Information Services
	RICHARD PANDO	Cole Information Services
	VASUKI PASUMARTY	Cole Information Services
	JOHN YACOS	Cole Information Services
	ANDREA AZURIN	Cole Information Services
	KRISTEN HANEY	Cole Information Services
	ALYSSA LE	Cole Information Services
	AUSTIN LEACH	Cole Information Services

FINDINGS

Year	Uses	Source
2014	MARK LYONS	Cole Information Services
	CHAD RYAN	Cole Information Services
	ALEXA SANTORO	Cole Information Services
	LISA STEPHENSON	Cole Information Services
	JUNGSOOK YOON	Cole Information Services
	DANIEL VINCENT	Cole Information Services
	VICTORIA WONG	Cole Information Services
	MICHELLE CHAMI	Cole Information Services
	DANIEL IZZO	Cole Information Services
	MICHAEL KAUFMAN	Cole Information Services
	JESSE CAMPANARO	Cole Information Services
	EKATERINA CHERNIKHOVA	Cole Information Services
	SCOTT FELDMAN	Cole Information Services
	CISSY HU	Cole Information Services
	JORGE SANCHEZ	Cole Information Services
	ONPOINT WORLDWIDE INCORPORATED	Cole Information Services
	0001 V	Cole Information Services
	CRESCENT 4117	Cole Information Services
	PARKING MGMT LLC	Cole Information Services
	CRESCENT CLUB	Cole Information Services
2009	ALPHA MARMARO & TERRAZZO INC	Cole Information Services
	DIAMATARIS PROPERTIES	Cole Information Services
2005	National Herald Inc	Hill-Donnelly Information Services
	Greek National Herald Daily	Hill-Donnelly Information Services
	Euro Custom Cabinets Corp	Hill-Donnelly Information Services
	h Ethnekos Kerix l 718 784 5255 oo	Hill-Donnelly Information Services
	Akis Printing Inc	Hill-Donnelly Information Services
	A Terrazzo & Marble	Hill-Donnelly Information Services
2004	ADVANCETECK INC	Cole Information Services
	AKIS PRINTING INC	Cole Information Services
	NATIONAL HERALD INC	Cole Information Services
	WOOD STRUCTURE LTD	Cole Information Services
2000	Wood Structure Ltd	Cole Information Services
	Natl Hrld Grk Diy	Cole Information Services
	Metro Cabinetry	Cole Information Services
	Greek Natl Herald	Cole Information Services
	Ethnekos Kerik	Cole Information Services
	Greek Diy Ntl Hrld	Cole Information Services

FINDINGS

Year	Uses	Source
2000	A Terrazzo Marble	Cole Information Services
	Cabinet Shapes Inc	Cole Information Services
1999	GREEK DAILY NATIONAL HERALD	Cole Information Services
	ETHNEKOS KERIX	Cole Information Services
	A TERRAZZO & MARBLE	Cole Information Services
	WOOD STRUCTURE LIMITED	Cole Information Services
	CABINET SHAPES INCORPORATED	Cole Information Services
	NATIONAL HERALD GREEK DAILY NEWSPAPER	Cole Information Services
1994	NATL HERALD GREEK DAILY NEWSPAPER	Cole Information Services
	GREEK NATIONAL HERALD DAILY NEWSPAPER INC	Cole Information Services
	ETHNEKOS, KERIX	Cole Information Services
	GREEK DAILY NATL HERALD	Cole Information Services
1991	Ethnekos Kerix	NYNEX Information Resource Company
	Greek Daily Natl Herald	NYNEX Information Resource Company
	Greek National Herald Daily Newspaper Inc	NYNEX Information Resource Company
	Greek National Herald Daily Newspaper Inc	NYNEX Information Resource Company
1976	Afgo Engnrng Corp	New York Telephone
1970	Carlin P J Const Co The ofc	New York Telephone
	Atlas Tile & Marble Wks Inc	New York Telephone
	Atlas Const Div of Atlas Tile & Marble Wks Inc	New York Telephone
1967	Leiber & Nobbe Inc	New York Telephone
	Carlin P J Const Co The ofc	New York Telephone
	Atlas Tile & Marbl Works Inc	New York Telephone
1962	Leiber & Nobbe Inc	New York Telephone Directory
	Carlin P J Const Co The ofc	New York Telephone Directory
	Atlas Tile & Marbl Works Inc	New York Telephone Directory
	Atlas Constr Div of Atlas Tile & Marbl Works Inc	New York Telephone Directory
1934	Brulatour J E Inc NY Jules E Brulatour pres treas Wm J German v pres Miss M B Reilly sec distributors forr Eastman Kodak Co	R. L. Polk & Co.

4118 CRESCENT ST

Year	Uses	Source
2017	M & E HAIR SALON INC	Cole Information Services
	CLARK OWYANG	Cole Information Services

FINDINGS

Year	Uses	Source
2017	JJ FLORAL ARRANGEMENTS STUDIO INC	Cole Information Services
	AISHA NANSIKOMBI	Cole Information Services
	KYLE RADZYMINSKI	Cole Information Services
	ASHISH SHARMA	Cole Information Services
	TAKAO IINUMA	Cole Information Services
	ARIEL KAPLAN	Cole Information Services
	HYUN LEE	Cole Information Services
	JESSICA ARMBRUSTER	Cole Information Services
	DANIEL MENESTS	Cole Information Services
	KEVIN MILLER	Cole Information Services
	JEAN MOURRA	Cole Information Services
	AARON OBRIEN	Cole Information Services
	MICHELE PETRUZZIELLO	Cole Information Services
	MATTHEW ROSENBERG	Cole Information Services
	RUDMILA SALEK	Cole Information Services
	IRENE TRINH	Cole Information Services
	ENOCH KARIUKI	Cole Information Services
	DANIEL PANDO	Cole Information Services
	WENDI WANG	Cole Information Services
	BOYANG YU	Cole Information Services
	PETER JOHNSON	Cole Information Services
	EVINN QUINN	Cole Information Services
	LISA YOO	Cole Information Services
	MINYOUNG PARK	Cole Information Services
	IKHTIAR ALLEN	Cole Information Services
	STEFANO BALLABENI	Cole Information Services
	TONG HUANG	Cole Information Services
	EDWARD LIU	Cole Information Services
	CHRISTIAN LOWERY	Cole Information Services
	MONICA MARDER	Cole Information Services
	MARJORIE SOLER	Cole Information Services
	CHRISTOPHER VENTRESCA	Cole Information Services
	JINGJIN WANG	Cole Information Services
	TAMAMO YURA	Cole Information Services
	ANDREW BERGER	Cole Information Services
	YU BOYANG	Cole Information Services
	JOY GROSS	Cole Information Services
	CIAMPA CRESCENT LLC	Cole Information Services

FINDINGS

Year	Uses	Source
2014	JJ FLORAL DESIGN STUDIO CORPORATION	Cole Information Services
	CIAMPA CRESCENT LLC	Cole Information Services
	M & E HAIR SALON INC	Cole Information Services
	FARHAD FARAHI	Cole Information Services
	CHRISTINA HALATSIS	Cole Information Services
	ANATTALEE LU	Cole Information Services
	KYLE RADZYMINSKI	Cole Information Services
	GREGORY ANDERSON	Cole Information Services
	SAMUEL INGDER	Cole Information Services
	JESSICA JARA	Cole Information Services
	EUNSOOK LEE	Cole Information Services
	KELSEY LUONGO	Cole Information Services
	DAVE MACKAY	Cole Information Services
	LAURA MONTOYA	Cole Information Services
	SEBASTIAN RESTREPO	Cole Information Services
	NICHOLAS SZYMANSKI	Cole Information Services
	DEBORAH YEOM	Cole Information Services
	EYAL MIDYAN	Cole Information Services
	KEVIN MILLER	Cole Information Services
	ANDREW REA	Cole Information Services
	STEPHANIE ROMERO	Cole Information Services
	JESSICA SANTIAGO	Cole Information Services
	LINA DEFORCA	Cole Information Services
	T HUANG	Cole Information Services
	ENOCH KARIUKI	Cole Information Services
	AMRO MOHAMED	Cole Information Services
	CHRISTOPHER QUAYE	Cole Information Services
	KIMBERLY TEBBS	Cole Information Services
	PUSHPINDER VERMA	Cole Information Services
	LORI BENAVIDES	Cole Information Services
	ABHISHEK JOHI	Cole Information Services
	PETER JOHNSON	Cole Information Services
	DANIELLE JONES	Cole Information Services
	JOSEPH PAUL	Cole Information Services
	TAMARA BRISIBE	Cole Information Services
	ALAN CLARY	Cole Information Services
	ABIGAIL STEWART	Cole Information Services
	IKHTIAR ALLEN	Cole Information Services

Year	Uses	Source
2014	JENNIE HAUSCHILD	Cole Information Services
	YUE JIANG	Cole Information Services
	CHRISTOPHER VENTRESCA	Cole Information Services
	TAMAMO YURA	Cole Information Services
	CAMERON FLEMING	Cole Information Services
	BARBARA KONSTANTINID	Cole Information Services
	ALEXANDRA LUBART	Cole Information Services
	ANESA RAMBARRAN	Cole Information Services
	MICHAEL STJERMAIN	Cole Information Services
	ALLISON VECCHIO	Cole Information Services
	ERIC TRAN	Cole Information Services

4120 CRESCENT ST

Year	Uses	Source
2017	ASSAR INC	Cole Information Services
2009	BENSON REGINA LCSW	Cole Information Services
2004	BAKERY SALESMEN CREDIT UNION	Cole Information Services
	BAKERY DRIVERS LOCAL	Cole Information Services
	LOCAL	Cole Information Services
1999	SILVERMAN AGENCY	Cole Information Services
	BLOCH & SILVERMAN INCORPORATED INS	Cole Information Services
	BAKERY SALESMEN CREDIT UNION	Cole Information Services
1994	BAKERY & PASTRY DRIVERS & HELPERS LOCAL UNION 802	Cole Information Services
	CRESCENT MANAGEMENT	Cole Information Services
	BLOCH & SILVERMAN INC, INS	Cole Information Services
	BAKERY DRIVERS LOCAL 802 WELFARE & PENSION FUND	Cole Information Services
	SILVERMAN AGENCY	Cole Information Services
	BAKERY SALESMEN CREDIT UNION	Cole Information Services
1939	Roulston Thos Inc Branch Stores Astria	New York Telephone Company

4126 CRESCENT ST

Year	Uses	Source
2017	KELLSYE CARNILL	Cole Information Services
	ROSANGELES PALENCIA	Cole Information Services
	YULMA OSORIO	Cole Information Services
	ARMANDO JUAREZ	Cole Information Services
	CARLOS JEREZ	Cole Information Services

FINDINGS

Year	Uses	Source
2017	JULIO RAMOS	Cole Information Services
	PILAR TEPALE	Cole Information Services
	LUCIO OSORIO	Cole Information Services
	EFTINIA TZILIANOS	Cole Information Services
	ROBERT MUCHA	Cole Information Services
	YOLANDA VAQUERO	Cole Information Services
2014	GLORIA TEPALE	Cole Information Services
	EFTINIA TZILIANOS	Cole Information Services
	GUY BENES	Cole Information Services
	RIGOBERTO CEREVO	Cole Information Services
	LUCIO OSORIO	Cole Information Services
	YOLANDA VAQUERO	Cole Information Services
	JULIO RAMOS	Cole Information Services
	NAIN SOLIS	Cole Information Services
	HEIDI CARLSEN	Cole Information Services
	ARMANDO JUAREZ	Cole Information Services
	ROBERT MUCHA	Cole Information Services
	PILAR TEPALE	Cole Information Services
2009	GLORIA TEPALE	Cole Information Services
	ARMANDO JUAREZ	Cole Information Services
	R ROBLES	Cole Information Services
	NAIN SOLIS	Cole Information Services
	JULIO RAMOS	Cole Information Services
	RENE SOSA	Cole Information Services
	PILAR TEPALE	Cole Information Services
	GUY BENES	Cole Information Services
	RIGOBERTO CEREVO	Cole Information Services
	LUCIO OSORIO	Cole Information Services
	EFTINIA TZILIANOS	Cole Information Services
	KARLA DRAUDE	Cole Information Services
	WILMER SEGARRA	Cole Information Services
	ONCU ARSLAN	Cole Information Services
2004	JOAQUIN BARRAGAN	Cole Information Services
	ONCU ARSLAN	Cole Information Services
	ATHANASI THEODOROPOULOS	Cole Information Services
	MARGARITA GARCIA	Cole Information Services
	NAIN SOLIS	Cole Information Services
	EULALIO LEAL	Cole Information Services

FINDINGS

Year	Uses	Source
2004	JULIO RAMOS	Cole Information Services
	RENE SOSA	Cole Information Services
	BERTHA CLAVIJO	Cole Information Services
	RIGOBERTO CEREVO	Cole Information Services
	KARLA DRAUDE	Cole Information Services
	WILMER SEGARRA	Cole Information Services
	ARMANDO JUAREZ	Cole Information Services
1994	SOSA, RENE	Cole Information Services
	T T T CONTRACTORS	Cole Information Services
	CAMARGO, MARISA	Cole Information Services
	GOLAK, RENATO RUDIGER CAMARGO	Cole Information Services
	CEREVO, RIGOBERTO	Cole Information Services
	RIVERA, OSCAR	Cole Information Services
	DRAUDE, K	Cole Information Services
1991	L S Fashion Corp	NYNEX Information Resource Company
1983	Ogando M Cruz	New York Telephone

4132 CRESCENT ST

Year	Uses	Source
1934	Boligan Arth J Wilhelmina eng	R. L. Polk & Co.

IUE AF OF L CIO 4027 29TH ST

471 IUE AF OF L CIO 4027 29TH ST

Year	Uses	Source
1962	Engineering Tech & Clerical Federatn Local	New York Telephone Directory

IUE AFL CIO 2928 41ST AVE

425 IUE AFL CIO 2928 41ST AVE

Year	Uses	Source
1962	Local	New York Telephone Directory

N 28TH ST

4030 N 28TH ST

Year	Uses	Source
1934	Lorenzo Dominick firemn	R. L. Polk & Co.

N BRIDGE PLZ

2909 N BRIDGE PLZ

Year	*Uses*	*Source*
1991	Benzoni Andrew	NYNEX Information Resource Company
	Faith Business Brokers Inc	NYNEX Information Resource Company
	Maldonado David atty	NYNEX Information Resource Company
	PAYNE GEO & SON INC ins All Forms Of Insurance Coverage	NYNEX Information Resource Company
	Piazza Stephen A CPA	NYNEX Information Resource Company
	TIP Computer Consultants Inc	NYNEX Information Resource Company
	V J K Business Brokers	NYNEX Information Resource Company
1983	Piazza Stephen A CPA	New York Telephone
	Regal Tours Ltd	New York Telephone
	Tucker & Piazza CPAs	New York Telephone
	Windjammer Cruises	New York Telephone
	APS Constr Corp	New York Telephone
	A & P Store Fronts Inc	New York Telephone
	Long Island City	New York Telephone
	D & D CONSTR CO	New York Telephone
	DENINO ELEC CONST CORP	New York Telephone
	Lux Agnes E rl est & ins	New York Telephone
1976	A & P Store Fronts Inc	New York Telephone
	Bershad Robt lwyr	New York Telephone
	Brooks Associates	New York Telephone
	D & D CONSTR CO	New York Telephone
	Don Chemical Co Inc	New York Telephone
	Keck C Grant rl est	New York Telephone
	KECK C GRANT ORGANZTN rl est	New York Telephone
	Lux Agnes E rl est & ins	New York Telephone
1970	Angelo J Marmarellis Agncy	New York Telephone
	Bershad Robt lwyr	New York Telephone
	Brooks Associates	New York Telephone
	D&D CONST CO	New York Telephone
	DENINO ELEC CONST CORP	New York Telephone
	Gem Agncy ins	New York Telephone
	Tucker Murray CPA	New York Telephone
	Tucker & Piazza CPAS	New York Telephone
	Joseph M Cea Agency	New York Telephone
	Keck C Grant rl est	New York Telephone

FINDINGS

Year	Uses	Source
1970	KECK C GRANT ORGANZTN rl est	New York Telephone
	Lux Agnes E rl est & ins	New York Telephone
	Marmarellis A J Agncy	New York Telephone
	Payne Geo E & Son Ins	New York Telephone
	Piazza Stephen A CPA	New York Telephone
1967	Anchor Engnrng Co mach desgnrs	New York Telephone
	Bershad Robt lwyr	New York Telephone
	Brooks Associates	New York Telephone
	D & D CONST CO	New York Telephone
	Dawn Ins Svce	New York Telephone
	DENINO ELEC CONST CORP	New York Telephone
	Gem Agncy ins	New York Telephone
	Keck C Grant rl est	New York Telephone
	KECK C GRANT ORGANZTN rl est	New York Telephone
	Keck Chas	New York Telephone
	Lux Agnes E rl est & ins	New York Telephone
	Marmarellis A J Agncy	New York Telephone
	Payne Geo E & Son ins	New York Telephone
	Piazza Stephen A CPA	New York Telephone
	Tucker Murray CPA	New York Telephone
	Tucker & Piazza CPAs	New York Telephone
1962	Anchor Engnrng Co mach desgnrs	New York Telephone Directory
	Bershad Robt lwyr	New York Telephone Directory
	D & B CONST CO	New York Telephone Directory
	DENINO ELEC CO INC	New York Telephone Directory
	Lux Agnes E rl est & Ins	New York Telephone Directory
	Sentinel Investga Ln Svce Inc	New York Telephone Directory
	Unity Elec Contrctg Co	New York Telephone Directory
1945	Bishop Jas M ins	New York Telephone
	Denino Elec Co	New York Telephone
	Hawkins Harold A rl est	New York Telephone
	Payne Geo E & Son ins	New York Telephone
	Roulett J P rl est	New York Telephone
	Welden John b	New York Telephone
1934	February Holding Corp NY Nathan Weiss pres real est	R. L. Polk & Co.
	Harbach Frank G Marjorie C real est	R. L. Polk & Co.
	Harbach Frank T Magdelene real est	R. L. Polk & Co.

Year	Uses	Source
1934	Nedwel Bldg Corp NY John Welden pres real est	R. L. Polk & Co.
	Purchasing Agents Assn of NY Jas H Leonard sec	R. L. Polk & Co.

2914 N BRIDGE PLZ

Year	Uses	Source
1991	Demetriou And Demetriou attys	NYNEX Information Resource Company

2915 N BRIDGE PLZ

Year	Uses	Source
1934	Long Island City SAvings Bank Benj Moore pres Jarvis S Hicks v pres Arth Woodbury sec	R. L. Polk & Co.
	Morrison DAvid G Clare P v pres LI City SAvings Bank	R. L. Polk & Co.
	Morrison John asst sec LI City SAvings Bank	R. L. Polk & Co.
	Peters Richd H asst sec LI City SAv Bank	R. L. Polk & Co.
	Vandewater Alf H asst sec L I City SAvings Bank	R. L. Polk & Co.
	Hicks Jarvis S c pres compt LI City s Avings Bank	R. L. Polk & Co.
	Woodbury Arth sec Long Island City SAvings Bank	R. L. Polk & Co.

2917 N BRIDGE PLZ

Year	Uses	Source
1970	LEVINE HENRY rl est	New York Telephone
	LEVIEN HENRY INC rl est	New York Telephone
1967	LEVINE HENRY rl est	New York Telephone
	LEVIEN HENRY INC rl est	New York Telephone
	Levien Henry rl est	New York Telephone
1945	Miller Wm Henry MD ofc	New York Telephone
1934	Roman Louis lawyer	R. L. Polk & Co.
	Hetherington John K lawyer	R. L. Polk & Co.
	Rathgeber & Noves Emile E Rathgaber Eug J Noves lawyer	R. L. Polk & Co.

N QUEENS PLZ

2701 N QUEENS PLZ

Year	Uses	Source
1991	Ideal Shoulder Pad Co Inc	NYNEX Information Resource Company

Year	Uses	Source
1983	Karpel Curtain Corp	New York Telephone
	Matti Of Lynne Inc	New York Telephone

2704 N QUEENS PLZ

Year	Uses	Source
1991	Shoe & Sneaker Shop	NYNEX Information Resource Company

2909 N QUEENS PLZ

Year	Uses	Source
1991	Glomar Asbestos Testing Labs	NYNEX Information Resource Company
	Glomar Asbestos Testing Lab	NYNEX Information Resource Company
	Proprietary Systems hnc	NYNEX Information Resource Company
	Schwartz Abraham atty	NYNEX Information Resource Company
1983	All City Systems Inc	New York Telephone
	Proprietary Systems Inc	New York Telephone
	Schwartz Abraham atty	New York Telephone

2911 N QUEENS PLZ

Year	Uses	Source
1991	Long Island City	NYNEX Information Resource Company

2915 N QUEENS PLZ

Year	Uses	Source
1991	Barbanel Geraldine atty	NYNEX Information Resource Company
	Barbanel Sidney W consltg engnr	NYNEX Information Resource Company
	CHRIS COFFEE BREAK	NYNEX Information Resource Company
	Sabara Inc computer svce & drafting	NYNEX Information Resource Company
1983	Sabara inc computer svce & drafting	New York Telephone

NORTHERN BLVD

2928 NORTHERN BLVD

Year	Uses	Source
1994	DAE YOUNG INTERNATIONAL CORP	Cole Information Services

2932 NORTHERN BLVD

Year	Uses	Source
2017	MANUEL ALCANTARA	Cole Information Services
2014	MANUEL ALCANTARA	Cole Information Services
2009	A1 PRESS & SCREEN PRINTING CORP	Cole Information Services
	MANUEL ALCANTARA	Cole Information Services

FINDINGS

Year	Uses	Source
1994	CANDY BAR	Cole Information Services

2934 NORTHERN BLVD

Year	Uses	Source
1994	YIORGOS RESTRNT SUPL INC	Cole Information Services
	A G B YIORGOS RESTRNT SUPL INC	Cole Information Services
1976	Charlie Jay Rest Corp	New York Telephone
1970	Charlie Jay Rest Corp	New York Telephone
1967	Charlie Jay Rest Corp	New York Telephone
1962	Murphys Rest Inc	New York Telephone Directory

2936 NORTHERN BLVD

Year	Uses	Source
1983	Advance Typewriter Co	New York Telephone
1976	ADVANCE ELEC TYPWRTR	New York Telephone
	Advance Typewriter Co Inc	New York Telephone
1970	Advance Elec Typwrtr Sales Co Inc	New York Telephone
	Persampire Jos typwrtrs	New York Telephone
1967	Persampire Jos typwrtrs	New York Telephone
	Jaxon Lunchnet	New York Telephone
	Advance Typwrtr Co Inc	New York Telephone
	Advance Elec Typwrtr Sales Co Inc	New York Telephone
1962	Persampire Jos typwrtrs	New York Telephone Directory
	Advance Typwrtr Co Inc	New York Telephone Directory
	Advance Electric Typwrtr Sales Co Inc	New York Telephone Directory
	Advance Elec Typwrtr Sales Co Inc	New York Telephone Directory
1945	Persampire Jos typwrtrs	New York Telephone
	Advance Typwrtr Co Inc	New York Telephone
1939	Advance Typwrtr Co Inc	New York Telephone Company
	Persampire Jos typwrtrs	New York Telephone Company

2938 NORTHERN BLVD

Year	Uses	Source
1991	Yiorgos Restrnt Supl Inc	NYNEX Information Resource Company
	Twin Constr Inc	NYNEX Information Resource Company
1983	GALAXY RESTRNT	New York Telephone
1976	Galaxy Restrht	New York Telephone
1962	Jaxon Luncheonette	New York Telephone Directory
1945	Grammas D statnry	New York Telephone

Year	Uses	Source
1939	Palmer Home Elec Inc elec applncs	New York Telephone Company
	Palmers Home Elec Inc elec applncs	New York Telephone Company

2940 NORTHERN BLVD

Year	Uses	Source
2005	Dumbarton II 1 R	Hill-Donnelly Information Services
1983	A 1 Printing Co Inc	New York Telephone
	A 1 Instant Copy Center	New York Telephone
1962	PLAZA STATURY & PRNTG CO INC	New York Telephone Directory
1945	Plaza Statnry & Prntg Co Inc	New York Telephone
1939	Plaza Statnry & Prntg Co Inc	New York Telephone Company

2942 NORTHERN BLVD

Year	Uses	Source
2005	Plaza Stationery & Print Inc	Hill-Donnelly Information Services
	Levinson & Santoro Elec Corp	Hill-Donnelly Information Services
2000	Plaza Print Inc	Cole Information Services
	Plaza Printg Inc	Cole Information Services
	Laquila Santop	Cole Information Services
1994	PLAZA STATIONERY & PRINTING INC	Cole Information Services
1970	PLAZA STATIONERY & PBNING INC	New York Telephone
	Prntng Shop	New York Telephone
1967	Plaza Statnry & Prntng CO Inc	New York Telephone
	Prntng Shop	New York Telephone
1962	DAVIE VALENTINE INC furn	New York Telephone Directory

2944 NORTHERN BLVD

Year	Uses	Source
1991	Distinctive Properties Inc	NYNEX Information Resource Company
	Distinctive Properties Realty Corp	NYNEX Information Resource Company
1983	Distinctive Properties Inc	New York Telephone
	Distinctive Properties Realty Corp	New York Telephone
1976	American Electronic Security	New York Telephone
	Distinctive Properties Inc	New York Telephone
	Distinctive Properties Realty Corp	New York Telephone
	Lytle Shore Prntrs	New York Telephone
1970	Distinctive Properties Inc	New York Telephone
	Distinctive Properties Realty Corp E	New York Telephone
	Lytle Shore Prntrs	New York Telephone

FINDINGS

Year	Uses	Source
1967	Distinctive Properties Inc	New York Telephone
	Distinctive Properties Realty Corp	New York Telephone
1962	Glickman Barbanel rl est	New York Telephone Directory
1945	Baltimore Daily Lunch	New York Telephone
	Strata Instrument Co aviatn instrmts	New York Telephone
	Swenson Axel J rl est	New York Telephone
1939	Baltimore Dairy Lunch	New York Telephone Company
1934	Fitzpatrick Gerald A Independent Co	R. L. Polk & Co.

2945 NORTHERN BLVD

Year	Uses	Source
1939	Bilanx Co Inc	New York Telephone Company

2946 NORTHERN BLVD

Year	Uses	Source
2017	NYC OUTWARD BOUND	Cole Information Services
2014	NYC OUTWARD BOUND	Cole Information Services
2009	OUTWARD BOUND CENTER FOR PEACEBUILDI	Cole Information Services
	NEW YORK CITY OUTWARD BOUND	Cole Information Services
2005	New York City Outward Bound	Hill-Donnelly Information Services
	Nyc Outward Bound	Hill-Donnelly Information Services
	RMC Artistic Wooden Lathe Co	Hill-Donnelly Information Services
2004	NYC OUTWARD BOUND CTR	Cole Information Services
	QUEENS PLAZA EMPLOYMNT AGNC	Cole Information Services
	B JOLCA	Cole Information Services
2000	Artstc Wdn Lth	Cole Information Services
	Vardi Vini Realty	Cole Information Services
	Eye Srch Invstgtv	Cole Information Services
	R & C Printing Corp	Cole Information Services
1999	EYE SEARCH INVESTIGATIVE SVCE INCORPORATED	Cole Information Services
	R M C ARTISTIC WOODEN LATHE COMPANY	Cole Information Services
	SPECIAL SECURITY INCORPORATED	Cole Information Services
	CRAMO CREATIONS LAMP SHADES	Cole Information Services
	GATEWAY PROTECTIVE ALARM	Cole Information Services
	GATEWAY PROTECTIVE ALARM INCORPORATED	Cole Information Services
	VARDI VINI REALTY	Cole Information Services
	R & C PRINTING CORPORATION	Cole Information Services

FINDINGS

Year	Uses	Source
1999	QUEENS PLAZA EMPLOYMENT AGENCY INCORPORATED	Cole Information Services
1994	E M S	Cole Information Services
	MAPP USA INC NY	Cole Information Services
	ETTY'S EMPLOYMENT AGENCY	Cole Information Services
	GATEWAY PROTECTIVE ALARM	Cole Information Services
	GRAPHICS OVERLOAD INC	Cole Information Services
	VARDI VINI REALTY	Cole Information Services
	R & C PRINTING CORP	Cole Information Services
	WASHINGTON GENERAL REPAIR	Cole Information Services
	SPECIAL SECURITY INC	Cole Information Services
	EYE SEARCH INVESTIGATIVE SVCE INC	Cole Information Services
	CRAMO CREATIONS, LAMP SHADES	Cole Information Services
	GATEWAY PROTECTIVE ALARM INC	Cole Information Services
1991	Balamenti Electric Inc	NYNEX Information Resource Company
	Cramo Creations lamp shades	NYNEX Information Resource Company
	Eye Search Investigative Svce Inc	NYNEX Information Resource Company
	If No Answer	NYNEX Information Resource Company
	Gateway Protective Alarm	NYNEX Information Resource Company
	Graphics Gourmet Div Of Graphics Overland Inc	NYNEX Information Resource Company
	Graphics Overload Inc	NYNEX Information Resource Company
	MAPP USA Inc NY	NYNEX Information Resource Company
	MAPP USA Inc NY	NYNEX Information Resource Company
	PROTO TIRE SERVICE INC	NYNEX Information Resource Company
	Special Security Inc	NYNEX Information Resource Company
1983	Costas Emplymnt Agency	New York Telephone
	Cramo Creations lamp shades	New York Telephone
	Enfield Phillip Designs	New York Telephone
	Gateway Protective Alarm	New York Telephone
	GATEWAY PROTECTIVE ALARM INC	New York Telephone
	Polak Albert fd prods	New York Telephone
	S M Riter Kit Co	New York Telephone
	SHOLOM & ZUCKERBROT REALTY CORP	New York Telephone
	Siesel N lamps	New York Telephone
	Somohano Jeffrey	New York Telephone
	Special Security Inc	New York Telephone
	The Sign Center Of New York	New York Telephone

FINDINGS

Year	Uses	Source
1983	ZUCKERBROT SHOLOM & REALTY CORP	New York Telephone
	Accurate Engrvng Co	New York Telephone
	ARCHITECTURAL SIGNAGE & GRAPHIC SYSTEMS	New York Telephone
	Badalamenti Electi Contrdng Co	New York Telephone
	Broad Elm Realty Corp	New York Telephone
1976	Ariston Employ Agncy	New York Telephone
	Church Adam & Co Inc fd prods	New York Telephone
	Cramo Creations lamp shades	New York Telephone
	Glanville Arthur crpntr	New York Telephone
	Intercontinental Greetings Ltd	New York Telephone
	Jo & Jo Co	New York Telephone
1970	Brunner Mfg Co	New York Telephone
	Church Adam & Co Inc fd prods	New York Telephone
	Governors Comm on Scholastic Achievement	New York Telephone
	Intercontinental Greetings Ltd	New York Telephone
	Jo Jo Co	New York Telephone
	Meister Wm A Co	New York Telephone
	Nathan & Ross engnrs	New York Telephone
	Polak Albert fd prods	New York Telephone
	Reliance Packaging Prods Inc	New York Telephone
	Reliance Papr & Bag Corp	New York Telephone
	SHOLOM & ZUCKERBROT REALTY CORP	New York Telephone
	Special Security Inc	New York Telephone
	Special Security Inc	New York Telephone
	Techna Industrl & Engnrng Co	New York Telephone
	Weissman Jules Co ins brkrge	New York Telephone
	ZUCKERBROT SHOLOM & REALTY CORP	New York Telephone
	Adam Church & Co Inc fd prods	New York Telephone
1967	Barbanel & Levien engnrs	New York Telephone
	Barbanel Sidney W Consulting Engineer	New York Telephone
	Brunner Mfg Co	New York Telephone
	Church Adam & Co Inc fd prods	New York Telephone
	Dunham Bush Inc coolg eqp	New York Telephone
	LNM Realty Co	New York Telephone
	Levy Henry phtogphy	New York Telephone

FINDINGS

Year	Uses	Source
1967	Meister Wm A Co	New York Telephone
	Multi Svce Co	New York Telephone
	Nathan & Ross enanrs	New York Telephone
	Polak Albert fd prods	New York Telephone
	Repro Spec Corp	New York Telephone
	Techna Industrl & Engnrng Co	New York Telephone
	Weissman Jules Co Ins brkrge	New York Telephone
	Zuckerbrot Sholom & Realty Co	New York Telephone
1962	Aero Research Instrument Co Inc	New York Telephone Directory
	Amer Nacreloid Co Inc	New York Telephone Directory
	Barbanel & Levien engnrs	New York Telephone Directory
	Barbanel Sidney W Consulting Engineer	New York Telephone Directory
	Broz & Co Inc	New York Telephone Directory
	Cetylite Industries Inc pharmcutcls	New York Telephone Directory
	Chemo Cleansers inc soaps	New York Telephone Directory
	D & E Papr Sales Corp	New York Telephone Directory
	Genisco Inc accelerators	New York Telephone Directory
	Levien Robt E engnr	New York Telephone Directory
	Nathan & Ross engnrs	New York Telephone Directory
	Oxford Traeg Corp exptis & imptrs	New York Telephone Directory
	Pro Pac Corp	New York Telephone Directory
	Repro Spec Corp	New York Telephone Directory
	Test Equip Sales Co	New York Telephone Directory
	Weissman Jules Co Ins brkrge	New York Telephone Directory
	Wittenberg X Ray Corp	New York Telephone Directory
1945	Lux Agnes E rl est ins	New York Telephone
	Morehead Mfg Co stm spclts	New York Telephone
	Payntar Geo H Inc ins	New York Telephone
	Quinn C J b	New York Telephone
	Ross Co hosp supls	New York Telephone
	Bilanx Co Inc	New York Telephone
	Chemo Cleansers Inc soaps	New York Telephone
	Branch	New York Telephone
1939	Ace Dishwashing Mach Co	New York Telephone Company
	Atlantic Engineering Co stm spclts	New York Telephone Company
	Chemo Cleansers Inc soaps	New York Telephone Company
	Gosman Richd H rl est ofc	New York Telephone Company
	Heath Fred T Inc	New York Telephone Company

FINDINGS

Year	Uses	Source
1939	Leinert Engnrng Co Inc	New York Telephone Company
	Morehead Mfg Co stm spclts	New York Telephone Company
	NY City of Transportation Board of	New York Telephone Company
	Quinn C J b	New York Telephone Company
	Sight & Sound Labs	New York Telephone Company
	Signal Prods Co soaps	New York Telephone Company
1934	Emener & Heath Geo Emener & Fredk T Heath ins	R. L. Polk & Co.

2949 NORTHERN BLVD

Year	Uses	Source
1939	Queensboro Arena	New York Telephone Company
	Boulevard Sporting Club Inc	New York Telephone Company

2950 NORTHERN BLVD

Year	Uses	Source
2004	OCCUPANT UNKNOWN	Cole Information Services
2000	Slttry Assoc Nyct	Cole Information Services
1999	SLATTERY ASSOCIATES NYCTA FLAGGING COUNTERS	Cole Information Services
1994	MORIARTY T & SON INC	Cole Information Services
1983	VSC Corp Div Of GLI	New York Telephone
	Superior Reed & Rattan Furniture Co	New York Telephone
	Intergrated Sound Systems Inc	New York Telephone
	GLI Integrated Sound Systems Inc	New York Telephone
1970	Const Sales	New York Telephone
	Industrl Sales	New York Telephone
	Specialty Prods	New York Telephone
1967	Const Sales	New York Telephone
	Industrl Sales	New York Telephone
	Specialty Prods	New York Telephone
1962	Westinghouse Elec Supl Co	New York Telephone Directory

2969 NORTHERN BLVD

Year	Uses	Source
1994	KINNEY SYSTEM INC	Cole Information Services
1983	B E P Parking Inc	New York Telephone
1970	Peerless Svce Sta	New York Telephone
1967	Peerless Svce Sta	New York Telephone
1962	Peerless Service Station	New York Telephone Directory

FINDINGS

Year	Uses	Source
1945	Queensboro Arena Super Svce Sta	New York Telephone

2970 NORTHERN BLVD

Year	Uses	Source
1983	ASTORIA LUMBER STORE INC	New York Telephone
1970	Pedemonta Constr Corp	New York Telephone

2976 NORTHERN BLVD

Year	Uses	Source
2017	MZ BERGER	Cole Information Services
	TOTAL ELECTRICAL CONSTRUCTION INC	Cole Information Services
	CITY OF NEW YORK	Cole Information Services
	SOCIETY FORTUNE	Cole Information Services
	TUTOR PERINI CIVIL CORP	Cole Information Services
	29 76 REALTY CO	Cole Information Services
	B R C GLASS FACTORY	Cole Information Services
2014	CITY OF NEW YORK	Cole Information Services
	GRANITE CONSTRUCTION	Cole Information Services
	29 76 REALTY COMPANY	Cole Information Services
	M Z BERGER & CO INC FAX LINE	Cole Information Services
	FORTUNE SOCIETY	Cole Information Services
	SOCIETY FORTUNE	Cole Information Services
	TRIMAXION FINE ARTS	Cole Information Services
	B R C GLASS FACTORY	Cole Information Services
	TUTOR PERINI CIVIL CORPORATION	Cole Information Services
2009	OCASA INC	Cole Information Services
	PATRICIA ELDEFRAWY	Cole Information Services
	M Z BERGER	Cole Information Services
	CSE 30	Cole Information Services
	TRIMAXION FINE ARTS	Cole Information Services
	NEW YORK CITY BOARD EDUCATN	Cole Information Services
	CONSOLIDATED EDISON CO F NY	Cole Information Services
2005	2976 Realty Co I F	Hill-Donnelly Information Services
	Community School Boards	Hill-Donnelly Information Services
	M Z Berger & Co Inc	Hill-Donnelly Information Services
	Ocasa Inc 2 s	Hill-Donnelly Information Services
	Trafalgar Tours	Hill-Donnelly Information Services
	Trimaxion Fine Arts	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2004	ALPHA GULF COAST INC	Cole Information Services
	TRAFALGAR TOURS INC	Cole Information Services
	LUIZ FLEURY	Cole Information Services
	TRIMAXION FINE ARTS	Cole Information Services
2000	Ocase Inc	Cole Information Services
	Queens Storefront	Cole Information Services
	Queens Tech Inc	Cole Information Services
	Slattery Assoc	Cole Information Services
	Trimaxion Fn Arts	Cole Information Services
	Realty Co	Cole Information Services
	40TH RD INTS FROM	Cole Information Services
	Crtfd Movig & Stge	Cole Information Services
	Queens Irn Indstrs	Cole Information Services
	City Of	Cole Information Services
1999	CERTIFIED MOVING & STORAGE COMPANY INCORPORATED	Cole Information Services
	29 76 REALTY COMPANY	Cole Information Services
	SLATTERY ASSOCIATES	Cole Information Services
	TRIMAXION FINE ARTS	Cole Information Services
1994	CERTIFIED KNITTING MILLS INC	Cole Information Services
	NYC EDUCATION COMMUNITY SCHOOL BOARDS COMMUNITY SCHOOL DISTRICT OFFI DISTRI	Cole Information Services
	29-76 REALTY CO	Cole Information Services
	WEICKERT SHEET METAL INC	Cole Information Services
1991	Certified Knitting Mills Inc	NYNEX Information Resource Company
	Cotler H Co Inc	NYNEX Information Resource Company
	Royal Mills Inc	NYNEX Information Resource Company
	Royal News Qns Blvd & Woodhvn Blvd @Elmhurst@	NYNEX Information Resource Company
	Weickert Sheet Metal Inc	NYNEX Information Resource Company
1983	H Cotler Co Inc	New York Telephone
	Harvey Rothstein Assocs	New York Telephone
	Kenco Packaging Corp	New York Telephone
	Neibart Assocs Press Inc	New York Telephone
	Off Shoot Collections Ltd	New York Telephone
	Off Track Betting Corp	New York Telephone
	Pantabulous Inc	New York Telephone
	Walbead Inc	New York Telephone
1976	H Cotler Co Inc	New York Telephone

Year	Uses	Source
1976	LIC Realty Co	New York Telephone
1970	Natl Casket Co Inc main ofc & fcty	New York Telephone
1967	Natl Casket Co Inc main ofc & fcty	New York Telephone
1962	Natl Casket Co Inc main ofc & fcty	New York Telephone Directory

NORTHERN BLVD E

2928 NORTHERN BLVD E

Year	Uses	Source
2004	DAE YOUNG INTERNATIONAL CORP	Cole Information Services
	DAE YOUNG INTERNATIONAL CORP	Cole Information Services
1999	DAE YOUNG INTERNATIONAL CORPORATION	Cole Information Services
	DAE YOUNG INTERNATIONAL CORPORATION	Cole Information Services

2932 NORTHERN BLVD E

Year	Uses	Source
2004	SECURITY PROTECTION TECHNOLOGY	Cole Information Services
	A 1 PRESS CO	Cole Information Services
	VICTOR JOLCA	Cole Information Services
	A 1 PRESS CO	Cole Information Services
	SECURITY PROTECTION TECHNOLOGY	Cole Information Services
	VICTOR JOLCA	Cole Information Services
1999	WASHINGTON GENERAL REPAIR	Cole Information Services
	CANDY BAR	Cole Information Services
	WASHINGTON GENERAL REPAIR	Cole Information Services
	CANDY BAR	Cole Information Services

2936 NORTHERN BLVD E

Year	Uses	Source
2004	SISANA NUTRITION CTR	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
	SISANA NUTRITION CTR	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services

2940 NORTHERN BLVD E

Year	Uses	Source
2004	CANDY BAR	Cole Information Services

Year	Uses	Source
2004	OCCUPANT UNKNOWN	Cole Information Services
	CANDY BAR	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services

2942 NORTHERN BLVD E

Year	Uses	Source
2004	LEVINSON & SANTORO ELECTRIC CORP	Cole Information Services
	PLAZA STATIONERY & PRINTING INC	Cole Information Services
	LEVINSON & SANTORO ELECTRIC CORP	Cole Information Services
	PLAZA STATIONERY & PRINTING INC	Cole Information Services
1999	LAQUILA SANTOP	Cole Information Services
	KLEINBERG ELECTRIC	Cole Information Services
	LAQUILA SANTOP	Cole Information Services
	KLEINBERG ELECTRIC	Cole Information Services

2946 NORTHERN BLVD E

Year	Uses	Source
1999	LK COMSTOCK & COMPANY	Cole Information Services
	BC DISTRIBUTORS	Cole Information Services
	R & C PRINTING	Cole Information Services
	BC DISTRIBUTORS	Cole Information Services
	R & C PRINTING	Cole Information Services
	LK COMSTOCK & COMPANY	Cole Information Services

2976 NORTHERN BLVD E

Year	Uses	Source
1999	N Y CITY OF EDUCATION	Cole Information Services
	N Y CITY OF EDUCATION	Cole Information Services

NRTHRN BLVD

2936 NRTHRN BLVD

Year	Uses	Source
1983	Persampire Jos typwrtrs	New York Telephone

FINDINGS

OF L 4110 29TH ST

450 OF L 4110 29TH ST

Year	Uses	Source
1962	Bakery & Confctry Workers Internatl Union of America Local	New York Telephone Directory

QUEENS PLZ

2909 QUEENS PLZ

Year	Uses	Source
2005	Multi Unit Address	Hill-Donnelly Information Services
	Business Marketing Ctr 2s	Hill-Donnelly Information Services
	Worry Free Auto Warranty	Hill-Donnelly Information Services
	Torrico Fred	Hill-Donnelly Information Services
	Numbr 32 SNL Express	Hill-Donnelly Information Services
	Numbr 33 Martinez Law Group PC IP	Hill-Donnelly Information Services
	Lagan & Assoc LLC I F 718 932 2550 o	Hill-Donnelly Information Services
	Numbr 36 Fashion Limousine Svc Inc	Hill-Donnelly Information Services
	Numbr 27 Connection Magazine	Hill-Donnelly Information Services
2000	Piazza Stphn A CPA	Cole Information Services
	News Asia Med	Cole Information Services
	Netcom Info Inc	Cole Information Services
	Mobile	Cole Information Services
	Kenneth Corp	Cole Information Services
	Gary G Emnl Brkrge	Cole Information Services
	Emanuel Brkrge	Cole Information Services
	Emanuel B	Cole Information Services
	Benzoni Andrew	Cole Information Services
	Business Mktg Ctr	Cole Information Services
	Business Mktg Ctr	Cole Information Services
	Capital Bldg Rnvtn	Cole Information Services
	Ditmars Ins Brkrge	Cole Information Services
1991	Gary G Emanuel Brokerage Inc	NYNEX Information Resource Company
	Design Group Communication Inc	NYNEX Information Resource Company
1983	G & S Assocs	New York Telephone
	Ferdico Salvatore b	New York Telephone

FINDINGS

2911 QUEENS PLZ

Year	Uses	Source
2005	Pan Am Corporate Trnsprtn LTD	Hill-Donnelly Information Services
2000	Albert Asc	Cole Information Services
	Pan AM Corprt Ltd	Cole Information Services
	Pan AM Corprt Ltd	Cole Information Services

2913 QUEENS PLZ

Year	Uses	Source
2005	Hanec Taxi Driver Academy	Hill-Donnelly Information Services

2914 QUEENS PLZ

Year	Uses	Source
2000	Juan Pachang	Cole Information Services

2915 QUEENS PLZ

Year	Uses	Source
2005	H Barbanel Sidney W A	Hill-Donnelly Information Services
	Barbanel Sidney W Pe IP	Hill-Donnelly Information Services
	Geraldine Barbanel Law Office	Hill-Donnelly Information Services
	Lenas Coffee Shop Inc	Hill-Donnelly Information Services
2000	Barbanel Atty	Cole Information Services
	Brbnl Cnsltng	Cole Information Services
	Lenas Cof Shp Inc	Cole Information Services
	Sisana Nutri Ctr	Cole Information Services
1983	Barbanel Sidney W consltg engnr	New York Telephone
	Barbanel Sidney W Inc consltng engr	New York Telephone
	Repro Spec Corp	New York Telephone

2921 QUEENS PLZ

Year	Uses	Source
2005	IBM Metro Efcu F	Hill-Donnelly Information Services
2000	IBM Metro Efcu	Cole Information Services

2927 QUEENS PLZ

Year	Uses	Source
2005	Business Committee For Arts	Hill-Donnelly Information Services
	Alliance Business Consultants	Hill-Donnelly Information Services
	F S Miller Inc i F	Hill-Donnelly Information Services
	Ahmad & Horn LLC I P	Hill-Donnelly Information Services

QUEENS PLZ N

2701 QUEENS PLZ N

Year	Uses	Source
2017	WORLD NOW	Cole Information Services
	ONE SOURCE MGMT	Cole Information Services
	LONG ISLAND CITY BUSINESS DEVELOPMEN	Cole Information Services
2014	ONE SOURCE MANAGEMENT	Cole Information Services
	00 TOWING TWENTY FOUR HRS FLAT FIX 2	Cole Information Services
	LONG ISLAND CITY PARTNERSHIP	Cole Information Services
	PASSUR AEROSPACE INCORPORATED	Cole Information Services
	INROADS NEW YORK	Cole Information Services
2004	METLIFE GROUP INC	Cole Information Services
	METLIFE	Cole Information Services
1999	NEW YORK CITY INDUSTRIES FOR THE BLIND INCORPORATED	Cole Information Services
	T A FASHIONS INCORPORATED	Cole Information Services
	COLUMBIA PICTURES	Cole Information Services
	SAHLER MCCOMB INCORPORATED	Cole Information Services
	ARCHITECHTUAL VENERE & WOOD PRODUCTS	Cole Information Services
	CACHIE SPORTSWEAR INCORPORATED	Cole Information Services
	BRAUSE REALTY CORPORATION	Cole Information Services
	JOMAT SPORTSWEAR	Cole Information Services

2811 QUEENS PLZ N

Year	Uses	Source
2017	ABM INDUSTRIES	Cole Information Services
	CITY OF NEW YORK	Cole Information Services
	NYS DEPT OF TRNSPRTN	Cole Information Services
	OPS	Cole Information Services
2014	CITY OF NEW YORK	Cole Information Services
	TELVENT FARRADYNE	Cole Information Services
	TEMCO SERVICE INDUSTRIES	Cole Information Services
2009	NEW YORK CITY BOARD EDUCATION	Cole Information Services
	COMMUNITY SCHOOL DISTRICT 30	Cole Information Services
1999	TEMCO SERVICE INDUSTRIES	Cole Information Services
	N Y CITY OF TRANSPORTATION DEPARTMENT OF	Cole Information Services

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Year	Uses	Source
1999	N Y CITY OF EDUCATION	Cole Information Services

2901 QUEENS PLZ N

Year	Uses	Source
2014	BARBARA ONEAL	Cole Information Services

2907 QUEENS PLZ N

Year	Uses	Source
2017	TIME SQUARE CONSTRUCTION	Cole Information Services
	CHAMPION GARAGE MANAGMENT	Cole Information Services
2014	TIME SQUARE CONSTRUCTION	Cole Information Services

2909 QUEENS PLZ N

Year	Uses	Source
2014	FRED TORRICO	Cole Information Services
	NETCOM INFORMATION TECHNOLOGIES INCO	Cole Information Services
2009	FASHION LIMOUSINE	Cole Information Services
	FS MILLER INC	Cole Information Services
	MARTINEZ LAW GROUP PC	Cole Information Services
2004	NETCOM INFORMATION TECHNOLOGY INC	Cole Information Services
	WILLY AIR CONDITIONING CORP	Cole Information Services
	STEPHEN PIAZZA	Cole Information Services
1999	EMANUEL GARY G BROKERAGE INCORPORATED	Cole Information Services
	DITMARS INSURANCE BROKERAGE	Cole Information Services
	LEODORO TRANSTOURS INCORPORATED	Cole Information Services
	EAST COAST DETENTION EQUIPT SYSTEMS INCORPORATED	Cole Information Services
	V I P INTERNATIONAL BUSINESS CONSULTANT GROUP INCORPORATED	Cole Information Services
	EMPIRE TELECOMMUNICATIONS COMPANY	Cole Information Services
	BUSINESS MARKETING CENTER	Cole Information Services
	PIAZZA STEPHEN A CPA	Cole Information Services
	BENZONI ANDREW	Cole Information Services
	HAG PLUMBING & HEATING INCORPORATED	Cole Information Services

FINDINGS

2911 QUEENS PLZ N

Year	*Uses*	*Source*
2017	G HOLDING	Cole Information Services
	MARRIOTT LLC	Cole Information Services
	THOMAS BUTINA	Cole Information Services
	YIWEN DING	Cole Information Services
	MAURA GALLO	Cole Information Services
	SHAIRA REYES	Cole Information Services
	CHRISTOPHER SCHROEDER	Cole Information Services
	CUMALI TATLIADIM	Cole Information Services
	CARALINA WONNACOTT	Cole Information Services
	AMANDA FRIEDMAN	Cole Information Services
	SAKSIN JETWATTANA-YOUNG	Cole Information Services
	PHILIP LITFIN	Cole Information Services
	ANDREW TITLEY	Cole Information Services
	JAY TRUNZO	Cole Information Services
	KATELIN ROGERS	Cole Information Services
	CHERIE STEVENS	Cole Information Services
	WENXUAN YAN	Cole Information Services
	ROXI BARRON	Cole Information Services
	SI CHEN	Cole Information Services
	CHRISTOPHER CLARK	Cole Information Services
	GHALIA MHAID	Cole Information Services
	RAY RIOS	Cole Information Services
	CHRIS ARAMBUL	Cole Information Services
	TYLER FRANKLIN	Cole Information Services
	DUAN HAOLIANG	Cole Information Services
	FONG HO	Cole Information Services
	KATHLEEN PATTERSON	Cole Information Services
	SHAYNE CURETON	Cole Information Services
	MICHAEL KLOUFETOS	Cole Information Services
	AINSLEY KOSINSKI	Cole Information Services
	ANDREW RUSSO	Cole Information Services
	JAMIE TSUKAMAKI	Cole Information Services
	DEVIKA YERAGUDIPATI	Cole Information Services
	OLIVER BIDOL	Cole Information Services
	MEGAN HARE	Cole Information Services
	YIYANG HUANG	Cole Information Services
	TSUNG LIN	Cole Information Services

Year	Uses	Source
2017	ZUHAIR MALIK	Cole Information Services
	REBECCA SZEWCZUK	Cole Information Services
	CORTNEY WONG	Cole Information Services
	JEREMY GOURD	Cole Information Services
	KIRK HALLEY	Cole Information Services
	ASMA IMAM	Cole Information Services
	ZACHARY ROBINSON	Cole Information Services
	JOHN SAXON	Cole Information Services
2009	PAN AM CORPORATE TRANSPORTATION LTD	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
	WASHINGTON MUTUAL BANK	Cole Information Services
1999	P G COMMUNICATION TECHNOLOGIES	Cole Information Services
	PAN AM CORPORATE TRANSPORTATION LIMITED	Cole Information Services

2913 QUEENS PLZ N

Year	Uses	Source
2009	HANEC TAXI CAB ACADEMY	Cole Information Services
	HANAC INC	Cole Information Services
2004	HANEC TAXI DRIVER ACADEMY	Cole Information Services

2914 QUEENS PLZ N

Year	Uses	Source
1999	JUAN PACHANGA	Cole Information Services

2915 QUEENS PLZ N

Year	Uses	Source
2017	COURTYARD LONG ISLAND CITY NEW YORK	Cole Information Services
2009	SYDNEY W BARBANEL CONSULTING ENGRS	Cole Information Services
	LAW OFFICES OF GERALDINE BARBANEL	Cole Information Services
	GERALDINE BARBANEL	Cole Information Services
	QUIKSTART TRAINING & PLACEMENT CENTE	Cole Information Services
1999	DENAS COFFEE SHOP	Cole Information Services
	BARBANEL SIDNEY W CONSLTNG ENGR	Cole Information Services
	BARBANEL GERALDINE ATTORNEY	Cole Information Services
	SISANA NUTRITION CENTER	Cole Information Services

2921 QUEENS PLZ N

Year	Uses	Source
2009	I B M METRO EMPLOYEES FEDERAL C U	Cole Information Services
	JPMORGAN CHASE BANK N A	Cole Information Services
2004	IBM METRO EMPLOYEES FCU	Cole Information Services
1999	IBM METRO EFCU	Cole Information Services

2927 QUEENS PLZ N

Year	Uses	Source
2014	USMAN B AHMAD LAW OFFICE OF	Cole Information Services
	F S MILLER INCORPORATED	Cole Information Services
	EMANUEL GARY G BROKERAGE INCORPORATE	Cole Information Services
2009	READERS THEATRE WORKSHOP	Cole Information Services
	BUSINESS COMMITTEE FOR THE ARTS INC	Cole Information Services
2004	FS MILLER INC	Cole Information Services

QUEENS PLZ S

2810 QUEENS PLZ S

Year	Uses	Source
2017	RISER PLUMBING & HEATING CORP	Cole Information Services
2014	RISER PLUMBING & HEATING CORP	Cole Information Services
2005	US Census Bureau 0 718 707 0042 oi	Hill-Donnelly Information Services
	Parking Systems Plus 2 s	Hill-Donnelly Information Services
	King Teleservices LLC	Hill-Donnelly Information Services
2004	TELESERVICES KING	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1999	KINNEY SYSTEM INCORPORATED	Cole Information Services
	KINNEY SYSTEMS	Cole Information Services
	KINNEY SYSTEM INCORPORATED	Cole Information Services
	KING TELESERVICES LLC	Cole Information Services

2818 QUEENS PLZ S

Year	Uses	Source
1999	KELLYS FURNITURE	Cole Information Services
	KELLYS FURNITURE MARKET	Cole Information Services

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2810 S QUEENS PLZ

Year	*Uses*	*Source*
1983	Kellys Furniture	New York Telephone
	Furniture Mkt	New York Telephone

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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
1 2928 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
1 2940 NRTHRN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
21096 AF OF L 2928 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
21369 AF OF L 2928 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
21863 AF OF L 2928 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2493 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2501 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1950, 1934, 1922
2502 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922
2504 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2504 41ST AVE	2017, 2014, 2005, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2505 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2505 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2505 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2505 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1994, 1976, 1950, 1945, 1939, 1922
2506 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1950, 1945, 1934, 1922
2507 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
2508 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2509 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2509 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2510 41ST AVE	2017, 2014, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2510 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1950, 1945, 1939, 1922

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Address Researched	Address Not Identified in Research Source
2510 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2511 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1922
2511 41ST AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2511 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
2512 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1934, 1922
2512 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1950, 1922
2512 41ST AVE	2014, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2512 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1994, 1950, 1939, 1922
2513 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2514 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1934, 1922
2515 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1950, 1945, 1939, 1922
2515 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2515 BRDSE PLZ N	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
2516 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2516 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2516 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1950, 1939, 1922
2517 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1983, 1976, 1950, 1922
2517 41ST AVE	2005, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2518 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2518 41ST AVE	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1950, 1939, 1922
2518 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1922
2519 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2519 41ST AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2519 41ST AVE	2017, 2014, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2519 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922

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Address Researched	Address Not Identified in Research Source
2520 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2520 41ST AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1976, 1950, 1922
2520 41ST AVE	2017, 2014, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2520 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1976, 1967, 1950, 1939, 1922
2522 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1934, 1922
2523 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2523 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2523 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1976, 1950, 1939, 1922
2524 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2524 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2524 41ST AVE	2017, 2014, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2524 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1976, 1970, 1967, 1962, 1950, 1939, 1922
2525 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2525 41ST AVE	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2525 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2525 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1970, 1967, 1962, 1950, 1939, 1922
2526 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2526 41ST AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2526 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1967, 1962, 1950, 1939, 1922
2527 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2527 41ST AVE	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2527 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2527 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1994, 1983, 1976, 1970, 1962, 1950, 1939, 1922
2529 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2532 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922

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Address Researched	Address Not Identified in Research Source
2532 41ST AVE	2017, 2014, 2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2532 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2533 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2533 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1950, 1945, 1939, 1922
2534 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2536 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2536 41ST AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2536 41ST AVE	2017, 2014, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2536 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1950, 1939, 1922
2537 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2538 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2539 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1922
2540 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2541 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2541 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1950, 1945, 1939, 1922
2542 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2542 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2542 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2544 41ST AVE	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2544 41ST AVE	2017, 2014, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2544 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2545 41ST AVE	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2545 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2546 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922

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Address Researched	Address Not Identified in Research Source
2546 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2546 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2546 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1976, 1950, 1939, 1922
2547 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1950, 1945, 1939, 1922
2549 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2549 41ST AVE	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2549 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1976, 1970, 1950, 1939, 1922
2550 41ST AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2550 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2550 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1976, 1950, 1945, 1939, 1922
2551 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2554 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1950, 1945, 1939, 1922
2556 41ST AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2557 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1939, 1922
2558 41ST AVE	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2558 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1976, 1970, 1950, 1945, 1939, 1922
2559 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2559 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2559 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2559 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1950, 1939, 1922
2560 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2560 41ST AVE	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2560 41ST AVE	2017, 2014, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2560 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
2562 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
2562 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2562 41ST AVE	2017, 2014, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2562 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1950, 1939, 1922
2565 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2567 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2567 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2567 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2567 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1976, 1950, 1939, 1922
2570 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2570 41ST AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2570 41ST AVE	2017, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2570 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1950, 1939, 1922
2571 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2573 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2573 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2574 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2576 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2576 41ST AVE	2017, 2014, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2576 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1950, 1939, 1922
2577 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2577 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2577 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2577 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
2579 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2581 41ST AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

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Address Researched	Address Not Identified in Research Source
2581 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2581 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1962, 1950, 1945, 1939, 1934, 1922
2582 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2582 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2582 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2583 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1950, 1945, 1939, 1922
2585 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2585 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1967, 1962, 1950, 1945, 1939, 1922
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2586 41ST AVE	2017, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2586 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2587 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
2588 41ST AVE	2017, 2014, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2588 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1976, 1962, 1950, 1945, 1939, 1922
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2595 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2595 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2595 41ST AVE	2017, 2014, 2009, 2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2595 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1950, 1939, 1922
2625 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
2626 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1962, 1950, 1945, 1939, 1934, 1922
2627 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2640 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
2640 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1962, 1950, 1945, 1939, 1934, 1922

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Address Researched	Address Not Identified in Research Source
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2664 41ST AVE	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
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2701 40TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2701 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1976, 1950, 1922
2701 41ST AVE	2017, 2009, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2701 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2701 BRDGAE PLZ N	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2701 BRIDGE PLZ NORTH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2701 N QUEENS PLZ	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
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2702 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1950, 1922
2702 41ST AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2703 40TH AVE	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1970, 1967, 1950, 1945, 1939, 1934, 1922
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2703 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2704 40TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
2704 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1976, 1967, 1962, 1950, 1922
2704 41ST AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2704 BRIDGE PLZ NORTH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2704 N QUEENS PLZ	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2705 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1967, 1950, 1945, 1939, 1934, 1922
2708 40TH AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1976, 1950, 1945, 1939, 1922
2708 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
2709 40TH AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1950, 1945, 1939, 1934, 1922
2709 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1922

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Address Researched	Address Not Identified in Research Source
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2711 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1976, 1970, 1950, 1945, 1939, 1934, 1922
2711 41ST AVE	2017, 2009, 2005, 2004, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2712 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1950, 1945, 1922
2713 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1950, 1945, 1939, 1922
2713 41ST AVE	2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2715 41ST AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2715 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1976, 1970, 1950, 1945, 1939, 1922
2716 40TH AVE	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2716 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1950, 1945, 1922
2716 41ST AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2717 41ST AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2717 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1976, 1950, 1939, 1922
2718 40TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1950, 1939, 1922
2718 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1950, 1939, 1922
2719 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2719 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2720 40TH AVE	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2751 41ST AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2775 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
2801 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1976, 1950, 1922
2801 41ST AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2804 41ST AVE	2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2804 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1950, 1934, 1922
2805 41ST RD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922

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Address Researched	Address Not Identified in Research Source
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2810 41ST AVE	2009, 2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2810 BRIDGE PLZ NORTH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2810 BRIDGE PLZ S	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2810 BRIDGE PLZ SOUTH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2810 QUEENS PLZ S	2009, 2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2810 QUEENS PLZ S	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2810 S QUEENS PLZ	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2811 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2811 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2811 BRIDGE PLZ NORTH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2811 QUEENS PLZ N	2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2812 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2813 41ST AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2813 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2813 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2814 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1976, 1950, 1939, 1922
2814 41ST AVE	2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2814 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2816 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1967, 1950, 1922
2816 41ST AVE	2005, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2816 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2817 41ST AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2817 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1939, 1934, 1922

FINDINGS

Address Researched	Address Not Identified in Research Source
2818 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1950, 1922
2818 41ST AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2818 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2818 BRIDGE PLZ SOUTH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2818 QUEENS PLZ S	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2820 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2820 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2820 41ST AVE	2017, 2014, 2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2820 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1950, 1939, 1922
2821 41ST AVE	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2823 41ST AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2823 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2823 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1950, 1945, 1939, 1934, 1922
2824 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2824 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2824 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2824 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
2825 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2825 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1934, 1922
2827 41ST AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2827 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2828 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2828 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
2829 41ST AVE	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2829 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

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Address Researched	Address Not Identified in Research Source
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2830 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2830 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
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2832 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2832 41ST AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2832 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1950, 1945, 1939, 1922
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2834 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1950, 1939, 1922
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2841 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
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2845 41ST AVE	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2845 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2845 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2846 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2846 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

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2849 41ST AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
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2852 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
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2884 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2901 40TH RD	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2901 40TH RD	2017, 2014, 2009, 2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2901 QUEENS PLZ N	2017, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2902 BRIDGE PLZ	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2902 BRIDGE PLZ S	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2903 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1922
2905 40TH RD	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1950, 1945, 1934, 1922
2905 40TH RD	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2906 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2907 40TH RD	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1976, 1962, 1950, 1945, 1939, 1934, 1922
2907 40TH RD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2907 QUEENS PLZ N	2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2908 40TH AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2908 40TH AVE	2017, 2014, 2009, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2908 40TH RD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1962, 1950, 1945, 1939, 1934, 1922
2909 40TH RD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2909 BRIDGE PLAZA NST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922

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Address Researched	Address Not Identified in Research Source
2909 BRIDGE PLZ	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1967, 1962, 1950, 1945, 1939, 1922
2909 BRIDGE PLZ N	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
2909 BRIDGE PLZ NORTH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2909 BRIDGE ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
2909 N BRIDGE PLZ	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1950, 1939, 1922
2909 N QUEENS PLZ	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2909 QUEENS PLZ	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2909 QUEENS PLZ N	2017, 2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2910 40TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2911 40TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
2911 40TH RD	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1950, 1934, 1922
2911 40TH RD	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2911 N QUEENS PLZ	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2911 QUEENS PLZ	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2911 QUEENS PLZ N	2014, 2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2912 40TH AVE	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1950, 1922
2912 40TH AVE	2017, 2005, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2913 40TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2913 40TH RD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1950, 1945, 1922
2913 QUEENS PLZ	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2913 QUEENS PLZ N	2017, 2014, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2914 40TH AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1976, 1970, 1967, 1950, 1945, 1939, 1922
2914 40TH AVE	2017, 2005, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2914 BRIDGE PLZ	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2914 N BRIDGE PLZ	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

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Address Researched	Address Not Identified in Research Source
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2914 QUEENS PLZ N	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2915 40TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
2915 40TH RD	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1950, 1922
2915 40TH RD	2017, 2014, 2009, 2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2915 BRIDGE PLZ NORTH	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2915 N BRIDGE PLZ	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2915 N QUEENS PLZ	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2915 QUEENS PLZ	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2915 QUEENS PLZ N	2014, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2916 40TH AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1970, 1967, 1950, 1945, 1939, 1934, 1922
2916 40TH AVE	2017, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2916 40TH RD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2917 N BRIDGE PLZ	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1962, 1950, 1939, 1922
2918 40TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2918 40TH RD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2918 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2920 40TH RD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1950, 1945, 1939, 1922
2920 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1950, 1945, 1939, 1934, 1922
2921 40TH RD	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2921 40TH RD	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2921 QUEENS PLZ	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2921 QUEENS PLZ N	2017, 2014, 2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2922 40TH RD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1922
2923 40TH RD	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1976, 1950, 1934, 1922

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Address Researched	Address Not Identified in Research Source
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2923 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1967, 1950, 1939, 1934, 1922
2924 40TH AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1950, 1945, 1922
2924 40TH AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2926 40TH RD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1962, 1950, 1939, 1922
2926 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1950, 1945, 1939, 1934, 1922
2927 40TH RD	2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2927 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2927 41ST AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2927 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1950, 1922
2927 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2927 QUEENS PLZ	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2927 QUEENS PLZ N	2017, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2928 41 AU	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
2928 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1922
2928 41ST AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2928 41ST AVENUE BRIDGE PLZ	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
2928 NORTHERN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2928 NORTHERN BLVD E	2017, 2014, 2009, 2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2928 NORTHERN BLVD E	2017, 2014, 2009, 2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2931 41ST AVE	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2932 40TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2932 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1950, 1934, 1922
2932 NORTHERN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2932 NORTHERN BLVD	2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

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2932 NORTHERN BLVD E	2017, 2014, 2009, 2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2932 NORTHERN BLVD E	2017, 2014, 2009, 2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2934 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1950, 1934, 1922
2934 NORTHERN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1950, 1945, 1939, 1934, 1922
2934 NORTHERN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2936 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1950, 1934, 1922
2936 NORTHERN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1950, 1934, 1922
2936 NORTHERN BLVD E	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2936 NRTHRN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2937 41ST AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1950, 1945, 1939, 1934, 1922
2937 41ST AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2938 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1950, 1922
2938 NORTHERN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1970, 1967, 1950, 1934, 1922
2940 NORTHERN BLVD	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1970, 1967, 1950, 1934, 1922
2940 NORTHERN BLVD E	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2942 NORTHERN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2942 NORTHERN BLVD	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1950, 1945, 1939, 1934, 1922
2942 NORTHERN BLVD E	2017, 2014, 2009, 2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2942 NORTHERN BLVD E	2017, 2014, 2009, 2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2944 NORTHERN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1950, 1922
2945 NORTHERN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2946 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2946 NORTHERN BLVD	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1950, 1922
2946 NORTHERN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2946 NORTHERN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

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Address Researched	Address Not Identified in Research Source
2946 NORTHERN BLVD	2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2946 NORTHERN BLVD E	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2946 NORTHERN BLVD E	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2946 NORTHERN BLVD E	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2948 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2949 NORTHERN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
2950 NORTHERN BLVD	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1976, 1950, 1945, 1939, 1934, 1922
2950 NORTHERN BLVD	2017, 2014, 2009, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2954 40TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2954 40TH AVE	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2969 NORTHERN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1950, 1939, 1934, 1922
2969 NORTHERN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2970 NORTHERN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2976 NORTHERN BLVD	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1950, 1945, 1939, 1934, 1922
2976 NORTHERN BLVD	2005, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2976 NORTHERN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2976 NORTHERN BLVD E	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
2976 NORTHERN BLVD E	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3003 41ST AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3003 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1970, 1967, 1962, 1950, 1939, 1922
3005 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3005 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
3008 41ST AVE	2017, 2014, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3010 41ST AVE	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

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Address Researched	Address Not Identified in Research Source
3011 41ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1922
3011 41ST AVE	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3011 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3011 41ST ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1950, 1939, 1922
3012 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3014 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3015 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3015 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
3016 41ST AVE	2017, 2014, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3019 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3022 41ST AVE	2017, 2014, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3026 41ST AVE	2017, 2014, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3027 41DY	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
3028 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3035 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3036 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3039 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3041 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3043 41ST AVE	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
3937 28TH ST	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1976, 1967, 1950, 1922
3950 28TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
3986 28TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
3988 29TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
3990 28TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1962, 1950, 1945, 1939, 1934, 1922
4001 28TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922

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4001 28TH ST	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4001 29TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1967, 1950, 1939, 1922
4001 29TH ST	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4002 28TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4002 28TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4002 28TH ST	2017, 2014, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4002 29TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1962, 1950, 1945, 1939, 1934, 1922
4003 28TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4003 29TH ST	2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4005 28TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1950, 1922
4005 29TH ST	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4007 29TH ST	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4008 28TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4009 29TH ST	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1950, 1939, 1922
4009 29TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4010 28TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1970, 1950, 1945, 1939, 1922
4010 28TH ST	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4010 28TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4010 29TH ST	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4011 27TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4011 28TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1922
4011 29TH ST	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4011 29TH ST	2017, 2014, 2005, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4012 28TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4012 28TH ST	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1983, 1976, 1950, 1922

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4013 28TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4013 29TH ST	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4014 27TH ST	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1950, 1922
4014 27TH ST	2005, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4014 28TH ST	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1950, 1945, 1939, 1922
4014 28TH ST	2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4015 27TH ST	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1970, 1967, 1950, 1945, 1939, 1934, 1922
4015 27TH ST	2017, 2014, 2009, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4015 28TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4015 29TH ST	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4015 29TH ST	2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4016 27TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1939, 1922
4016 28TH ST	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1950, 1945, 1939, 1922
4016 28TH ST	2005, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
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4017 28TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4017 29TH ST	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4018 28TH ST	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4018 28TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4019 27TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4019 27TH ST	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1976, 1970, 1950, 1922
4019 27TH ST	2005, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4019 29 LIC	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4019 29TH ST	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1950, 1939, 1922
4019 29TH ST	2005, 2004, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

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Address Researched	Address Not Identified in Research Source
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4020 27TH ST	2017, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4021 27TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4021 27TH ST	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1950, 1922
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4022 29TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
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4110 28TH ST	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4110 29TH ST	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1950, 1922
4110 29TH ST	2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

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4111 28TH ST	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1922
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4111 29TH ST	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4111 CRESCENT ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1950, 1945, 1939, 1922
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4112 27TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1934, 1922
4112 28TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4112 29 ABBREV LL C	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4112 29TH ST	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1967, 1950, 1922
4112 29TH ST	2005, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4112 CRESCENT ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
4112 CRESCENT ST	2017, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
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4114 27TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1950, 1922
4114 27TH ST	2009, 2005, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4114 28TH ST	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4114 29TH ST	2009, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4114 29TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1950, 1945, 1939, 1934, 1922
4115 25TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4115 27TH ST	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922

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Address Researched	Address Not Identified in Research Source
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4115 28TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1950, 1945, 1939, 1922
4115 29TH ST	2017, 2014, 2009, 2004, 2000, 1999, 1996, 1994, 1970, 1950, 1934, 1922
4115 29TH ST	2017, 2005, 2004, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4116 28TH AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4116 28TH ST	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4116 29TH ST	2009, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4116 29TH ST	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1950, 1945, 1939, 1934, 1922
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4117 28TH ST	2017, 2014, 2009, 2005, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4117 29TH ST	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
4117 CRESCENT ST	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1983, 1950, 1945, 1939, 1922
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4118 28TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4118 28TH ST	2017, 2014, 2009, 2005, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
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4118 29TH LIC APG 5	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4118 29TH LONG ISLAND CITY	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4118 29TH ST	2005, 2000, 1999, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4118 29TH ST	2017, 2014, 2009, 2004, 1999, 1996, 1994, 1950, 1922
4118 CRESCENT ST	2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922

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4119 27TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
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4140 27TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1962, 1950, 1945, 1939, 1934, 1922
4140 27TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
4141 29TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1934, 1922
4146 27TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1950, 1945, 1939, 1934, 1922
4148 29TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1922
4155 27TH ST	2017, 2014, 2009, 2005, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1962, 1950, 1945, 1939, 1934, 1922
425 IUE AFL CIO 2928 41ST AVE	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
450 A F OF L 4110 29	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1962, 1950, 1945, 1939, 1934, 1922
450 OF L 4110 29TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
471 IUE AF OF L CIO 4027 29TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922
7030 2946 NRTHRN BLVD	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1962, 1950, 1945, 1939, 1934, 1922
819 4110 29TH ST	2017, 2014, 2009, 2005, 2004, 2000, 1999, 1996, 1994, 1991, 1983, 1976, 1970, 1967, 1950, 1945, 1939, 1934, 1922

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
2812 41st Avenue	2009, 2004, 1999, 1996, 1994, 1991, 1983, 1976, 1950, 1922

APPENDIX F
SITE QUESTIONNAIRE
AND RELEVANT DOCUMENTS

631-589-8705

ATTN: RYAN MORLEY

PWGC
CLIENT DRIVEN SOLUTIONS

Client Questionnaire

P.W. Grosser Consulting Inc. (PWGC) has been contracted to perform a Phase I Environmental Site Assessment (ESA) of the property listed below. The Phase I investigation will include site observations, interviews, and review of available documentation. To ensure the success of the assessment, and in accordance with the ASTM 1527-13 which documents certain user responsibilities, we are submitting this questionnaire to assist you in meeting those responsibilities. If you could please complete this questionnaire and return it via email within one business day of receipt it will allow us to complete the Phase I ESA in a timely and efficient manner.

Name of person completing questionnaire: JOHN MCINTERNEY **Date:** 3/29/21

Length of association with property: MANAG. DIRECTOR **Company:** CROSS GROUP

Property Name/Address: 2812 41ST AV LIC, NY 11101 **Phone #:** 516.238.4662

PWGC Project #: 21LP051

Directions: Please read and answer all questions very carefully, to the best of your knowledge and in good faith. Mark the column corresponding to the appropriate response. Supplemental details necessary to explain any yes or unknown responses should be provided in the "Comments" column. Note: U/NR indicates "Unknown" or "No Response," and "N/A" indicates not applicable. If "Comment" box proves too small to fit your comment please attach an additional form with your full response.

		Question	Y	N	U/NR	Comment
1		Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?		✓		
2		Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property?		✓		
3		Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?		✓		
4		Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?		✓		
5		Are you aware of any Activity and Use Limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?		✓		

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		Question	Y	N	U/NR	Comment
6		As the user of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or previous occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?		✓		
7		Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?	✓			
8		Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases?		✓		
	8(a)	Do you know past uses of the property?		✓		
	8(b)	Do you know of specific chemicals that are present or once were present at the property?		✓		
	8(c)	Do you know of any spills or other chemical releases that have taken place at the property?		✓		
	8(d)	Do you know of any environmental cleanups that have taken place at the site?		✓		
9		As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?		✓		

In addition, are you aware of any of the following documents, and if so, please forward copies of the document(s) to P.W. Grosser Consulting at 630 Johnson Ave, Ste 7, Bohemia, NY 11716-2618 (along with a copy of this form):

Helpful Documents to be forwarded to PWGC:

__Environmental site assessment reports (i.e. Phase I or II, tank testing results, radon, lead paint, or asbestos testing, etc.)
__Environmental compliance audit reports; risk assessments; and recorded Activity and Use Limitations (AULs)
__Environmental permits (i.e. solid waste disposal, hazardous waste disposal, wastewater, NPDES, etc.)
__Registrations for underground storage tanks (USTs) and aboveground storage tanks (ASTs)
__Registrations for underground injection systems Material safety data sheets
__Community right to know plan
__Safety plans; preparedness and prevention plans; spill prevention, countermeasure/control plans, etc.
__Reports regarding hydrogeological or geotechnical conditions on the property and surrounding area
__Notices/correspondence from any agency relating to past or current violations of environmental laws, or liens encumbering the property
__Hazardous waste generator notices or reports
__Other:

RyanM@pwgrosser.com

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Key Site Manager Pre-Survey Questionnaire

Name of person completing questionnaire: **Date:** 3/29/21
Company:

Length of association with property: **Phone #:**

Property Name/Address: 28-12 41 Ave
PWGC Project #: LIC NY 11101

Directions: Please read and answer all questions very carefully, to the best of your knowledge and in good faith. Mark the column corresponding to the appropriate response. Supplemental details necessary to explain any yes or unknown responses should be provided in the "Comments" column. Note: U/NR indicates "Unknown" or "No Response," and "N/A" indicates not applicable. If "Comment" box proves too small to fit your comment please attach an additional form with your full response.

QUESTION		RESPONSE			COMMENTS
		Y	N	U/NR	
1A.	Is the property used for an industrial use?		X		
1B.	Are any adjoining properties used for an industrial use?		X		
2A.	To the best of your knowledge, has the property had an industrial use in the past?		X		
2B.	To the best of your knowledge, has the adjoining properties been used for an industrial use in the past?		X		
3A.	Is the property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junk yard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?		X		
3B.	Is any adjoining property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junk yard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?		X		
4A.	To the best of your knowledge, has the property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junk yard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	X			

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CLIENT DRIVEN SOLUTIONS

4B.	To the best of your knowledge, has any adjoining property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junk yard or landfill, or as a waste treatment, storage, disposal, processing, or		X		
5A.	Are there currently any automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers greater than five gallons in the aggregate, stored on or used at the subject property?		X		
5B.	To the best of your knowledge, have there been previously any automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of greater than five gallons in volume or 50 gallons in aggregate, stored or used at the subject property?		X		
6A.	Are there currently any industrial drums (typically 55 gallon) or sacks of chemicals located on the property?		X		
6B.	To the best of your knowledge, have there been previously any industrial drums (typically 55 gallon) or sacks of chemicals located at the property?			X	
7A.	Is there currently any groundwater monitoring wells or other groundwater wells (i.e., potable drinking water wells) located on the property?		X		
7B.	To the best of your knowledge, have there been previously any groundwater monitoring wells or other groundwater wells (i.e., potable drinking water wells) located on the property?		X		
8A.	Has fill dirt been brought onto the property which originated from a contaminated site?		X		
8B.	Has fill dirt been brought onto the property which is of an unknown origin?		X		
9A.	Are there currently any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?		X		
9B.	To the best of your knowledge, has there been previously any pit, ponds or lagoons located on the property in connection with waste treatment or waste disposal?		X		
10A.	Is there currently, any stained soil on the property?		X		
10B.	To the best of your knowledge, has there been		X		
11A.	Are there currently any registered or unregistered storage tanks (above or underground) located on the property?		X		

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11B.	To the best of your knowledge, have there been previously any registered or unregistered storage tanks (above or underground) located on the property?		X		
12A.	Are there currently any vent pipes, fill pipes or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?		X		
12B.	To the best of your knowledge, have there been previously any vent pipes, fill pipes or access way indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?		X		
13A.	Are there currently any flooring, drains, or walls located at the property that are stained by substances other than water or are emitting foul odors?		X		
13B.	To the best of your knowledge, have there been previously any flooring, drains, or walls located at the property that are stained by substances other than water or are emitting foul odors?		X		
14A.	If the property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system?			—	
14B.	If the property is served by a private well or non-public water system has the well been designated as contaminated by any government environmental/health agency?			—	
15A.	Have you been informed of the past existence of hazardous substances or petroleum products with respect to the property or any facility located on the property?		X		
15B.	Have you been informed of the current existence of hazardous substances or petroleum products with respect to the property or any facility located on the property?		X		
16A.	Are there any environmental liens or governmental notification relating to past or current violations of environmental laws with respect to the property or any facility located on the property?		X		
16B.	Have you been informed of the past existence of environmental violations with respect to the property or any facility located on the property?		X		
16C.	Are you aware of any pending, threatened, or past litigation relevant to hazardous substances of petroleum products in, on or from the property?		X		

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16D.	Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property?		X		
16E.	Are you aware of any notices from any governmental entity regarding any possible violation or environmental laws or possible liability relating to hazardous substances or petroleum products?		X		
17.	Have there been any environmental site assessments of the property that indicated the presence of hazardous substances or petroleum products on, or contamination of, the property or recommended further assessment of the property?		X		
18.	Does the property discharge waste water on or adjacent to the property, other than storm water, into a storm water sewer system?		X		
19.	Does the property discharge waste water on or adjacent to the property, other than storm water, or into a sanitary system?		X		
20.	Have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the property?		X		
21.	Is there a transformer, capacitor or any hydraulic equipment for which there are any records indicating the presence of PCBs?		X		
22.	Is there now or has there ever been any asbestos-containing materials (ACM), in any application, on the property?		X		
23.	Has there ever been any ACM testing conducted on the property?	X			
24.	Is there any asbestos Operations and Maintenance (O&M) program in place at the property?		X		
25.	Is the now or has there ever been any lead-based paint (LBP) applications on the property?		X		
26.	Has there ever been LBP testing conducted on the property?		X		
27.	Is there a Lead Paint Operations and Maintenance (O&M) Program in place at the property?		X		
28.	Has the water at the property ever been tested for lead?		X		
29.	Has Radon testing ever been conducted at the property?		X		
30.	Are there any other Operations and Maintenance (O&M) programs in place that we should be made aware of?		X		

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31.	Is the property or any portion of the property located or involved in any environmentally sensitive areas (i.e., wetlands, coastal barrier resource areas, coastal barrier improvement act areas, flood plains, endangered species, etc.)?		X		
32.	Do you know or suspect that mold was or is present in the building(s) or HVAC system?		X		
33.	Are there reliable procedures that specify the actions (i.e. operations and maintenance) to be taken to prevent and/or respond to mold or mold producing problems?		X		
34.	Is there a mold Operations and Maintenance (O&M) program in place at the property?		X		
35.	Is the HVAC system inspected at least annually?			—	
36.	Have identified HVAC problems been corrected in a timely manner?			—	
37.	Is there now, or has there ever been evidence of mold or mildew present at the building(s)? If so, when?		X		
38.	Is there now, or has there ever been any water damage in the building(s), whether from flooding, plumbing, roof leaks, or other sources? If so, when?		X		
39.	Has there ever been any sort of Indoor Air Quality (IAQ) or mold testing conducted in the building(s)?		X		
Summarize historical property use (when was the property developed with the current improvements, what modifications have taken place, what was the property used for prior to its' current use)		- Repair shop - Food storage - Warehouse - Printing			

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CLIENT DRIVEN SOLUTIONS

Owner Questionnaire

P.W. Grosser Consulting Inc. (PWGC) has been contracted to perform a Phase I Environmental Site Assessment (ESA) of the property listed below. The Phase I investigation will include site observations, interviews, and review of available documentation. To ensure the success of the assessment, and in accordance with the ASTM 1527-13, we are required to ask the following question of the owner or opener's representative. If you could please complete this questionnaire and return it via email within one business day of receipt it will allow us to complete the Phase I ESA in a timely and efficient manner.

Date: 3/29/21

Name of person completing questionnaire: **Company:**

Length of association with property: **Phone #:**

Property Name/Address: 28-12 41 Ave LIC NY 11101 **PWGC Project #:**

Please Check One: [X] **Owner** [ ] **Owner Representative**

Directions: Please read and answer all questions very carefully, to the best of your knowledge and in good faith. Mark the column corresponding to the appropriate response. Supplemental details necessary to explain any yes or unknown responses should be provided in the "Comments" column. Note: U/NR indicates "Unknown" or "No Response," and "N/A" indicates not applicable. If "Comment" box proves too small to fit your comment please attach an additional form with your full response.

		Question	Y	N	U/NR	Comment
1		Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?		X		
2		Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property?		X		
3		Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?		X		
4		Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?		X		
5		Are you aware of any Activity and Use Limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?		X		

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6		Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user:		X		
	6(a)	Do you know past uses of the property?	X			
	6(b)	Do you know of specific chemicals that are present or once were present at the property?		X		
	6(c)	Do you know of any spills or other chemical releases that have taken place at the property?		X		
	6(d)	Do you know of any environmental cleanups that have taken place at the site?		X		

In addition, are you aware of any of the following documents, and if so, please forward copies of the document(s) to P.W. Grosser Consulting at 630 Johnson Ave, Ste 7, Bohemia, NY 11716-2618 (along with a copy of this form):

Helpful Documents to be forwarded to PWGC:

__ Environmental site assessment reports (i.e. Phase I or II, tank testing results, radon, lead paint, or asbestos testing, etc.)
__ Environmental compliance audit reports; risk assessments; and recorded Activity and Use Limitations (AULs)
__ Environmental permits (i.e. solid waste disposal, hazardous waste disposal, wastewater, NPDES, etc.)
__ Registrations for underground storage tanks (USTs) and aboveground storage tanks (ASTs)
__ Registrations for underground injection systems
__ Material safety data sheets
__ Community right to know plan
__ Safety plans; preparedness and prevention plans; spill prevention, countermeasure/control plans, etc.
__ Reports regarding hydrogeological or geotechnical conditions on the property and surrounding area
__ Notices/correspondence from any agency relating to past or current violations of environmental laws, or liens encumbering the property
__ Hazardous waste generator notices or reports
__ Other:

APPENDIX G
EDR RADIUS MAP REPORT

ICF2101
2812 41st Avenue
Long Island City, NY 11101

Inquiry Number: 6422752.2s
March 26, 2021

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

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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 (E 1527-13), 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

2812 41ST AVENUE
LONG ISLAND CITY, NY 11101

COORDINATES

Latitude (North):	40.7510270 - 40˚ 45' 3.69''
Longitude (West):	73.9373420 - 73˚ 56' 14.43''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	589709.8
UTM Y (Meters):	4511451.0
Elevation:	33 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	TP
Source:	U.S. Geological Survey

Target Property:	S
Source:	U.S. Geological Survey

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150729, 20150522
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
2812 41ST AVENUE
LONG ISLAND CITY, NY 11101

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	NEW YORK/MAX JDJ CLE	2812 41ST AVENUE	NY DRYCLEANERS		TP
A2	MAX CLEANERS INC	2812 41ST AVE	EDR Hist Cleaner		TP
A3	LOT 20,TAXBLOCK 417	28-12 41 AVENUE	NY E DESIGNATION	Lower	1 ft.
A4	ANCO TRANSMISSIONS C	2810 41ST AVE	EDR Hist Auto	Higher	9, 0.002, NNE
A5	DON'S CORP	28-16 41ST AVE	NY Spills	Lower	24, 0.005, ESE
A6	LOT 14,TAXBLOCK 417	41-11 28 STREET	NY E DESIGNATION	Lower	33, 0.006, WSW
A7	41-18 29TH STREET	41-18 29TH STREET	NY AST	Lower	72, 0.014, SSW
A8	UNIT MFG	41-17 28TH ST	RCRA-SQG, FINDS, ECHO, NY MANIFEST	Lower	74, 0.014, WSW
A9	NYC DEPT OF EDUCATIO	28-01 41ST AVE	RCRA-SQG, FINDS, ECHO	Higher	113, 0.021, NNW
A10	NEWCOMBERS HIGH SCHO	28-01 41ST AVE	NY Spills	Higher	113, 0.021, NNW
A11	NYC DEPT OF EDUCATIO	28-01 41ST AVE	NY MANIFEST	Higher	113, 0.021, NNW
A12	NEWCOMERS HIGH SCHOO	28-01 41ST AVENUE	NY UST	Higher	113, 0.021, NNW
A13	41-20 29TH STREET	41-20 29TH STREET	NY AST	Lower	113, 0.021, SSW
A14	41-24 29TH STREET	41-24 29TH STREET	NY AST	Lower	153, 0.029, SSW
A15	LOT 7501,TAXBLOCK 41	27-16 41 AVENUE	NY E DESIGNATION	Higher	184, 0.035, NW
B16	LOT 28,TAXBLOCK 416	27-04 41 AVENUE	NY E DESIGNATION	Higher	253, 0.048, NW
C17	29-28 41ST AVE	29028 41ST AVENUE	NY Spills	Lower	262, 0.050, SE
D18	NYC DEPARTMENT OF ED	28 11 QUEENS PLAZA	NY MANIFEST	Lower	279, 0.053, SW
B19	LOT 6,TAXBLOCK 405	41 AVENUE	NY E DESIGNATION	Higher	279, 0.053, NNW
C20	A D T SECURITIES	29-27 41ST AVE	RCRA NonGen / NLR, NY MANIFEST	Lower	281, 0.053, SSE
C21	29-37 41ST AVE	29-37 41ST AVENUE	NY AST	Lower	286, 0.054, SSE
C22	QPP LLC	29-37 41ST AVE	NY MANIFEST	Lower	286, 0.054, SSE
C23	QUEENS PLAZA NORTH	29-37 41ST AVE	NJ MANIFEST	Lower	286, 0.054, SSE
B24	LOT 5,TAXBLOCK 405	27-01 41 AVENUE	NY E DESIGNATION	Higher	296, 0.056, NNW
B25	27-01 41ST AVENUE	27-01 41ST AVENUE	NY VCP	Higher	296, 0.056, NW
B26	LOT 37,TAXBLOCK 405	40-32 28 STREET	NY E DESIGNATION	Higher	303, 0.057, North
D27	LOT 10,TAXBLOCK 416	27-01 QUEENS PLAZA N	NY E DESIGNATION	Lower	304, 0.058, WSW
D28	CON EDISION - V3202	28-19 BRIDGE PLAZA N	RCRA NonGen / NLR, NY MANIFEST	Lower	313, 0.059, SW
E29	NYC DEPT OF EDUCATIO	40-11 28TH ST	RCRA-LQG	Higher	313, 0.059, NNE
E30	NYC DEPT OF EDUCATIO	40-11 28TH ST	NY MANIFEST	Higher	313, 0.059, NNE
D31	VAULT 3202	28-19 BRIDGE PLAZA	NY Spills	Lower	314, 0.059, SSW
B32	41-15 27TH AVE	41-15 27TH AVE	NY Spills	Lower	315, 0.060, WNW
E33	LOT 36,TAXBLOCK 405	40-30 28 STREET	NY E DESIGNATION	Higher	317, 0.060, North
B34	SPILL NUMBER 0201484	41-19 27TH ST	NY Spills	Lower	319, 0.060, WNW
B35	LOT 9,TAXBLOCK 405	40-39 27 STREET	NY E DESIGNATION	Higher	331, 0.063, NNW
B36	40-41 27TH ST	40-41 27TH ST	NY Spills	Higher	336, 0.064, NNW
C37	GRANITE QUEENS PLAZA	29-15 QUEENS PLAZA N	NY AST	Lower	339, 0.064, SSE
B38	LOT 10,TAXBLOCK 405	40-37 27 STREET	NY E DESIGNATION	Higher	345, 0.065, NNW
D39	NYC BOARD OF EDUCATI	28-11 QUEENS PLZ N	NY MANIFEST	Lower	346, 0.066, SSW

MAPPED SITES SUMMARY

Target Property Address:
2812 41ST AVENUE
LONG ISLAND CITY, NY 11101

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
D40	PS 153 M SCHOOL	1750 AMSTERDAM AVE	RCRA-LQG, NY LTANKS	Lower	346, 0.066, SSW
D41	NYC BOARD OF EDUCATI	28-11 QUEENS PLZ N	RCRA-LQG, FINDS, ECHO	Lower	346, 0.066, SSW
B42	LOT 7,TAXBLOCK 405	27-01 41 AVENUE	NY E DESIGNATION	Higher	352, 0.067, NW
C43	ENTERTAINMENT PRODUC	29-11 QUEENS PLAZA N	NY AST	Lower	353, 0.067, South
E44	LOT 33,TAXBLOCK 405	40-22 28 STREET	NY E DESIGNATION	Higher	389, 0.074, North
D45	VS #4592	28 STREET & BRIDGE P	NY Spills	Lower	396, 0.075, SW
D46	SPILL NUMBER 0300295	QUEENS PLZ/28TH ST	NY Spills	Lower	396, 0.075, SW
D47	SWEETHEART PRODUCTIO	27-01 QUEENS PLZ N	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	399, 0.076, WSW
D48	27-01 BRIDGE PLAZA N	27-01 QUEENS PLAZA N	NY AST	Lower	399, 0.076, WSW
E49	LOT 32,TAXBLOCK 405	40-18 28 STREET	NY E DESIGNATION	Higher	406, 0.077, North
B50	LOT 1,TAXBLOCK 406	25-17 41 AVENUE	NY E DESIGNATION	Higher	408, 0.077, NW
B51	LOT 10,TAXBLOCK 406	25 STREET	NY E DESIGNATION	Higher	408, 0.077, NW
B52	MAMM REALTY	25-17 41ST AVE	NY Spills	Higher	417, 0.079, NW
B53	LOT 26,TAXBLOCK 415	25-20 41 AVENUE	NY E DESIGNATION	Higher	417, 0.079, NW
B54	CANAAN PRINTING	41-14 27TH ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	424, 0.080, WNW
C55	29 27 QUEENS PLAZA N	29-27 QUEENS PLAZA N	NY UST	Lower	436, 0.083, SE
C56	29 27 QUEENS PLAZA N	29-27 QUEENS PLAZA N	NY AST	Lower	436, 0.083, SE
C57	OFFICE BUILDING	29-27 NORTHERN BLVD	NY LTANKS	Lower	442, 0.084, SE
B58	LOT 28,TAXBLOCK 415	41-14 27 STREET	NY E DESIGNATION	Higher	443, 0.084, WNW
E59	LOT 34,TAXBLOCK 405	40-26 28 STREET	NY E DESIGNATION	Higher	450, 0.085, NNE
F60	BRIDGE PLAZA TECH CE	27-01 BRIDGE PLZ N -	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	459, 0.087, WSW
E61	LOT 17,TAXBLOCK 405	40-19 27 STREET	NY E DESIGNATION	Higher	466, 0.088, North
B62	QUEENS PLAZA REALTY	25-12 41ST AVENUE	NY UST	Higher	467, 0.088, NW
B63	LOVOUR HOME	2512 41ST AVE	NY LTANKS	Higher	467, 0.088, NW
G64	LOT 21,TAXBLOCK 416	41-21 27 STREET	NY E DESIGNATION	Lower	469, 0.089, WNW
D65	MH557	29TH ST AND QUEENS B	NY Spills	Lower	476, 0.090, SSW
F66	ATLANTIC PRECIOUS ME	41-32 27TH ST	RCRA-SQG, NY MANIFEST, NJ MANIFEST	Lower	479, 0.091, West
H67	LOT 16,TAXBLOCK 405	40-21 27 STREET	NY E DESIGNATION	Higher	488, 0.092, North
H68	LOT 38,TAXBLOCK 406	27 STREET	NY E DESIGNATION	Higher	492, 0.093, NNW
I69	LOT 18,TAXBLOCK 402	29-13 40 ROAD	NY E DESIGNATION	Lower	493, 0.093, ENE
B70	STELLAPOL CORP	25-15 41ST AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	495, 0.094, NW
B71	A TO Z COMPANY	25-15 41ST AVE	NY Spills	Higher	495, 0.094, NW
B72	MIDNIGHT EXPRESS CLE	25-15 41ST AVE	EDR Hist Cleaner	Higher	495, 0.094, NW
C73	QUEENS PLAZA NORTH	2937 QUEENS PLAZA NO	RCRA-LQG	Lower	499, 0.095, SE
B74	CRISTOS AUTO BODY	25-11 41ST AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	501, 0.095, NW
B75	AUTO DYNAMICS	25-11 41ST AVENUE	NY AST	Higher	501, 0.095, NW
B76	AUTO DYNAMICS	25-11 41ST AVENUE	NY UST	Higher	501, 0.095, NW
B77	CHRISS DAYTONA	25-11 41ST AVE BLOCK	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	501, 0.095, NW
B78	LOT 2,TAXBLOCK 406	25-11 41 AVENUE	NY E DESIGNATION	Higher	504, 0.095, NW

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
E79	LOT 31,TAXBLOCK 405	40-16 28 STREET	NY E DESIGNATION	Higher	506, 0.096, NNE
I80	LOT 16,TAXBLOCK 402	29-15 40 ROAD	NY E DESIGNATION	Lower	514, 0.097, ENE
J81	CON EDISON MANHOLE:	2942 QUEENS PLAZA	RCRA NonGen / NLR, NY MANIFEST	Lower	517, 0.098, SSE
K82	MTA/LIRR-EASTSIDE AC	29-85 NORTHERN BLVD.	NY Spills	Lower	519, 0.098, ESE
K83	CONSTRUCTION SITE	2985 NORTHER BLVD	NY Spills	Lower	519, 0.098, ESE
K84	CONSTRUCTION SITE	2985 NORTHERN BLVD	NY Spills	Lower	519, 0.098, ESE
K85	MTA-LIRR - THE MANHA	29-69 NORTHERN BLVD	RCRA NonGen / NLR, FINDS, ECHO	Lower	525, 0.099, ESE
E86	LOT 29,TAXBLOCK 405	40-12 28 STREET	NY E DESIGNATION	Higher	529, 0.100, NNE
I87	NYC DEP	2915 40TH RD	RCRA NonGen / NLR, NY MANIFEST	Lower	533, 0.101, ENE
J88	CON EDISON MANHOLE 8	NORTHERN BLVD & 41 A	RCRA NonGen / NLR	Lower	541, 0.102, SE
J89	MANHOLE 880	NORTHERN BLVD & 41 A	NY Spills	Lower	542, 0.103, SE
E90	LOT 26,TAXBLOCK 405	27-20 40 AVENUE	NY E DESIGNATION	Higher	548, 0.104, NNE
F91	QUEENS PLAZA NORTH	25-15 QUEENS PLAZA N	NY UST	Lower	549, 0.104, WSW
F92	FALIDAS ASSCOCIATES	25-01 QUEENS PLAZA N	RCRA-VSQG, NY LTANKS, NY MANIFEST, NJ MANIFEST	Lower	549, 0.104, WSW
F93	CON EDISON	25-17 QUEENS PLAZA N	NY MANIFEST	Lower	549, 0.104, WSW
K94	DEP DIESEL SPILL AT	122-01 NORTHERN BLVD	NY Spills	Lower	551, 0.104, ESE
J95	29-28 41ST AVENUE	29-28 41ST AVENUE	NY AST	Lower	554, 0.105, SE
J96	MTA- EAST SIDE ACCES	29-54 NORTHERN BLVD	NJ MANIFEST	Lower	555, 0.105, SE
J97	MTA- EAST SIDE ACCES	29-54 NORTHERN BLVD	RCRA-LQG, NY MANIFEST	Lower	555, 0.105, SE
J98	NORTHERN BOULEVARD C	29-60 NORTHERN BOULE	NY AST	Lower	556, 0.105, SE
H99	LOT 13,TAXBLOCK 405	40-29 27 STREET	NY E DESIGNATION	Higher	558, 0.106, North
K100	NYCTA - NORTHERN BLV	29-70 NORTHERN BLVD	RCRA NonGen / NLR, NY MANIFEST	Lower	565, 0.107, ESE
K101	MTA EAST SIDE ACCESS	29-85 NORTHERN BLVD	NY Spills	Lower	570, 0.108, ESE
K102	MTA- EAST SIDE ACCES	29-85 NORTHERN BLVD	RCRA-LQG, NY MANIFEST	Lower	570, 0.108, ESE
K103	MTCC CAPITOL CONSTRU	2985 NORTHERN BLVD	NY Spills	Lower	570, 0.108, ESE
K104	MTA- EAST SIDE ACCES	29-85 NORTHERN BLVD	NJ MANIFEST	Lower	570, 0.108, ESE
F105	MANHOLE # 8640	28TH ST/QUEENS PLZ	NY Spills	Lower	571, 0.108, SW
F106	MANHOLE #10639	BRIDGE PLZ/28TH ST	NY Spills	Lower	571, 0.108, SW
G107	DAYTONA COLLISION	41-17 CRESCENT ST	RCRA NonGen / NLR	Lower	572, 0.108, WNW
G108	DAYTONA AUTO COLLISI	41-17 CRESCENT ST	NY MANIFEST	Lower	572, 0.108, WNW
G109	NATIONAL HERALD	41-17 CRESCENT ST	RCRA NonGen / NLR	Lower	572, 0.108, WNW
G110	DIAMATARIS PROPERTIE	41-17 CRESCENT ST	NY AST	Lower	572, 0.108, WNW
J111	FRONT OF 30-10 41ST	VAULT 678	NY Spills	Lower	586, 0.111, SE
J112	VAULT 768	30-10 41ST AVE	NY Spills	Lower	586, 0.111, SE
K113	NYC TRANSIT AUTHORIT	29-60 NORTHERN BLVD	NY Spills	Lower	588, 0.111, ESE
K114	CQ-33 MTA EASTSIDE A	29-80 NORTHERN BOULE	NY AST	Lower	589, 0.112, ESE
L115	LOT 8,TAXBLOCK 406	41 AVENUE	NY E DESIGNATION	Higher	593, 0.112, NW
I116	LOT 28,TAXBLOCK 402	29-14 40 AVENUE	NY E DESIGNATION	Lower	602, 0.114, ENE
F117	CON EDISON	25-01 QUEENS PLAZA N	NY MANIFEST	Lower	604, 0.114, West

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K118	NYC TRANSIT BUILDING	29-70 NORTHERN BLVD	NY Spills	Lower	604, 0.114, ESE
J119	GALASFEO JEWELRY	2932 NORTHERN BLVD	NY Spills	Lower	604, 0.114, SSE
G120	LOT 24,TAXBLOCK 415	25-12 41 AVENUE	NY E DESIGNATION	Higher	605, 0.115, NW
H121	LOT 12,TAXBLOCK 406	40-25 CRESCENT STREE	NY E DESIGNATION	Higher	607, 0.115, NNW
G122	41ST & CRESCENT AVES	41ST ST / CRESENT AV	NY Spills	Higher	621, 0.118, NW
L123	LOT 11,TAXBLOCK 406	CRESCENT STREET	NY E DESIGNATION	Higher	621, 0.118, NNW
M124	GASETERIA	30-05/30-25 QUEENS B	NY Spills	Lower	624, 0.118, South
M125	QUEENS & NORTHERN	30-05 QUEENS BOULEVA	NY UST	Lower	624, 0.118, South
M126	GASETERIA OIL CORP	3005 QUEENS BLVD	EDR Hist Auto	Lower	624, 0.118, South
M127	GASETERIA	30-05 QUEENS BLVD	NY Spills	Lower	624, 0.118, South
H128	LOT 29,TAXBLOCK 406	40-14 27 STREET	NY E DESIGNATION	Higher	625, 0.118, North
J129	CONSTRUCTION SITE	29-22 NORTHERN BLVD	NY Spills	Lower	627, 0.119, SSE
F130	MTA NYCT QUEENS BLVD	27TH ST & QUEENS BLV	RCRA-VSQG, NY MANIFEST	Lower	629, 0.119, WSW
J131	30-10/12 41ST AVE.	30-10/12 41ST AVENUE	NY UST	Lower	632, 0.120, SE
I132	29-24 40TH AVE	29-24 40TH AVE	NY AST	Lower	639, 0.121, ENE
I133	29-24 40TH AVE	29-24 40TH AVE	NY UST	Lower	639, 0.121, ENE
I134	KAL REALTY	29-24 40TH AVE	NY LTANKS	Lower	639, 0.121, ENE
J135	CON EDISON	30-02 NORTHERN BLVD	NY MANIFEST	Lower	641, 0.121, SE
I136	LOT 30,TAXBLOCK 402	29-16 40 AVENUE	NY E DESIGNATION	Lower	641, 0.121, ENE
J137	NYCT SKILLMAN SUBSTA	30-26 41ST AVE	RCRA NonGen / NLR	Lower	654, 0.124, SE
K138	CON ED	NORTHERN BLVD & 40 R	NY MANIFEST	Lower	665, 0.126, East
G139	CON EDISON	4120 CRESCENT ST	NY MANIFEST	Lower	678, 0.128, WNW
G140	PACKARD SQUARE NORTH	41-18 CRESCENT STREE	NY AST	Lower	693, 0.131, WNW
N141	SUPERIOR REED BUILDI	29-50 NORTHERN BLVD	NY UST, NY AST	Lower	693, 0.131, ESE
N142	NYCTA - SUPERIOR REE	29-50 NORTHERN BLVD	NY LTANKS, RCRA NonGen / NLR, FINDS, ECHO, NY...	Lower	693, 0.131, ESE
O143	ALPIANS FANCY CLEANE	27-09 40TH AVE	RCRA-VSQG, FINDS, ECHO, NY MANIFEST	Higher	693, 0.131, NNE
O144	WORLD CLASS GARMENT	27-09 40TH AVENUE	NY DRYCLEANERS	Higher	693, 0.131, NNE
O145	27-09 40TH AVENUE	27-09 40TH AVENUE	NY VCP, NY Spills	Higher	693, 0.131, NNE
M146	PRIMO PAINTING	30-30 NORTHERN BLVD	RCRA NonGen / NLR, FINDS, ECHO	Lower	693, 0.131, South
L147	RED D MANAGEMENT	40-40 CRESCENT STREE	NY UST	Higher	696, 0.132, NW
L148	CLOSED-LACKOF RECENT	40-40 CRESCENT ST	NY LTANKS	Higher	696, 0.132, NW
I149	CLOSED-LACKOF RECENT	29024 40TH AVENUE	NY LTANKS	Lower	697, 0.132, ENE
M150	NYNEX	NORTHERN BLVD & QUEE	NY MANIFEST	Lower	701, 0.133, South
M151	JACKSON CORNERS GENE	RD 1 BOX 249 JACKSON	NY UST	Lower	705, 0.134, South
P152	GOTHAM CENTER TOWER	42-01 28TH STREET	RCRA-LQG, NY MANIFEST, NJ MANIFEST	Lower	712, 0.135, SW
L153	COSMOCAR INC	40-34 CRESCENT ST	RCRA-SQG, NY MANIFEST, NJ MANIFEST	Higher	716, 0.136, NW
M154	NYCT - QUEENS PLAZA	JACKSON AVE & QUEENS	RCRA-LQG, NJ MANIFEST	Lower	722, 0.137, South
P155	TWO GOTHAM CENTER	42-09 28TH ST	NY AST	Lower	726, 0.138, SW
M156	MTA NYCT	JACKSON AVE & QUEENS	RCRA NonGen / NLR, NY MANIFEST	Lower	728, 0.138, South

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M157	NYC MTA	JACKSON AVE WB & QUE	RCRA NonGen / NLR, NJ MANIFEST, NY MANIFEST	Lower	728, 0.138, South
Q158	SURREY CADILLAC LIMO	41-38 CRESCENT STREE	NY UST	Lower	729, 0.138, West
Q159	PACKARD SQUARE	41-34 CRESCENT STREE	NY AST	Lower	731, 0.138, WNW
R160	CLOSED-LACKOF RECENT	39038 29TH ST.	NY LTANKS	Higher	740, 0.140, NE
R161	ST. PATRICK R.C. CHU	39-38 29TH STREET	NY AST	Higher	745, 0.141, NE
R162	ST. PATRICK R.C. CHU	39-38 29TH STREET	NY UST	Higher	745, 0.141, NE
R163	CHURCH	39-38 29TH STREET	NY LTANKS	Higher	745, 0.141, NE
L164	CON EDISON	F/O 24-11 41 AV	NY MANIFEST	Lower	745, 0.141, NW
S165	CARRICK SERVICE CORP	30-19 NORTHERN BLVD	NY UST	Lower	758, 0.144, ENE
S166	NYCTA	30-19 NORTHERN BLVD	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	758, 0.144, ENE
T167	40-05 CRESCENT	40-05 CRESCENT STREE	NY UST	Higher	759, 0.144, North
T168	CRESCENT OWNERS LLC	40-05 CRESCENT ST	RCRA NonGen / NLR	Higher	759, 0.144, North
T169	CRESCENT OWNERS LLC	40-05 CRESCENT ST	NY MANIFEST	Higher	759, 0.144, North
P170	CON EDISON	FO 42-12 28 ST	NY MANIFEST	Lower	770, 0.146, SW
P171	CON EDISON	42-12 28TH ST	NJ MANIFEST	Lower	770, 0.146, SW
P172	CON EDISON	42-12 28TH ST	RCRA NonGen / NLR	Lower	770, 0.146, SW
P173	CON EDISON	42-12 28TH ST	NY MANIFEST	Lower	770, 0.146, SW
T174	CK1 PROCLEANERS	40-18 CRESCENT ST	NY DRYCLEANERS	Higher	778, 0.147, NNW
T175	WHOLE SALE DRY CLEAN	40-18 CRESCENT ST	NY MANIFEST	Higher	778, 0.147, NNW
T176	WHOLE SALE DRY CLEAN	40-18 CRESCENT ST	RCRA NonGen / NLR	Higher	778, 0.147, NNW
S177	FORMER UNION WIRE DI	39-40 30TH STREET	NY BROWNFIELDS	Lower	780, 0.148, ENE
S178	FORMER UNION WIRE DI	39-40 30TH STREET	NY ENG CONTROLS, NY INST CONTROL, NY BROWNFIELDS	Lower	780, 0.148, ENE
S179	FORMER UNION WIRE DI	39-40 30TH STREET	NY UST	Lower	780, 0.148, ENE
S180	FORMER UNION WIRE DI	39-40 30TH ST	RCRA-LQG	Lower	780, 0.148, ENE
S181	FORMER UNION WIRE DI	39-40 30TH STREET	NY AST	Lower	780, 0.148, ENE
T182	CON EDISION - TRF 06	40 AVE N 37‘ W CRESC	RCRA NonGen / NLR, NY MANIFEST	Higher	781, 0.148, NNW
K183	CON EDISON - TRANSFO	29-76 NORTHERN BLVD	RCRA-LQG	Lower	784, 0.148, ESE
K184	CON EDISON	29-76 NORTHERN BLVD	NY MANIFEST	Lower	784, 0.148, ESE
K185	QUEENS IRON WORK & S	29-76 NORTHERN BLVD	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	784, 0.148, ESE
K186	29-76 REALTY CO	29-76 NORTHERN BLVD	NY AST	Lower	784, 0.148, ESE
K187	CON EDISON - TRANSFO	29-76 NORTHERN BLVD	NJ MANIFEST	Lower	784, 0.148, ESE
P188	28-10 QUEENS PLAZA S	28-10 QUEENS PLAZA S	NY UST	Lower	788, 0.149, SSW
Q189	EVANS CONSTRUCTION C	24-15 QUEENS PLAZA N	NY UST, NY AST	Lower	791, 0.150, West
T190	CARLDAN ENTERPRISES	40-16 CRESCENT STREE	NY AST	Higher	796, 0.151, NNW
Q191	CON EDISON	24-19 QUEENS PLAZA N	NY MANIFEST	Lower	799, 0.151, West
Q192	CON EDISON	24-19 QUEENS PLZ N	NY MANIFEST	Lower	799, 0.151, West
Q193	CON EDISON - MANHOLE	24-19 QUEENS PLZ N	RCRA-LQG	Lower	799, 0.151, West
L194	APRT	2403 41ST AVE	NY LTANKS	Lower	817, 0.155, NW
L195	24-03 41ST AVE	24-03 41ST AVE	NY LTANKS, NY UST	Lower	819, 0.155, NW

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Q196	PACKARD SQUARE NO. 3	41-21 24TH STREET	NY AST	Lower	847, 0.160, WNW
L197	QUEENBORO CLEANERS	40-35 24TH ST	RCRA NonGen / NLR, NY MANIFEST	Higher	848, 0.161, NW
L198	PARISHVILLE	56 RIVER HOUSE DR	RCRA-VSQG, FINDS, ECHO, NY MANIFEST	Higher	848, 0.161, NW
L199	QUEENS BORO CLEANERS	40-35 24TH STREET	NY DRYCLEANERS	Higher	848, 0.161, NW
Q200	PACKARD SQUARE WEST	41-29 24TH ST	NY AST	Lower	858, 0.162, WNW
U201	NYS DEC - FRESH CLEA	39-26 30TH ST	PA MANIFEST	Lower	871, 0.165, NE
V202	QUEENS PLAZA RESIDEN	28-34 JACKSON AVENUE	NY UST	Lower	872, 0.165, SSW
V203	QUEENS PLAZA RESIDEN	28-34 JACKSON AVENUE	NY CBS	Lower	872, 0.165, SSW
V204	QUEENS PLAZA RESIDEN	28-34 JACKSON AVENUE	NY UST	Lower	872, 0.165, SSW
V205	QUEENS PLAZA RESIDEN	28-34 JACKSON AVENUE	NY UST	Lower	872, 0.165, SSW
P206	STAR JOURNAL BUILDIN	42-26 28TH STREET	NY AST	Lower	872, 0.165, SW
W207	COMMERCIAL BUILDING	40-23 24TH ST'	NY LTANKS	Higher	877, 0.166, NNW
Q208	CON EDISON SERVICE B	41-39 24TH ST	RCRA NonGen / NLR, NY MANIFEST	Lower	884, 0.167, WNW
V209	QUEENS PLAZA RESIDEN	28-30 JACKSON AVENUE	NY BROWNFIELDS	Lower	886, 0.168, SSW
U210	CITY WIDE CLEANERS	39-28 30TH STREET	NY DRYCLEANERS	Lower	893, 0.169, NE
S211	ALERT GARAGE COPR	30-17 40TH AVE	NY CBS, NY AST	Lower	898, 0.170, ENE
S212	LIC TAXI SITE	30-17 40TH AVE	RCRA-LQG, FINDS, ECHO	Lower	898, 0.170, ENE
S213	LIC TAXI SITE	30-17 40TH AVE	NY MANIFEST	Lower	898, 0.170, ENE
S214	TALLY LEASING CORP	30-17 40TH AVE	RCRA NonGen / NLR	Lower	898, 0.170, ENE
S215	ALERT GARAGE CORP	30-17 40TH AVENUE	NY UST	Lower	898, 0.170, ENE
X216	ROSENWACH TANK CO LL	40-25 CRESCENT ST	RCRA-SQG, NY MANIFEST, NJ MANIFEST	Lower	900, 0.170, WSW
U217	QUEENS BORO CLEANERS	39-26 30TH ST	NY AIRS, NY DRYCLEANERS	Lower	911, 0.173, NE
U218	BRIDGE CLEANERS	39-26 30TH ST	NY MANIFEST	Lower	911, 0.173, NE
U219	FRESH CLEANERS & LAU	39-26 30TH ST	RCRA-SQG, NY SHWS, NY ENG CONTROLS, NY INST...	Lower	911, 0.173, NE
X220	42-15 CRESENT ST	42-15 CRESCENT STREE	NY UST	Lower	921, 0.174, WSW
X221	42-15 CRESENT ST	42-15 CRESCENT STREE	NY AST	Lower	921, 0.174, WSW
Y222	CON EDISON	41-08 24TH ST	NY MANIFEST	Lower	932, 0.177, WNW
Y223	CON EDISON	41-08 24TH ST	NY MANIFEST	Lower	932, 0.177, WNW
V224	OUTLET CITY INC	42-16 WEST ST	RCRA-VSQG, NY LTANKS, NY Spills, FINDS, ECHO, NY...	Lower	934, 0.177, South
V225	OUTLET CITY INC	42-16 WEST ST	NY UST	Lower	934, 0.177, South
V226	MTA NYCT - JACKSON &	28-20 JACKSON AVE	RCRA-VSQG, FINDS, ECHO, NY MANIFEST, NJ MANIFEST	Lower	937, 0.177, SSW
X227	KOREA NEWS	42-22 27TH ST	RCRA-SQG, FINDS, ECHO, NY MANIFEST	Lower	941, 0.178, WSW
S228	CON EDISON MANHOLE:	NORTHERN BLVD & 40TH	RCRA NonGen / NLR, NY MANIFEST	Lower	945, 0.179, ENE
Y229	CON EDISON	F/O 41-12 24TH ST	NY MANIFEST	Lower	949, 0.180, WNW
W230	40-44 24TH STREET	40-44 24TH STREET	NY AST	Lower	949, 0.180, NW
W231	40-44 24TH STREET	40-44 24TH STREET	NY UST	Lower	949, 0.180, NW
Y232	LIC 41-48 24TH ST. L	41-18 24TH STREET	NY UST	Lower	953, 0.180, WNW
S233	BENIGNO FERNANEZ (P	31-01 NORTHERN BLVD	NY LTANKS, NY UST	Lower	955, 0.181, ENE
Y234	CON EDISON SERVICE B	41-30 24TH ST	RCRA NonGen / NLR, NY MANIFEST	Lower	963, 0.182, WNW

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V235	LIC DEVELOPMENT OWNE	28-10 JACKSON AVE	NY MANIFEST	Lower	971, 0.184, SSW
V236	QUEENS PLAZA RESIDEN	28-10 JACKSON AVENUE	NY BROWNFIELDS, NY Spills	Lower	971, 0.184, SSW
V237	QUEENS PLAZA RESIDEN	28-10 JACKSON AVE	RCRA-LQG	Lower	971, 0.184, SSW
V238	QUEENS PLAZA RESIDEN	28-10 JACKSON AVENUE	NY UST	Lower	971, 0.184, SSW
T239	LIC FACILITY - MSKCC	39-40 CRESCENT STREE	NY AST	Higher	982, 0.186, North
X240	VERDERAME CONSTRUCTI	24-16 QUEENS PLZ S V	RCRA NonGen / NLR, FINDS, ECHO	Lower	986, 0.187, West
X241	24-16 QUEENS PLAZA S	24-16 QUEENS PLAZA S	NY AST	Lower	986, 0.187, West
V242	QUEENS PLAZA RESIDEN	28-02 JACKSON AVENUE	NY BROWNFIELDS	Lower	992, 0.188, SSW
V243	QUEENS PLAZA RESIDEN	28-02 JACKSON AVENUE	NY BROWNFIELDS	Lower	992, 0.188, SSW
Z244	NORTH EQUITIES INCOR	30-30 NORTHERN BOULE	NY AST	Lower	993, 0.188, East
Z245	GORDON-GRUENSTEIN IN	30-30 NORTHERN BLVD	RCRA NonGen / NLR, FINDS, ECHO	Lower	993, 0.188, East
AA246	CON EDISON SERVICE B	24TH ST & QUEENS PLA	RCRA NonGen / NLR, NY MANIFEST	Lower	994, 0.188, West
X247	CON EDISON	42-06 CRESCENT ST	NY MANIFEST	Lower	994, 0.188, WSW
AB248	NYSDEC REGION2 SPILL	27TH ST & 42ND RD	NY MANIFEST	Lower	999, 0.189, WSW
AB249	NYSDEC REGION2 SPILL	27TH ST & 42ND RD	RCRA NonGen / NLR, FINDS, ECHO	Lower	999, 0.189, WSW
AA250	41-50 24TH ST	41-50 24TH STREET	NY UST	Lower	1001, 0.190, WNW
AA251	CON EDISON SERVICE B	41-50 24TH ST	RCRA NonGen / NLR, NY MANIFEST	Lower	1001, 0.190, WNW
AC252	J BROTHERS AUTO BODY	28-20 42ND RD	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	1002, 0.190, SSW
AB253	ANOCA PLATING SERVIC	27-04 42ND RD	RCRA NonGen / NLR, FINDS, ECHO	Lower	1021, 0.193, SW
U254	CON EDISON	39-06 30TH ST	NY MANIFEST	Higher	1035, 0.196, NE
X255	KRK EXPEDITING CO IN	42-21 CRESCENT ST	NY UST	Lower	1038, 0.197, WSW
AD256	EVANGEL CHURCH & SCH	39-21 CRESCENT STREE	NY UST	Higher	1039, 0.197, North
Z257	MAACO AUTO PAINTING	31-02 NORTHERN BLVD	RCRA NonGen / NLR, US AIRS, FINDS, NY MANIFEST	Lower	1049, 0.199, East
AE258	CON EDISON - TRANSFO	24TH ST & 40TH AVE	NJ MANIFEST	Lower	1059, 0.201, NNW
AE259	CON EDISON - TRANSFO	24TH ST & 40TH AVE	RCRA-LQG	Lower	1059, 0.201, NNW
AE260	CON ED	24TH ST & 40TH AVE	NY MANIFEST	Lower	1059, 0.201, NNW
V261	OUTLET CITY, QUEENS	QUEENS BLVD. & JACKS	NY VCP	Lower	1059, 0.201, South
Y262	23-01 41ST AVENUE	23-01 41ST AVENUE	NY VCP	Lower	1061, 0.201, NW
Y263	HIMALAYAN GAS INC.	23-01 41ST AVENUE	NY UST	Lower	1061, 0.201, NW
Y264	MONICA GAS ENTERPRIS	2301 41ST AVE	NY MANIFEST	Lower	1061, 0.201, NW
Y265	MONICA GAS ENTERPRIS	2301 41ST AVE	RCRA NonGen / NLR, FINDS, ECHO	Lower	1061, 0.201, NW
Y266	QUEENS BORO AUTOBODY	23-01 41ST AVENUE	NY AST	Lower	1061, 0.201, NW
Y267	GULF MOKIN GAS	23-01 41ST AVE	NY LTANKS, NY Spills	Lower	1061, 0.201, NW
AC268	CON EDISON - MANHOLE	42ND RD & JACKSON AV	NJ MANIFEST	Lower	1064, 0.202, SSW
AC269	CON EDISON	42ND RD & JACKSON AV	RCRA NonGen / NLR, FINDS, ECHO	Lower	1064, 0.202, SSW
AC270	CON EDISON - MANHOLE	42ND RD & JACKSON AV	RCRA-LQG	Lower	1064, 0.202, SSW
AC271	CON EDISON	42ND RD & JACKSON AV	NY MANIFEST	Lower	1064, 0.202, SSW
AC272	CON EDISON	42 RD & JACKSON AVE	NJ MANIFEST	Lower	1064, 0.202, SSW
X273	APEX TECHNICAL SCHOO	24-02 QUEENS PLAZA S	NJ MANIFEST	Lower	1067, 0.202, West

MAPPED SITES SUMMARY

Target Property Address:
2812 41ST AVENUE
LONG ISLAND CITY, NY 11101

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
X274	APEX TECHNICAL SCHOO	24-02 QUEENS PLAZA S	RCRA-VSQG, NY MANIFEST	Lower	1067, 0.202, West
Y275	QAZI TOWING	41-01 23RD STREET	NY UST	Lower	1070, 0.203, NW
Y276	QAZI TOWING	41-01 23RD STREET	NY AST	Lower	1070, 0.203, NW
X277	ELECTRIC REALTY CO,	24-02 BRIDGE PLAZA S	NY UST	Lower	1090, 0.206, West
AB278	42-64 HUNTER STREET	42-64 HUNTER STREET	NY LTANKS	Lower	1101, 0.209, SW
AF279	KONSTANDT LABS	27-14 39TH AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	1104, 0.209, NNE
AF280	NATIONAL TESTING LAB	27-14 39TH AVE - STO	RCRA NonGen / NLR, NY MANIFEST	Higher	1104, 0.209, NNE
W281	RELAX AUTO	40-23 23RD STREET	NY AST	Lower	1113, 0.211, NW
AF282	CALLIOPI LAMBADIS	27-08 39 AVE	NY AST	Higher	1115, 0.211, NNE
Z283	31-02 NORTHERN BLVD.	31-02 NORTHERN BOULE	NY UST	Lower	1115, 0.211, East
Z284	MAACO AUTO PAINTING	NORTHERN BLVD	NY MANIFEST	Lower	1115, 0.211, East
Z285	MAACO AUTO PAINTING	NORTHERN BLVD	RCRA-VSQG, NJ MANIFEST	Lower	1115, 0.211, East
AC286	KENT BRAGALINE INC	27-45 JACKSON AVE	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	1127, 0.213, SW
X287	CON EDISON	FRONT 42-24 CRESENT	NY MANIFEST	Lower	1129, 0.214, WSW
Y288	MTA NYCT 23RD STREET	23RD ST & 41ST AVE	RCRA-SQG, NY MANIFEST	Lower	1137, 0.215, NW
Y289	MTA NYCT 23RD STREET	23RD ST & 41ST AVE	NJ MANIFEST	Lower	1137, 0.215, NW
Y290	CON EDISON - SERVICE	23 ST & 41 AVE	NY MANIFEST	Lower	1137, 0.215, NW
AG291	ADRIA MOTORS AUTO RE	40-19 23RD STREET	NY AST	Lower	1150, 0.218, NW
AH292	BURNHAM PRODUCTS COR	42-24 ORCHARD ST	RCRA NonGen / NLR, NY MANIFEST	Lower	1152, 0.218, SSW
AH293	CON EDISON	42-24 ORCHARD ST	RCRA NonGen / NLR	Lower	1152, 0.218, SSW
AH294	CON EDISON	4224 ORCHARD ST	RCRA-LQG	Lower	1152, 0.218, SSW
AH295	CON EDISON - TRANSFO	42-24 ORCHARD ST	RCRA-LQG	Lower	1152, 0.218, SSW
AH296	CON EDISON	4224 ORCHARD ST	NY MANIFEST	Lower	1152, 0.218, SSW
AH297	CON EDISON - TRANSFO	42-24 ORCHARD ST	NY MANIFEST	Lower	1152, 0.218, SSW
AD298	39-31 24TH ST	39-31 24TH STREET	NY AST	Lower	1170, 0.222, North
AB299	BAGWIN BROTHERS SERV	42-37 CRESCENT STREE	NY UST	Lower	1185, 0.224, WSW
AF300	CON EDISON	27TH ST & 39TH AVE 2	RCRA NonGen / NLR, FINDS, ECHO	Higher	1203, 0.228, NNE
AF301	CON EDISON	27TH ST & 39TH AVE	NY MANIFEST	Higher	1206, 0.228, NNE
AH302	QUEENS PLAZA RESIDEN	28-02/28-30 JACKSON	NY BROWNFIELDS	Lower	1211, 0.229, South
AI303	MELNICH REALTY CO.	29-05 39TH AVENUE	NY AST	Higher	1213, 0.230, NE
AC304	CON EDISON MANHOLE:	QUEENS ST & JACKSON	RCRA NonGen / NLR, NY MANIFEST	Lower	1222, 0.231, SSW
AD305	39-23 REALTY LLC	39-23 24TH STREET	NY AST	Lower	1231, 0.233, North
AJ306	CON EDISON	24-04 42ND RD	RCRA NonGen / NLR	Lower	1236, 0.234, WSW
AJ307	CON ED	24-04 42ND RD OPP	NY MANIFEST	Lower	1236, 0.234, WSW
AJ308	CON EDISON	24-04 42ND RD OPP	NJ MANIFEST	Lower	1236, 0.234, WSW
AK309	COOPER WIRING DEVICE	23-10 QUEENS PLAZA S	RCRA-SQG, NY MANIFEST	Lower	1239, 0.235, West
AK310	23-10 QUEENS PLAZA S	23-10 QUEENS PLAZA S	NY UST	Lower	1239, 0.235, West
AK311	23-10 QUEENS PLAZA S	23-10 QUEENS PLAZA S	NY MANIFEST	Lower	1239, 0.235, West
AK312	QUEENS PLAZA S DEVEL	23-10 QUEENS PLAZA S	RCRA NonGen / NLR	Lower	1239, 0.235, West

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
AK313	MTA NYCTA FLUSHING L	2310 QUEENS PLAZA S	RCRA NonGen / NLR, NJ MANIFEST, NY MANIFEST	Lower	1239, 0.235, West
AK314	23-10 QUEENS PLAZA S	23-10 QUEENS PLAZA S	NY AST, NY ENG CONTROLS, NY INST CONTROL, NY...	Lower	1239, 0.235, West
AJ315	EPPY PLATING	42-40 CRESCENT ST	RCRA NonGen / NLR	Lower	1241, 0.235, WSW
AI316	20 FAMILY APT. HOUSE	38-32 29TH STREET	NY AST	Higher	1253, 0.237, NE
AF317	CON ED	38-33 28TH ST	NY MANIFEST	Higher	1261, 0.239, NNE
AF318	CON EDISON	38-33 28TH ST	RCRA NonGen / NLR	Higher	1261, 0.239, NNE
AF319	CON EDISON	38-33 28TH ST	NJ MANIFEST	Higher	1261, 0.239, NNE
320	AUDAX CONSTRUCTION C	31-08 NORTHERN BOULE	NY UST	Lower	1261, 0.239, East
AH321	CON EDISON	42-02 QUEENS PLAZA S	NY MANIFEST	Lower	1262, 0.239, SSW
AH322	CON EDISON	42-02 QUEENS PLAZA S	RCRA NonGen / NLR	Lower	1262, 0.239, SSW
AH323	EXXON-MOBIL	42-02 QUEENS BLVD	NY LTANKS, NY Spills	Lower	1262, 0.239, SSW
AH324	CON EDISON	42-02 QUEENS PLAZA S	NJ MANIFEST	Lower	1262, 0.239, SSW
AL325	CON EDISON	27-35 JACKSON AVE	NY E DESIGNATION, NY MANIFEST	Lower	1267, 0.240, SW
AG326	LONDON TOWNCARS,INC	40-14 23RD STREET	NY UST, NY AST	Lower	1272, 0.241, NW
AL327	27-35 JACKSON AVENUE	27-35 JACKSON AVE	NY AST	Lower	1275, 0.241, SW
AM328	PETROCELLI ELECTRIC	22-09 BRIDGE PLAZA N	NY UST	Lower	1280, 0.242, WNW
AJ329	CON ED - V 7677	W/S 24 ST/42 RD	RCRA NonGen / NLR, NY MANIFEST	Lower	1283, 0.243, WSW
AN330	MTA NYCT - 39TH AVEN	39TH AVE & 31ST ST	PA MANIFEST	Lower	1310, 0.248, ENE
AN331	MTA NYCT - 39TH AVEN	39TH AVE & 31ST ST	RCRA-SQG, FINDS, ECHO, NY MANIFEST	Lower	1310, 0.248, ENE
AO332	DOUBLE E PLATING CO	22-07 41ST AVE	RCRA-LQG, NY ENG CONTROLS, NY INST CONTROL, NY...	Lower	1313, 0.249, NW
AO333	DOUBLE E PLATING CO	22-07 41ST AVE	NY MANIFEST	Lower	1313, 0.249, NW
AO334	HYGRADE POLISHING &	22-07 41ST AVE	RCRA NonGen / NLR	Lower	1313, 0.249, NW
AO335	FORMER HYGRADE POLIS	22-07 41ST AVENUE	NY BROWNFIELDS	Lower	1313, 0.249, NW
AG336	22-14 40TH AVENUE	22-14 40TH AVENUE	NY AST	Lower	1317, 0.249, NNW
AG337	WALKER E WHYTE INC	22-14 40TH AVE	RCRA-SQG, FINDS, ECHO, NY MANIFEST	Lower	1317, 0.249, NNW
AF338	ABANDONED BLDG	38-28 28TH ST	NY LTANKS	Higher	1326, 0.251, NNE
AK339	23-01 42ND ROAD	23-01 42ND ROAD	NY ENG CONTROLS, NY INST CONTROL, NY BROWNFIELDS	Lower	1328, 0.252, West
AM340	22-09 QUEENS PLAZA N	22-09 QUEENS PLAZA N	NY BROWNFIELDS	Lower	1338, 0.253, WNW
341	38-31 CRESCENT ST	38-31 CRESCENT ST	NY LTANKS	Higher	1374, 0.260, North
AL342	27-01 JACKSON AVENUE	27-01 JACKSON AVENUE	NY BROWNFIELDS	Lower	1499, 0.284, SW
AP343	MID TOWN OPERATING C	42-50 24TH ST	NY LTANKS	Lower	1557, 0.295, WSW
AP344	QUEENS PLAZA TAXI	42-50 24TH STREET	NY BROWNFIELDS	Lower	1557, 0.295, WSW
345	AMTRAK SUNNYSIDE YAR	39-29 HONEYWELL STRE	NY SHWS, NY LTANKS, NY TANKS, NY Spills	Lower	1565, 0.296, East
AQ346	26-32 JACKSON AVENUE	26-32 JACKSON AVENUE	NY BROWNFIELDS	Lower	1602, 0.303, SW
347	RESIDENTS	43-09 HUNTERS STREET	NY LTANKS, NY Spills	Lower	1659, 0.314, SW
348	107 WEST 38TH REALTY	3328 NORTHERN BLVD	NY LTANKS	Lower	1730, 0.328, East
349	MANHOLE 14413	QUEENS PLAZA NORTH	NY LTANKS, NY Spills	Lower	1835, 0.348, WNW
AQ350	PURVES STREET DEVELO	44-18 PURVES STREET	NY INST CONTROL, NY BROWNFIELDS	Lower	1839, 0.348, SW
AQ351	PURVES STREET DEVELO	44-18 PURVES STREET	NY ENG CONTROLS	Lower	1839, 0.348, SW

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
AR352	31/32 LIC LLC	37-29 31ST STREET	NY BROWNFIELDS	Higher	1924, 0.364, NE
AR353	31/32 LIC LLC - OFF-	37-29 31ST STREET	NY BROWNFIELDS	Higher	1924, 0.364, NE
AS354	44-30 PURVES STREET	44-30 PURVES STREET	NY ENG CONTROLS	Lower	1925, 0.365, SSW
AS355	44-30 PURVES STREET	44-30 PURVES STREET	NY INST CONTROL, NY BROWNFIELDS	Lower	1925, 0.365, SSW
356	39-15 21ST STREET	39-15 21ST STREET	NY LTANKS	Lower	1937, 0.367, NNW
AT357	QUEENS BLVD PETROLEU	31-05 QUEENS BOULEVA	NY LTANKS, NY UST, NY AST, NY Spills	Higher	1949, 0.369, SSE
AT358	GETTY S/S #344 - GET	31-05 QUEENS BLVD	NY LTANKS, NY Spills	Higher	1949, 0.369, SSE
AU359	37-23 CRESCENT AVENU	37-23 CRESCENT AVENU	NY LTANKS	Higher	1958, 0.371, NNE
AV360	PRIVATE HOME	3251 38TH STREET	NY LTANKS	Lower	1983, 0.376, ENE
AW361	37-11 30TH STREET	37-11 30TH STREET AN	NY BROWNFIELDS	Higher	1989, 0.377, NE
AW362	SEE FACTOR INDUSTRY	37-11 30TH ST	NY LTANKS	Higher	1989, 0.377, NE
363	AMOCO SERVICE STATIO	34-17 NORTHERN BLVD	NY LTANKS, NY Spills	Lower	2041, 0.387, East
364	UNDERGROUND LINE	27-10 37TH AVE	NY LTANKS, NY Spills	Higher	2087, 0.395, NNE
AX365	32-00 SKILLMAN AVE	32-00 SKILLMAN AVE	NY LTANKS	Lower	2099, 0.398, SE
AX366	SWINGSTELL, LLC	32-00 SKILLMAN AVENU	NY UST, NY AST, NY BROWNFIELDS	Lower	2103, 0.398, SE
AX367	FORMERLY ACCO BRANDS	32-00 SKILLMAN AVENU	NY LTANKS, NY VCP, NY Spills	Lower	2103, 0.398, SE
AY368	MOTOR AND IRON WORKS	37-21 32ND STREET	NY SHWS, NY Spills	Higher	2123, 0.402, ENE
AV369	CLOSED-LACKOF RECENT	37-14 33RD STREET	NY LTANKS	Higher	2151, 0.407, ENE
AZ370	37-24 24TH ST/QUEENS	37-24 24TH STREET	NY LTANKS	Lower	2200, 0.417, North
AZ371	JUNG SUN LAUNDRY COR	37-10 24TH STREET	NY SHWS, NY DRYCLEANERS	Lower	2209, 0.418, North
AU372	SPILL NUMBER 0005416	CRESCENT ST/37TH AV	NY LTANKS	Lower	2222, 0.421, NNE
BA373	PS #112	25-05 37TH AVE	NY LTANKS	Lower	2238, 0.424, NNE
374	BEST-DDK CLEANERS	38-68 13TH STREET	NY SHWS	Lower	2239, 0.424, NNW
BB375	THE WILLS BUILDING	43-01 21ST STREET	NY ENG CONTROLS	Lower	2242, 0.425, West
BB376	THE WILLS BUILDING	43-01 21ST STREET	NY SHWS, NY INST CONTROL, NY BROWNFIELDS	Lower	2242, 0.425, West
AY377	32-10 37TH AV	32-10 37TH AVE	NY LTANKS	Higher	2259, 0.428, ENE
BC378	QUEENSBRIDGE PLANT B	41001 12TH STREET	NY LTANKS	Lower	2269, 0.430, WNW
BD379	QUEENSBRIDGE PLANT B	40001 12TH ST	NY LTANKS	Lower	2273, 0.430, NW
BD380	QUEENSBRIDGE PLANT A	40013 12TH STREET	NY LTANKS	Lower	2273, 0.430, NW
BC381	41ST AVENUE & 12ST S	41ST AVE/12TH STREET	NY LTANKS	Lower	2281, 0.432, NW
382	37-18 34TH STREET	37-18 34TH STREET	NY LTANKS	Lower	2299, 0.435, ENE
AX383	43-41 32ND PLACE	43-41 32ND PLACE	NY LTANKS	Higher	2329, 0.441, SE
384	32-32 QUEENS BLVD	32-32 QUEENS BLVD	NY LTANKS	Lower	2329, 0.441, SSE
385	LAGUARDIA COMM COLLE	31-10 THOMSON AVE	NY LTANKS	Lower	2330, 0.441, SSE
BA386	AROON SUKRANICHANNE	36-46 CRESCENT STREE	NY LTANKS	Lower	2334, 0.442, NNE
AY387	32-15 37TH AVE	32-15 37TH AVE	NY LTANKS	Higher	2336, 0.442, ENE
BE388	WILSON HANLEY, INC.	21-11 44TH AVENUE	NY SHWS, NY AST	Lower	2368, 0.448, WSW
389	CLOSED-LACKOF RECENT	35-02 NORTHERN BLVD	NY LTANKS	Lower	2413, 0.457, East
BE390	QUEENS MEDALLION LEA	21-03 44TH AVENUE	NY SHWS, NY ENG CONTROLS, NY INST CONTROL, NY...	Lower	2449, 0.464, WSW

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391	CITY USED AUTO CENTE	37-25 21ST STREET	NY SWF/LF, NY Spills	Lower	2452, 0.464, North
392	COURT PLAZA	5 COURT SQUARE	NY LTANKS	Lower	2477, 0.469, SW
BE393	CONDEA SUPPLY CORP	21-21 44TH RD	NY LTANKS	Lower	2485, 0.471, WSW
394	DOT RELOCATION SITE	38-21 12TH STREET	NY BROWNFIELDS	Lower	2505, 0.474, NNW
395	21-16 44TH ROAD , LI	21-16 44TH ROAD	NY ENG CONTROLS, NY INST CONTROL, NY VCP, NY...	Lower	2522, 0.478, WSW
396	32-32 QUEENS BLVD/SU	32-32 QUEENS BLVD	NY LTANKS	Lower	2602, 0.493, SSE
397	SILVER STAR AUTO RES	37-14 36TH STREET	NY UST, NY AST, NY INST CONTROL, NY BROWNFIELDS,...	Lower	2605, 0.493, East
398	38-21 12TH ST/QUEENS	38-21 12TH ST.	NY LTANKS	Lower	2606, 0.494, NNW
399	STANDARD MOTOR PRODU	37-18 NORTHERN BLVD	RCRA-SQG, NY SHWS, NY LTANKS, NY CBS, NY VCP, NY...	Lower	3034, 0.575, East
400	NATIONAL RUBBER & BA	38-31 9TH ST	NY SHWS, NY LTANKS, NY CBS, NY VCP, RCRA NonGen /...	Lower	3130, 0.593, NW
BF401	LEVCO METALS	34-11 36TH STREET	NY SHWS, NY AST, NY INST CONTROL, NY VCP, NY...	Higher	3229, 0.612, ENE
BF402	TEITELBAUM DRY CLEAN	35-45 35TH ST	NY SHWS, NY BROWNFIELDS, RCRA NonGen / NLR, ICIS,...	Higher	3419, 0.648, ENE
403	RAVENSWOOD PCB STORA	40TH AVE & VERNON BL	CORRACTS, RCRA-LQG, PADS	Lower	3473, 0.658, NW
404	NAVAL SHIPYARD QUEEN		FUDS	Lower	3515, 0.666, NNW
405	ARCH STREET YARDS (L	ARCH STREET AND JACK	NY SHWS, NY VCP	Lower	3717, 0.704, SW
406	WHITE SUN CLEANERS	47-38 34TH STREET	NY SHWS	Higher	3809, 0.721, SSE
407	27-10 49TH AVENUE-OE	27-10 49TH AVENUE	NY SHWS	Lower	3826, 0.725, SSW
408	RAVENSWOOD GENERATIN	38-54 VERNON BLVD.	NY SHWS, NY LTANKS, NY MOSF UST, NY CBS, NY MOSF,...	Lower	3923, 0.743, NW
409	34-14 31ST STREET	34-14 31ST STREET	NY SHWS	Higher	3992, 0.756, NE
BG410	ARMY PICTURIAL CEN		FUDS	Higher	4012, 0.760, ENE
BG411	FORMER LUFT CO. INC.	34-12 36TH AVENUE	NY SHWS, NY Spills	Higher	4118, 0.780, ENE
412	OCONNER CAPITAL PART	5-36 46TH ROAD	CORRACTS, RCRA-LQG, RAATS, ICIS	Lower	4898, 0.928, WSW
413	QUEENS WEST - NORTH	46-00 FIFTH STREET	NY SHWS	Lower	5024, 0.952, WSW
414	ACTIVE STEEL DRUM CO	52-30 34TH ST	CORRACTS, RCRA NonGen / NLR, FINDS, ECHO, NY...	Lower	5197, 0.984, South

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
NEW YORK/MAX JDJ CLE 2812 41ST AVENUE LI CITY, NY 11101	NY DRYCLEANERS Facility Id: 2-6304-01605	N/A
MAX CLEANERS INC 2812 41ST AVE LONG ISLAND CITY, NY 11101	EDR Hist Cleaner	N/A

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

Federal RCRA CORRACTS facilities list

CORRACTS: A review of the CORRACTS list, as provided by EDR, and dated 12/14/2020 has revealed that there are 3 CORRACTS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RAVENSWOOD PCB STORA EPA ID:: NYD003917960	***40TH AVE & VERNON BL***	***NW 1/2 - 1 (0.658 mi.)***	***403***	***104***
OCONNER CAPITAL PART EPA ID:: NYD001264191	***5-36 46TH ROAD***	***WSW 1/2 - 1 (0.928 mi.)***	***412***	***107***
ACTIVE STEEL DRUM CO EPA ID:: NYD003933355	***52-30 34TH ST***	***S 1/2 - 1 (0.984 mi.)***	***414***	***107***

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-LQG: A review of the RCRA-LQG list, as provided by EDR, and dated 12/14/2020 has revealed that there are 18 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NYC DEPT OF EDUCATIO EPA ID:: NYR000237461	40-11 28TH ST	NNE 0 - 1/8 (0.059 mi.)	E29	13

Lower Elevation	Address	Direction / Distance	Map ID	Page
PS 153 M SCHOOL EPA ID:: NYR000003830	***1750 AMSTERDAM AVE***	***SSW 0 - 1/8 (0.066 mi.)***	***D40***	***16***
NYC BOARD OF EDUCATI EPA ID:: NYD987013588	***28-11 QUEENS PLZ N***	***SSW 0 - 1/8 (0.066 mi.)***	***D41***	***16***
QUEENS PLAZA NORTH EPA ID:: NYR000230581	2937 QUEENS PLAZA NO	SE 0 - 1/8 (0.095 mi.)	C73	23
MTA- EAST SIDE ACCES EPA ID:: NYR000112896	***29-54 NORTHERN BLVD***	***SE 0 - 1/8 (0.105 mi.)***	***J97***	***29***
MTA- EAST SIDE ACCES EPA ID:: NYR000200188	***29-85 NORTHERN BLVD***	***ESE 0 - 1/8 (0.108 mi.)***	***K102***	***30***
GOTHAM CENTER TOWER EPA ID:: NYR000161406	***42-01 28TH STREET***	***SW 1/8 - 1/4 (0.135 mi.)***	***P152***	***41***
NYCT - QUEENS PLAZA EPA ID:: NYD987021482	***JACKSON AVE & QUEENS***	***S 1/8 - 1/4 (0.137 mi.)***	***M154***	***41***
FORMER UNION WIRE DI EPA ID:: NYR000239491	39-40 30TH ST	ENE 1/8 - 1/4 (0.148 mi.)	S180	47
CON EDISON - TRANSFO EPA ID:: NYP004849885	29-76 NORTHERN BLVD	ESE 1/8 - 1/4 (0.148 mi.)	K183	48
CON EDISON - MANHOLE EPA ID:: NYP004619466	24-19 QUEENS PLZ N	W 1/8 - 1/4 (0.151 mi.)	Q193	50
LIC TAXI SITE EPA ID:: NYR000221721	***30-17 40TH AVE***	***ENE 1/8 - 1/4 (0.170 mi.)***	***S212***	***54***
QUEENS PLAZA RESIDEN EPA ID:: NYR000212399	28-10 JACKSON AVE	SSW 1/8 - 1/4 (0.184 mi.)	V237	61
CON EDISON - TRANSFO EPA ID:: NYP004854655	24TH ST & 40TH AVE	NNW 1/8 - 1/4 (0.201 mi.)	AE259	66
CON EDISON - MANHOLE EPA ID:: NYP004744850	42ND RD & JACKSON AV	SSW 1/8 - 1/4 (0.202 mi.)	AC270	68
CON EDISON EPA ID:: NYP004882098	4224 ORCHARD ST	SSW 1/8 - 1/4 (0.218 mi.)	AH294	74
CON EDISON - TRANSFO EPA ID:: NYP005102298	42-24 ORCHARD ST	SSW 1/8 - 1/4 (0.218 mi.)	AH295	74
DOUBLE E PLATING CO EPA ID:: NYD001531094	***22-07 41ST AVE***	***NW 1/8 - 1/4 (0.249 mi.)***	***AO332***	***82***

EXECUTIVE SUMMARY

RCRA-SQG: A review of the RCRA-SQG list, as provided by EDR, and dated 12/14/2020 has revealed that there are 11 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NYC DEPT OF EDUCATIO EPA ID:: NYR000224360	***28-01 41ST AVE***	***NNW 0 - 1/8 (0.021 mi.)***	***A9***	***9***
COSMOCAR INC EPA ID:: NYD987032109	***40-34 CRESCENT ST***	***NW 1/8 - 1/4 (0.136 mi.)***	***L153***	***41***

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNIT MFG EPA ID:: NYR000045377	***41-17 28TH ST***	***WSW 0 - 1/8 (0.014 mi.)***	***A8***	***9***
ATLANTIC PRECIOUS ME EPA ID:: NYR000134338	***41-32 27TH ST***	***W 0 - 1/8 (0.091 mi.)***	***F66***	***21***
ROSENWACH TANK CO LL EPA ID:: NYD991290958	***40-25 CRESCENT ST***	***WSW 1/8 - 1/4 (0.170 mi.)***	***X216***	***55***
FRESH CLEANERS & LAU EPA ID:: NYR000034363	***39-26 30TH ST***	***NE 1/8 - 1/4 (0.173 mi.)***	***U219***	***56***
KOREA NEWS EPA ID:: NYD987005857	***42-22 27TH ST***	***WSW 1/8 - 1/4 (0.178 mi.)***	***X227***	***58***
MTA NYCT 23RD STREET EPA ID:: NYR000196576	***23RD ST & 41ST AVE***	***NW 1/8 - 1/4 (0.215 mi.)***	***Y288***	***72***
COOPER WIRING DEVICE EPA ID:: NYR000125492	***23-10 QUEENS PLAZA S***	***W 1/8 - 1/4 (0.235 mi.)***	***AK309***	***77***
MTA NYCT - 39TH AVEN EPA ID:: NYR000206953	***39TH AVE & 31ST ST***	***ENE 1/8 - 1/4 (0.248 mi.)***	***AN331***	***82***
WALKER E WHYTE INC EPA ID:: NY0000915165	***22-14 40TH AVE***	***NNW 1/8 - 1/4 (0.249 mi.)***	***AG337***	***83***

RCRA-VSQG: A review of the RCRA-VSQG list, as provided by EDR, and dated 12/14/2020 has revealed that there are 8 RCRA-VSQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALPIANS FANCY CLEANE EPA ID:: NYR000019000	***27-09 40TH AVE***	***NNE 1/8 - 1/4 (0.131 mi.)***	***O143***	***38***
PARISHVILLE EPA ID:: NYR000082875	***56 RIVER HOUSE DR***	***NW 1/8 - 1/4 (0.161 mi.)***	***L198***	***51***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FALIDAS ASSCOCIATES EPA ID:: NYR000123547	***25-01 QUEENS PLAZA N***	***WSW 0 - 1/8 (0.104 mi.)***	***F92***	***27***
MTA NYCT QUEENS BLVD EPA ID:: NYR000072959	***27TH ST & QUEENS BLV***	***WSW 0 - 1/8 (0.119 mi.)***	***F130***	***36***
OUTLET CITY INC	***42-16 WEST ST***	***S 1/8 - 1/4 (0.177 mi.)***	***V224***	***57***

EPA ID:: NYD053174041				
MTA NYCT - JACKSON & EPA ID:: NYR000078238	***28-20 JACKSON AVE***	***SSW 1/8 - 1/4 (0.177 mi.)***	***V226***	***58***
APEX TECHNICAL SCHOO EPA ID:: NYR000198275	***24-02 QUEENS PLAZA S***	***W 1/8 - 1/4 (0.202 mi.)***	***X274***	***69***
MAACO AUTO PAINTING EPA ID:: NYR000004929	***NORTHERN BLVD***	***E 1/8 - 1/4 (0.211 mi.)***	***Z285***	***72***

State- and tribal - equivalent CERCLIS

NY SHWS: A review of the NY SHWS list, as provided by EDR, and dated 11/09/2020 has revealed that there are 19 NY SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MOTOR AND IRON WORKS Site Code: 532999	***37-21 32ND STREET***	***ENE 1/4 - 1/2 (0.402 mi.)***	***AY368***	***93***
LEVCO METALS Site Code: 58675	***34-11 36TH STREET***	***ENE 1/2 - 1 (0.612 mi.)***	***BF401***	***103***
TEITELBAUM DRY CLEAN Site Code: 481508	***35-45 35TH ST***	***ENE 1/2 - 1 (0.648 mi.)***	***BF402***	***103***
WHITE SUN CLEANERS Site Code: 57110	47-38 34TH STREET	SSE 1/2 - 1 (0.721 mi.)	406	105
34-14 31ST STREET Site Code: 514253	34-14 31ST STREET	NE 1/2 - 1 (0.756 mi.)	409	106
FORMER LUFT CO. INC. Site Code: 460318	***34-12 36TH AVENUE***	***ENE 1/2 - 1 (0.780 mi.)***	***BG411***	***106***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FRESH CLEANERS & LAU Site Code: 440982	***39-26 30TH ST***	***NE 1/8 - 1/4 (0.173 mi.)***	***U219***	***56***
AMTRAK SUNNYSIDE YAR Site Code: 57794	***39-29 HONEYWELL STRE***	***E 1/4 - 1/2 (0.296 mi.)***	***345***	***85***
JUNG SUN LAUNDRY COR Site Code: 374812	***37-10 24TH STREET***	***N 1/4 - 1/2 (0.418 mi.)***	***AZ371***	***94***
BEST-DDK CLEANERS Site Code: 439625	38-68 13TH STREET	NNW 1/4 - 1/2 (0.424 mi.)	374	95
THE WILLS BUILDING Site Code: 477031	***43-01 21ST STREET***	***W 1/4 - 1/2 (0.425 mi.)***	***BB376***	***95***
WILSON HANLEY, INC. Site Code: 384281	***21-11 44TH AVENUE***	***WSW 1/4 - 1/2 (0.448 mi.)***	***BE388***	***98***
QUEENS MEDALLION LEA Site Code: 394315 Site Code: 477032	***21-03 44TH AVENUE***	***WSW 1/4 - 1/2 (0.464 mi.)***	***BE390***	***99***
STANDARD MOTOR PRODU	***37-18 NORTHERN BLVD***	***E 1/2 - 1 (0.575 mi.)***	***399***	***101***

Site Code: 58682				
NATIONAL RUBBER & BA Site Code: 58713	***38-31 9TH ST***	***NW 1/2 - 1 (0.593 mi.)***	***400***	***102***
ARCH STREET YARDS (L Site Code: 571989	***ARCH STREET AND JACK***	***SW 1/2 - 1 (0.704 mi.)***	***405***	***104***
27-10 49TH AVENUE-OE Site Code: 571772	27-10 49TH AVENUE	SSW 1/2 - 1 (0.725 mi.)	407	105
RAVENSWOOD GENERATIN Site Code: 416958	***38-54 VERNON BLVD.***	***NW 1/2 - 1 (0.743 mi.)***	***408***	***105***
QUEENS WEST - NORTH Site Code: 55923	46-00 FIFTH STREET	WSW 1/2 - 1 (0.952 mi.)	413	107

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF: A review of the NY SWF/LF list, as provided by EDR, and dated 09/30/2020 has revealed that there is 1 NY SWF/LF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY USED AUTO CENTE	***37-25 21ST STREET***	***N 1/4 - 1/2 (0.464 mi.)***	***391***	***99***

State and tribal leaking storage tank lists

NY LTANKS: A review of the NY LTANKS list, as provided by EDR, and dated 11/09/2020 has revealed that there are 55 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOVOUR HOME Spill Number/Closed Date: 0700688 / 2010-02-17 Site ID: 380071 Spill Date: 2007-04-18	2512 41ST AVE	NW 0 - 1/8 (0.088 mi.)	B63	21
CLOSED-LACKOF RECENT Spill Number/Closed Date: 9105613 / 2003-03-14 Site ID: 271352 Spill Date: 1991-08-23	40-40 CRESCENT ST	NW 1/8 - 1/4 (0.132 mi.)	L148	40
CLOSED-LACKOF RECENT Spill Number/Closed Date: 8705823 / 2003-03-04 Site ID: 186869 Spill Date: 1987-10-09	39038 29TH ST.	NE 1/8 - 1/4 (0.140 mi.)	R160	43
CHURCH Spill Number/Closed Date: 0411422 / 2006-01-17 Spill Number/Closed Date: 0411423 / 2005-03-28 Site ID: 336615 Site ID: 336616 Spill Date: 2005-01-21	39-38 29TH STREET	NE 1/8 - 1/4 (0.141 mi.)	R163	43
COMMERCIAL BUILDING	40-23 24TH ST'	NNW 1/8 - 1/4 (0.166 mi.)	W207	53

Spill Number/Closed Date: 0506977 / 2006-01-05
Site ID: 352289
Spill Date: 2005-09-08

ABANDONED BLDG | 38-28 28TH ST | NNE 1/4 - 1/2 (0.251 mi.) | AF338 | 84
Spill Number/Closed Date: 9805230 / 1999-04-27
Site ID: 271765
Spill Date: 1998-07-27

38-31 CRESCENT ST | 38-31 CRESCENT ST | N 1/4 - 1/2 (0.260 mi.) | 341 | 85
Spill Number/Closed Date: 0011444 / 2001-10-23
Site ID: 123310
Spill Date: 2001-01-22

QUEENS BLVD PETROLEU | 31-05 QUEENS BOULEVA | SSE 1/4 - 1/2 (0.369 mi.) | AT357 | 89
Spill Number/Closed Date: 0612273 / 2007-02-08
Site ID: 377088
Spill Date: 2007-02-08

GETTY S/S #344 - GET | 31-05 QUEENS BLVD | SSE 1/4 - 1/2 (0.369 mi.) | AT358 | 90
Spill Number/Closed Date: 0009849 / 2007-01-05
Spill Number/Closed Date: 9909630 / 2004-12-02
Site ID: 298004
Site ID: 298006
Spill Date: 2000-11-30
Spill Date: 1999-11-08

37-23 CRESCENT AVENU | 37-23 CRESCENT AVENU | NNE 1/4 - 1/2 (0.371 mi.) | AU359 | 91
Spill Number/Closed Date: 9410285 / 1994-11-02
Site ID: 77942
Spill Date: 1994-11-02

SEE FACTOR INDUSTRY | 37-11 30TH ST | NE 1/4 - 1/2 (0.377 mi.) | AW362 | 91
Spill Number/Closed Date: 9801491 / 2004-09-15
Site ID: 208588
Spill Date: 1998-04-21

UNDERGROUND LINE | 27-10 37TH AVE | NNE 1/4 - 1/2 (0.395 mi.) | 364 | 92
Spill Number/Closed Date: 9712733 / 2003-02-19
Site ID: 168989
Spill Date: 1998-02-13

CLOSED-LACKOF RECENT | 37-14 33RD STREET | ENE 1/4 - 1/2 (0.407 mi.) | AV369 | 93
Spill Number/Closed Date: 8905637 / 2003-03-06
Site ID: 221353
Spill Date: 1989-09-08

32-10 37TH AV | 32-10 37TH AVE | ENE 1/4 - 1/2 (0.428 mi.) | AY377 | 95
Spill Number/Closed Date: 0200301 / 2005-06-16
Site ID: 147177
Spill Date: 2002-04-09

43-41 32ND PLACE | 43-41 32ND PLACE | SE 1/4 - 1/2 (0.441 mi.) | AX383 | 97
Spill Number/Closed Date: 9303078 / 1993-06-25
Site ID: 307482
Spill Date: 1993-06-08

32-15 37TH AVE | 32-15 37TH AVE | ENE 1/4 - 1/2 (0.442 mi.) | AY387 | 98
Spill Number/Closed Date: 9212707 / 1993-03-10
Site ID: 220254
Spill Date: 1993-02-10

Lower Elevation	Address	Direction / Distance	Map ID	Page
PS 153 M SCHOOL	***1750 AMSTERDAM AVE***	***SSW 0 - 1/8 (0.066 mi.)***	***D40***	***16***

Spill Number/Closed Date: 0512409 / Not Reported
Site ID: 358724
Spill Date: 2006-01-26

OFFICE BUILDING | 29-27 NORTHERN BLVD | SE 0 - 1/8 (0.084 mi.) | C57 | 19
Spill Number/Closed Date: 0612458 / 2007-02-16
Site ID: 377316
Spill Date: 2007-02-14

FALIDAS ASSCOCIATES | 25-01 QUEENS PLAZA N | WSW 0 - 1/8 (0.104 mi.) | F92 | 27
Spill Number/Closed Date: 0305348 / 2007-05-21
Spill Number/Closed Date: 8905133 / 1992-11-19
Site ID: 66252
Site ID: 237933
Spill Date: 2003-08-01
Spill Date: 1989-08-23

KAL REALTY | 29-24 40TH AVE | ENE 0 - 1/8 (0.121 mi.) | I134 | 36
Spill Number/Closed Date: 9806658 / 2005-06-15
Site ID: 172099
Spill Date: 1998-08-28

NYCTA - SUPERIOR REE | 29-50 NORTHERN BLVD | ESE 1/8 - 1/4 (0.131 mi.) | N142 | 38
Spill Number/Closed Date: 9100729 / 2000-11-30
Site ID: 292496
Spill Date: 1991-04-18

CLOSED-LACKOF RECENT | 29024 40TH AVENUE | ENE 1/8 - 1/4 (0.132 mi.) | I149 | 40
Spill Number/Closed Date: 8709369 / 2003-03-13
Site ID: 125139
Spill Date: 1988-02-03

APRT | 2403 41ST AVE | NW 1/8 - 1/4 (0.155 mi.) | L194 | 50
Spill Number/Closed Date: 0711618 / 2008-04-02
Site ID: 393128
Spill Date: 2008-02-04

24-03 41ST AVE | 24-03 41ST AVE | NW 1/8 - 1/4 (0.155 mi.) | L195 | 50
Spill Number/Closed Date: 8709565 / 1993-02-25
Site ID: 174701
Spill Date: 1988-02-10

OUTLET CITY INC | 42-16 WEST ST | S 1/8 - 1/4 (0.177 mi.) | V224 | 57
Spill Number/Closed Date: 9600688 / 2003-05-27
Site ID: 254707
Spill Date: 1996-03-26

BENIGNO FERNANEZ (P | 31-01 NORTHERN BLVD | ENE 1/8 - 1/4 (0.181 mi.) | S233 | 60
Spill Number/Closed Date: 8700671 / 2006-08-30
Site ID: 149864
Spill Date: 1987-04-22

GULF MOKIN GAS | 23-01 41ST AVE | NW 1/8 - 1/4 (0.201 mi.) | Y267 | 67
Spill Number/Closed Date: 0808735 / 2009-08-28
Spill Number/Closed Date: 0308076 / 2004-01-07
Site ID: 406141
Site ID: 237638
Spill Date: 2008-11-03
Spill Date: 2003-10-30

42-64 HUNTER STREET | 42-64 HUNTER STREET | SW 1/8 - 1/4 (0.209 mi.) | AB278 | 70
Spill Number/Closed Date: 9310213 / 1993-11-22

Site ID: 119063
Spill Date: 1993-11-22

EXXON-MOBIL ***42-02 QUEENS BLVD*** ***SSW 1/8 - 1/4 (0.239 mi.)*** ***AH323*** ***80***
Spill Number/Closed Date: 0004702 / 2003-07-02
Spill Number/Closed Date: 0006097 / 2003-07-02
Site ID: 67392
Site ID: 67393
Spill Date: 2000-07-19
Spill Date: 2000-08-22

MID TOWN OPERATING C 42-50 24TH ST WSW 1/4 - 1/2 (0.295 mi.) AP343 85
Spill Number/Closed Date: 0911288 / 2010-01-21
Site ID: 424084
Spill Date: 2010-01-20

AMTRAK SUNNYSIDE YAR ***39-29 HONEYWELL STRE*** ***E 1/4 - 1/2 (0.296 mi.)*** ***345*** ***85***
Spill Number/Closed Date: 9207333 / 2003-11-24
Spill Number/Closed Date: 9013163 / 2003-03-14
Site ID: 97456
Site ID: 97453
Spill Date: 1991-01-01
Spill Date: 1991-03-23

RESIDENTS ***43-09 HUNTERS STREET*** ***SW 1/4 - 1/2 (0.314 mi.)*** ***347*** ***87***
Spill Number/Closed Date: 0105318 / 2003-06-30
Site ID: 242115
Spill Date: 2001-08-16

107 WEST 38TH REALTY 3328 NORTHERN BLVD E 1/4 - 1/2 (0.328 mi.) 348 87
Spill Number/Closed Date: 1103545 / 2011-10-12
Site ID: 451112
Spill Date: 2011-06-29

MANHOLE 14413 ***QUEENS PLAZA NORTH*** ***WNW 1/4 - 1/2 (0.348 mi.)*** ***349*** ***88***
Spill Number/Closed Date: 0100062 / 2003-06-16
Site ID: 63771
Spill Date: 2001-04-03

39-15 21ST STREET 39-15 21ST STREET NNW 1/4 - 1/2 (0.367 mi.) 356 89
Spill Number/Closed Date: 9308729 / 2003-03-14
Site ID: 149681
Spill Date: 1993-10-19

PRIVATE HOME 3251 38TH STREET ENE 1/4 - 1/2 (0.376 mi.) AV360 91
Spill Number/Closed Date: 0612000 / 2007-03-28
Site ID: 376761
Spill Date: 2007-01-30

AMOCO SERVICE STATIO ***34-17 NORTHERN BLVD*** ***E 1/4 - 1/2 (0.387 mi.)*** ***363*** ***91***
Spill Number/Closed Date: 0400123 / 2004-10-21
Site ID: 212091
Spill Date: 2004-04-05

32-00 SKILLMAN AVE 32-00 SKILLMAN AVE SE 1/4 - 1/2 (0.398 mi.) AX365 92
Spill Number/Closed Date: 0302379 / 2005-07-29
Site ID: 72446
Spill Date: 2003-06-05

FORMERLY ACCO BRANDS ***32-00 SKILLMAN AVENU*** ***SE 1/4 - 1/2 (0.398 mi.)*** ***AX367*** ***93***
Spill Number/Closed Date: 9207976 / 2003-03-06
Site ID: 221004

Spill Date: 1992-10-09				
37-24 24TH ST/QUEENS Spill Number/Closed Date: 8905393 / 1992-10-02 Site ID: 177843 Spill Date: 1989-08-31	37-24 24TH STREET	N 1/4 - 1/2 (0.417 mi.)	AZ370	94
SPILL NUMBER 0005416 Spill Number/Closed Date: 0005416 / 2003-03-04 Site ID: 115362 Spill Date: 2000-08-06	CRESCENT ST/37TH AV	NNE 1/4 - 1/2 (0.421 mi.)	AU372	94
PS #112 Spill Number/Closed Date: 9900152 / 2006-01-05 Spill Number/Closed Date: 9900153 / 2004-01-15 Spill Number/Closed Date: 9301138 / 2005-03-14 Site ID: 150420 Site ID: 150421 Site ID: 150419 Spill Date: 1999-04-05 Spill Date: 1993-04-23	25-05 37TH AVE	NNE 1/4 - 1/2 (0.424 mi.)	BA373	94
QUEENSBRIDGE PLANT B Spill Number/Closed Date: 9009185 / 1995-08-16 Spill Number/Closed Date: 9305924 / 1995-08-16 Site ID: 178671 Site ID: 178672 Spill Date: 1990-11-21 Spill Date: 1993-08-12	41001 12TH STREET	WNW 1/4 - 1/2 (0.430 mi.)	BC378	96
QUEENSBRIDGE PLANT B Spill Number/Closed Date: 9205290 / 1995-08-16 Site ID: 213263 Spill Date: 1992-08-07	40001 12TH ST	NW 1/4 - 1/2 (0.430 mi.)	BD379	96
QUEENSBRIDGE PLANT A Spill Number/Closed Date: 9008034 / 1995-08-16 Site ID: 67975 Spill Date: 1990-10-23	40013 12TH STREET	NW 1/4 - 1/2 (0.430 mi.)	BD380	96
41ST AVENUE & 12ST S Spill Number/Closed Date: 9313090 / 2003-03-11 Site ID: 223819 Spill Date: 1994-02-17	41ST AVE/12TH STREET	NW 1/4 - 1/2 (0.432 mi.)	BC381	96
37-18 34TH STREET Spill Number/Closed Date: 9212419 / 1994-03-08 Site ID: 238012 Spill Date: 1993-02-02	37-18 34TH STREET	ENE 1/4 - 1/2 (0.435 mi.)	382	97
32-32 QUEENS BLVD Spill Number/Closed Date: 9309167 / 1994-07-27 Site ID: 205077 Spill Date: 1993-10-28	32-32 QUEENS BLVD	SSE 1/4 - 1/2 (0.441 mi.)	384	97
LAGUARDIA COMM COLLE Spill Number/Closed Date: 0110443 / 2002-01-31 Site ID: 89365 Spill Date: 2002-01-31	31-10 THOMSON AVE	SSE 1/4 - 1/2 (0.441 mi.)	385	97
AROON SUKRANICHANNE Spill Number/Closed Date: 9414758 / 1995-02-09	36-46 CRESCENT STREE	NNE 1/4 - 1/2 (0.442 mi.)	BA386	98

Site ID: 311462 Spill Date: 1995-02-08				
CLOSED-LACKOF RECENT Spill Number/Closed Date: 8904880 / 2003-03-05 Site ID: 173190 Spill Date: 1989-08-16	35-02 NORTHERN BLVD	E 1/4 - 1/2 (0.457 mi.)	389	98
COURT PLAZA Spill Number/Closed Date: 1000528 / 2014-10-28 Site ID: 431696 Spill Date: 2010-04-13	5 COURT SQUARE	SW 1/4 - 1/2 (0.469 mi.)	392	99
CONDEA SUPPLY CORP Spill Number/Closed Date: 0306979 / 2006-06-21 Site ID: 59951 Spill Date: 2003-10-02	21-21 44TH RD	WSW 1/4 - 1/2 (0.471 mi.)	BE393	99
32-32 QUEENS BLVD/SU Spill Number/Closed Date: 8905358 / Not Reported Site ID: 310058 Spill Date: 1989-08-30	32-32 QUEENS BLVD	SSE 1/4 - 1/2 (0.493 mi.)	396	100
38-21 12TH ST/QUEENS Spill Number/Closed Date: 8706722 / 1994-02-07 Site ID: 321182 Spill Date: 1987-11-07	38-21 12TH ST.	NNW 1/4 - 1/2 (0.494 mi.)	398	101

State and tribal registered storage tank lists

NY UST: A review of the NY UST list, as provided by EDR, has revealed that there are 41 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NEWCOMERS HIGH SCHOO Database: UST, Date of Government Version: 12/17/2020	28-01 41ST AVENUE	NNW 0 - 1/8 (0.021 mi.)	A12	10
QUEENS PLAZA REALTY Database: UST, Date of Government Version: 12/17/2020	25-12 41ST AVENUE	NW 0 - 1/8 (0.088 mi.)	B62	21
AUTO DYNAMICS Database: UST, Date of Government Version: 12/17/2020	25-11 41ST AVENUE	NW 0 - 1/8 (0.095 mi.)	B76	24
RED D MANAGEMENT Database: UST, Date of Government Version: 12/17/2020	40-40 CRESCENT STREE	NW 1/8 - 1/4 (0.132 mi.)	L147	40
ST. PATRICK R.C. CHU Database: UST, Date of Government Version: 12/17/2020	39-38 29TH STREET	NE 1/8 - 1/4 (0.141 mi.)	R162	43
40-05 CRESCENT Database: UST, Date of Government Version: 12/17/2020	40-05 CRESCENT STREE	N 1/8 - 1/4 (0.144 mi.)	T167	44
EVANGEL CHURCH & SCH Database: UST, Date of Government Version: 12/17/2020	39-21 CRESCENT STREE	N 1/8 - 1/4 (0.197 mi.)	AD256	65

Lower Elevation	Address	Direction / Distance	Map ID	Page
29 27 QUEENS PLAZA N Database: UST, Date of Government Version: 12/17/2020	29-27 QUEENS PLAZA N	SE 0 - 1/8 (0.083 mi.)	C55	19

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
QUEENS PLAZA NORTH	25-15 QUEENS PLAZA N	WSW 0 - 1/8 (0.104 mi.)	F91	27
Database: UST, Date of Government Version: 12/17/2020				
QUEENS & NORTHERN	30-05 QUEENS BOULEVA	S 0 - 1/8 (0.118 mi.)	M125	34
Database: UST, Date of Government Version: 12/17/2020				
30-10/12 41ST AVE.	30-10/12 41ST AVENUE	SE 0 - 1/8 (0.120 mi.)	J131	36
Database: UST, Date of Government Version: 12/17/2020				
29-24 40TH AVE	29-24 40TH AVE	ENE 0 - 1/8 (0.121 mi.)	I133	36
Database: UST, Date of Government Version: 12/17/2020				
SUPERIOR REED BUILDI	***29-50 NORTHERN BLVD***	***ESE 1/8 - 1/4 (0.131 mi.)***	***N141***	***38***
Database: UST, Date of Government Version: 12/17/2020				
JACKSON CORNERS GENE	RD 1 BOX 249 JACKSON	S 1/8 - 1/4 (0.134 mi.)	M151	40
Database: UST, Date of Government Version: 12/17/2020				
SURREY CADILLAC LIMO	41-38 CRESCENT STREE	W 1/8 - 1/4 (0.138 mi.)	Q158	42
Database: UST, Date of Government Version: 12/17/2020				
CARRICK SERVICE CORP	30-19 NORTHERN BLVD	ENE 1/8 - 1/4 (0.144 mi.)	S165	44
Database: UST, Date of Government Version: 12/17/2020				
FORMER UNION WIRE DI	39-40 30TH STREET	ENE 1/8 - 1/4 (0.148 mi.)	S179	47
Database: UST, Date of Government Version: 12/17/2020				
28-10 QUEENS PLAZA S	28-10 QUEENS PLAZA S	SSW 1/8 - 1/4 (0.149 mi.)	P188	49
Database: UST, Date of Government Version: 12/17/2020				
EVANS CONSTRUCTION C	***24-15 QUEENS PLAZA N***	***W 1/8 - 1/4 (0.150 mi.)***	***Q189***	***49***
Database: UST, Date of Government Version: 12/17/2020				
24-03 41ST AVE	***24-03 41ST AVE***	***NW 1/8 - 1/4 (0.155 mi.)***	***L195***	***50***
Database: UST, Date of Government Version: 12/17/2020				
QUEENS PLAZA RESIDEN	28-34 JACKSON AVENUE	SSW 1/8 - 1/4 (0.165 mi.)	V202	52
Database: UST, Date of Government Version: 12/17/2020				
QUEENS PLAZA RESIDEN	28-34 JACKSON AVENUE	SSW 1/8 - 1/4 (0.165 mi.)	V204	52
Database: UST, Date of Government Version: 12/17/2020				
QUEENS PLAZA RESIDEN	28-34 JACKSON AVENUE	SSW 1/8 - 1/4 (0.165 mi.)	V205	53
Database: UST, Date of Government Version: 12/17/2020				
ALERT GARAGE CORP	30-17 40TH AVENUE	ENE 1/8 - 1/4 (0.170 mi.)	S215	55
Database: UST, Date of Government Version: 12/17/2020				
42-15 CRESENT ST	42-15 CRESCENT STREE	WSW 1/8 - 1/4 (0.174 mi.)	X220	56
Database: UST, Date of Government Version: 12/17/2020				
OUTLET CITY INC	42-16 WEST ST	S 1/8 - 1/4 (0.177 mi.)	V225	58
Database: UST, Date of Government Version: 12/17/2020				
40-44 24TH STREET	40-44 24TH STREET	NW 1/8 - 1/4 (0.180 mi.)	W231	59
Database: UST, Date of Government Version: 12/17/2020				
LIC 41-48 24TH ST. L	41-18 24TH STREET	WNW 1/8 - 1/4 (0.180 mi.)	Y232	59
Database: UST, Date of Government Version: 12/17/2020				
BENIGNO FERNANEZ (P	***31-01 NORTHERN BLVD***	***ENE 1/8 - 1/4 (0.181 mi.)***	***S233***	***60***
Database: UST, Date of Government Version: 12/17/2020				
QUEENS PLAZA RESIDEN	28-10 JACKSON AVENUE	SSW 1/8 - 1/4 (0.184 mi.)	V238	61
Database: UST, Date of Government Version: 12/17/2020				
41-50 24TH ST	41-50 24TH STREET	WNW 1/8 - 1/4 (0.190 mi.)	AA250	64
Database: UST, Date of Government Version: 12/17/2020				

Lower Elevation	Address	Direction / Distance	Map ID	Page
KRK EXPEDITING CO IN Database: UST, Date of Government Version: 12/17/2020	42-21 CRESCENT ST	WSW 1/8 - 1/4 (0.197 mi.)	X255	65
HIMALAYAN GAS INC. Database: UST, Date of Government Version: 12/17/2020	23-01 41ST AVENUE	NW 1/8 - 1/4 (0.201 mi.)	Y263	67
QAZI TOWING Database: UST, Date of Government Version: 12/17/2020	41-01 23RD STREET	NW 1/8 - 1/4 (0.203 mi.)	Y275	69
ELECTRIC REALTY CO, Database: UST, Date of Government Version: 12/17/2020	24-02 BRIDGE PLAZA S	W 1/8 - 1/4 (0.206 mi.)	X277	70
31-02 NORTHERN BLVD. Database: UST, Date of Government Version: 12/17/2020	31-02 NORTHERN BOULE	E 1/8 - 1/4 (0.211 mi.)	Z283	71
BAGWIN BROTHERS SERV Database: UST, Date of Government Version: 12/17/2020	42-37 CRESCENT STREE	WSW 1/8 - 1/4 (0.224 mi.)	AB299	75
23-10 QUEENS PLAZA S Database: UST, Date of Government Version: 12/17/2020	23-10 QUEENS PLAZA S	W 1/8 - 1/4 (0.235 mi.)	AK310	77
AUDAX CONSTRUCTION C Database: UST, Date of Government Version: 12/17/2020	31-08 NORTHERN BOULE	E 1/8 - 1/4 (0.239 mi.)	320	79
LONDON TOWNCARS,INC Database: UST, Date of Government Version: 12/17/2020	***40-14 23RD STREET***	***NW 1/8 - 1/4 (0.241 mi.)***	***AG326***	***81***
PETROCELLI ELECTRIC Database: UST, Date of Government Version: 12/17/2020	22-09 BRIDGE PLAZA N	WNW 1/8 - 1/4 (0.242 mi.)	AM328	81

NY CBS: A review of the NY CBS list, as provided by EDR, and dated 12/17/2020 has revealed that there are 2 NY CBS sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
QUEENS PLAZA RESIDEN Facility Status: Unregulated/Closed CBS Number: 2-000514	28-34 JACKSON AVENUE	SSW 1/8 - 1/4 (0.165 mi.)	V203	52
ALERT GARAGE COPR Facility Status: Unregulated/Closed CBS Number: 2-000500	***30-17 40TH AVE***	***ENE 1/8 - 1/4 (0.170 mi.)***	***S211***	***54***

NY AST: A review of the NY AST list, as provided by EDR, has revealed that there are 45 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AUTO DYNAMICS Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-603539	25-11 41ST AVENUE	NW 0 - 1/8 (0.095 mi.)	B75	23
ST. PATRICK R.C. CHU Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-402478	39-38 29TH STREET	NE 1/8 - 1/4 (0.141 mi.)	R161	43
CARLDAN ENTERPRISES Database: AST, Date of Government Version: 12/17/2020	40-16 CRESCENT STREE	NNW 1/8 - 1/4 (0.151 mi.)	T190	49

Facility Id: 2-150452

LIC FACILITY - MSKCC Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-610003	39-40 CRESCENT STREE	N 1/8 - 1/4 (0.186 mi.)	T239	61
CALLIOPI LAMBADIS Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-404640	27-08 39 AVE	NNE 1/8 - 1/4 (0.211 mi.)	AF282	71
MELNICH REALTY CO. Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-284033	29-05 39TH AVENUE	NE 1/8 - 1/4 (0.230 mi.)	AI303	76
20 FAMILY APT. HOUSE Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-210218	38-32 29TH STREET	NE 1/8 - 1/4 (0.237 mi.)	AI316	79

Lower Elevation	Address	Direction / Distance	Map ID	Page
41-18 29TH STREET Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-055115	41-18 29TH STREET	SSW 0 - 1/8 (0.014 mi.)	A7	9
41-20 29TH STREET Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-055131	41-20 29TH STREET	SSW 0 - 1/8 (0.021 mi.)	A13	10
41-24 29TH STREET Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-055123	41-24 29TH STREET	SSW 0 - 1/8 (0.029 mi.)	A14	10
29-37 41ST AVE Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-347493	29-37 41ST AVENUE	SSE 0 - 1/8 (0.054 mi.)	C21	12
GRANITE QUEENS PLAZA Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-607621	29-15 QUEENS PLAZA N	SSE 0 - 1/8 (0.064 mi.)	C37	15
ENTERTAINMENT PRODUC Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-404322	29-11 QUEENS PLAZA N	S 0 - 1/8 (0.067 mi.)	C43	16
27-01 BRIDGE PLAZA N Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-611882 Facility Id: 2-291854	27-01 QUEENS PLAZA N	WSW 0 - 1/8 (0.076 mi.)	D48	18
29 27 QUEENS PLAZA N Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-235040	29-27 QUEENS PLAZA N	SE 0 - 1/8 (0.083 mi.)	C56	19
29-28 41ST AVENUE Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-092819	29-28 41ST AVENUE	SE 0 - 1/8 (0.105 mi.)	J95	28
NORTHERN BOULEVARD C Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-611610	29-60 NORTHERN BOULE	SE 0 - 1/8 (0.105 mi.)	J98	29
DIAMATARIS PROPERTIE Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-277304	41-17 CRESCENT ST	WNW 0 - 1/8 (0.108 mi.)	G110	31
CQ-33 MTA EASTSIDE A Database: AST, Date of Government Version: 12/17/2020	29-80 NORTHERN BOULE	ESE 0 - 1/8 (0.112 mi.)	K114	32

Facility Id: 2-612352				
29-24 40TH AVE Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-238635	29-24 40TH AVE	ENE 0 - 1/8 (0.121 mi.)	I132	36
PACKARD SQUARE NORTH Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-612536	41-18 CRESCENT STREE	WNW 1/8 - 1/4 (0.131 mi.)	G140	38
SUPERIOR REED BUILDI Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-190160	***29-50 NORTHERN BLVD***	***ESE 1/8 - 1/4 (0.131 mi.)***	***N141***	***38***
TWO GOTHAM CENTER Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-611586	42-09 28TH ST	SW 1/8 - 1/4 (0.138 mi.)	P155	42
PACKARD SQUARE Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-611099	41-34 CRESCENT STREE	WNW 1/8 - 1/4 (0.138 mi.)	Q159	43
FORMER UNION WIRE DI Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-607888	39-40 30TH STREET	ENE 1/8 - 1/4 (0.148 mi.)	S181	47
29-76 REALTY CO Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-289051	29-76 NORTHERN BLVD	ESE 1/8 - 1/4 (0.148 mi.)	K186	49
EVANS CONSTRUCTION C Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-610153	***24-15 QUEENS PLAZA N***	***W 1/8 - 1/4 (0.150 mi.)***	***Q189***	***49***
PACKARD SQUARE NO. 3 Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-612535	41-21 24TH STREET	WNW 1/8 - 1/4 (0.160 mi.)	Q196	51
PACKARD SQUARE WEST Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-612721	41-29 24TH ST	WNW 1/8 - 1/4 (0.162 mi.)	Q200	52
STAR JOURNAL BUILDIN Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-607562	42-26 28TH STREET	SW 1/8 - 1/4 (0.165 mi.)	P206	53
ALERT GARAGE COPR Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-055832	***30-17 40TH AVE***	***ENE 1/8 - 1/4 (0.170 mi.)***	***S211***	***54***
42-15 CRESENT ST Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-155969	42-15 CRESCENT STREE	WSW 1/8 - 1/4 (0.174 mi.)	X221	56
40-44 24TH STREET Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-612591	40-44 24TH STREET	NW 1/8 - 1/4 (0.180 mi.)	W230	59
24-16 QUEENS PLAZA S Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-247618	24-16 QUEENS PLAZA S	W 1/8 - 1/4 (0.187 mi.)	X241	61
NORTH EQUITIES INCOR Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-601990	30-30 NORTHERN BOULE	E 1/8 - 1/4 (0.188 mi.)	Z244	62
QUEENS BORO AUTOBODY Database: AST, Date of Government Version: 12/17/2020	23-01 41ST AVENUE	NW 1/8 - 1/4 (0.201 mi.)	Y266	67

Facility Id: 2-607970				
QAZI TOWING Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-607885	41-01 23RD STREET	NW 1/8 - 1/4 (0.203 mi.)	Y276	70
RELAX AUTO Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-612888	40-23 23RD STREET	NW 1/8 - 1/4 (0.211 mi.)	W281	71
ADRIA MOTORS AUTO RE Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-612911	40-19 23RD STREET	NW 1/8 - 1/4 (0.218 mi.)	AG291	73
39-31 24TH ST Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-611437	39-31 24TH STREET	N 1/8 - 1/4 (0.222 mi.)	AD298	75
39-23 REALTY LLC Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-609677	39-23 24TH STREET	N 1/8 - 1/4 (0.233 mi.)	AD305	76
23-10 QUEENS PLAZA S Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-017345	***23-10 QUEENS PLAZA S***	***W 1/8 - 1/4 (0.235 mi.)***	***AK314***	***78***
LONDON TOWNCARS,INC Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-600204	***40-14 23RD STREET***	***NW 1/8 - 1/4 (0.241 mi.)***	***AG326***	***81***
27-35 JACKSON AVENUE Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-283118	27-35 JACKSON AVE	SW 1/8 - 1/4 (0.241 mi.)	AL327	81
22-14 40TH AVENUE Database: AST, Date of Government Version: 12/17/2020 Facility Id: 2-611861	22-14 40TH AVENUE	NNW 1/8 - 1/4 (0.249 mi.)	AG336	83

State and tribal institutional control / engineering control registries

NY ENG CONTROLS: A review of the NY ENG CONTROLS list, as provided by EDR, and dated 11/09/2020 has revealed that there are 10 NY ENG CONTROLS sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER UNION WIRE DI Site Code: 492945	***39-40 30TH STREET***	***ENE 1/8 - 1/4 (0.148 mi.)***	***S178***	***47***
FRESH CLEANERS & LAU Site Code: 440982	***39-26 30TH ST***	***NE 1/8 - 1/4 (0.173 mi.)***	***U219***	***56***
23-10 QUEENS PLAZA S Site Code: 491518	***23-10 QUEENS PLAZA S***	***W 1/8 - 1/4 (0.235 mi.)***	***AK314***	***78***
DOUBLE E PLATING CO Site Code: 499923	***22-07 41ST AVE***	***NW 1/8 - 1/4 (0.249 mi.)***	***AO332***	***82***
23-01 42ND ROAD Site Code: 484397	***23-01 42ND ROAD***	***W 1/4 - 1/2 (0.252 mi.)***	***AK339***	***84***
PURVES STREET DEVELO	44-18 PURVES STREET	SW 1/4 - 1/2 (0.348 mi.)	AQ351	88

Site Code: 493090				
44-30 PURVES STREET Site Code: 492842	44-30 PURVES STREET	SSW 1/4 - 1/2 (0.365 mi.)	AS354	89
THE WILLS BUILDING Site Code: 490427	43-01 21ST STREET	W 1/4 - 1/2 (0.425 mi.)	BB375	95
QUEENS MEDALLION LEA Site Code: 487959	***21-03 44TH AVENUE***	***WSW 1/4 - 1/2 (0.464 mi.)***	***BE390***	***99***
21-16 44TH ROAD , LI Site Code: 58239	***21-16 44TH ROAD***	***WSW 1/4 - 1/2 (0.478 mi.)***	***395***	***100***

NY INST CONTROL: A review of the NY INST CONTROL list, as provided by EDR, and dated 11/09/2020 has revealed that there are 11 NY INST CONTROL sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER UNION WIRE DI Site Code: 492945	***39-40 30TH STREET***	***ENE 1/8 - 1/4 (0.148 mi.)***	***S178***	***47***
FRESH CLEANERS & LAU Site Code: 440982	***39-26 30TH ST***	***NE 1/8 - 1/4 (0.173 mi.)***	***U219***	***56***
23-10 QUEENS PLAZA S Site Code: 491518	***23-10 QUEENS PLAZA S***	***W 1/8 - 1/4 (0.235 mi.)***	***AK314***	***78***
DOUBLE E PLATING CO Site Code: 499923	***22-07 41ST AVE***	***NW 1/8 - 1/4 (0.249 mi.)***	***AO332***	***82***
23-01 42ND ROAD Site Code: 484397	***23-01 42ND ROAD***	***W 1/4 - 1/2 (0.252 mi.)***	***AK339***	***84***
PURVES STREET DEVELO Site Code: 493090	***44-18 PURVES STREET***	***SW 1/4 - 1/2 (0.348 mi.)***	***AQ350***	***88***
44-30 PURVES STREET Site Code: 492842	***44-30 PURVES STREET***	***SSW 1/4 - 1/2 (0.365 mi.)***	***AS355***	***89***
THE WILLS BUILDING Site Code: 490427	***43-01 21ST STREET***	***W 1/4 - 1/2 (0.425 mi.)***	***BB376***	***95***
QUEENS MEDALLION LEA Site Code: 487959	***21-03 44TH AVENUE***	***WSW 1/4 - 1/2 (0.464 mi.)***	***BE390***	***99***
21-16 44TH ROAD , LI Site Code: 58239	***21-16 44TH ROAD***	***WSW 1/4 - 1/2 (0.478 mi.)***	***395***	***100***
SILVER STAR AUTO RES Site Code: 490213	***37-14 36TH STREET***	***E 1/4 - 1/2 (0.493 mi.)***	***397***	***101***

State and tribal voluntary cleanup sites

NY VCP: A review of the NY VCP list, as provided by EDR, has revealed that there are 6 NY VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
27-01 41ST AVENUE Database: VCP NYC, Date of Government Version: 01/18/2021	27-01 41ST AVENUE	NW 0 - 1/8 (0.056 mi.)	B25	13
27-09 40TH AVENUE Database: VCP NYC, Date of Government Version: 01/18/2021	***27-09 40TH AVENUE***	***NNE 1/8 - 1/4 (0.131 mi.)***	***O145***	***39***

Lower Elevation	Address	Direction / Distance	Map ID	Page
OUTLET CITY, QUEENS Database: VCP, Date of Government Version: 11/09/2020 Site Code: 58261	QUEENS BLVD. & JACKS	S 1/8 - 1/4 (0.201 mi.)	V261	66
23-01 41ST AVENUE Database: VCP NYC, Date of Government Version: 01/18/2021	23-01 41ST AVENUE	NW 1/8 - 1/4 (0.201 mi.)	Y262	66
FORMERLY ACCO BRANDS Database: VCP, Date of Government Version: 11/09/2020 Site Code: 57579	***32-00 SKILLMAN AVENU***	***SE 1/4 - 1/2 (0.398 mi.)***	***AX367***	***93***
21-16 44TH ROAD , LI Database: VCP, Date of Government Version: 11/09/2020 Site Code: 58239	***21-16 44TH ROAD***	***WSW 1/4 - 1/2 (0.478 mi.)***	***395***	***100***

State and tribal Brownfields sites

NY BROWNFIELDS: A review of the NY BROWNFIELDS list, as provided by EDR, and dated 11/09/2020 has revealed that there are 26 NY BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
31/32 LIC LLC Site Code: 520356	37-29 31ST STREET	NE 1/4 - 1/2 (0.364 mi.)	AR352	88
31/32 LIC LLC - OFF- Site Code: 534977	37-29 31ST STREET	NE 1/4 - 1/2 (0.364 mi.)	AR353	89
37-11 30TH STREET Site Code: 567680	37-11 30TH STREET AN	NE 1/4 - 1/2 (0.377 mi.)	AW361	91

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER UNION WIRE DI Site Code: 517267	39-40 30TH STREET	ENE 1/8 - 1/4 (0.148 mi.)	S177	46
FORMER UNION WIRE DI Site Code: 492945	***39-40 30TH STREET***	***ENE 1/8 - 1/4 (0.148 mi.)***	***S178***	***47***
QUEENS PLAZA RESIDEN Site Code: 503091	28-30 JACKSON AVENUE	SSW 1/8 - 1/4 (0.168 mi.)	V209	53
FRESH CLEANERS & LAU Site Code: 480014 Site Code: 464609	***39-26 30TH ST***	***NE 1/8 - 1/4 (0.173 mi.)***	***U219***	***56***
QUEENS PLAZA RESIDEN	***28-10 JACKSON AVENUE***	***SSW 1/8 - 1/4 (0.184 mi.)***	***V236***	***60***

Site Code: 504593				
QUEENS PLAZA RESIDEN Site Code: 379475	28-02 JACKSON AVENUE	SSW 1/8 - 1/4 (0.188 mi.)	V242	62
QUEENS PLAZA RESIDEN Site Code: 515750	28-02 JACKSON AVENUE	SSW 1/8 - 1/4 (0.188 mi.)	V243	62
QUEENS PLAZA RESIDEN Site Code: 483795	28-02/28-30 JACKSON	S 1/8 - 1/4 (0.229 mi.)	AH302	75
23-10 QUEENS PLAZA S Site Code: 491518	***23-10 QUEENS PLAZA S***	***W 1/8 - 1/4 (0.235 mi.)***	***AK314***	***78***
DOUBLE E PLATING CO Site Code: 499923	***22-07 41ST AVE***	***NW 1/8 - 1/4 (0.249 mi.)***	***AO332***	***82***
FORMER HYGRADE POLIS Site Code: 520289	22-07 41ST AVENUE	NW 1/8 - 1/4 (0.249 mi.)	AO335	83
23-01 42ND ROAD Site Code: 484397	***23-01 42ND ROAD***	***W 1/4 - 1/2 (0.252 mi.)***	***AK339***	***84***
22-09 QUEENS PLAZA N Site Code: 607949	22-09 QUEENS PLAZA N	WNW 1/4 - 1/2 (0.253 mi.)	AM340	84
27-01 JACKSON AVENUE Site Code: 567169	27-01 JACKSON AVENUE	SW 1/4 - 1/2 (0.284 mi.)	AL342	85
QUEENS PLAZA TAXI Site Code: 532742	42-50 24TH STREET	WSW 1/4 - 1/2 (0.295 mi.)	AP344	85
26-32 JACKSON AVENUE Site Code: 571176	26-32 JACKSON AVENUE	SW 1/4 - 1/2 (0.303 mi.)	AQ346	87
PURVES STREET DEVELO Site Code: 493090	***44-18 PURVES STREET***	***SW 1/4 - 1/2 (0.348 mi.)***	***AQ350***	***88***
44-30 PURVES STREET Site Code: 492842	***44-30 PURVES STREET***	***SSW 1/4 - 1/2 (0.365 mi.)***	***AS355***	***89***
SWINGSTELL, LLC Site Code: 57873	***32-00 SKILLMAN AVENU***	***SE 1/4 - 1/2 (0.398 mi.)***	***AX366***	***92***
THE WILLS BUILDING Site Code: 490427	***43-01 21ST STREET***	***W 1/4 - 1/2 (0.425 mi.)***	***BB376***	***95***
QUEENS MEDALLION LEA Site Code: 487959 Site Code: 382863	***21-03 44TH AVENUE***	***WSW 1/4 - 1/2 (0.464 mi.)***	***BE390***	***99***
DOT RELOCATION SITE Site Code: 569681	38-21 12TH STREET	NNW 1/4 - 1/2 (0.474 mi.)	394	100
SILVER STAR AUTO RES Site Code: 490213	***37-14 36TH STREET***	***E 1/4 - 1/2 (0.493 mi.)***	***397***	***101***

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

NY Spills: A review of the NY Spills list, as provided by EDR, and dated 11/09/2020 has revealed that

there are 30 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NEWCOMBERS HIGH SCHO Spill Number/Closed Date: 0011166 / 2003-02-19 Site ID: 85534 Spill Date: 2001-01-12	28-01 41ST AVE	NNW 0 - 1/8 (0.021 mi.)	A10	10
40-41 27TH ST Spill Number/Closed Date: 0003871 / 2003-02-12 Site ID: 241232 Spill Date: 2000-06-29	40-41 27TH ST	NNW 0 - 1/8 (0.064 mi.)	B36	15
MAMM REALTY Spill Number/Closed Date: 9803835 / Not Reported Site ID: 85226 Spill Date: 1998-06-25	25-17 41ST AVE	NW 0 - 1/8 (0.079 mi.)	B52	18
A TO Z COMPANY Spill Number/Closed Date: 9510520 / 1995-11-21 Site ID: 269811 Spill Date: 1995-11-21	25-15 41ST AVE	NW 0 - 1/8 (0.094 mi.)	B71	23
41ST & CRESCENT AVES Spill Number/Closed Date: 8202131 / 1989-06-30 Site ID: 175052 Spill Date: 1983-03-18	41ST ST / CRESENT AV	NW 0 - 1/8 (0.118 mi.)	G122	34

Lower Elevation	Address	Direction / Distance	Map ID	Page
DON'S CORP Spill Number/Closed Date: 1307893 / 2013-11-05 Site ID: 488594 Spill Date: 2013-11-01	28-16 41ST AVE	ESE 0 - 1/8 (0.005 mi.)	A5	8
29-28 41ST AVE Spill Number/Closed Date: 9407016 / 1994-08-24 Site ID: 237380 Spill Date: 1994-01-13	29028 41ST AVENUE	SE 0 - 1/8 (0.050 mi.)	C17	11
VAULT 3202 Spill Number/Closed Date: 0010485 / 2002-01-10 Spill Number/Closed Date: 0100631 / 2001-08-22 Site ID: 221732 Site ID: 328833 Spill Date: 2000-12-18 Spill Date: 2001-04-17	28-19 BRIDGE PLAZA	SSW 0 - 1/8 (0.059 mi.)	D31	14
41-15 27TH AVE Spill Number/Closed Date: 0001316 / 2000-05-03 Site ID: 162794 Spill Date: 2000-05-01	41-15 27TH AVE	WNW 0 - 1/8 (0.060 mi.)	B32	14
SPILL NUMBER 0201484 Spill Number/Closed Date: 0201484 / 2003-06-19 Site ID: 79201 Spill Date: 2002-05-09	41-19 27TH ST	WNW 0 - 1/8 (0.060 mi.)	B34	14
VS #4592 Spill Number/Closed Date: 0512371 / 2006-04-03 Site ID: 358678	28 STREET & BRIDGE P	SW 0 - 1/8 (0.075 mi.)	D45	17

Spill Date: 2006-01-25				
SPILL NUMBER 0300295 Spill Number/Closed Date: 0300295 / 2004-03-30 Site ID: 155539 Spill Date: 2003-04-09	QUEENS PLZ/28TH ST	SW 0 - 1/8 (0.075 mi.)	D46	17
MH557 Spill Number/Closed Date: 0003065 / 2001-09-26 Site ID: 302832 Spill Date: 2000-06-12	29TH ST AND QUEENS B	SSW 0 - 1/8 (0.090 mi.)	D65	21
MTA/LIRR-EASTSIDE AC Spill Number/Closed Date: 0210085 / 2003-07-07 Site ID: 177025 Spill Date: 2003-01-03	29-85 NORTHERN BLVD.	ESE 0 - 1/8 (0.098 mi.)	K82	25
CONSTRUCTION SITE Spill Number/Closed Date: 1003328 / 2010-06-28 Site ID: 436548 Spill Date: 2010-06-24	2985 NORTHER BLVD	ESE 0 - 1/8 (0.098 mi.)	K83	25
CONSTRUCTION SITE Spill Number/Closed Date: 1201533 / 2012-09-26 Spill Number/Closed Date: 0210866 / 2003-07-07 Site ID: 464250 Site ID: 100375 Spill Date: 2012-05-17 Spill Date: 2003-01-29	2985 NORTHERN BLVD	ESE 0 - 1/8 (0.098 mi.)	K84	25
MANHOLE 880 Spill Number/Closed Date: 0514441 / 2006-06-14 Site ID: 361167 Spill Date: 2006-03-17	NORTHERN BLVD & 41 A	SE 0 - 1/8 (0.103 mi.)	J89	27
DEP DIESEL SPILL AT Spill Number/Closed Date: 1205538 / 2012-09-04 Site ID: 468495 Spill Date: 2012-09-02	122-01 NORTHERN BLVD	ESE 0 - 1/8 (0.104 mi.)	K94	28
MTA EAST SIDE ACCESS Spill Number/Closed Date: 1201536 / 2012-05-17 Site ID: 464253 Spill Date: 2012-05-16	29-85 NORTHERN BLVD	ESE 0 - 1/8 (0.108 mi.)	K101	29
MTCC CAPITOL CONSTRU Spill Number/Closed Date: 1100936 / 2011-04-26 Site ID: 448371 Spill Date: 2011-04-26	2985 NORTHERN BLVD	ESE 0 - 1/8 (0.108 mi.)	K103	30
MANHOLE # 8640 Spill Number/Closed Date: 0105507 / 2001-10-12 Site ID: 129777 Spill Date: 2001-08-20	28TH ST/QUEENS PLZ	SW 0 - 1/8 (0.108 mi.)	F105	30
MANHOLE #10639 Spill Number/Closed Date: 0000578 / 2002-01-16 Site ID: 197850 Spill Date: 2000-04-14	BRIDGE PLZ/28TH ST	SW 0 - 1/8 (0.108 mi.)	F106	31
FRONT OF 30-10 41ST Spill Number/Closed Date: 0006847 / 2000-09-11 Site ID: 158028	VAULT 678	SE 0 - 1/8 (0.111 mi.)	J111	32

Spill Date: 2000-09-09

VAULT 768 Spill Number/Closed Date: 0006840 / 2001-11-27 Site ID: 261412 Spill Date: 2000-09-09	30-10 41ST AVE	SE 0 - 1/8 (0.111 mi.)	J112	32
NYC TRANSIT AUTHORIT Spill Number/Closed Date: 9408603 / 2000-11-30 Site ID: 128281 Spill Date: 1994-09-28	29-60 NORTHERN BLVD	ESE 0 - 1/8 (0.111 mi.)	K113	32
NYC TRANSIT BUILDING Spill Number/Closed Date: 9611135 / 2005-07-27 Site ID: 272801 Spill Date: 1996-12-04	29-70 NORTHERN BLVD	ESE 0 - 1/8 (0.114 mi.)	K118	33
GALASFEO JEWELRY Spill Number/Closed Date: 8905928 / 1989-09-16 Site ID: 272257 Spill Date: 1989-09-15	2932 NORTHERN BLVD	SSE 0 - 1/8 (0.114 mi.)	J119	33
GASETERIA Spill Number/Closed Date: 9912794 / 2017-10-24 Site ID: 311111 Spill Date: 2000-02-09	30-05/30-25 QUEENS B	S 0 - 1/8 (0.118 mi.)	M124	34
GASETERIA Spill Number/Closed Date: 9416874 / 1995-03-29 Spill Number/Closed Date: 0713169 / 2012-01-25 Spill Number/Closed Date: 9510715 / 2003-10-29 Spill Number/Closed Date: 0409014 / 2006-05-05 Site ID: 218867 Site ID: 394881 Site ID: 66801 Site ID: 333652 Spill Date: 1995-03-29 Spill Date: 2008-03-13 Spill Date: 1995-10-10 Spill Date: 2004-11-15	30-05 QUEENS BLVD	S 0 - 1/8 (0.118 mi.)	M127	35
CONSTRUCTION SITE Spill Number/Closed Date: 1610684 / 2017-02-28 Site ID: 541529 Spill Date: 2017-02-08	29-22 NORTHERN BLVD	SSE 0 - 1/8 (0.119 mi.)	J129	35

Other Ascertainable Records

RCRA NonGen / NLR: A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/14/2020 has revealed that there are 56 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CANAAN PRINTING EPA ID:: NYN008004095	***41-14 27TH ST***	***WNW 0 - 1/8 (0.080 mi.)***	***B54***	***19***
STELLAPOL CORP	***25-15 41ST AVE***	***NW 0 - 1/8 (0.094 mi.)***	***B70***	***22***

EPA ID:: NYD981179898				
CRISTOS AUTO BODY EPA ID:: NY0000037036	***25-11 41ST AVE***	***NW 0 - 1/8 (0.095 mi.)***	***B74***	***23***
CHRISS DAYTONA EPA ID:: NYR000095943	***25-11 41ST AVE BLOCK***	***NW 0 - 1/8 (0.095 mi.)***	***B77***	***24***
CRESCENT OWNERS LLC EPA ID:: NYR000227165	40-05 CRESCENT ST	N 1/8 - 1/4 (0.144 mi.)	T168	45
WHOLE SALE DRY CLEAN EPA ID:: NYN008011330	40-18 CRESCENT ST	NNW 1/8 - 1/4 (0.147 mi.)	T176	46
CON EDISION - TRF 06 EPA ID:: NYP004089926	***40 AVE N 37' W CRESC***	***NNW 1/8 - 1/4 (0.148 mi.)***	***T182***	***47***
QUEENBORO CLEANERS EPA ID:: NY0000082875	***40-35 24TH ST***	***NW 1/8 - 1/4 (0.161 mi.)***	***L197***	***51***
KONSTANDT LABS EPA ID:: NYD982720302	***27-14 39TH AVE***	***NNE 1/8 - 1/4 (0.209 mi.)***	***AF279***	***70***
NATIONAL TESTING LAB EPA ID:: NYR000085118	***27-14 39TH AVE - STO***	***NNE 1/8 - 1/4 (0.209 mi.)***	***AF280***	***71***
CON EDISON EPA ID:: NYP004759908	***27TH ST & 39TH AVE 2***	***NNE 1/8 - 1/4 (0.228 mi.)***	***AF300***	***75***
CON EDISON EPA ID:: NYP004785697	38-33 28TH ST	NNE 1/8 - 1/4 (0.239 mi.)	AF318	79

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
A D T SECURITIES EPA ID:: NYD987035581	***29-27 41ST AVE***	***SSE 0 - 1/8 (0.053 mi.)***	***C20***	***12***
CON EDISION - V3202 EPA ID:: NYP004079927	***28-19 BRIDGE PLAZA N***	***SW 0 - 1/8 (0.059 mi.)***	***D28***	***13***
SWEETHEART PRODUCTIO EPA ID:: NYR000053660	***27-01 QUEENS PLZ N***	***WSW 0 - 1/8 (0.076 mi.)***	***D47***	***17***
BRIDGE PLAZA TECH CE EPA ID:: NYR000098541	***27-01 BRIDGE PLZ N -***	***WSW 0 - 1/8 (0.087 mi.)***	***F60***	***20***
CON EDISON MANHOLE: EPA ID:: NYP004467437	***2942 QUEENS PLAZA***	***SSE 0 - 1/8 (0.098 mi.)***	***J81***	***25***
MTA-LIRR - THE MANHA EPA ID:: NYR000111054	***29-69 NORTHERN BLVD***	***ESE 0 - 1/8 (0.099 mi.)***	***K85***	***26***
NYC DEP EPA ID:: NYP003663986	***2915 40TH RD***	***ENE 0 - 1/8 (0.101 mi.)***	***I87***	***26***
CON EDISON MANHOLE 8 EPA ID:: NYP004142360	NORTHERN BLVD & 41 A	SE 0 - 1/8 (0.102 mi.)	J88	27
NYCTA - NORTHERN BLV EPA ID:: NYD987021490	***29-70 NORTHERN BLVD***	***ESE 0 - 1/8 (0.107 mi.)***	***K100***	***29***
DAYTONA COLLISION EPA ID:: NYD155043771	41-17 CRESCENT ST	WNW 0 - 1/8 (0.108 mi.)	G107	31
NATIONAL HERALD EPA ID:: NYN008004103	41-17 CRESCENT ST	WNW 0 - 1/8 (0.108 mi.)	G109	31
NYCT SKILLMAN SUBSTA	30-26 41ST AVE	SE 0 - 1/8 (0.124 mi.)	J137	37

EPA ID:: NYP000975712				
NYCTA - SUPERIOR REE	***29-50 NORTHERN BLVD***	***ESE 1/8 - 1/4 (0.131 mi.)***	***N142***	***38***
EPA ID:: NYR000102319				
PRIMO PAINTING	***30-30 NORTHERN BLVD***	***S 1/8 - 1/4 (0.131 mi.)***	***M146***	***39***
EPA ID:: NYD986952604				
MTA NYCT	***JACKSON AVE & QUEENS***	***S 1/8 - 1/4 (0.138 mi.)***	***M156***	***42***
EPA ID:: NYP000966416				
NYC MTA	***JACKSON AVE WB & QUE***	***S 1/8 - 1/4 (0.138 mi.)***	***M157***	***42***
EPA ID:: NYP000966176				
NYCTA	***30-19 NORTHERN BLVD***	***ENE 1/8 - 1/4 (0.144 mi.)***	***S166***	***44***
EPA ID:: NYR000007732				
CON EDISON	42-12 28TH ST	SW 1/8 - 1/4 (0.146 mi.)	P172	45
EPA ID:: NYP004782116				
QUEENS IRON WORK & S	***29-76 NORTHERN BLVD***	***ESE 1/8 - 1/4 (0.148 mi.)***	***K185***	***48***
EPA ID:: NYR000089201				
CON EDISON SERVICE B	***41-39 24TH ST***	***WNW 1/8 - 1/4 (0.167 mi.)***	***Q208***	***53***
EPA ID:: NYP004442398				
TALLY LEASING CORP	30-17 40TH AVE	ENE 1/8 - 1/4 (0.170 mi.)	S214	55
EPA ID:: NYD987013273				
CON EDISON MANHOLE:	***NORTHERN BLVD & 40TH***	***ENE 1/8 - 1/4 (0.179 mi.)***	***S228***	***59***
EPA ID:: NYP004449062				
CON EDISON SERVICE B	***41-30 24TH ST***	***WNW 1/8 - 1/4 (0.182 mi.)***	***Y234***	***60***
EPA ID:: NYP004442406				
VERDERAME CONSTRUCTI	***24-16 QUEENS PLZ S V***	***W 1/8 - 1/4 (0.187 mi.)***	***X240***	***61***
EPA ID:: NYD986954261				
GORDON-GRUENSTEIN IN	***30-30 NORTHERN BLVD***	***E 1/8 - 1/4 (0.188 mi.)***	***Z245***	***62***
EPA ID:: NYD001282821				
CON EDISON SERVICE B	***24TH ST & QUEENS PLA***	***W 1/8 - 1/4 (0.188 mi.)***	***AA246***	***63***
EPA ID:: NYP004442372				
NYSDEC REGION2 SPILL	***27TH ST & 42ND RD***	***WSW 1/8 - 1/4 (0.189 mi.)***	***AB249***	***63***
EPA ID:: NYP000972521				
CON EDISON SERVICE B	***41-50 24TH ST***	***WNW 1/8 - 1/4 (0.190 mi.)***	***AA251***	***64***
EPA ID:: NYP004442380				
J BROTHERS AUTO BODY	***28-20 42ND RD***	***SSW 1/8 - 1/4 (0.190 mi.)***	***AC252***	***64***
EPA ID:: NYR000039644				
ANOCA PLATING SERVIC	***27-04 42ND RD***	***SW 1/8 - 1/4 (0.193 mi.)***	***AB253***	***64***
EPA ID:: NYD041565748				
MAACO AUTO PAINTING	***31-02 NORTHERN BLVD***	***E 1/8 - 1/4 (0.199 mi.)***	***Z257***	***65***
EPA ID:: NYD982271777				
MONICA GAS ENTERPRIS	***2301 41ST AVE***	***NW 1/8 - 1/4 (0.201 mi.)***	***Y265***	***67***
EPA ID:: NYR000059444				
CON EDISON	***42ND RD & JACKSON AV***	***SSW 1/8 - 1/4 (0.202 mi.)***	***AC269***	***68***
EPA ID:: NYP004744470				
KENT BRAGALINE INC	***27-45 JACKSON AVE***	***SW 1/8 - 1/4 (0.213 mi.)***	***AC286***	***72***
EPA ID:: NYR000075630				
BURNHAM PRODUCTS COR	***42-24 ORCHARD ST***	***SSW 1/8 - 1/4 (0.218 mi.)***	***AH292***	***73***

EPA ID:: NYD001726496				
CON EDISON EPA ID:: NYP004882094	42-24 ORCHARD ST	SSW 1/8 - 1/4 (0.218 mi.)	AH293	74
CON EDISON MANHOLE: EPA ID:: NYP004460309	***QUEENS ST & JACKSON***	***SSW 1/8 - 1/4 (0.231 mi.)***	***AC304***	***76***
CON EDISON EPA ID:: NYP004883944	24-04 42ND RD	WSW 1/8 - 1/4 (0.234 mi.)	AJ306	76
QUEENS PLAZA S DEVEL EPA ID:: NYR000238592	23-10 QUEENS PLAZA S	W 1/8 - 1/4 (0.235 mi.)	AK312	77
MTA NYCTA FLUSHING L EPA ID:: NYR000161109	***2310 QUEENS PLAZA S***	***W 1/8 - 1/4 (0.235 mi.)***	***AK313***	***78***
EPPY PLATING EPA ID:: NYD078517307	42-40 CRESCENT ST	WSW 1/8 - 1/4 (0.235 mi.)	AJ315	78
CON EDISON EPA ID:: NYP004767083	42-02 QUEENS PLAZA S	SSW 1/8 - 1/4 (0.239 mi.)	AH322	80
CON ED - V 7677 EPA ID:: NYP004003646	***W/S 24 ST/42 RD***	***WSW 1/8 - 1/4 (0.243 mi.)***	***AJ329***	***81***
HYGRADE POLISHING & EPA ID:: NYN008007973	22-07 41ST AVE	NW 1/8 - 1/4 (0.249 mi.)	AO334	83

FUDS: A review of the FUDS list, as provided by EDR, and dated 09/29/2020 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
ARMY PICTURIAL CEN		ENE 1/2 - 1 (0.760 mi.)	BG410	106
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
NAVAL SHIPYARD QUEEN		NNW 1/2 - 1 (0.666 mi.)	404	104

NY DRYCLEANERS: A review of the NY DRYCLEANERS list, as provided by EDR, and dated 12/02/2020 has revealed that there are 5 NY DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WORLD CLASS GARMENT Facility Id: 2-6304-01483	27-09 40TH AVENUE	NNE 1/8 - 1/4 (0.131 mi.)	O144	39
CK1 PROCLEANERS Facility Id: 2-6304-01374	40-18 CRESCENT ST	NNW 1/8 - 1/4 (0.147 mi.)	T174	46
QUEENS BORO CLEANERS Facility Id: 2-6304-00510	40-35 24TH STREET	NW 1/8 - 1/4 (0.161 mi.)	L199	51
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
CITY WIDE CLEANERS	39-28 30TH STREET	NE 1/8 - 1/4 (0.169 mi.)	U210	54

EXECUTIVE SUMMARY

Facility Id: ---

QUEENS BORO CLEANERS ***39-26 30TH ST*** ***NE 1/8 - 1/4 (0.173 mi.)*** ***U217*** ***55***

Facility Id: 2-6304-01375

NY E DESIGNATION: A review of the NY E DESIGNATION list, as provided by EDR, and dated 11/19/2020 has revealed that there are 37 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 7501,TAXBLOCK 41	27-16 41 AVENUE	NW 0 - 1/8 (0.035 mi.)	A15	11
LOT 28,TAXBLOCK 416	27-04 41 AVENUE	NW 0 - 1/8 (0.048 mi.)	B16	11
LOT 6,TAXBLOCK 405	41 AVENUE	NNW 0 - 1/8 (0.053 mi.)	B19	11
LOT 5,TAXBLOCK 405	27-01 41 AVENUE	NNW 0 - 1/8 (0.056 mi.)	B24	12
LOT 37,TAXBLOCK 405	40-32 28 STREET	N 0 - 1/8 (0.057 mi.)	B26	13
LOT 36,TAXBLOCK 405	40-30 28 STREET	N 0 - 1/8 (0.060 mi.)	E33	14
LOT 9,TAXBLOCK 405	40-39 27 STREET	NNW 0 - 1/8 (0.063 mi.)	B35	15
LOT 10,TAXBLOCK 405	40-37 27 STREET	NNW 0 - 1/8 (0.065 mi.)	B38	15
LOT 7,TAXBLOCK 405	27-01 41 AVENUE	NW 0 - 1/8 (0.067 mi.)	B42	16
LOT 33,TAXBLOCK 405	40-22 28 STREET	N 0 - 1/8 (0.074 mi.)	E44	17
LOT 32,TAXBLOCK 405	40-18 28 STREET	N 0 - 1/8 (0.077 mi.)	E49	18
LOT 1,TAXBLOCK 406	25-17 41 AVENUE	NW 0 - 1/8 (0.077 mi.)	B50	18
LOT 10,TAXBLOCK 406	25 STREET	NW 0 - 1/8 (0.077 mi.)	B51	18
LOT 26,TAXBLOCK 415	25-20 41 AVENUE	NW 0 - 1/8 (0.079 mi.)	B53	19
LOT 28,TAXBLOCK 415	41-14 27 STREET	WNW 0 - 1/8 (0.084 mi.)	B58	20
LOT 34,TAXBLOCK 405	40-26 28 STREET	NNE 0 - 1/8 (0.085 mi.)	E59	20
LOT 17,TAXBLOCK 405	40-19 27 STREET	N 0 - 1/8 (0.088 mi.)	E61	20
LOT 16,TAXBLOCK 405	40-21 27 STREET	N 0 - 1/8 (0.092 mi.)	H67	22
LOT 38,TAXBLOCK 406	27 STREET	NNW 0 - 1/8 (0.093 mi.)	H68	22
LOT 2,TAXBLOCK 406	25-11 41 AVENUE	NW 0 - 1/8 (0.095 mi.)	B78	24
LOT 31,TAXBLOCK 405	40-16 28 STREET	NNE 0 - 1/8 (0.096 mi.)	E79	24
LOT 29,TAXBLOCK 405	40-12 28 STREET	NNE 0 - 1/8 (0.100 mi.)	E86	26
LOT 26,TAXBLOCK 405	27-20 40 AVENUE	NNE 0 - 1/8 (0.104 mi.)	E90	27
LOT 13,TAXBLOCK 405	40-29 27 STREET	N 0 - 1/8 (0.106 mi.)	H99	29
LOT 8,TAXBLOCK 406	41 AVENUE	NW 0 - 1/8 (0.112 mi.)	L115	32
LOT 24,TAXBLOCK 415	25-12 41 AVENUE	NW 0 - 1/8 (0.115 mi.)	G120	33
LOT 12,TAXBLOCK 406	40-25 CRESCENT STREE	NNW 0 - 1/8 (0.115 mi.)	H121	34
LOT 11,TAXBLOCK 406	CRESCENT STREET	NNW 0 - 1/8 (0.118 mi.)	L123	34
LOT 29,TAXBLOCK 406	40-14 27 STREET	N 0 - 1/8 (0.118 mi.)	H128	35

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOT 20,TAXBLOCK 417	28-12 41 AVENUE	0 - 1/8 (0.000 mi.)	A3	8
LOT 14,TAXBLOCK 417	41-11 28 STREET	WSW 0 - 1/8 (0.006 mi.)	A6	9
LOT 10,TAXBLOCK 416	27-01 QUEENS PLAZA N	WSW 0 - 1/8 (0.058 mi.)	D27	13
LOT 21,TAXBLOCK 416	41-21 27 STREET	WNW 0 - 1/8 (0.089 mi.)	G64	21
LOT 18,TAXBLOCK 402	29-13 40 ROAD	ENE 0 - 1/8 (0.093 mi.)	I69	22
LOT 16,TAXBLOCK 402	29-15 40 ROAD	ENE 0 - 1/8 (0.097 mi.)	I80	25
LOT 28,TAXBLOCK 402	29-14 40 AVENUE	ENE 0 - 1/8 (0.114 mi.)	I116	33
LOT 30,TAXBLOCK 402	29-16 40 AVENUE	ENE 0 - 1/8 (0.121 mi.)	I136	37

EXECUTIVE SUMMARY

NY MANIFEST: A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there are 94 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NYC DEPT OF EDUCATIO EPA ID: NYR000224360	28-01 41ST AVE	NNW 0 - 1/8 (0.021 mi.)	A11	10
NYC DEPT OF EDUCATIO EPA ID: NYR000237461	40-11 28TH ST	NNE 0 - 1/8 (0.059 mi.)	E30	14
STELLAPOL CORP EPA ID: NYD981179898	***25-15 41ST AVE***	***NW 0 - 1/8 (0.094 mi.)***	***B70***	***22***
CRISTOS AUTO BODY EPA ID: NY0000037036	***25-11 41ST AVE***	***NW 0 - 1/8 (0.095 mi.)***	***B74***	***23***
CHRISS DAYTONA EPA ID: NYR000095943	***25-11 41ST AVE BLOCK***	***NW 0 - 1/8 (0.095 mi.)***	***B77***	***24***
ALPIANS FANCY CLEANE EPA ID: NYR000019000	***27-09 40TH AVE***	***NNE 1/8 - 1/4 (0.131 mi.)***	***O143***	***38***
COSMOCAR INC EPA ID: NYD987032109	***40-34 CRESCENT ST***	***NW 1/8 - 1/4 (0.136 mi.)***	***L153***	***41***
CRESCENT OWNERS LLC EPA ID: NYR000227165	40-05 CRESCENT ST	N 1/8 - 1/4 (0.144 mi.)	T169	45
WHOLE SALE DRY CLEAN EPA ID: NYN008011330	40-18 CRESCENT ST	NNW 1/8 - 1/4 (0.147 mi.)	T175	46
CON EDISION - TRF 06 EPA ID: NYP004089926	***40 AVE N 37' W CRESC***	***NNW 1/8 - 1/4 (0.148 mi.)***	***T182***	***47***
QUEENBORO CLEANERS EPA ID: NY0000082875	***40-35 24TH ST***	***NW 1/8 - 1/4 (0.161 mi.)***	***L197***	***51***
PARISHVILLE EPA ID: NYD000082875	***56 RIVER HOUSE DR***	***NW 1/8 - 1/4 (0.161 mi.)***	***L198***	***51***
CON EDISON EPA ID: NYP004618971	39-06 30TH ST	NE 1/8 - 1/4 (0.196 mi.)	U254	65
KONSTANDT LABS EPA ID: NYD982720302	***27-14 39TH AVE***	***NNE 1/8 - 1/4 (0.209 mi.)***	***AF279***	***70***
NATIONAL TESTING LAB EPA ID: NYR000085118	***27-14 39TH AVE - STO***	***NNE 1/8 - 1/4 (0.209 mi.)***	***AF280***	***71***
CON EDISON EPA ID: NYP004759903	27TH ST & 39TH AVE	NNE 1/8 - 1/4 (0.228 mi.)	AF301	75
CON ED EPA ID: NYP004785697	38-33 28TH ST	NNE 1/8 - 1/4 (0.239 mi.)	AF317	79

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNIT MFG EPA ID: NYR000045377	***41-17 28TH ST***	***WSW 0 - 1/8 (0.014 mi.)***	***A8***	***9***
NYC DEPARTMENT OF ED EPA ID: NYR038210613	28 11 QUEENS PLAZA	SW 0 - 1/8 (0.053 mi.)	D18	11
A D T SECURITIES EPA ID: NYD987035581	***29-27 41ST AVE***	***SSE 0 - 1/8 (0.053 mi.)***	***C20***	***12***
QPP LLC	29-37 41ST AVE	SSE 0 - 1/8 (0.054 mi.)	C22	12

EPA ID: NYR000230581				
CON EDISION - V3202 EPA ID: NYP004079927	***28-19 BRIDGE PLAZA N***	***SW 0 - 1/8 (0.059 mi.)***	***D28***	***13***
NYC BOARD OF EDUCATI EPA ID: NYD987013588	28-11 QUEENS PLZ N	SSW 0 - 1/8 (0.066 mi.)	D39	15
SWEETHEART PRODUCTIO EPA ID: NYR000053660	***27-01 QUEENS PLZ N***	***WSW 0 - 1/8 (0.076 mi.)***	***D47***	***17***
BRIDGE PLAZA TECH CE EPA ID: NYR000098541	***27-01 BRIDGE PLZ N -***	***WSW 0 - 1/8 (0.087 mi.)***	***F60***	***20***
ATLANTIC PRECIOUS ME EPA ID: NYR000134338	***41-32 27TH ST***	***W 0 - 1/8 (0.091 mi.)***	***F66***	***21***
CON EDISON MANHOLE: EPA ID: NYP004467437	***2942 QUEENS PLAZA***	***SSE 0 - 1/8 (0.098 mi.)***	***J81***	***25***
NYC DEP EPA ID: NYP003663986	***2915 40TH RD***	***ENE 0 - 1/8 (0.101 mi.)***	***I87***	***26***
FALIDAS ASSCOCIATES EPA ID: NYR000123547	***25-01 QUEENS PLAZA N***	***WSW 0 - 1/8 (0.104 mi.)***	***F92***	***27***
CON EDISON EPA ID: NYP004619433	25-17 QUEENS PLAZA N	WSW 0 - 1/8 (0.104 mi.)	F93	28
MTA- EAST SIDE ACCES EPA ID: NYR000112896	***29-54 NORTHERN BLVD***	***SE 0 - 1/8 (0.105 mi.)***	***J97***	***29***
NYCTA - NORTHERN BLV EPA ID: NYD987021490	***29-70 NORTHERN BLVD***	***ESE 0 - 1/8 (0.107 mi.)***	***K100***	***29***
MTA- EAST SIDE ACCES EPA ID: NYR000200188	***29-85 NORTHERN BLVD***	***ESE 0 - 1/8 (0.108 mi.)***	***K102***	***30***
DAYTONA AUTO COLLISI EPA ID: NYD155043771	41-17 CRESCENT ST	WNW 0 - 1/8 (0.108 mi.)	G108	31
CON EDISON EPA ID: NYP004619441	25-01 QUEENS PLAZA N	W 0 - 1/8 (0.114 mi.)	F117	33
MTA NYCT QUEENS BLVD EPA ID: NYR000072959	***27TH ST & QUEENS BLV***	***WSW 0 - 1/8 (0.119 mi.)***	***F130***	***36***
CON EDISON EPA ID: NYP004645131	30-02 NORTHERN BLVD	SE 0 - 1/8 (0.121 mi.)	J135	37
CON ED EPA ID: NYP004859454	NORTHERN BLVD & 40 R	E 1/8 - 1/4 (0.126 mi.)	K138	37
CON EDISON EPA ID: NYP004618633	4120 CRESCENT ST	WNW 1/8 - 1/4 (0.128 mi.)	G139	37
NYCTA - SUPERIOR REE EPA ID: NYR000102319	***29-50 NORTHERN BLVD***	***ESE 1/8 - 1/4 (0.131 mi.)***	***N142***	***38***
NYNEX EPA ID: NYP000933135	NORTHERN BLVD & QUEE	S 1/8 - 1/4 (0.133 mi.)	M150	40
GOTHAM CENTER TOWER EPA ID: NYR000161406	***42-01 28TH STREET***	***SW 1/8 - 1/4 (0.135 mi.)***	***P152***	***41***
MTA NYCT EPA ID: NYP000966416	***JACKSON AVE & QUEENS***	***S 1/8 - 1/4 (0.138 mi.)***	***M156***	***42***
NYC MTA	***JACKSON AVE WB & QUE***	***S 1/8 - 1/4 (0.138 mi.)***	***M157***	***42***

EPA ID: NYP000966176				
CON EDISON EPA ID: NYP004700886	F/O 24-11 41 AV	NW 1/8 - 1/4 (0.141 mi.)	L164	44
NYCTA EPA ID: NYR000007732	***30-19 NORTHERN BLVD***	***ENE 1/8 - 1/4 (0.144 mi.)***	***S166***	***44***
CON EDISON EPA ID: NYP004618245	FO 42-12 28 ST	SW 1/8 - 1/4 (0.146 mi.)	P170	45
CON EDISON EPA ID: NYP004782116	42-12 28TH ST	SW 1/8 - 1/4 (0.146 mi.)	P173	46
CON EDISON EPA ID: NYP004849885	29-76 NORTHERN BLVD	ESE 1/8 - 1/4 (0.148 mi.)	K184	48
QUEENS IRON WORK & S EPA ID: NYR000089201	***29-76 NORTHERN BLVD***	***ESE 1/8 - 1/4 (0.148 mi.)***	***K185***	***48***
CON EDISON EPA ID: NYP004619458	24-19 QUEENS PLAZA N	W 1/8 - 1/4 (0.151 mi.)	Q191	50
CON EDISON EPA ID: NYP004619466	24-19 QUEENS PLZ N	W 1/8 - 1/4 (0.151 mi.)	Q192	50
CON EDISON SERVICE B EPA ID: NYP004442398	***41-39 24TH ST***	***WNW 1/8 - 1/4 (0.167 mi.)***	***Q208***	***53***
LIC TAXI SITE EPA ID: NYR000221721	30-17 40TH AVE	ENE 1/8 - 1/4 (0.170 mi.)	S213	54
ROSENWACH TANK CO LL EPA ID: NYD991290958	***40-25 CRESCENT ST***	***WSW 1/8 - 1/4 (0.170 mi.)***	***X216***	***55***
BRIDGE CLEANERS EPA ID: NYR000034363	39-26 30TH ST	NE 1/8 - 1/4 (0.173 mi.)	U218	56
CON EDISON EPA ID: NYP004672366	41-08 24TH ST	WNW 1/8 - 1/4 (0.177 mi.)	Y222	57
CON EDISON EPA ID: NYP004672374	41-08 24TH ST	WNW 1/8 - 1/4 (0.177 mi.)	Y223	57
OUTLET CITY INC EPA ID: NYD053174041	***42-16 WEST ST***	***S 1/8 - 1/4 (0.177 mi.)***	***V224***	***57***
MTA NYCT - JACKSON & EPA ID: NYR000078238	***28-20 JACKSON AVE***	***SSW 1/8 - 1/4 (0.177 mi.)***	***V226***	***58***
KOREA NEWS EPA ID: NYD987005857	***42-22 27TH ST***	***WSW 1/8 - 1/4 (0.178 mi.)***	***X227***	***58***
CON EDISON MANHOLE: EPA ID: NYP004449062	***NORTHERN BLVD & 40TH***	***ENE 1/8 - 1/4 (0.179 mi.)***	***S228***	***59***
CON EDISON EPA ID: NYP004502811	F/O 41-12 24TH ST	WNW 1/8 - 1/4 (0.180 mi.)	Y229	59
CON EDISON SERVICE B EPA ID: NYP004442406	***41-30 24TH ST***	***WNW 1/8 - 1/4 (0.182 mi.)***	***Y234***	***60***
LIC DEVELOPMENT OWNE EPA ID: NYR000212399	28-10 JACKSON AVE	SSW 1/8 - 1/4 (0.184 mi.)	V235	60
CON EDISON SERVICE B EPA ID: NYP004442372	***24TH ST & QUEENS PLA***	***W 1/8 - 1/4 (0.188 mi.)***	***AA246***	***63***
CON EDISON	42-06 CRESCENT ST	WSW 1/8 - 1/4 (0.188 mi.)	X247	63

EPA ID: NYP004618112				
NYSDEC REGION2 SPILL EPA ID: NYP000972521	27TH ST & 42ND RD	WSW 1/8 - 1/4 (0.189 mi.)	AB248	63
CON EDISON SERVICE B EPA ID: NYP004442380	***41-50 24TH ST***	***WNW 1/8 - 1/4 (0.190 mi.)***	***AA251***	***64***
J BROTHERS AUTO BODY EPA ID: NYR000039644	***28-20 42ND RD***	***SSW 1/8 - 1/4 (0.190 mi.)***	***AC252***	***64***
MAACO AUTO PAINTING EPA ID: NYD982271777	***31-02 NORTHERN BLVD***	***E 1/8 - 1/4 (0.199 mi.)***	***Z257***	***65***
CON ED EPA ID: NYP004854655	24TH ST & 40TH AVE	NNW 1/8 - 1/4 (0.201 mi.)	AE260	66
MONICA GAS ENTERPRIS EPA ID: NYR000059444	2301 41ST AVE	NW 1/8 - 1/4 (0.201 mi.)	Y264	67
CON EDISON EPA ID: NYP004744470 EPA ID: NYP004744850	42ND RD & JACKSON AV	SSW 1/8 - 1/4 (0.202 mi.)	AC271	69
APEX TECHNICAL SCHOO EPA ID: NYR000198275	***24-02 QUEENS PLAZA S***	***W 1/8 - 1/4 (0.202 mi.)***	***X274***	***69***
MAACO AUTO PAINTING EPA ID: NYR000004929	NORTHERN BLVD	E 1/8 - 1/4 (0.211 mi.)	Z284	71
KENT BRAGALINE INC EPA ID: NYR000075630	***27-45 JACKSON AVE***	***SW 1/8 - 1/4 (0.213 mi.)***	***AC286***	***72***
CON EDISON EPA ID: NYP004655791	FRONT 42-24 CRESENT	WSW 1/8 - 1/4 (0.214 mi.)	X287	72
MTA NYCT 23RD STREET EPA ID: NYR000196576	***23RD ST & 41ST AVE***	***NW 1/8 - 1/4 (0.215 mi.)***	***Y288***	***72***
CON EDISON - SERVICE EPA ID: NYP004899328	23 ST & 41 AVE	NW 1/8 - 1/4 (0.215 mi.)	Y290	73
BURNHAM PRODUCTS COR EPA ID: NYD001726496	***42-24 ORCHARD ST***	***SSW 1/8 - 1/4 (0.218 mi.)***	***AH292***	***73***
CON EDISON EPA ID: NYP004882098	4224 ORCHARD ST	SSW 1/8 - 1/4 (0.218 mi.)	AH296	74
CON EDISON - TRANSFO EPA ID: NYP005102298	42-24 ORCHARD ST	SSW 1/8 - 1/4 (0.218 mi.)	AH297	74
CON EDISON MANHOLE: EPA ID: NYP004460309	***QUEENS ST & JACKSON***	***SSW 1/8 - 1/4 (0.231 mi.)***	***AC304***	***76***
CON ED EPA ID: NYP004883944	24-04 42ND RD OPP	WSW 1/8 - 1/4 (0.234 mi.)	AJ307	76
COOPER WIRING DEVICE EPA ID: NYR000125492	***23-10 QUEENS PLAZA S***	***W 1/8 - 1/4 (0.235 mi.)***	***AK309***	***77***
23-10 QUEENS PLAZA S EPA ID: NYR000238592	23-10 QUEENS PLAZA S	W 1/8 - 1/4 (0.235 mi.)	AK311	77
MTA NYCTA FLUSHING L EPA ID: NYR000161109	***2310 QUEENS PLAZA S***	***W 1/8 - 1/4 (0.235 mi.)***	***AK313***	***78***
CON EDISON EPA ID: NYP004767083	42-02 QUEENS PLAZA S	SSW 1/8 - 1/4 (0.239 mi.)	AH321	80
CON EDISON	***27-35 JACKSON AVE***	***SW 1/8 - 1/4 (0.240 mi.)***	***AL325***	***81***

EPA ID: NYP004648903				
CON ED - V 7677 EPA ID: NYP004003646	***W/S 24 ST/42 RD***	***WSW 1/8 - 1/4 (0.243 mi.)***	***AJ329***	***81***
MTA NYCT - 39TH AVEN EPA ID: NYR000206953	***39TH AVE & 31ST ST***	***ENE 1/8 - 1/4 (0.248 mi.)***	***AN331***	***82***
DOUBLE E PLATING CO EPA ID: NYD001531094	22-07 41ST AVE	NW 1/8 - 1/4 (0.249 mi.)	AO333	83
WALKER E WHYTE INC EPA ID: NY0000915165	***22-14 40TH AVE***	***NNW 1/8 - 1/4 (0.249 mi.)***	***AG337***	***83***

PA MANIFEST: A review of the PA MANIFEST list, as provided by EDR, and dated 06/30/2018 has revealed that there are 2 PA MANIFEST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYS DEC - FRESH CLEA Generator EPA Id: NYR000034363	39-26 30TH ST	NE 1/8 - 1/4 (0.165 mi.)	U201	52
MTA NYCT - 39TH AVEN Generator EPA Id: NYR000206953	39TH AVE & 31ST ST	ENE 1/8 - 1/4 (0.248 mi.)	AN330	82

NJ MANIFEST: A review of the NJ MANIFEST list, as provided by EDR, and dated 12/31/2018 has revealed that there are 23 NJ MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COSMOCAR INC EPA Id: NYD987032109	***40-34 CRESCENT ST***	***NW 1/8 - 1/4 (0.136 mi.)***	***L153***	***41***
CON EDISON EPA Id: NYP004785697	38-33 28TH ST	NNE 1/8 - 1/4 (0.239 mi.)	AF319	79

Lower Elevation	Address	Direction / Distance	Map ID	Page
QUEENS PLAZA NORTH EPA Id: NYR000230581	29-37 41ST AVE	SSE 0 - 1/8 (0.054 mi.)	C23	12
ATLANTIC PRECIOUS ME EPA Id: NYR000134338	***41-32 27TH ST***	***W 0 - 1/8 (0.091 mi.)***	***F66***	***21***
FALIDAS ASSCOCIATES EPA Id: NYR000123547	***25-01 QUEENS PLAZA N***	***WSW 0 - 1/8 (0.104 mi.)***	***F92***	***27***
MTA- EAST SIDE ACCES EPA Id: NYR000112896	29-54 NORTHERN BLVD	SE 0 - 1/8 (0.105 mi.)	J96	28
MTA- EAST SIDE ACCES EPA Id: NYR000200188	29-85 NORTHERN BLVD	ESE 0 - 1/8 (0.108 mi.)	K104	30
GOTHAM CENTER TOWER EPA Id: NYR000161406	***42-01 28TH STREET***	***SW 1/8 - 1/4 (0.135 mi.)***	***P152***	***41***
NYCT - QUEENS PLAZA EPA Id: NYD987021482	***JACKSON AVE & QUEENS***	***S 1/8 - 1/4 (0.137 mi.)***	***M154***	***41***
NYC MTA	***JACKSON AVE WB & QUE***	***S 1/8 - 1/4 (0.138 mi.)***	***M157***	***42***

EPA Id: NYP000966176				
CON EDISON EPA Id: NYP004782116	42-12 28TH ST	SW 1/8 - 1/4 (0.146 mi.)	P171	45
CON EDISON - TRANSFO EPA Id: NYP004849885	29-76 NORTHERN BLVD	ESE 1/8 - 1/4 (0.148 mi.)	K187	49
ROSENWACH TANK CO LL EPA Id: NYD991290958	***40-25 CRESCENT ST***	***WSW 1/8 - 1/4 (0.170 mi.)***	***X216***	***55***
MTA NYCT - JACKSON & EPA Id: NYR000078238	***28-20 JACKSON AVE***	***SSW 1/8 - 1/4 (0.177 mi.)***	***V226***	***58***
CON EDISON - TRANSFO EPA Id: NYP004854655	24TH ST & 40TH AVE	NNW 1/8 - 1/4 (0.201 mi.)	AE258	66
CON EDISON - MANHOLE EPA Id: NYP004744850	42ND RD & JACKSON AV	SSW 1/8 - 1/4 (0.202 mi.)	AC268	68
CON EDISON EPA Id: NYP004744470	42 RD & JACKSON AVE	SSW 1/8 - 1/4 (0.202 mi.)	AC272	69
APEX TECHNICAL SCHOO EPA Id: NYR000198275	24-02 QUEENS PLAZA S	W 1/8 - 1/4 (0.202 mi.)	X273	69
MAACO AUTO PAINTING EPA Id: NYR000004929	***NORTHERN BLVD***	***E 1/8 - 1/4 (0.211 mi.)***	***Z285***	***72***
MTA NYCT 23RD STREET EPA Id: NYR000196576	23RD ST & 41ST AVE	NW 1/8 - 1/4 (0.215 mi.)	Y289	73
CON EDISON EPA Id: NYP004883944	24-04 42ND RD OPP	WSW 1/8 - 1/4 (0.234 mi.)	AJ308	77
MTA NYCTA FLUSHING L EPA Id: NYR000161109	***2310 QUEENS PLAZA S***	***W 1/8 - 1/4 (0.235 mi.)***	***AK313***	***78***
CON EDISON EPA Id: NYP004767083	42-02 QUEENS PLAZA S	SSW 1/8 - 1/4 (0.239 mi.)	AH324	80

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 2 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANCO TRANSMISSIONS C	2810 41ST AVE	NNE 0 - 1/8 (0.002 mi.)	A4	8

Lower Elevation	Address	Direction / Distance	Map ID	Page
GASETERIA OIL CORP	3005 QUEENS BLVD	S 0 - 1/8 (0.118 mi.)	M126	35

EXECUTIVE SUMMARY

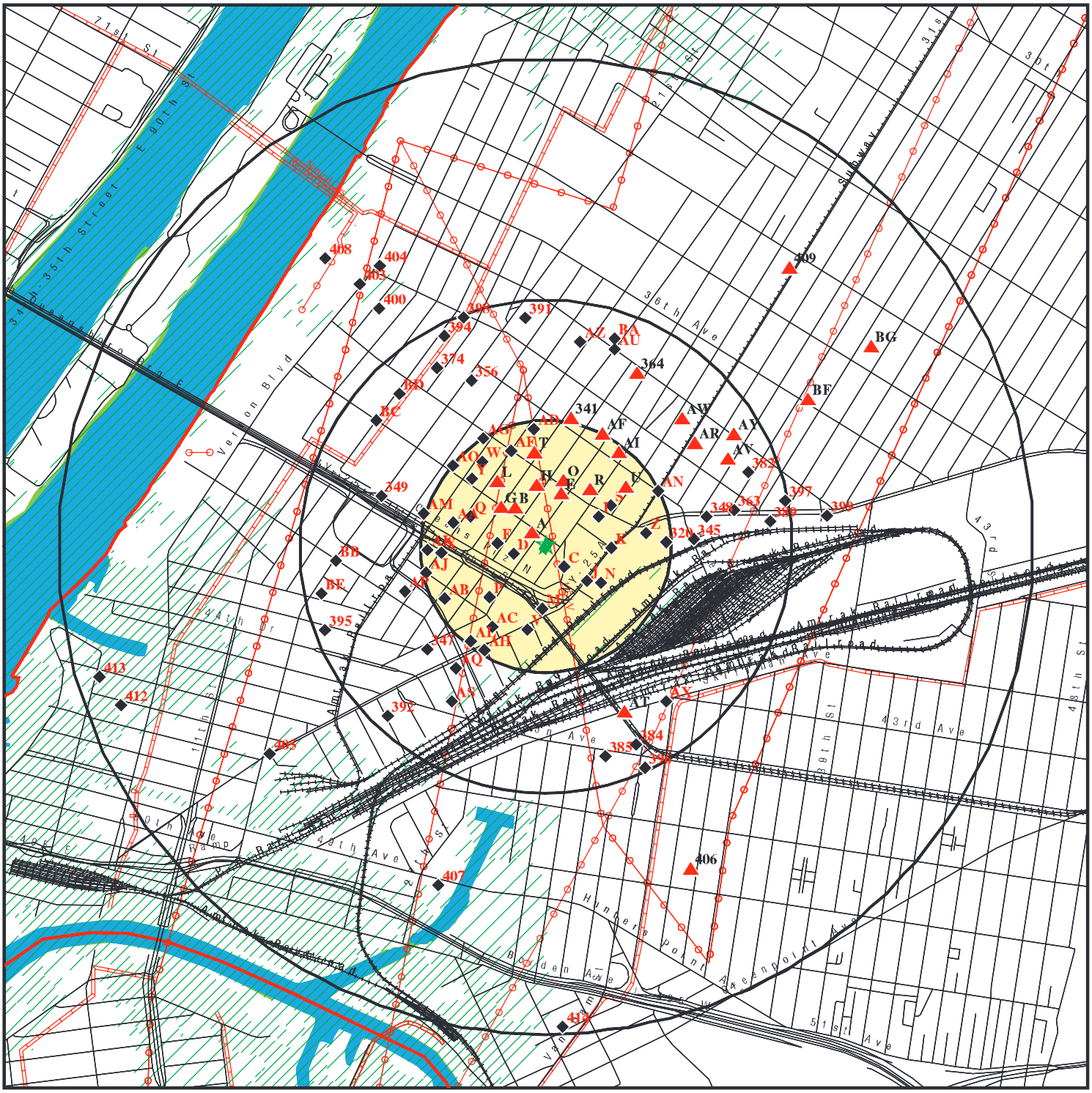
EDR Hist Cleaner: A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MIDNIGHT EXPRESS CLE	25-15 41ST AVE	NW 0 - 1/8 (0.094 mi.)	B72	23

Count: 11 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ASTORIA	S103479788	CON ED ASTORIA	31ST AVE		NY LTANKS
LONG ISLAND CITY	S126282050	GREEN & WHITE CLEANERS	47-46B 30TH ST	11101	NY DRYCLEANERS
LONG ISLAND CITY	1014201525	FLEMM LEAD CO.	52-01(-05) 31ST PLACE	11101	SEMS-ARCHIVE, LEAD SMELTERS
LONG ISLAND CITY	S121988458	CLOSED-LACKOF RECENT INFO	52020 37TH STREET		NY LTANKS
LONG ISLAND CITY	S116555661	APARTMENT BUILDING	43-14 40TH STREET		NY LTANKS
LONG ISLAND CITY	S113916711	44TH ROAD EAST OF 21ST STREET PLUM	44TH ROAD EAST OF 21ST STREET	11120	NY SHWS
LONG ISLAND CITY	S125896294	27-09 40TH AVENUE	27-03 AND 27-09/27-11 40TH AVE	11101	NY SHWS, NY BROWNFIELDS
LONG ISLAND CITY	S121933832	PURVES STREET GROUNDWATER	PURVES STREET BTW THOMPSON AVE	11101	NY SHWS
NEW YORK	S113917049	1ST AVENUE AND EAST 90TH STREET	1ST AVENUE AND EAST 90TH STREE		NY SHWS
QUEENS COUNTY	S113917043	QUEENS WEST - SOUTH	CENTER BLVD, 47TH RD, 48TH AVE	11101	NY SHWS
QUEENS COUNTY	S113916834	OUTLET CITY	QUEENS BLVD & JACKSON AVE		NY SHWS

OVERVIEW MAP - 6422752.2S

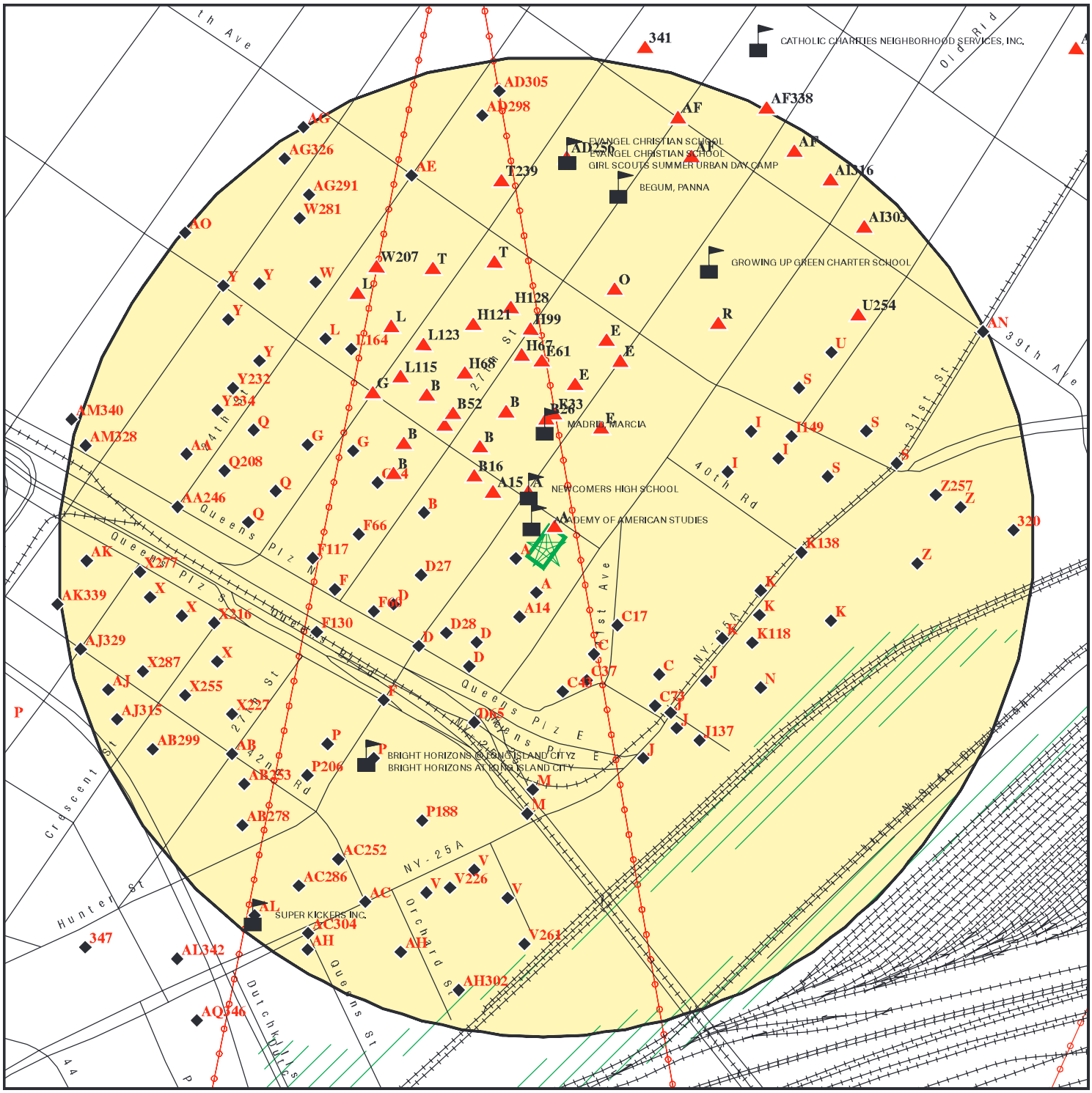


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: ICF2101	CLIENT: P.W. Grosser Consulting
ADDRESS: 2812 41st Avenue Long Island City NY 11101	CONTACT: Ryan Morley
LAT/LONG: 40.751027 / 73.937342	INQUIRY #: 6422752.2s DATE: March 26, 2021 8:18 am

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DETAIL MAP - 6422752.2S



- 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
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard

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: ICF2101	CLIENT: P.W. Grosser Consulting
ADDRESS: 2812 41st Avenue Long Island City NY 11101	CONTACT: Ryan Morley
LAT/LONG: 40.751027 / 73.937342	INQUIRY #: 6422752.2s DATE: March 26, 2021 8:19 am

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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								
Federal NPL site list								
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
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	3	NR	3
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		6	12	NR	NR	NR	18
RCRA-SQG	0.250		3	8	NR	NR	NR	11
RCRA-VSQG	0.250		2	6	NR	NR	NR	8
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
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	1	7	11	NR	19
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		0	0	1	NR	NR	1
State and tribal leaking storage tank lists								
INDIAN LUST	0.500		0	0	0	NR	NR	0
NY LTANKS	0.500		5	13	37	NR	NR	55
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	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
NY UST	0.250		8	33	NR	NR	NR	41
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY CBS	0.250		0	2	NR	NR	NR	2
NY MOSF	0.500		0	0	0	NR	NR	0
NY AST	0.250		14	31	NR	NR	NR	45
NY CBS AST	0.250		0	0	NR	NR	NR	0
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	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY RES DECL	0.125		0	NR	NR	NR	NR	0
NY ENG CONTROLS	0.500		0	4	6	NR	NR	10
NY INST CONTROL	0.500		0	4	7	NR	NR	11
State and tribal voluntary cleanup sites								
NY VCP	0.500		1	3	2	NR	NR	6
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY BROWNFIELDS	0.500		0	11	15	NR	NR	26
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 SWRCY	0.500		0	0	0	NR	NR	0
NY SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	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
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

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
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		30	NR	NR	NR	NR	30
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		16	40	NR	NR	NR	56
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
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	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	5	NR	NR	NR	6
NY E DESIGNATION	0.125		37	NR	NR	NR	NR	37

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 Financial Assurance	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	0	NR	NR	0
NY MANIFEST	0.250		25	69	NR	NR	NR	94
RI MANIFEST	0.250		0	0	NR	NR	NR	0
PA MANIFEST	0.250		0	2	NR	NR	NR	2
NJ MANIFEST	0.250		5	18	NR	NR	NR	23
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	0	NR	0
EDR Hist Auto	0.125		2	NR	NR	NR	NR	2
EDR Hist Cleaner	0.125	1	1	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 --		2	155	262	75	16	0	510

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
A1 **Target Property**	**NEW YORK/MAX JDJ CLEANERS(MOVED FR 2620601426)** **2812 41ST AVENUE** **LI CITY, NY 11101**	**NY DRYCLEANERS**	**S110247248** **N/A**
Actual: 33 ft.	Click here for full text details **NY DRYCLEANERS** Facility Id 2-6304-01605		
A2 **Target Property**	**MAX CLEANERS INC** **2812 41ST AVE** **LONG ISLAND CITY, NY 11101**	**EDR Hist Cleaner**	**1018695385** **N/A**
Actual: 33 ft.	Click here for full text details		
A3 **< 1/8** **1 ft.** **Relative: Lower**	**LOT 20,TAXBLOCK 417** **28-12 41 AVENUE** **QUEENS, NY 11101** Click here for full text details	**NY E DESIGNATION**	**S108469539** **N/A**
A4 **NNE** **< 1/8** **0.002 mi.** **9 ft.** **Relative: Higher**	**ANCO TRANSMISSIONS CORP** **2810 41ST AVE** **LONG ISLAND CITY, NY 11101** Click here for full text details	**EDR Hist Auto**	**1020942869** **N/A**
A5 **ESE** **< 1/8** **0.005 mi.** **24 ft.** **Relative: Lower**	**DON'S CORP** **28-16 41ST AVE** **LONG ISLAND CITY, NY 11101** Click here for full text details **NY Spills** Spill Number/Closed Date 1307893 / 2013-11-05 Site ID 488594 Spill Date 2013-11-01	**NY Spills**	**S114561250** **N/A**

A6
WSW
< 1/8
0.006 mi.
33 ft.

Relative:
Lower

LOT 14,TAXBLOCK 417
41-11 28 STREET
QUEENS, NY

NY E DESIGNATION **S114559772**
N/A

Click here for full text details

A7
SSW
< 1/8
0.014 mi.
72 ft.

Relative:
Lower

41-18 29TH STREET
41-18 29TH STREET
LONG ISLAND CITY, NY 11101

NY AST **U003383564**
N/A

Click here for full text details

NY AST
Facility Id 2-055115

A8
WSW
< 1/8
0.014 mi.
74 ft.

Relative:
Lower

UNIT MFG
41-17 28TH ST
LONG ISLAND CITY, NY 11101

RCRA-SQG **1001215437**
FINDS **NYR000045377**
ECHO
NY MANIFEST

Click here for full text details

RCRA-SQG
EPA Id NYR000045377

FINDS
Registry ID: 110004537653

ECHO
Registry ID 110004537653

NY MANIFEST
EPA ID NYR000045377

A9
NNW
< 1/8
0.021 mi.
113 ft.

Relative:
Higher

NYC DEPT OF EDUCATION - HS 450Q
28-01 41ST AVE
QUEENS, NY 11101

RCRA-SQG **1018159331**
FINDS **NYR000224360**
ECHO

Click here for full text details

RCRA-SQG
EPA Id NYR000224360

FINDS
Registry ID: 110067044692

ECHO

NYC DEPT OF EDUCATION - HS 450Q (Continued) **1018159331**

Registry ID 110067044692

A10
NNW
< 1/8
0.021 mi.
113 ft.

Relative:
Higher

NEWCOMBERS HIGH SCHOOL **NY Spills** **S104952114**
28-01 41ST AVE **N/A**
LONG ISLAND CITY, NY

Click here for full text details

NY Spills
Spill Number/Closed Date 0011166 / 2003-02-19
Site ID 85534
Spill Date 2001-01-12

A11
NNW
< 1/8
0.021 mi.
113 ft.

Relative:
Higher

NYC DEPT OF EDUCATION - HS 450Q **NY MANIFEST** **S118708584**
28-01 41ST AVE **N/A**
QUEENS, NY 11101

Click here for full text details

NY MANIFEST
EPA ID NYR000224360

A12
NNW
< 1/8
0.021 mi.
113 ft.

Relative:
Higher

NEWCOMERS HIGH SCHOOL (OLD LIC) Q450 **NY UST** **U004227332**
28-01 41ST AVENUE **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

A13
SSW
< 1/8
0.021 mi.
113 ft.

Relative:
Lower

41-20 29TH STREET **NY AST** **U003383566**
41-20 29TH STREET **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY AST
Facility Id 2-055131

A14
SSW
< 1/8
0.029 mi.
153 ft.

Relative:
Lower

41-24 29TH STREET **NY AST** **U003383565**
41-24 29TH STREET **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY AST
Facility Id 2-055123

A15
NW
< 1/8
0.035 mi.
184 ft.

Relative:
Higher

LOT 7501,TAXBLOCK 416
27-16 41 AVENUE
QUEENS, NY

NY E DESIGNATION **S113453294**
N/A

Click here for full text details

B16
NW
< 1/8
0.048 mi.
253 ft.

Relative:
Higher

LOT 28,TAXBLOCK 416
27-04 41 AVENUE
QUEENS, NY

NY E DESIGNATION **S108469550**
N/A

Click here for full text details

C17
SE
< 1/8
0.050 mi.
262 ft.

Relative:
Lower

29-28 41ST AVE
29028 41ST AVENUE
LONG ISLAND, NY

NY Spills **S102148648**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 9407016 / 1994-08-24
Site ID 237380
Spill Date 1994-01-13

D18
SW
< 1/8
0.053 mi.
279 ft.

Relative:
Lower

NYC DEPARTMENT OF EDUCATION
28 11 QUEENS PLAZA
LONG ISLAND CITY, NY 11101

NY MANIFEST **1009244478**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYR038210613

B19
NNW
< 1/8
0.053 mi.
279 ft.

Relative:
Higher

LOT 6,TAXBLOCK 405
41 AVENUE
QUEENS, NY

NY E DESIGNATION **S109318595**
N/A

Click here for full text details

C20
SSE
< 1/8
0.053 mi.
281 ft.

Relative: Lower

A D T SECURITIES
29-27 41ST AVE
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1000872345**
NY MANIFEST **NYD987035581**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYD987035581

NY MANIFEST
EPA ID NYD987035581

C21
SSE
< 1/8
0.054 mi.
286 ft.

Relative: Lower

29-37 41ST AVE
29-37 41ST AVENUE
LONG ISLAND CITY, NY 11101

NY AST **A100304608**
N/A

Click here for full text details

NY AST
Facility Id 2-347493

C22
SSE
< 1/8
0.054 mi.
286 ft.

Relative: Lower

QPP LLC
29-37 41ST AVE
LONG ISLAND CITY, NY 11101

NY MANIFEST **S120959673**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYR000230581

C23
SSE
< 1/8
0.054 mi.
286 ft.

Relative: Lower

QUEENS PLAZA NORTH
29-37 41ST AVE
LONG ISLAND CITY, NY 11101

NJ MANIFEST **S122377761**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYR000230581

B24
NNW
< 1/8
0.056 mi.
296 ft.

Relative: Higher

LOT 5,TAXBLOCK 405
27-01 41 AVENUE
QUEENS, NY

NY E DESIGNATION **S117676400**
N/A

Click here for full text details

B25
NW
< 1/8
0.056 mi.
296 ft.

Relative:
Higher

27-01 41ST AVENUE — **NY VCP** — **S118943297**
27-01 41ST AVENUE — **N/A**
NEW YORK CITY, NY

Click here for full text details

B26
North
< 1/8
0.057 mi.
303 ft.

Relative:
Higher

LOT 37,TAXBLOCK 405 — **NY E DESIGNATION** — **S109318527**
40-32 28 STREET — **N/A**
QUEENS, NY

Click here for full text details

D27
WSW
< 1/8
0.058 mi.
304 ft.

Relative:
Lower

LOT 10,TAXBLOCK 416 — **NY E DESIGNATION** — **S108469531**
27-01 QUEENS PLAZA NORTH — **N/A**
QUEENS, NY

Click here for full text details

D28
SW
< 1/8
0.059 mi.
313 ft.

Relative:
Lower

CON EDISION - V3202 — **RCRA NonGen / NLR** — **1007207991**
28-19 BRIDGE PLAZA NORTH 28-19 — **NY MANIFEST** — **NYP004079927**
NEW YORK, NY 10003

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004079927

NY MANIFEST
EPA ID NYP004079927

E29
NNE
< 1/8
0.059 mi.
313 ft.

Relative:
Higher

NYC DEPT OF EDUCATION HS 575Q — **RCRA-LQG** — **1024892151**
40-11 28TH ST — **NYR000237461**
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA-LQG
EPA Id NYR000237461

E30
NNE
< 1/8
0.059 mi.
313 ft.

Relative:
Higher

NYC DEPT OF EDUCATION HS 575Q
40-11 28TH ST
LONG ISLAND CITY, NY 11101

Click here for full text details

NY MANIFEST
EPA ID NYR000237461

NY MANIFEST **S123692797**
N/A

D31
SSW
< 1/8
0.059 mi.
314 ft.

Relative:
Lower

VAULT 3202
28-19 BRIDGE PLAZA
QUEENS, NY

Click here for full text details

NY Spills
Spill Number/Closed Date 0010485 / 2002-01-10
Spill Number/Closed Date 0100631 / 2001-08-22
Site ID 221732
Site ID 328833
Spill Date 2000-12-18
Spill Date 2001-04-17

NY Spills **S105056638**
N/A

B32
WNW
< 1/8
0.060 mi.
315 ft.

Relative:
Lower

41-15 27TH AVE
41-15 27TH AVE
LONG ISLAND CITY, NY

Click here for full text details

NY Spills
Spill Number/Closed Date 0001316 / 2000-05-03
Site ID 162794
Spill Date 2000-05-01

NY Spills **S104650673**
N/A

E33
North
< 1/8
0.060 mi.
317 ft.

Relative:
Higher

LOT 36,TAXBLOCK 405
40-30 28 STREET
QUEENS, NY 11101

Click here for full text details

NY E DESIGNATION **S109318525**
N/A

B34
WNW
< 1/8
0.060 mi.
319 ft.

Relative:
Lower

SPILL NUMBER 0201484
41-19 27TH ST
LONG ISLAND CITY, NY

Click here for full text details

NY Spills
Spill Number/Closed Date 0201484 / 2003-06-19
Site ID 79201

NY Spills **S106003430**
N/A

SPILL NUMBER 0201484 (Continued) **S106003430**

Spill Date 2002-05-09

B35
NNW
< 1/8
0.063 mi.
331 ft.

Relative:
Higher

LOT 9,TAXBLOCK 405
40-39 27 STREET
QUEENS, NY

NY E DESIGNATION **S109318622**
N/A

Click here for full text details

B36
NNW
< 1/8
0.064 mi.
336 ft.

Relative:
Higher

40-41 27TH ST
40-41 27TH ST
QUEENS, NY

NY Spills **S104654149**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0003871 / 2003-02-12
Site ID 241232
Spill Date 2000-06-29

C37
SSE
< 1/8
0.064 mi.
339 ft.

Relative:
Lower

GRANITE QUEENS PLAZA LLC
29-15 QUEENS PLAZA NORTH
LONG ISLAND CITY, NY 11101

NY AST **A100301611**
N/A

Click here for full text details

NY AST
Facility Id 2-607621

B38
NNW
< 1/8
0.065 mi.
345 ft.

Relative:
Higher

LOT 10,TAXBLOCK 405
40-37 27 STREET
QUEENS, NY

NY E DESIGNATION **S109318273**
N/A

Click here for full text details

D39
SSW
< 1/8
0.066 mi.
346 ft.

Relative:
Lower

NYC BOARD OF EDUCATION -PS 800Q
28-11 QUEENS PLZ N
LONG ISLAND CITY, NY 11101

NY MANIFEST **S119072296**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYD987013588

D40
SSW
< 1/8
0.066 mi.
346 ft.

Relative:
Lower

PS 153 M SCHOOL
1750 AMSTERDAM AVE
NEW YORK, NY 10031

RCRA-LQG **1000990424**
NY LTANKS **NYR000003830**

Click here for full text details

RCRA-LQG
EPA Id NYR000003830

NY LTANKS
Spill Number/Closed Date 0512409 / Not Reported
Site ID 358724
Spill Date 2006-01-26

D41
SSW
< 1/8
0.066 mi.
346 ft.

Relative:
Lower

NYC BOARD OF EDUCATION -PS 800Q
28-11 QUEENS PLZ N
QUEENS, NY 11101

RCRA-LQG **1000981115**
FINDS **NYD987013588**
ECHO

Click here for full text details

RCRA-LQG
EPA Id NYD987013588

FINDS
Registry ID: 110004494574
Registry ID: 110066947521

ECHO
Registry ID 110066947521

B42
NW
< 1/8
0.067 mi.
352 ft.

Relative:
Higher

LOT 7,TAXBLOCK 405
27-01 41 AVENUE
QUEENS, NY

NY E DESIGNATION **S109318605**
N/A

Click here for full text details

C43
South
< 1/8
0.067 mi.
353 ft.

Relative:
Lower

ENTERTAINMENT PRODUCTIONS INC.
29-11 QUEENS PLAZA NORTH
LONG ISLAND CITY, NY 11101

NY AST **S107782425**
N/A

Click here for full text details

NY AST
Facility Id 2-404322

E44
North
< 1/8
0.074 mi.
389 ft.

Relative:
Higher

LOT 33,TAXBLOCK 405
40-22 28 STREET
QUEENS, NY

Click here for full text details

NY E DESIGNATION **S109318503**
N/A

D45
SW
< 1/8
0.075 mi.
396 ft.

Relative:
Lower

VS #4592
28 STREET & BRIDGE PLAZA NORTH
QUEENS, NY

Click here for full text details

NY Spills
Spill Number/Closed Date 0512371 / 2006-04-03
Site ID 358678
Spill Date 2006-01-25

NY Spills **S107522372**
N/A

D46
SW
< 1/8
0.075 mi.
396 ft.

Relative:
Lower

SPILL NUMBER 0300295
QUEENS PLZ/28TH ST
QUEENS, NY

Click here for full text details

NY Spills
Spill Number/Closed Date 0300295 / 2004-03-30
Site ID 155539
Spill Date 2003-04-09

NY Spills **S106012973**
N/A

D47
WSW
< 1/8
0.076 mi.
399 ft.

Relative:
Lower

SWEETHEART PRODUCTIONS
27-01 QUEENS PLZ N
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000053660

FINDS
Registry ID: 110004542433

ECHO
Registry ID 110004542433

NY MANIFEST
EPA ID NYR000053660

RCRA NonGen / NLR **1001224150**
FINDS **NYR000053660**
ECHO
NY MANIFEST

D48
WSW
< 1/8
0.076 mi.
399 ft.

Relative:
Lower

27-01 BRIDGE PLAZA NORTH
27-01 QUEENS PLAZA NORTH
LONG ISLAND CITY, NY 11101

Click here for full text details

NY AST
Facility Id 2-611882
Facility Id 2-291854

NY AST **A100291977**
N/A

E49
North
< 1/8
0.077 mi.
406 ft.

Relative:
Higher

LOT 32,TAXBLOCK 405
40-18 28 STREET
QUEENS, NY 11101

Click here for full text details

NY E DESIGNATION **S109318492**
N/A

B50
NW
< 1/8
0.077 mi.
408 ft.

Relative:
Higher

LOT 1,TAXBLOCK 406
25-17 41 AVENUE
QUEENS, NY

Click here for full text details

NY E DESIGNATION **S109318268**
N/A

B51
NW
< 1/8
0.077 mi.
408 ft.

Relative:
Higher

LOT 10,TAXBLOCK 406
25 STREET
QUEENS, NY 11101

Click here for full text details

NY E DESIGNATION **S109318274**
N/A

B52
NW
< 1/8
0.079 mi.
417 ft.

Relative:
Higher

MAMM REALTY
25-17 41ST AVE
LONG ISLAND CITY, NY

Click here for full text details

NY Spills
Spill Number/Closed Date 9803835 / Not Reported
Site ID 85226
Spill Date 1998-06-25

NY Spills **S104073632**
N/A

B53
NW
< 1/8
0.079 mi.
417 ft.

Relative:
Higher

LOT 26,TAXBLOCK 415
25-20 41 AVENUE
QUEENS, NY

NY E DESIGNATION **S108469546**
N/A

Click here for full text details

B54
WNW
< 1/8
0.080 mi.
424 ft.

Relative:
Higher

CANAAN PRINTING
41-14 27TH ST
LONG ISLAND CITY, NY 11110

RCRA NonGen / NLR **1001119260**
FINDS **NYN008004095**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYN008004095

FINDS
Registry ID: 110008088069

ECHO
Registry ID 110008088069

C55
SE
< 1/8
0.083 mi.
436 ft.

Relative:
Lower

29 27 QUEENS PLAZA NORTH
29-27 QUEENS PLAZA NORTH/ 29-27 41ST AVE
LONG ISLAND CITY, NY 11101

NY UST **U004076771**
N/A

Click here for full text details

C56
SE
< 1/8
0.083 mi.
436 ft.

Relative:
Lower

29 27 QUEENS PLAZA NORTH
29-27 QUEENS PLAZA NORTH/ 29-27 41ST AVE
LONG ISLAND CITY, NY 11101

NY AST **U003178476**
N/A

Click here for full text details

NY AST
Facility Id 2-235040

C57
SE
< 1/8
0.084 mi.
442 ft.

Relative:
Lower

OFFICE BUILDING
29-27 NORTHERN BLVD
LONG ISLAND, NY

NY LTANKS **S108467715**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0612458 / 2007-02-16
Site ID 377316

OFFICE BUILDING (Continued) **S108467715**

Spill Date 2007-02-14

B58
WNW
< 1/8
0.084 mi.
443 ft.

Relative:
Higher

LOT 28,TAXBLOCK 415
41-14 27 STREET
QUEENS, NY

NY E DESIGNATION **S108469549**
N/A

Click here for full text details

E59
NNE
< 1/8
0.085 mi.
450 ft.

Relative:
Higher

LOT 34,TAXBLOCK 405
40-26 28 STREET
QUEENS, NY

NY E DESIGNATION **S109318511**
N/A

Click here for full text details

F60
WSW
< 1/8
0.087 mi.
459 ft.

Relative:
Lower

BRIDGE PLAZA TECH CENTER
27-01 BRIDGE PLZ N - DRUM AREA
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1004762596**
FINDS **NYR000098541**
ECHO
NY MANIFEST

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000098541

FINDS
Registry ID: 110009451084

ECHO
Registry ID 110009451084

NY MANIFEST
EPA ID NYR000098541

E61
North
< 1/8
0.088 mi.
466 ft.

Relative:
Higher

LOT 17,TAXBLOCK 405
40-19 27 STREET
QUEENS, NY

NY E DESIGNATION **S109318338**
N/A

Click here for full text details

B62
NW
< 1/8
0.088 mi.
467 ft.

Relative:
Higher

QUEENS PLAZA REALTY CORP
25-12 41ST AVENUE
LONG ISLAND CITY, NY 11101

NY UST **U004048065**
N/A

Click here for full text details

B63
NW
< 1/8
0.088 mi.
467 ft.

Relative:
Higher

LOVOUR HOME
2512 41ST AVE
LONG ISLAND CITY, NY

NY LTANKS **S108639404**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0700688 / 2010-02-17
Site ID 380071
Spill Date 2007-04-18

G64
WNW
< 1/8
0.089 mi.
469 ft.

Relative:
Lower

LOT 21,TAXBLOCK 416
41-21 27 STREET
QUEENS, NY

NY E DESIGNATION **S111072758**
N/A

Click here for full text details

D65
SSW
< 1/8
0.090 mi.
476 ft.

Relative:
Lower

MH557
29TH ST AND QUEENS BLVD
QUEENS, NY

NY Spills **S104653580**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0003065 / 2001-09-26
Site ID 302832
Spill Date 2000-06-12

F66
West
< 1/8
0.091 mi.
479 ft.

Relative:
Lower

ATLANTIC PRECIOUS METALS
41-32 27TH ST
LONG ISLAND CITY, NY 11101

RCRA-SQG **1008404441**
NY MANIFEST **NYR000134338**
NJ MANIFEST

Click here for full text details

RCRA-SQG
EPA Id NYR000134338

NY MANIFEST
EPA ID NYR000134338

NJ MANIFEST

ATLANTIC PRECIOUS METALS (Continued) **1008404441**

EPA Id NYR000134338

H67
North
< 1/8
0.092 mi.
488 ft.

Relative:
Higher

LOT 16,TAXBLOCK 405
40-21 27 STREET
QUEENS, NY

NY E DESIGNATION **S109318325**
N/A

Click here for full text details

H68
NNW
< 1/8
0.093 mi.
492 ft.

Relative:
Higher

LOT 38,TAXBLOCK 406
27 STREET
QUEENS, NY

NY E DESIGNATION **S109318532**
N/A

Click here for full text details

I69
ENE
< 1/8
0.093 mi.
493 ft.

Relative:
Lower

LOT 18,TAXBLOCK 402
29-13 40 ROAD
QUEENS, NY 11101

NY E DESIGNATION **S109318348**
N/A

Click here for full text details

B70
NW
< 1/8
0.094 mi.
495 ft.

Relative:
Higher

STELLAPOL CORP
25-15 41ST AVE
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1000288901**
FINDS **NYD981179898**
ECHO
NY MANIFEST

Click here for full text details

RCRA NonGen / NLR
EPA Id NYD981179898

FINDS
Registry ID: 110004401996

ECHO
Registry ID 110004401996

NY MANIFEST
EPA ID NYD981179898

B71
NW
< 1/8
0.094 mi.
495 ft.

Relative:
Higher

A TO Z COMPANY
25-15 41ST AVE
LONG ISLAND CITY, NY

NY Spills **S102238256**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 9510520 / 1995-11-21
Site ID 269811
Spill Date 1995-11-21

B72
NW
< 1/8
0.094 mi.
495 ft.

Relative:
Higher

MIDNIGHT EXPRESS CLEANERS INC
25-15 41ST AVE
LONG ISLAND CITY, NY 11101

EDR Hist Cleaner **1018434606**
N/A

Click here for full text details

C73
SE
< 1/8
0.095 mi.
499 ft.

Relative:
Lower

QUEENS PLAZA NORTH
2937 QUEENS PLAZA NORTH
LONG ISLAND CITY, NY 11101

RCRA-LQG **1023679079**
NYR000230581

Click here for full text details

RCRA-LQG
EPA Id NYR000230581

B74
NW
< 1/8
0.095 mi.
501 ft.

Relative:
Higher

CRISTOS AUTO BODY
25-11 41ST AVE
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1004755501**
NY MANIFEST **NY0000037036**

Click here for full text details

RCRA NonGen / NLR
EPA Id NY0000037036

NY MANIFEST
EPA ID NY0000037036

B75
NW
< 1/8
0.095 mi.
501 ft.

Relative:
Higher

AUTO DYNAMICS
25-11 41ST AVENUE
LONG ISLAND CITY, NY 11101

NY AST **U003312903**
N/A

Click here for full text details

NY AST
Facility Id 2-603539

B76
NW
< 1/8
0.095 mi.
501 ft.

Relative:
Higher

AUTO DYNAMICS
25-11 41ST AVENUE
LONG ISLAND CITY, NY 11101

Click here for full text details

NY UST **U004078208**
N/A

B77
NW
< 1/8
0.095 mi.
501 ft.

Relative:
Higher

CHRISS DAYTONA
25-11 41ST AVE BLOCK 206 LOT 2
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA NonGen / NLR **1004762340**
FINDS **NYR000095943**
ECHO
NY MANIFEST

RCRA NonGen / NLR
EPA Id NYR000095943

FINDS
Registry ID: 110009488161

ECHO
Registry ID 110009488161

NY MANIFEST
EPA ID NYR000095943

B78
NW
< 1/8
0.095 mi.
504 ft.

Relative:
Higher

LOT 2,TAXBLOCK 406
25-11 41 AVENUE
QUEENS, NY

Click here for full text details

NY E DESIGNATION **S117675973**
N/A

E79
NNE
< 1/8
0.096 mi.
506 ft.

Relative:
Higher

LOT 31,TAXBLOCK 405
40-16 28 STREET
QUEENS, NY

Click here for full text details

NY E DESIGNATION **S109318484**
N/A

I80
ENE
< 1/8
0.097 mi.
514 ft.

Relative:
Lower

LOT 16,TAXBLOCK 402
29-15 40 ROAD
QUEENS, NY 11101

NY E DESIGNATION

S109318324
N/A

Click here for full text details

J81
SSE
< 1/8
0.098 mi.
517 ft.

Relative:
Lower

CON EDISON MANHOLE: 880
2942 QUEENS PLAZA
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR
NY MANIFEST

1016972954
NYP004467437

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004467437

NY MANIFEST
EPA ID NYP004467437

K82
ESE
< 1/8
0.098 mi.
519 ft.

Relative:
Lower

MTA/LIRR-EASTSIDE ACCES
29-85 NORTHERN BLVD.
QUEENS, NY

NY Spills

S106010507
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0210085 / 2003-07-07
Site ID 177025
Spill Date 2003-01-03

K83
ESE
< 1/8
0.098 mi.
519 ft.

Relative:
Lower

CONSTRUCTION SITE
2985 NORTHER BLVD
LONG ISLAND CITY, NY 11101

NY Spills

S110488052
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 1003328 / 2010-06-28
Site ID 436548
Spill Date 2010-06-24

K84
ESE
< 1/8
0.098 mi.
519 ft.

Relative:
Lower

CONSTRUCTION SITE
2985 NORTHERN BLVD
QUEENS, NY

NY Spills

S106011043
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 1201533 / 2012-09-26

CONSTRUCTION SITE (Continued) **S106011043**

Spill Number/Closed Date 0210866 / 2003-07-07
Site ID 464250
Site ID 100375
Spill Date 2012-05-17
Spill Date 2003-01-29

K85
ESE
< 1/8
0.099 mi.
525 ft.

Relative:
Lower

MTA-LIRR - THE MANHATTAN SHAFT
29-69 NORTHERN BLVD
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1006810433**
FINDS **NYR000111054**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000111054

FINDS
Registry ID: 110014358934

ECHO
Registry ID 110014358934

E86
NNE
< 1/8
0.100 mi.
529 ft.

Relative:
Higher

LOT 29,TAXBLOCK 405
40-12 28 STREET
QUEENS, NY

NY E DESIGNATION **S109318458**
N/A

Click here for full text details

I87
ENE
< 1/8
0.101 mi.
533 ft.

Relative:
Lower

NYC DEP
2915 40TH RD
WOODSIDE, NY 11373

RCRA NonGen / NLR **1014395500**
NY MANIFEST **NYP003663986**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP003663986

NY MANIFEST
EPA ID NYP003663986

J88
SE
< 1/8
0.102 mi.
541 ft.

Relative:
Lower

CON EDISON MANHOLE 880
NORTHERN BLVD & 41 AVE
FLUSHING, NY 11355

RCRA NonGen / NLR **1010326660**
NYP004142360

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004142360

J89
SE
< 1/8
0.103 mi.
542 ft.

Relative:
Lower

MANHOLE 880
NORTHERN BLVD & 41 AVE
QUEENS, NY

NY Spills **S107657772**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0514441 / 2006-06-14
Site ID 361167
Spill Date 2006-03-17

E90
NNE
< 1/8
0.104 mi.
548 ft.

Relative:
Higher

LOT 26,TAXBLOCK 405
27-20 40 AVENUE
QUEENS, NY 11101

NY E DESIGNATION **S109318434**
N/A

Click here for full text details

F91
WSW
< 1/8
0.104 mi.
549 ft.

Relative:
Lower

QUEENS PLAZA NORTH
25-15 QUEENS PLAZA NORTH
LONG ISLAND CITY, NY 11101

NY UST **U000395616**
N/A

Click here for full text details

F92
WSW
< 1/8
0.104 mi.
549 ft.

Relative:
Lower

FALIDAS ASSCOCIATES
25-01 QUEENS PLAZA N
LONG ISLAND CITY, NY 11101

RCRA-VSQG **1007264881**
NY LTANKS **NYR000123547**
NY MANIFEST
NJ MANIFEST

Click here for full text details

RCRA-VSQG
EPA Id NYR000123547

NY LTANKS
Spill Number/Closed Date 0305348 / 2007-05-21
Spill Number/Closed Date 8905133 / 1992-11-19
Site ID 66252
Site ID 237933

FALIDAS ASSCOCIATES (Continued) **1007264881**

Spill Date 2003-08-01
Spill Date 1989-08-23

NY MANIFEST
EPA ID NYR000123547

NJ MANIFEST
EPA Id NYR000123547

F93
WSW
< 1/8
0.104 mi.
549 ft.

Relative:
Lower

CON EDISON **NY MANIFEST** **S117314856**
25-17 QUEENS PLAZA NORTH **N/A**
QUEENS, NY 11101

Click here for full text details

NY MANIFEST
EPA ID NYP004619433

K94
ESE
< 1/8
0.104 mi.
551 ft.

Relative:
Lower

DEP DIESEL SPILL AT WELFARE MARINA **NY Spills** **S112226358**
122-01 NORTHERN BLVD **N/A**
QUEENS, NY

Click here for full text details

NY Spills
Spill Number/Closed Date 1205538 / 2012-09-04
Site ID 468495
Spill Date 2012-09-02

J95
SE
< 1/8
0.105 mi.
554 ft.

Relative:
Lower

29-28 41ST AVENUE **NY AST** **U004076283**
29-28 41ST AVENUE **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY AST
Facility Id 2-092819

J96
SE
< 1/8
0.105 mi.
555 ft.

Relative:
Lower

MTA- EAST SIDE ACCESS QUEENS TUNNELS EXCAVATION **NJ MANIFEST** **S120678750**
29-54 NORTHERN BLVD **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NJ MANIFEST
EPA Id NYR000112896

J97
SE
< 1/8
0.105 mi.
555 ft.

Relative:
Lower

MTA- EAST SIDE ACCESS QUEENS TUNNELS EXCAVATION
29-54 NORTHERN BLVD MTA-ESA
LONG ISLAND CITY, NY 11101

RCRA-LQG
NY MANIFEST

1006810483
NYR000112896

Click here for full text details

RCRA-LQG
EPA Id NYR000112896

NY MANIFEST
EPA ID NYR000112896

J98
SE
< 1/8
0.105 mi.
556 ft.

Relative:
Lower

NORTHERN BOULEVARD CROSSING
29-60 NORTHERN BOULEVARD
LONG ISLAND CITY, NY 11101

NY AST

A100356960
N/A

Click here for full text details

NY AST
Facility Id 2-611610

H99
North
< 1/8
0.106 mi.
558 ft.

Relative:
Higher

LOT 13,TAXBLOCK 405
40-29 27 STREET
QUEENS, NY

NY E DESIGNATION

S109318306
N/A

Click here for full text details

K100
ESE
< 1/8
0.107 mi.
565 ft.

Relative:
Lower

NYCTA - NORTHERN BLVD & 31ST ST
29-70 NORTHERN BLVD
QUEENS, NY 11101

RCRA NonGen / NLR
NY MANIFEST

1000790663
NYD987021490

Click here for full text details

RCRA NonGen / NLR
EPA Id NYD987021490

NY MANIFEST
EPA ID NYD987021490

K101
ESE
< 1/8
0.108 mi.
570 ft.

Relative:
Lower

MTA EAST SIDE ACCESS
29-85 NORTHERN BLVD
LONG ISLAND CITY, NY

NY Spills

S111836303
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 1201536 / 2012-05-17

MTA EAST SIDE ACCESS (Continued) **S111836303**

Site ID 464253
Spill Date 2012-05-16

K102
ESE
< 1/8
0.108 mi.
570 ft.

Relative:
Lower

MTA- EAST SIDE ACCESS CM009 MANHATTAN TUNNELS EXCA **RCRA-LQG** **1016144438**
29-85 NORTHERN BLVD MTA-ESA **NY MANIFEST** **NYR000200188**
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA-LQG
EPA Id NYR000200188

NY MANIFEST
EPA ID NYR000200188

K103
ESE
< 1/8
0.108 mi.
570 ft.

Relative:
Lower

MTCC CAPITOL CONSTRUCTION SITE **NY Spills** **S111011441**
2985 NORTHERN BLVD **N/A**
LONG ISLAND CITY, NY

Click here for full text details

NY Spills
Spill Number/Closed Date 1100936 / 2011-04-26
Site ID 448371
Spill Date 2011-04-26

K104
ESE
< 1/8
0.108 mi.
570 ft.

Relative:
Lower

MTA- EAST SIDE ACCESS CM009 MANHATTAN TUNNELS EXCA **NJ MANIFEST** **S120678966**
29-85 NORTHERN BLVD MTA-ESA **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NJ MANIFEST
EPA Id NYR000200188

F105
SW
< 1/8
0.108 mi.
571 ft.

Relative:
Lower

MANHOLE # 8640 **NY Spills** **S105141701**
28TH ST/QUEENS PLZ **N/A**
QUEENS, NY

Click here for full text details

NY Spills
Spill Number/Closed Date 0105507 / 2001-10-12
Site ID 129777
Spill Date 2001-08-20

F106
SW
< 1/8
0.108 mi.
571 ft.

Relative:
Lower

MANHOLE #10639
BRIDGE PLZ/28TH ST
QUEENS, NY

NY Spills

S104651837
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 0000578 / 2002-01-16
Site ID 197850
Spill Date 2000-04-14

G107
WNW
< 1/8
0.108 mi.
572 ft.

Relative:
Lower

DAYTONA COLLISION
41-17 CRESCENT ST
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR

1000417532
NYD155043771

Click here for full text details

RCRA NonGen / NLR
EPA Id NYD155043771

G108
WNW
< 1/8
0.108 mi.
572 ft.

Relative:
Lower

DAYTONA AUTO COLLISION
41-17 CRESCENT ST
LONG ISLAND CITY, NY 11101

NY MANIFEST

S117562452
N/A

Click here for full text details

NY MANIFEST
EPA ID NYD155043771

G109
WNW
< 1/8
0.108 mi.
572 ft.

Relative:
Lower

NATIONAL HERALD
41-17 CRESCENT ST
LONG ISLAND CITY, NY 11110

RCRA NonGen / NLR

1001119261
NYN008004103

Click here for full text details

RCRA NonGen / NLR
EPA Id NYN008004103

G110
WNW
< 1/8
0.108 mi.
572 ft.

Relative:
Lower

DIAMATARIS PROPERTIES LTD
41-17 CRESCENT ST
LONG ISLAND CITY, NY 11101

NY AST

U003388483
N/A

Click here for full text details

NY AST
Facility Id 2-277304

J111
SE
< 1/8
0.111 mi.
586 ft.

Relative:
Lower

FRONT OF 30-10 41ST AVE
VAULT 678
QUEENS, NY

Click here for full text details

NY Spills
Spill Number/Closed Date 0006847 / 2000-09-11
Site ID 158028
Spill Date 2000-09-09

NY Spills **S104789351**
N/A

J112
SE
< 1/8
0.111 mi.
586 ft.

Relative:
Lower

VAULT 768
30-10 41ST AVE
QUEENS, NY

Click here for full text details

NY Spills
Spill Number/Closed Date 0006840 / 2001-11-27
Site ID 261412
Spill Date 2000-09-09

NY Spills **S104789345**
N/A

K113
ESE
< 1/8
0.111 mi.
588 ft.

Relative:
Lower

NYC TRANSIT AUTHORITY
29-60 NORTHERN BLVD
QUEENS, NY

Click here for full text details

NY Spills
Spill Number/Closed Date 9408603 / 2000-11-30
Site ID 128281
Spill Date 1994-09-28

NY Spills **S102148790**
N/A

K114
ESE
< 1/8
0.112 mi.
589 ft.

Relative:
Lower

CQ-33 MTA EASTSIDE ACCESS
29-80 NORTHERN BOULEVARD
LONG ISLAND CITY, NY 11101

Click here for full text details

NY AST
Facility Id 2-612352

NY AST **A100407911**
N/A

L115
NW
< 1/8
0.112 mi.
593 ft.

Relative:
Higher

LOT 8,TAXBLOCK 406
41 AVENUE
QUEENS, NY

Click here for full text details

NY E DESIGNATION **S109318612**
N/A

I116
ENE
< 1/8
0.114 mi.
602 ft.

Relative: Lower

LOT 28,TAXBLOCK 402
29-14 40 AVENUE
QUEENS, NY

NY E DESIGNATION **S109318449**
N/A

Click here for full text details

F117
West
< 1/8
0.114 mi.
604 ft.

Relative: Lower

CON EDISON
25-01 QUEENS PLAZA NORTH
QUEENS, NY 11101

NY MANIFEST **S117314857**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004619441

K118
ESE
< 1/8
0.114 mi.
604 ft.

Relative: Lower

NYC TRANSIT BUILDING -NYCT
29-70 NORTHERN BLVD
QUEENS, NY

NY Spills **S102446713**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 9611135 / 2005-07-27
Site ID 272801
Spill Date 1996-12-04

J119
SSE
< 1/8
0.114 mi.
604 ft.

Relative: Lower

GALASFEO JEWELRY
2932 NORTHERN BLVD
LONG ISLAND CITY, NY

NY Spills **S102145493**
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 8905928 / 1989-09-16
Site ID 272257
Spill Date 1989-09-15

G120
NW
< 1/8
0.115 mi.
605 ft.

Relative: Higher

LOT 24,TAXBLOCK 415
25-12 41 AVENUE
QUEENS, NY

NY E DESIGNATION **S108469545**
N/A

Click here for full text details

H121
NNW
< 1/8
0.115 mi.
607 ft.

Relative:
Higher

LOT 12,TAXBLOCK 406
40-25 CRESCENT STREET
QUEENS, NY

NY E DESIGNATION

S109318296
N/A

Click here for full text details

G122
NW
< 1/8
0.118 mi.
621 ft.

Relative:
Higher

41ST & CRESCENT AVES
41ST ST / CRESENT AVE
LONG ISLAND CITY, NY

NY Spills

S102144975
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 8202131 / 1989-06-30
Site ID 175052
Spill Date 1983-03-18

L123
NNW
< 1/8
0.118 mi.
621 ft.

Relative:
Higher

LOT 11,TAXBLOCK 406
CRESCENT STREET
QUEENS, NY

NY E DESIGNATION

S109318284
N/A

Click here for full text details

M124
South
< 1/8
0.118 mi.
624 ft.

Relative:
Lower

GASETERIA
30-05/30-25 QUEENS BLVD
LONG ISLAND CITY, NY

NY Spills

S121988209
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 9912794 / 2017-10-24
Site ID 311111
Spill Date 2000-02-09

M125
South
< 1/8
0.118 mi.
624 ft.

Relative:
Lower

QUEENS & NORTHERN
30-05 QUEENS BOULEVARD
LONG ISLAND CITY, NY 11101

NY UST

U000396455
N/A

Click here for full text details

M126
South
< 1/8
0.118 mi.
624 ft.

Relative:
Lower

GASETERIA OIL CORP
3005 QUEENS BLVD
LONG ISLAND CITY, NY 11101

EDR Hist Auto

1021629600
N/A

Click here for full text details

M127
South
< 1/8
0.118 mi.
624 ft.

Relative:
Lower

GASETERIA
30-05 QUEENS BLVD
LONG ISLAND CITY, NY

NY Spills

S102149868
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 9416874 / 1995-03-29
Spill Number/Closed Date 0713169 / 2012-01-25
Spill Number/Closed Date 9510715 / 2003-10-29
Spill Number/Closed Date 0409014 / 2006-05-05
Site ID 218867
Site ID 394881
Site ID 66801
Site ID 333652
Spill Date 1995-03-29
Spill Date 2008-03-13
Spill Date 1995-10-10
Spill Date 2004-11-15

H128
North
< 1/8
0.118 mi.
625 ft.

Relative:
Higher

LOT 29,TAXBLOCK 406
40-14 27 STREET
QUEENS, NY

NY E DESIGNATION

S109318459
N/A

Click here for full text details

J129
SSE
< 1/8
0.119 mi.
627 ft.

Relative:
Lower

CONSTRUCTION SITE
29-22 NORTHERN BLVD
LONG ISLAND CITY, NY

NY Spills

S120700814
N/A

Click here for full text details

NY Spills
Spill Number/Closed Date 1610684 / 2017-02-28
Site ID 541529
Spill Date 2017-02-08

F130
WSW
< 1/8
0.119 mi.
629 ft.

Relative:
Lower

MTA NYCT QUEENS BLVD PLAZA STATION
27TH ST & QUEENS BLVD
LONG ISLAND CITY, NY 11101

RCRA-VSQG
NY MANIFEST

1001489235
NYR000072959

Click here for full text details

RCRA-VSQG
EPA Id NYR000072959

NY MANIFEST
EPA ID NYR000072959

J131
SE
< 1/8
0.120 mi.
632 ft.

Relative:
Lower

30-10/12 41ST AVE.
30-10/12 41ST AVENUE
LONG ISLAND CITY, NY 11101

NY UST

U001833544
N/A

Click here for full text details

I132
ENE
< 1/8
0.121 mi.
639 ft.

Relative:
Lower

29-24 40TH AVE
29-24 40TH AVE
LONG ISLAND CITY, NY 11101

NY AST

U000406637
N/A

Click here for full text details

NY AST
Facility Id 2-238635

I133
ENE
< 1/8
0.121 mi.
639 ft.

Relative:
Lower

29-24 40TH AVE
29-24 40TH AVE
LONG ISLAND CITY, NY 11101

NY UST

U004077288
N/A

Click here for full text details

I134
ENE
< 1/8
0.121 mi.
639 ft.

Relative:
Lower

KAL REALTY
29-24 40TH AVE
LONG ISLAND CITY, NY

NY LTANKS

S103478273
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9806658 / 2005-06-15
Site ID 172099
Spill Date 1998-08-28

J135
SE
< 1/8
0.121 mi.
641 ft.

Relative:
Lower

CON EDISON
30-02 NORTHERN BLVD
LONG ISLAND CITY, NY 11101

Click here for full text details

NY MANIFEST
EPA ID NYP004645131

NY MANIFEST **S117737387**
N/A

I136
ENE
< 1/8
0.121 mi.
641 ft.

Relative:
Lower

LOT 30,TAXBLOCK 402
29-16 40 AVENUE
QUEENS, NY 11101

Click here for full text details

NY E DESIGNATION **S109318477**
N/A

J137
SE
< 1/8
0.124 mi.
654 ft.

Relative:
Lower

NYCT SKILLMAN SUBSTATION
30-26 41ST AVE
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP000975712

RCRA NonGen / NLR **1025887414**
NYP000975712

K138
East
1/8-1/4
0.126 mi.
665 ft.

Relative:
Lower

CON ED
NORTHERN BLVD & 40 RD
QUEENS, NY 11101

Click here for full text details

NY MANIFEST
EPA ID NYP004859454

NY MANIFEST **S118463951**
N/A

G139
WNW
1/8-1/4
0.128 mi.
678 ft.

Relative:
Lower

CON EDISON
4120 CRESCENT ST
LONG ISLAND CITY, NY 11101

Click here for full text details

NY MANIFEST
EPA ID NYP004618633

NY MANIFEST **S117314781**
N/A

G140
WNW
1/8-1/4
0.131 mi.
693 ft.

Relative:
Lower

PACKARD SQUARE NORTH
41-18 CRESCENT STREET
LONG ISLAND CITY, NY 11101

NY AST **A100433653**
N/A

Click here for full text details

NY AST
Facility Id 2-612536

N141
ESE
1/8-1/4
0.131 mi.
693 ft.

Relative:
Lower

SUPERIOR REED BUILDING
29-50 NORTHERN BLVD
LONG ISLAND CITY, NY 11101

NY UST **U003074383**
NY AST **N/A**

Click here for full text details

NY AST
Facility Id 2-190160

N142
ESE
1/8-1/4
0.131 mi.
693 ft.

Relative:
Lower

NYCTA - SUPERIOR REED BLDG
29-50 NORTHERN BLVD
LONG ISLAND CITY, NY 11101

NY LTANKS **1004762971**
RCRA NonGen / NLR **NYR000102319**
FINDS
ECHO
NY MANIFEST

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9100729 / 2000-11-30
Site ID 292496
Spill Date 1991-04-18

RCRA NonGen / NLR
EPA Id NYR000102319

FINDS
Registry ID: 110012185349

ECHO
Registry ID 110012185349

NY MANIFEST
EPA ID NYR000102319

O143
NNE
1/8-1/4
0.131 mi.
693 ft.

Relative:
Higher

ALPIANS FANCY CLEANERS
27-09 40TH AVE
LONG ISLAND CITY, NY 11101

RCRA-VSQG **1004759732**
FINDS **NYR000019000**
ECHO
NY MANIFEST

Click here for full text details

RCRA-VSQG
EPA Id NYR000019000

ALPIANS FANCY CLEANERS (Continued) **1004759732**

FINDS
Registry ID: 110006550062

ECHO
Registry ID 110006550062

NY MANIFEST
EPA ID NYR000019000

O144 **WORLD CLASS GARMENT CARE CORP.** **NY DRYCLEANERS** **S110248342**
NNE **27-09 40TH AVENUE** **N/A**
1/8-1/4 **LI CITY, NY 11101**
0.131 mi.
693 ft.

Relative: Higher

Click here for full text details

NY DRYCLEANERS
Facility Id 2-6304-01483

O145 **27-09 40TH AVENUE** **NY VCP** **S125316960**
NNE **27-09 40TH AVENUE** **NY Spills** **N/A**
1/8-1/4 **NEW YORK CITY, NY 11101**
0.131 mi.
693 ft.

Relative: Higher

Click here for full text details

NY Spills
Spill Number/Closed Date 1911112 / 2020-03-06
Site ID 601797
Spill Date 2020-03-03

M146 **PRIMO PAINTING** **RCRA NonGen / NLR** **1000552855**
South **30-30 NORTHERN BLVD 4 & 5 FL** **FINDS** **NYD986952604**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **ECHO**
0.131 mi.
693 ft.

Relative: Lower

Click here for full text details

RCRA NonGen / NLR
EPA Id NYD986952604

FINDS
Registry ID: 110008051302

ECHO
Registry ID 110008051302

L147
NW
1/8-1/4
0.132 mi.
696 ft.

Relative:
Higher

RED D MANAGEMENT — **NY UST** — **U003068993**
40-40 CRESCENT STREET — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

L148
NW
1/8-1/4
0.132 mi.
696 ft.

Relative:
Higher

CLOSED-LACKOF RECENT INFO — **NY LTANKS** — **S100153363**
40-40 CRESCENT ST — **N/A**
LONG ISLAND CITY, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9105613 / 2003-03-14
Site ID 271352
Spill Date 1991-08-23

I149
ENE
1/8-1/4
0.132 mi.
697 ft.

Relative:
Lower

CLOSED-LACKOF RECENT INFO — **NY LTANKS** — **S100144984**
29024 40TH AVENUE — **N/A**
LONG ISLAND CITY, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 8709369 / 2003-03-13
Site ID 125139
Spill Date 1988-02-03

M150
South
1/8-1/4
0.133 mi.
701 ft.

Relative:
Lower

NYNEX — **NY MANIFEST** — **1009234596**
NORTHERN BLVD & QUEENS BLVD — **N/A**
QUEENS, NY

Click here for full text details

NY MANIFEST
EPA ID NYP000933135

M151
South
1/8-1/4
0.134 mi.
705 ft.

Relative:
Lower

JACKSON CORNERS GENERAL STORE — **NY UST** — **U003128402**
RD 1 BOX 249 JACKSON CORNERS — **N/A**
RED HOOK, NY 12571

Click here for full text details

P152
SW
1/8-1/4
0.135 mi.
712 ft.

Relative:
Lower

GOTHAM CENTER TOWER B-2
42-01 28TH STREET
LONG ISLAND CITY, NY 11101

RCRA-LQG
NY MANIFEST
NJ MANIFEST

1012186279
NYR000161406

Click here for full text details

RCRA-LQG
EPA Id NYR000161406

NY MANIFEST
EPA ID NYR000161406

NJ MANIFEST
EPA Id NYR000161406

L153
NW
1/8-1/4
0.136 mi.
716 ft.

Relative:
Higher

COSMOCAR INC
40-34 CRESCENT ST
LONG ISLAND CITY, NY 11101

RCRA-SQG
NY MANIFEST
NJ MANIFEST

1000791693
NYD987032109

Click here for full text details

RCRA-SQG
EPA Id NYD987032109

NY MANIFEST
EPA ID NYD987032109

NJ MANIFEST
EPA Id NYD987032109

M154
South
1/8-1/4
0.137 mi.
722 ft.

Relative:
Lower

NYCT - QUEENS PLAZA STATION (E/F/G/R LINE)
JACKSON AVE & QUEENS BLVD.
LONG ISLAND CITY, NY 11101

RCRA-LQG
NJ MANIFEST

1000790662
NYD987021482

Click here for full text details

RCRA-LQG
EPA Id NYD987021482

NJ MANIFEST
EPA Id NYD987021482

P155
SW
1/8-1/4
0.138 mi.
726 ft.

Relative:
Lower

TWO GOTHAM CENTER
42-09 28TH ST
LONG ISLAND CITY, NY 11101

NY AST

A100356942
N/A

Click here for full text details

NY AST
Facility Id 2-611586

M156
South
1/8-1/4
0.138 mi.
728 ft.

Relative:
Lower

MTA NYCT
JACKSON AVE & QUEENS PLZ
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR
NY MANIFEST

1014395326
NYP000966416

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP000966416

NY MANIFEST
EPA ID NYP000966416

M157
South
1/8-1/4
0.138 mi.
728 ft.

Relative:
Lower

NYC MTA
JACKSON AVE WB & QUEENS PLZ
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR
NJ MANIFEST
NY MANIFEST

1014395310
NYP000966176

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP000966176

NJ MANIFEST
EPA Id NYP000966176

NY MANIFEST
EPA ID NYP000966176

Q158
West
1/8-1/4
0.138 mi.
729 ft.

Relative:
Lower

SURREY CADILLAC LIMO SERVICE, INC.
41-38 CRESCENT STREET
LONG ISLAND CITY, NY 11101

NY UST

U003065877
N/A

Click here for full text details

Q159
WNW
1/8-1/4
0.138 mi.
731 ft.

Relative:
Lower

PACKARD SQUARE — **NY AST** — **A100343959**
41-34 CRESCENT STREET — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY AST
Facility Id 2-611099

R160
NE
1/8-1/4
0.140 mi.
740 ft.

Relative:
Higher

CLOSED-LACKOF RECENT INFO — **NY LTANKS** — **S100167437**
39038 29TH ST. — **N/A**
NEW YORK CITY, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 8705823 / 2003-03-04
Site ID 186869
Spill Date 1987-10-09

R161
NE
1/8-1/4
0.141 mi.
745 ft.

Relative:
Higher

ST. PATRICK R.C. CHURCH — **NY AST** — **U003074582**
39-38 29TH STREET — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY AST
Facility Id 2-402478

R162
NE
1/8-1/4
0.141 mi.
745 ft.

Relative:
Higher

ST. PATRICK R.C. CHURCH — **NY UST** — **U004064438**
39-38 29TH STREET — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

R163
NE
1/8-1/4
0.141 mi.
745 ft.

Relative:
Higher

CHURCH — **NY LTANKS** — **S106737888**
39-38 29TH STREET — **N/A**
LONG ISLAND CITY, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0411422 / 2006-01-17
Spill Number/Closed Date 0411423 / 2005-03-28
Site ID 336615
Site ID 336616
Spill Date 2005-01-21

L164
NW
1/8-1/4
0.141 mi.
745 ft.

Relative:
Lower

CON EDISON
F/O 24-11 41 AV
LONG ISLAND CITY, NY 11101

NY MANIFEST **S117537515**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004700886

S165
ENE
1/8-1/4
0.144 mi.
758 ft.

Relative:
Lower

CARRICK SERVICE CORP
30-19 NORTHERN BLVD
LONG ISLAND CITY, NY 11101

NY UST **U000408564**
N/A

Click here for full text details

S166
ENE
1/8-1/4
0.144 mi.
758 ft.

Relative:
Lower

NYCTA
30-19 NORTHERN BLVD
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1001028541**
FINDS **NYR000007732**
ECHO
NY MANIFEST

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000007732

FINDS
Registry ID: 110004515249

ECHO
Registry ID 110004515249

NY MANIFEST
EPA ID NYR000007732

T167
North
1/8-1/4
0.144 mi.
759 ft.

Relative:
Higher

40-05 CRESCENT
40-05 CRESCENT STREET
QUEENS, NY 11101

NY UST **U004251073**
N/A

Click here for full text details

T168
North
1/8-1/4
0.144 mi.
759 ft.

Relative:
Higher

CRESCENT OWNERS LLC
40-05 CRESCENT ST
QUEENS, NY 11101

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000227165

RCRA NonGen / NLR **1019326103**
NYR000227165

T169
North
1/8-1/4
0.144 mi.
759 ft.

Relative:
Higher

CRESCENT OWNERS LLC
40-05 CRESCENT ST
QUEENS, NY 11101

Click here for full text details

NY MANIFEST
EPA ID NYR000227165

NY MANIFEST **S118708640**
N/A

P170
SW
1/8-1/4
0.146 mi.
770 ft.

Relative:
Lower

CON EDISON
FO 42-12 28 ST
QUEENS, NY 11101

Click here for full text details

NY MANIFEST
EPA ID NYP004618245

NY MANIFEST **S117314750**
N/A

P171
SW
1/8-1/4
0.146 mi.
770 ft.

Relative:
Lower

CON EDISON
42-12 28TH ST
LONG ISLAND CITY, NY 11101

Click here for full text details

NJ MANIFEST
EPA Id NYP004782116

NJ MANIFEST **S120671731**
N/A

P172
SW
1/8-1/4
0.146 mi.
770 ft.

Relative:
Lower

CON EDISON
42-12 28TH ST
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004782116

RCRA NonGen / NLR **1019903156**
NYP004782116

P173
SW
1/8-1/4
0.146 mi.
770 ft.

Relative:
Lower

CON EDISON | **NY MANIFEST** | **S119075274**
42-12 28TH ST | **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY MANIFEST
EPA ID NYP004782116

T174
NNW
1/8-1/4
0.147 mi.
778 ft.

Relative:
Higher

CK1 PROCLEANERS | **NY DRYCLEANERS** | **S126282047**
40-18 CRESCENT ST | **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY DRYCLEANERS
Facility Id 2-6304-01374

T175
NNW
1/8-1/4
0.147 mi.
778 ft.

Relative:
Higher

WHOLE SALE DRY CLEANER | **NY MANIFEST** | **S121966801**
40-18 CRESCENT ST | **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY MANIFEST
EPA ID NYN008011330

T176
NNW
1/8-1/4
0.147 mi.
778 ft.

Relative:
Higher

WHOLE SALE DRY CLEANER | **RCRA NonGen / NLR** | **1007112339**
40-18 CRESCENT ST | **NYN008011330**
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA NonGen / NLR
EPA Id NYN008011330

S177
ENE
1/8-1/4
0.148 mi.
780 ft.

Relative:
Lower

FORMER UNION WIRE DIE CORP. - OFF-SITE | **NY BROWNFIELDS** | **S118372391**
39-40 30TH STREET | **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY BROWNFIELDS
Site Code 517267

S178
ENE
1/8-1/4
0.148 mi.
780 ft.

Relative:
Lower

FORMER UNION WIRE DIE CORP.
39-40 30TH STREET
LONG ISLAND CITY, NY 11101

NY ENG CONTROLS **S116349304**
NY INST CONTROL **N/A**
NY BROWNFIELDS

Click here for full text details

NY ENG CONTROLS
Site Code 492945

NY INST CONTROL
Site Code 492945

NY BROWNFIELDS
Site Code 492945

S179
ENE
1/8-1/4
0.148 mi.
780 ft.

Relative:
Lower

FORMER UNION WIRE DIE CORP.
39-40 30TH STREET
LONG ISLAND CITY, NY 11101

NY UST **U004317905**
N/A

Click here for full text details

S180
ENE
1/8-1/4
0.148 mi.
780 ft.

Relative:
Lower

FORMER UNION WIRE DIE CORPORATION
39-40 30TH ST
LONG ISLAND CITY, NY 11101

RCRA-LQG **1024892350**
NYR000239491

Click here for full text details

RCRA-LQG
EPA Id NYR000239491

S181
ENE
1/8-1/4
0.148 mi.
780 ft.

Relative:
Lower

FORMER UNION WIRE DIE CORP.
39-40 30TH STREET
LONG ISLAND CITY, NY 11101

NY AST **A100433645**
N/A

Click here for full text details

NY AST
Facility Id 2-607888

T182
NNW
1/8-1/4
0.148 mi.
781 ft.

Relative:
Higher

CON EDISION - TRF 0632
40 AVE N 37‘ W CRESCENT ST 40
LONG ISLAND CITY, NY 10003

RCRA NonGen / NLR **1007208435**
NY MANIFEST **NYP004089926**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004089926

CON EDISION - TRF 0632 (Continued) **1007208435**

NY MANIFEST
EPA ID NYP004089926

K183
ESE
1/8-1/4
0.148 mi.
784 ft.

Relative:
Lower

CON EDISON - TRANSFORMER MANHOLE 6744 **RCRA-LQG** **1019325699**
29-76 NORTHERN BLVD **NYP004849885**
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA-LQG
EPA Id NYP004849885

K184
ESE
1/8-1/4
0.148 mi.
784 ft.

Relative:
Lower

CON EDISON **NY MANIFEST** **S118463322**
29-76 NORTHERN BLVD **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY MANIFEST
EPA ID NYP004849885

K185
ESE
1/8-1/4
0.148 mi.
784 ft.

Relative:
Lower

QUEENS IRON WORK & STORE FRONT **RCRA NonGen / NLR** **1004761669**
29-76 NORTHERN BLVD **FINDS** **NYR000089201**
LONG ISLAND CITY, NY 11101 **ECHO**
NY MANIFEST

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000089201

FINDS
Registry ID: 110004564123

ECHO
Registry ID 110004564123

NY MANIFEST
EPA ID NYR000089201

K186
ESE
1/8-1/4
0.148 mi.
784 ft.

Relative:
Lower

29-76 REALTY CO — **NY AST** — **U003392923**
29-76 NORTHERN BLVD — **N/A**
NY, NY 11101

Click here for full text details

NY AST
Facility Id 2-289051

K187
ESE
1/8-1/4
0.148 mi.
784 ft.

Relative:
Lower

CON EDISON - TRANSFORMER MANHOLE 6744 — **NJ MANIFEST** — **S120677654**
29-76 NORTHERN BLVD — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NJ MANIFEST
EPA Id NYP004849885

P188
SSW
1/8-1/4
0.149 mi.
788 ft.

Relative:
Lower

28-10 QUEENS PLAZA SOUTH — **NY UST** — **U004122165**
28-10 QUEENS PLAZA SOUTH — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

Q189
West
1/8-1/4
0.150 mi.
791 ft.

Relative:
Lower

EVANS CONSTRUCTION COMPANY — **NY UST** — **U004046688**
24-15 QUEENS PLAZA NORTH — **NY AST** — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY AST
Facility Id 2-610153

T190
NNW
1/8-1/4
0.151 mi.
796 ft.

Relative:
Higher

CARLDAN ENTERPRISES — **NY AST** — **U003385872**
40-16 CRESCENT STREET — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY AST
Facility Id 2-150452

Q191
West
1/8-1/4
0.151 mi.
799 ft.

Relative:
Lower

CON EDISON
24-19 QUEENS PLAZA NORTH
QUEENS, NY 11101

NY MANIFEST **S117314858**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004619458

Q192
West
1/8-1/4
0.151 mi.
799 ft.

Relative:
Lower

CON EDISON
24-19 QUEENS PLZ N
LONG ISLAND CITY, NY 11101

NY MANIFEST **S117737190**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004619466

Q193
West
1/8-1/4
0.151 mi.
799 ft.

Relative:
Lower

CON EDISON - MANHOLE 4413
24-19 QUEENS PLZ N
LONG ISLAND CITY, NY 11101

RCRA-LQG **1024890439**
NYP004619466

Click here for full text details

RCRA-LQG
EPA Id NYP004619466

L194
NW
1/8-1/4
0.155 mi.
817 ft.

Relative:
Lower

APRT
2403 41ST AVE
QUEENS, NY

NY LTANKS **S108983070**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0711618 / 2008-04-02
Site ID 393128
Spill Date 2008-02-04

L195
NW
1/8-1/4
0.155 mi.
819 ft.

Relative:
Lower

24-03 41ST AVE
24-03 41ST AVE
LONG ISLAND CITY, NY 11101

NY LTANKS **U003066518**
NY UST **N/A**

Click here for full text details

NY LTANKS
Spill Number/Closed Date 8709565 / 1993-02-25
Site ID 174701
Spill Date 1988-02-10

Q196
WNW
1/8-1/4
0.160 mi.
847 ft.

Relative:
Lower

PACKARD SQUARE NO. 3
41-21 24TH STREET
LONG ISLAND CITY, NY 11101

Click here for full text details

NY AST
Facility Id 2-612535

NY AST **A100414559**
N/A

L197
NW
1/8-1/4
0.161 mi.
848 ft.

Relative:
Higher

QUEENBORO CLEANERS
40-35 24TH ST
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA NonGen / NLR
EPA Id NY0000082875

NY MANIFEST
EPA ID NY0000082875

RCRA NonGen / NLR **1004755556**
NY MANIFEST **NY0000082875**

L198
NW
1/8-1/4
0.161 mi.
848 ft.

Relative:
Higher

PARISHVILLE
56 RIVER HOUSE DR
PARISHVILLE, NY 13672

Click here for full text details

RCRA-VSQG
EPA Id NYR000082875

FINDS
Registry ID: 110004560029

ECHO
Registry ID 110004560029

NY MANIFEST
EPA ID NYD000082875

RCRA-VSQG **1001961505**
FINDS **NYR000082875**
ECHO
NY MANIFEST

L199
NW
1/8-1/4
0.161 mi.
848 ft.

Relative:
Higher

QUEENS BORO CLEANERS
40-35 24TH STREET
LI CITY, NY 11101

Click here for full text details

NY DRYCLEANERS
Facility Id 2-6304-00510

NY DRYCLEANERS **S110247717**
N/A

Q200
WNW
1/8-1/4
0.162 mi.
858 ft.

Relative:
Lower

PACKARD SQUARE WEST — **NY AST** — **A100433693**
41-29 24TH ST — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY AST
Facility Id 2-612721

U201
NE
1/8-1/4
0.165 mi.
871 ft.

Relative:
Lower

NYS DEC - FRESH CLEANERS SITE — **PA MANIFEST** — **S113739452**
39-26 30TH ST — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

PA MANIFEST
Generator EPA Id NYR000034363

V202
SSW
1/8-1/4
0.165 mi.
872 ft.

Relative:
Lower

QUEENS PLAZA RESIDENTIAL DEVELOPMENT BC SITE B — **NY UST** — **U004244787**
28-34 JACKSON AVENUE — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

V203
SSW
1/8-1/4
0.165 mi.
872 ft.

Relative:
Lower

QUEENS PLAZA RESIDENTIAL DEVELOPMENT, BCP SITE B — **NY CBS** — **S118191063**
28-34 JACKSON AVENUE — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY CBS
Facility Status Unregulated/Closed
CBS Number 2-000514

V204
SSW
1/8-1/4
0.165 mi.
872 ft.

Relative:
Lower

QUEENS PLAZA RESIDENTIAL DEVELOPMENT, BCP SITE B — **NY UST** — **U004228470**
28-34 JACKSON AVENUE — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

V205
SSW
1/8-1/4
0.165 mi.
872 ft.

Relative:
Lower

QUEENS PLAZA RESIDENTIAL DEVELOPMENT BCP SITE B
28-34 JACKSON AVENUE
LONG ISLAND CITY, NY 11101

NY UST **U004244788**
N/A

Click here for full text details

P206
SW
1/8-1/4
0.165 mi.
872 ft.

Relative:
Lower

STAR JOURNAL BUILDING
42-26 28TH STREET
LONG ISLAND CITY, NY 11101

NY AST **A100296154**
N/A

Click here for full text details

NY AST
Facility Id 2-607562

W207
NNW
1/8-1/4
0.166 mi.
877 ft.

Relative:
Higher

COMMERCIAL BUILDING
40-23 24TH ST'
LONG ISLAND CITY, NY

NY LTANKS **S107410496**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0506977 / 2006-01-05
Site ID 352289
Spill Date 2005-09-08

Q208
WNW
1/8-1/4
0.167 mi.
884 ft.

Relative:
Lower

CON EDISON SERVICE BOX: 17515
41-39 24TH ST
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1016970525**
NY MANIFEST **NYP004442398**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004442398

NY MANIFEST
EPA ID NYP004442398

V209
SSW
1/8-1/4
0.168 mi.
886 ft.

Relative:
Lower

QUEENS PLAZA RESIDENTIAL DEVELOPMENT - SITE C
28-30 JACKSON AVENUE
LONG ISLAND CITY, NY 11101

NY BROWNFIELDS **S118950490**
N/A

Click here for full text details

NY BROWNFIELDS
Site Code 503091

U210
NE
1/8-1/4
0.169 mi.
893 ft.

Relative:
Lower

CITY WIDE CLEANERS
39-28 30TH STREET
LI CITY, NY 11101

NY DRYCLEANERS **S110246219**
N/A

Click here for full text details

NY DRYCLEANERS
Facility Id ---

S211
ENE
1/8-1/4
0.170 mi.
898 ft.

Relative:
Lower

ALERT GARAGE COPR
30-17 40TH AVE
LONG ISLAND CITY, NY 11101

NY CBS **U001831555**
NY AST **N/A**

Click here for full text details

NY CBS
Facility Status Unregulated/Closed
CBS Number 2-000500

NY AST
Facility Id 2-055832

S212
ENE
1/8-1/4
0.170 mi.
898 ft.

Relative:
Lower

LIC TAXI SITE
30-17 40TH AVE
LONG ISLAND CITY, NY 11101

RCRA-LQG **1018159092**
FINDS **NYR000221721**
ECHO

Click here for full text details

RCRA-LQG
EPA Id NYR000221721

FINDS
Registry ID: 110066949985

ECHO
Registry ID 110066949985

S213
ENE
1/8-1/4
0.170 mi.
898 ft.

Relative:
Lower

LIC TAXI SITE
30-17 40TH AVE
LONG ISLAND CITY, NY 11101

NY MANIFEST **S118563957**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYR000221721

S214
ENE
1/8-1/4
0.170 mi.
898 ft.

Relative:
Lower

TALLY LEASING CORP
30-17 40TH AVE
QUEENS, NY 11101

RCRA NonGen / NLR **1000789861**
NYD987013273

Click here for full text details

RCRA NonGen / NLR
EPA Id NYD987013273

S215
ENE
1/8-1/4
0.170 mi.
898 ft.

Relative:
Lower

ALERT GARAGE CORP
30-17 40TH AVENUE
LONG ISLAND CITY, NY 11101

NY UST **U004061854**
N/A

Click here for full text details

X216
WSW
1/8-1/4
0.170 mi.
900 ft.

Relative:
Lower

ROSENWACH TANK CO LLC
40-25 CRESCENT ST
LONG ISLAND CITY, NY 11101

RCRA-SQG **1000101150**
NY MANIFEST **NYD991290958**
NJ MANIFEST

Click here for full text details

RCRA-SQG
EPA Id NYD991290958

NY MANIFEST
EPA ID NYD991290958

NJ MANIFEST
EPA Id NYD991290958

U217
NE
1/8-1/4
0.173 mi.
911 ft.

Relative:
Lower

QUEENS BORO CLEANERS
39-26 30TH ST
LONG ISLAND CITY, NY 11101

NY AIRS **S121489551**
NY DRYCLEANERS **N/A**

Click here for full text details

NY AIRS
DEC Id 2630401375

NY DRYCLEANERS
Facility Id 2-6304-01375

U218
NE
1/8-1/4
0.173 mi.
911 ft.

Relative:
Lower

BRIDGE CLEANERS
39-26 30TH ST
LONG ISLAND CITY, NY 11101

NY MANIFEST **S126116014**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYR000034363

U219
NE
1/8-1/4
0.173 mi.
911 ft.

Relative:
Lower

FRESH CLEANERS & LAUNDRY INC
39-26 30TH ST
LONG ISLAND CITY, NY 11101

RCRA-SQG **1001125032**
NY SHWS **NYR000034363**
NY ENG CONTROLS
NY INST CONTROL
NY BROWNFIELDS

Click here for full text details

RCRA-SQG
EPA Id NYR000034363

NY SHWS
Site Code 440982

NY ENG CONTROLS
Site Code 440982

NY INST CONTROL
Site Code 440982

NY BROWNFIELDS
Site Code 480014
Site Code 464609

X220
WSW
1/8-1/4
0.174 mi.
921 ft.

Relative:
Lower

42-15 CRESENT ST
42-15 CRESCENT STREET
LONG ISLAND CITY, NY 11101

NY UST **U004076474**
N/A

Click here for full text details

X221
WSW
1/8-1/4
0.174 mi.
921 ft.

Relative:
Lower

42-15 CRESENT ST
42-15 CRESCENT STREET
LONG ISLAND CITY, NY 11101

NY AST **A100298588**
N/A

Click here for full text details

NY AST
Facility Id 2-155969

Y222
WNW
1/8-1/4
0.177 mi.
932 ft.

Relative:
Lower

CON EDISON
41-08 24TH ST
QUEENS, NY 11101

NY MANIFEST **S117319462**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004672366

Y223
WNW
1/8-1/4
0.177 mi.
932 ft.

Relative:
Lower

CON EDISON
41-08 24TH ST
QUEENS, NY 11101

NY MANIFEST **S117319463**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004672374

V224
South
1/8-1/4
0.177 mi.
934 ft.

Relative:
Lower

OUTLET CITY INC
42-16 WEST ST
LONG ISLAND CITY, NY 11101

RCRA-VSQG **1000546989**
NY LTANKS **NYD053174041**
NY Spills
FINDS
ECHO
NY MANIFEST

Click here for full text details

RCRA-VSQG
EPA Id NYD053174041

NY LTANKS
Spill Number/Closed Date 9600688 / 2003-05-27
Site ID 254707
Spill Date 1996-03-26

NY Spills
Spill Number/Closed Date 9813882 / 2005-07-22
Spill Number/Closed Date 0301857 / 2003-05-27
Site ID 308118
Site ID 254706
Spill Date 1998-10-01
Spill Date 2003-05-21

FINDS
Registry ID: 110009467166

ECHO
Registry ID 110009467166

NY MANIFEST
EPA ID NYD053174041

V225
South
1/8-1/4
0.177 mi.
934 ft.

Relative:
Lower

OUTLET CITY INC
42-16 WEST ST
LONG ISLAND CITY, NY 11101

Click here for full text details

NY UST **U001836097**
N/A

V226
SSW
1/8-1/4
0.177 mi.
937 ft.

Relative:
Lower

MTA NYCT - JACKSON & WEST SUBSTA SS 26
28-20 JACKSON AVE
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA-VSQG
EPA Id NYR000078238

FINDS
Registry ID: 110004557391

ECHO
Registry ID 110004557391

NY MANIFEST
EPA ID NYR000078238

NJ MANIFEST
EPA Id NYR000078238

RCRA-VSQG **1001818289**
FINDS **NYR000078238**
ECHO
NY MANIFEST
NJ MANIFEST

X227
WSW
1/8-1/4
0.178 mi.
941 ft.

Relative:
Lower

KOREA NEWS
42-22 27TH ST
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA-SQG
EPA Id NYD987005857

FINDS
Registry ID: 110004491292

ECHO
Registry ID 110004491292

NY MANIFEST
EPA ID NYD987005857

RCRA-SQG **1000694281**
FINDS **NYD987005857**
ECHO
NY MANIFEST

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
S228 **ENE** **1/8-1/4** **0.179 mi.** **945 ft.** **Relative:** **Lower**	**CON EDISON MANHOLE: 10596** **NORTHERN BLVD & 40TH AVE** **LONG ISLAND CITY, NY 11101** Click here for full text details **RCRA NonGen / NLR** EPA Id NYP004449062 **NY MANIFEST** EPA ID NYP004449062	**RCRA NonGen / NLR** **NY MANIFEST**	**1016971172** **NYP004449062**
Y229 **WNW** **1/8-1/4** **0.180 mi.** **949 ft.** **Relative:** **Lower**	**CON EDISON** **F/O 41-12 24TH ST** **QUEENS, NY 11101** Click here for full text details **NY MANIFEST** EPA ID NYP004502811	**NY MANIFEST**	**S116551728** **N/A**
W230 **NW** **1/8-1/4** **0.180 mi.** **949 ft.** **Relative:** **Lower**	**40-44 24TH STREET** **40-44 24TH STREET** **LONG ISLAND CITY, NY 11101** Click here for full text details **NY AST** Facility Id 2-612591	**NY AST**	**A100428713** **N/A**
W231 **NW** **1/8-1/4** **0.180 mi.** **949 ft.** **Relative:** **Lower**	**40-44 24TH STREET** **40-44 24TH STREET** **LONG ISLAND CITY, NY 11101** Click here for full text details	**NY UST**	**U004252759** **N/A**
Y232 **WNW** **1/8-1/4** **0.180 mi.** **953 ft.** **Relative:** **Lower**	**LIC 41-48 24TH ST. LLC** **41-18 24TH STREET** **LONG ISLAND CITY, NY 11101** Click here for full text details	**NY UST**	**U004272318** **N/A**

S233
ENE
1/8-1/4
0.181 mi.
955 ft.

Relative:
Lower

BENIGNO FERNANEZ (P & G S/S)
31-01 NORTHERN BLVD
LONG ISLAND CITY, NY 11101

NY LTANKS
NY UST

U000396231
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 8700671 / 2006-08-30
Site ID 149864
Spill Date 1987-04-22

Y234
WNW
1/8-1/4
0.182 mi.
963 ft.

Relative:
Lower

CON EDISON SERVICE BOX: 17516
41-30 24TH ST
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR
NY MANIFEST

1016970526
NYP004442406

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004442406

NY MANIFEST
EPA ID NYP004442406

V235
SSW
1/8-1/4
0.184 mi.
971 ft.

Relative:
Lower

LIC DEVELOPMENT OWNER LP /TISHMAN SPEYER
28-10 JACKSON AVE
LONG ISLAND CITY, NY 11101

NY MANIFEST

S119079194
N/A

Click here for full text details

NY MANIFEST
EPA ID NYR000212399

V236
SSW
1/8-1/4
0.184 mi.
971 ft.

Relative:
Lower

QUEENS PLAZA RESIDENTIAL DEVELOPMENT-SITEB-OFFSITE
28-10 JACKSON AVENUE
LONG ISLAND CITY, NY 11101

NY BROWNFIELDS
NY Spills

S113493750
N/A

Click here for full text details

NY BROWNFIELDS
Site Code 504593

NY Spills
Spill Number/Closed Date 1301217 / 2016-01-05
Site ID 481588
Spill Date 2013-05-06

V237
SSW
1/8-1/4
0.184 mi.
971 ft.

Relative:
Lower

QUEENS PLAZA RESIDENTIAL DEV
28-10 JACKSON AVE
LONG ISLAND CITY, NY 11101

RCRA-LQG **1016974779**
NYR000212399

Click here for full text details

RCRA-LQG
EPA Id NYR000212399

V238
SSW
1/8-1/4
0.184 mi.
971 ft.

Relative:
Lower

QUEENS PLAZA RESIDENTIAL DEVELOPMENT, BCP SITE A
28-10 JACKSON AVENUE
LONG ISLAND CITY, NY 11101

NY UST **U004228471**
N/A

Click here for full text details

T239
North
1/8-1/4
0.186 mi.
982 ft.

Relative:
Higher

LIC FACILITY - MSKCC
39-40 CRESCENT STREET
LONG ISLAND CITY, NY 11101

NY AST **A100294826**
N/A

Click here for full text details

NY AST
Facility Id 2-610003

X240
West
1/8-1/4
0.187 mi.
986 ft.

Relative:
Lower

VERDERAME CONSTRUCTION CO INC
24-16 QUEENS PLZ S VACANT LOT
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1000553017**
FINDS **NYD986954261**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYD986954261

FINDS
Registry ID: 110004467693

ECHO
Registry ID 110004467693

X241
West
1/8-1/4
0.187 mi.
986 ft.

Relative:
Lower

24-16 QUEENS PLAZA SOUTH
24-16 QUEENS PLAZA SOUTH
LONG ISLAND CITY, NY 11101

NY AST **A100416441**
N/A

Click here for full text details

NY AST
Facility Id 2-247618

V242
SSW
1/8-1/4
0.188 mi.
992 ft.

Relative:
Lower

QUEENS PLAZA RESIDENTIAL DEVELOPMENT-SITE A
28-02 JACKSON AVENUE AND 28-30 JACKSON AVENUE
LONG ISLAND CITY, NY 11101

NY BROWNFIELDS **S118950486**
N/A

Click here for full text details

NY BROWNFIELDS
Site Code 379475

V243
SSW
1/8-1/4
0.188 mi.
992 ft.

Relative:
Lower

QUEENS PLAZA RESIDENTIAL DEVELOPMENT-SITEA-OFFSITE
28-02 JACKSON AVENUE
LONG ISLAND CITY, NY 11101

NY BROWNFIELDS **S120706177**
N/A

Click here for full text details

NY BROWNFIELDS
Site Code 515750

Z244
East
1/8-1/4
0.188 mi.
993 ft.

Relative:
Lower

NORTH EQUITIES INCORPORATED (30)
30-30 NORTHERN BOULEVARD
LONG ISLAND CITY, NY 11101

NY AST **U003396395**
N/A

Click here for full text details

NY AST
Facility Id 2-601990

Z245
East
1/8-1/4
0.188 mi.
993 ft.

Relative:
Lower

GORDON-GRUENSTEIN INC
30-30 NORTHERN BLVD
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1000191123**
FINDS **NYD001282821**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYD001282821

FINDS
Registry ID: 110019778141
Registry ID: 110004333294

ECHO
Registry ID 110004333294

AA246
West
1/8-1/4
0.188 mi.
994 ft.

Relative:
Lower

CON EDISON SERVICE BOX: 9261
24TH ST & QUEENS PLAZA N
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1016970523**
NY MANIFEST **NYP004442372**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004442372

NY MANIFEST
EPA ID NYP004442372

X247
WSW
1/8-1/4
0.188 mi.
994 ft.

Relative:
Lower

CON EDISON
42-06 CRESCENT ST
QUEENS, NY 11101

NY MANIFEST **S117314738**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004618112

AB248
WSW
1/8-1/4
0.189 mi.
999 ft.

Relative:
Lower

NYSDEC REGION2 SPILL #1509704
27TH ST & 42ND RD
LONG ISLAND CITY, NY 11101

NY MANIFEST **S118563231**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP000972521

AB249
WSW
1/8-1/4
0.189 mi.
999 ft.

Relative:
Lower

NYSDEC REGION2 SPILL #1509704
27TH ST & 42ND RD
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1018277394**
FINDS **NYP000972521**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP000972521

FINDS
Registry ID: 110067265006

ECHO
Registry ID 110067265006

AA250
WNW
1/8-1/4
0.190 mi.
1001 ft.

Relative:
Lower

41-50 24TH ST
41-50 24TH STREET
LONG ISLAND CITY, NY 11101

Click here for full text details

NY UST **U002259576**
N/A

AA251
WNW
1/8-1/4
0.190 mi.
1001 ft.

Relative:
Lower

CON EDISON SERVICE BOX: 48505
41-50 24TH ST
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA NonGen / NLR **1016970524**
NY MANIFEST **NYP004442380**

RCRA NonGen / NLR
EPA Id NYP004442380

NY MANIFEST
EPA ID NYP004442380

AC252
SSW
1/8-1/4
0.190 mi.
1002 ft.

Relative:
Lower

J BROTHERS AUTO BODY INC
28-20 42ND RD
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA NonGen / NLR **1004760310**
FINDS **NYR000039644**
ECHO
NY MANIFEST

RCRA NonGen / NLR
EPA Id NYR000039644

FINDS
Registry ID: 110004534549

ECHO
Registry ID 110004534549

NY MANIFEST
EPA ID NYR000039644

AB253
SW
1/8-1/4
0.193 mi.
1021 ft.

Relative:
Lower

ANOCA PLATING SERVICE CORP
27-04 42ND RD
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA NonGen / NLR **1000166062**
FINDS **NYD041565748**
ECHO

RCRA NonGen / NLR
EPA Id NYD041565748

FINDS

ANOCA PLATING SERVICE CORP (Continued) **1000166062**

Registry ID: 110004354341

ECHO
Registry ID 110004354341

U254 **CON EDISON** **NY MANIFEST** **S117314813**
NE **39-06 30TH ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.196 mi.
1035 ft.

Relative:
Higher

Click here for full text details

NY MANIFEST
EPA ID NYP004618971

X255 **KRK EXPEDITING CO INC** **NY UST** **U000401652**
WSW **42-21 CRESCENT ST** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.197 mi.
1038 ft.

Relative:
Lower

Click here for full text details

AD256 **EVANGEL CHURCH & SCHOOL** **NY UST** **U004046687**
North **39-21 CRESCENT STREET** **N/A**
1/8-1/4 **LONG ISLAND CITY, NY 11101**
0.197 mi.
1039 ft.

Relative:
Higher

Click here for full text details

Z257 **MAACO AUTO PAINTING & BODY WORK** **RCRA NonGen / NLR** **1000174864**
East **31-02 NORTHERN BLVD** **US AIRS** **NYD982271777**
1/8-1/4 **LONG ISLAND CITY, NY 11101** **FINDS**
0.199 mi. **NY MANIFEST**
1049 ft.

Relative:
Lower

Click here for full text details

RCRA NonGen / NLR
EPA Id NYD982271777

US AIRS
EPA plant ID: 110041993402

FINDS
Registry ID: 110019506275

NY MANIFEST

MAACO AUTO PAINTING & BODY WORK (Continued) **1000174864**

EPA ID NYD982271777

AE258
NNW
1/8-1/4
0.201 mi.
1059 ft.

Relative:
Lower

CON EDISON - TRANSFORMER MANHOLE 6442 **NJ MANIFEST** **S120677707**
24TH ST & 40TH AVE **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NJ MANIFEST
EPA Id NYP004854655

AE259
NNW
1/8-1/4
0.201 mi.
1059 ft.

Relative:
Lower

CON EDISON - TRANSFORMER MANHOLE 6442 **RCRA-LQG** **1019325750**
24TH ST & 40TH AVE **NYP004854655**
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA-LQG
EPA Id NYP004854655

AE260
NNW
1/8-1/4
0.201 mi.
1059 ft.

Relative:
Lower

CON ED **NY MANIFEST** **S118563572**
24TH ST & 40TH AVE **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY MANIFEST
EPA ID NYP004854655

V261
South
1/8-1/4
0.201 mi.
1059 ft.

Relative:
Lower

OUTLET CITY, QUEENS BLVD. & JACKSON AVE. **NY VCP** **S105684691**
QUEENS BLVD. & JACKSON AVE., L.I.C. **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY VCP
Site Code 58261

Y262
NW
1/8-1/4
0.201 mi.
1061 ft.

Relative:
Lower

23-01 41ST AVENUE **NY VCP** **S118943521**
23-01 41ST AVENUE **N/A**
NEW YORK CITY, NY

Click here for full text details

Y263
NW
1/8-1/4
0.201 mi.
1061 ft.

Relative:
Lower

HIMALAYAN GAS INC.
23-01 41ST AVENUE
LONG ISLAND CITY, NY 11101

NY UST **U000411243**
N/A

Click here for full text details

Y264
NW
1/8-1/4
0.201 mi.
1061 ft.

Relative:
Lower

MONICA GAS ENTERPRISES
2301 41ST AVE
LONG ISLAND CITY, NY 11101

NY MANIFEST **S117564807**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYR000059444

Y265
NW
1/8-1/4
0.201 mi.
1061 ft.

Relative:
Lower

MONICA GAS ENTERPRISES
2301 41ST AVE
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1001229364**
FINDS **NYR000059444**
ECHO

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000059444

FINDS
Registry ID: 110004546073

ECHO
Registry ID 110004546073

Y266
NW
1/8-1/4
0.201 mi.
1061 ft.

Relative:
Lower

QUEENS BORO AUTOBODY INC
23-01 41ST AVENUE
LONG ISLAND CITY, NY 11101

NY AST **A100295692**
N/A

Click here for full text details

NY AST
Facility Id 2-607970

Y267
NW
1/8-1/4
0.201 mi.
1061 ft.

Relative:
Lower

GULF MOKIN GAS
23-01 41ST AVE
LONG ISLAND CITY, NY

NY LTANKS **S106124280**
NY Spills **N/A**

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0808735 / 2009-08-28

GULF MOKIN GAS (Continued) **S106124280**

Spill Number/Closed Date 0308076 / 2004-01-07
Site ID 406141
Site ID 237638
Spill Date 2008-11-03
Spill Date 2003-10-30

NY Spills
Spill Number/Closed Date 9611967 / 1997-01-10
Site ID 298938
Spill Date 1997-01-03

AC268
SSW
1/8-1/4
0.202 mi.
1064 ft.

Relative:
Lower

CON EDISON - MANHOLE 22740 **NJ MANIFEST** **S120668452**
42ND RD & JACKSON AVE **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NJ MANIFEST
EPA Id NYP004744850

AC269
SSW
1/8-1/4
0.202 mi.
1064 ft.

Relative:
Lower

CON EDISON **RCRA NonGen / NLR** **1018279614**
42ND RD & JACKSON AVE **FINDS** **NYP004744470**
LONG ISLAND CITY, NY 11101 **ECHO**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004744470

FINDS
Registry ID: 110067693357

ECHO
Registry ID 110067693357

AC270
SSW
1/8-1/4
0.202 mi.
1064 ft.

Relative:
Lower

CON EDISON - MANHOLE 22740 **RCRA-LQG** **1019324767**
42ND RD & JACKSON AVE **NYP004744850**
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA-LQG
EPA Id NYP004744850

AC271
SSW
1/8-1/4
0.202 mi.
1064 ft.

Relative:
Lower

CON EDISON — **NY MANIFEST** — **S121967283**
42ND RD & JACKSON AVE — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY MANIFEST
EPA ID NYP004744470
EPA ID NYP004744850

AC272
SSW
1/8-1/4
0.202 mi.
1064 ft.

Relative:
Lower

CON EDISON — **NJ MANIFEST** — **S120668421**
42 RD & JACKSON AVE — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NJ MANIFEST
EPA Id NYP004744470

X273
West
1/8-1/4
0.202 mi.
1067 ft.

Relative:
Lower

APEX TECHNICAL SCHOOL — **NJ MANIFEST** — **S120678951**
24-02 QUEENS PLAZA SOUTH — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NJ MANIFEST
EPA Id NYR000198275

X274
West
1/8-1/4
0.202 mi.
1067 ft.

Relative:
Lower

APEX TECHNICAL SCHOOL — **RCRA-VSQG** — **1015754406**
24-02 QUEENS PLAZA SOUTH — **NY MANIFEST** — **NYR000198275**
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA-VSQG
EPA Id NYR000198275

NY MANIFEST
EPA ID NYR000198275

Y275
NW
1/8-1/4
0.203 mi.
1070 ft.

Relative:
Lower

QAZI TOWING — **NY UST** — **U004067792**
41-01 23RD STREET — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

Y276
NW
1/8-1/4
0.203 mi.
1070 ft.

Relative:
Lower

QAZI TOWING — **NY AST** — **A100295680**
41-01 23RD STREET — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY AST
Facility Id 2-607885

X277
West
1/8-1/4
0.206 mi.
1090 ft.

Relative:
Lower

ELECTRIC REALTY CO, LLC. — **NY UST** — **U000405641**
24-02 BRIDGE PLAZA SOUTH — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

AB278
SW
1/8-1/4
0.209 mi.
1101 ft.

Relative:
Lower

42-64 HUNTER STREET — **NY LTANKS** — **S102619659**
42-64 HUNTER STREET — **N/A**
LONG ISLAND CITY, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9310213 / 1993-11-22
Site ID 119063
Spill Date 1993-11-22

AF279
NNE
1/8-1/4
0.209 mi.
1104 ft.

Relative:
Higher

KONSTANDT LABS — **RCRA NonGen / NLR** — **1000387917**
27-14 39TH AVE — **FINDS** — **NYD982720302**
LONG ISLAND CITY, NY 11101 — **ECHO**
NY MANIFEST

Click here for full text details

RCRA NonGen / NLR
EPA Id NYD982720302

FINDS
Registry ID: 110004561634

ECHO
Registry ID 110004561634

NY MANIFEST
EPA ID NYD982720302

AF280
NNE
1/8-1/4
0.209 mi.
1104 ft.

Relative: Higher

NATIONAL TESTING LABORATORIES INC
27-14 39TH AVE - STORAGE
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR
NY MANIFEST

1001961694
NYR000085118

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000085118

NY MANIFEST
EPA ID NYR000085118

W281
NW
1/8-1/4
0.211 mi.
1113 ft.

Relative: Lower

RELAX AUTO
40-23 23RD STREET
LONG ISLAND CITY, NY 11101

NY AST

A100462498
N/A

Click here for full text details

NY AST
Facility Id 2-612888

AF282
NNE
1/8-1/4
0.211 mi.
1115 ft.

Relative: Higher

CALLIOPI LAMBADIS
27-08 39 AVE
LONG ISLAND CITY, NY 11101

NY AST

U003391963
N/A

Click here for full text details

NY AST
Facility Id 2-404640

Z283
East
1/8-1/4
0.211 mi.
1115 ft.

Relative: Lower

31-02 NORTHERN BLVD. REALTY, LLC
31-02 NORTHERN BOULEVARD
LONG ISLAND CITY, NY 11101

NY UST

U001832801
N/A

Click here for full text details

Z284
East
1/8-1/4
0.211 mi.
1115 ft.

Relative: Lower

MAACO AUTO PAINTING AND BODYWORKS
NORTHERN BLVD
LONG ISLAND CITY, NY 11101

NY MANIFEST

S119078323
N/A

Click here for full text details

NY MANIFEST
EPA ID NYR000004929

Z285
East
1/8-1/4
0.211 mi.
1115 ft.

Relative:
Lower

MAACO AUTO PAINTING AND BODYWORK
NORTHERN BLVD
LONG ISLAND CITY, NY 11101

RCRA-VSQG
NJ MANIFEST

1004759289
NYR000004929

Click here for full text details

RCRA-VSQG
EPA Id NYR000004929

NJ MANIFEST
EPA Id NYR000004929

AC286
SW
1/8-1/4
0.213 mi.
1127 ft.

Relative:
Lower

KENT BRAGALINE INC
27-45 JACKSON AVE
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR
FINDS
ECHO
NY MANIFEST

1001493668
NYR000075630

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000075630

FINDS
Registry ID: 110004555810

ECHO
Registry ID 110004555810

NY MANIFEST
EPA ID NYR000075630

X287
WSW
1/8-1/4
0.214 mi.
1129 ft.

Relative:
Lower

CON EDISON
FRONT 42-24 CRESENT ST
QUEENS, NY 11101

NY MANIFEST

S117318082
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004655791

Y288
NW
1/8-1/4
0.215 mi.
1137 ft.

Relative:
Lower

MTA NYCT 23RD STREET VENTILATION FACILITY
23RD ST & 41ST AVE
LONG ISLAND CITY, NY 11101

RCRA-SQG
NY MANIFEST

1014958405
NYR000196576

Click here for full text details

RCRA-SQG
EPA Id NYR000196576

NY MANIFEST

MTA NYCT 23RD STREET VENTILATION FACILITY (Continued) **1014958405**

EPA ID NYR000196576

Y289
NW
1/8-1/4
0.215 mi.
1137 ft.

Relative:
Lower

MTA NYCT 23RD STREET VENTILATION FACILITY **NJ MANIFEST** **S117987455**
23RD ST & 41ST AVE **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NJ MANIFEST
EPA Id NYR000196576

Y290
NW
1/8-1/4
0.215 mi.
1137 ft.

Relative:
Lower

CON EDISON - SERVICE BOX 12870 **NY MANIFEST** **S120957975**
23 ST & 41 AVE **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY MANIFEST
EPA ID NYP004899328

AG291
NW
1/8-1/4
0.218 mi.
1150 ft.

Relative:
Lower

ADRIA MOTORS AUTO REPAIRS **NY AST** **A100467829**
40-19 23RD STREET **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY AST
Facility Id 2-612911

AH292
SSW
1/8-1/4
0.218 mi.
1152 ft.

Relative:
Lower

BURNHAM PRODUCTS CORP **RCRA NonGen / NLR** **1000315395**
42-24 ORCHARD ST **NY MANIFEST** **NYD001726496**
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA NonGen / NLR
EPA Id NYD001726496

NY MANIFEST
EPA ID NYD001726496

AH293
SSW
1/8-1/4
0.218 mi.
1152 ft.

Relative:
Lower

CON EDISON
42-24 ORCHARD ST
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR | **1019909196**
NYP004882094

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004882094

AH294
SSW
1/8-1/4
0.218 mi.
1152 ft.

Relative:
Lower

CON EDISON
4224 ORCHARD ST
QUEENS, NY 11101

RCRA-LQG | **1019326059**
NYP004882098

Click here for full text details

RCRA-LQG
EPA Id NYP004882098

AH295
SSW
1/8-1/4
0.218 mi.
1152 ft.

Relative:
Lower

CON EDISON - TRANSFORMER MANHOLE 6482
42-24 ORCHARD ST
LONG ISLAND CITY, NY 11101

RCRA-LQG | **1024891367**
NYP005102298

Click here for full text details

RCRA-LQG
EPA Id NYP005102298

AH296
SSW
1/8-1/4
0.218 mi.
1152 ft.

Relative:
Lower

CON EDISON
4224 ORCHARD ST
QUEENS, NY 11101

NY MANIFEST | **S118464259**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004882098

AH297
SSW
1/8-1/4
0.218 mi.
1152 ft.

Relative:
Lower

CON EDISON - TRANSFORMER MANHOLE 6482
42-24 ORCHARD ST
LONG ISLAND CITY, NY 11101

NY MANIFEST | **S121968290**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP005102298

AD298
North
1/8-1/4
0.222 mi.
1170 ft.

Relative:
Lower

39-31 24TH ST — **NY AST** — **A100354083**
39-31 24TH STREET — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY AST
Facility Id 2-611437

AB299
WSW
1/8-1/4
0.224 mi.
1185 ft.

Relative:
Lower

BAGWIN BROTHERS SERVICE CENTER, INC. — **NY UST** — **U004046068**
42-37 CRESCENT STREET — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

AF300
NNE
1/8-1/4
0.228 mi.
1203 ft.

Relative:
Higher

CON EDISON — **RCRA NonGen / NLR** — **1018281060**
27TH ST & 39TH AVE 230 FEET N — **FINDS** — **NYP004759908**
LONG ISLAND CITY, NY 11101 — **ECHO**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004759908

FINDS
Registry ID: 110067686775

ECHO
Registry ID 110067686775

AF301
NNE
1/8-1/4
0.228 mi.
1206 ft.

Relative:
Higher

CON EDISON — **NY MANIFEST** — **S118088426**
27TH ST & 39TH AVE — **N/A**
QUEENS, NY 11101

Click here for full text details

NY MANIFEST
EPA ID NYP004759903

AH302
South
1/8-1/4
0.229 mi.
1211 ft.

Relative:
Lower

QUEENS PLAZA RESIDENTIAL DEVELOPMENT - SITEB — **NY BROWNFIELDS** — **S118950488**
28-02/28-30 JACKSON AVENUE AND 30-02 QUEENS BLVD. — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY BROWNFIELDS
Site Code 483795

AI303
NE
1/8-1/4
0.230 mi.
1213 ft.

Relative:
Higher

MELNICH REALTY CO.
29-05 39TH AVENUE
LONG ISLAND CITY, NY 11101

NY AST **U003388948**
N/A

Click here for full text details

NY AST
Facility Id 2-284033

AC304
SSW
1/8-1/4
0.231 mi.
1222 ft.

Relative:
Lower

CON EDISON MANHOLE: 581
QUEENS ST & JACKSON AVE
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1016972263**
NY MANIFEST **NYP004460309**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004460309

NY MANIFEST
EPA ID NYP004460309

AD305
North
1/8-1/4
0.233 mi.
1231 ft.

Relative:
Lower

39-23 REALTY LLC
39-23 24TH STREET
LONG ISLAND CITY, NY 11101

NY AST **A100292290**
N/A

Click here for full text details

NY AST
Facility Id 2-609677

AJ306
WSW
1/8-1/4
0.234 mi.
1236 ft.

Relative:
Lower

CON EDISON
24-04 42ND RD
QUEENS, NY 11101

RCRA NonGen / NLR **1019326071**
NYP004883944

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004883944

AJ307
WSW
1/8-1/4
0.234 mi.
1236 ft.

Relative:
Lower

CON ED
24-04 42ND RD OPP
QUEENS, NY 11101

NY MANIFEST **S118563820**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004883944

AJ308
WSW
1/8-1/4
0.234 mi.
1236 ft.

Relative:
Lower

CON EDISON
24-04 42ND RD OPP
QUEENS, NY 11101

NJ MANIFEST | **S120678509**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004883944

AK309
West
1/8-1/4
0.235 mi.
1239 ft.

Relative:
Lower

COOPER WIRING DEVICES
23-10 QUEENS PLAZA SOUTH
LONG ISLAND CITY, NY 11101

RCRA-SQG | **1007449135**
NY MANIFEST | **NYR000125492**

Click here for full text details

RCRA-SQG
EPA Id NYR000125492

NY MANIFEST
EPA ID NYR000125492

AK310
West
1/8-1/4
0.235 mi.
1239 ft.

Relative:
Lower

23-10 QUEENS PLAZA SOUTH
23-10 QUEENS PLAZA SOUTH
LONG ISLAND CITY, NY 11101

NY UST | **U004248199**
N/A

Click here for full text details

AK311
West
1/8-1/4
0.235 mi.
1239 ft.

Relative:
Lower

23-10 QUEENS PLAZA SOUTH
23-10 QUEENS PLAZA S
LONG ISLAND CITY, NY 11101

NY MANIFEST | **S123692804**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYR000238592

AK312
West
1/8-1/4
0.235 mi.
1239 ft.

Relative:
Lower

QUEENS PLAZA S DEVELOPMENT
23-10 QUEENS PLAZA S
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR | **1024892259**
NYR000238592

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000238592

AK313
West
1/8-1/4
0.235 mi.
1239 ft.

Relative:
Lower

MTA NYCTA FLUSHING LINE BENTS 76-110 7LINE
2310 QUEENS PLAZA S
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR
NJ MANIFEST
NY MANIFEST

1012186249
NYR000161109

Click here for full text details

RCRA NonGen / NLR
EPA Id NYR000161109

NJ MANIFEST
EPA Id NYR000161109

NY MANIFEST
EPA ID NYR000161109

AK314
West
1/8-1/4
0.235 mi.
1239 ft.

Relative:
Lower

23-10 QUEENS PLAZA SOUTH
23-10 QUEENS PLAZA SOUTH
LONG ISLAND CITY, NY 11101

NY AST
NY ENG CONTROLS
NY INST CONTROL
NY BROWNFIELDS

U003393329
N/A

Click here for full text details

NY AST
Facility Id 2-017345

NY ENG CONTROLS
Site Code 491518

NY INST CONTROL
Site Code 491518

NY BROWNFIELDS
Site Code 491518

AJ315
WSW
1/8-1/4
0.235 mi.
1241 ft.

Relative:
Lower

EPPY PLATING
42-40 CRESCENT ST
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR

1000440607
NYD078517307

Click here for full text details

RCRA NonGen / NLR
EPA Id NYD078517307

AI316
NE
1/8-1/4
0.237 mi.
1253 ft.

Relative:
Higher

20 FAMILY APT. HOUSE
38-32 29TH STREET
LONG ISLAND CITY, NY 11101

NY AST **U003392635**
N/A

Click here for full text details

NY AST
Facility Id 2-210218

AF317
NNE
1/8-1/4
0.239 mi.
1261 ft.

Relative:
Higher

CON ED
38-33 28TH ST
LONG ISLAND CITY, NY 11101

NY MANIFEST **S119075460**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004785697

AF318
NNE
1/8-1/4
0.239 mi.
1261 ft.

Relative:
Higher

CON EDISON
38-33 28TH ST
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1019903449**
NYP004785697

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004785697

AF319
NNE
1/8-1/4
0.239 mi.
1261 ft.

Relative:
Higher

CON EDISON
38-33 28TH ST
LONG ISLAND CITY, NY 11101

NJ MANIFEST **S120672051**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004785697

320
East
1/8-1/4
0.239 mi.
1261 ft.

Relative:
Lower

AUDAX CONSTRUCTION CORPORATION
31-08 NORTHERN BOULEVARD
LONG ISLAND CITY, NY 11101

NY UST **U003065918**
N/A

Click here for full text details

AH321
SSW
1/8-1/4
0.239 mi.
1262 ft.

Relative:
Lower

CON EDISON
42-02 QUEENS PLAZA S
LONG ISLAND CITY, NY 11101

NY MANIFEST **S119074389**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYP004767083

AH322
SSW
1/8-1/4
0.239 mi.
1262 ft.

Relative:
Lower

CON EDISON
42-02 QUEENS PLAZA S
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1019901880**
NYP004767083

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004767083

AH323
SSW
1/8-1/4
0.239 mi.
1262 ft.

Relative:
Lower

EXXON-MOBIL
42-02 QUEENS BLVD
LONG ISLAND CITY, NY

NY LTANKS **S104782135**
NY Spills **N/A**

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0004702 / 2003-07-02
Spill Number/Closed Date 0006097 / 2003-07-02
Site ID 67392
Site ID 67393
Spill Date 2000-07-19
Spill Date 2000-08-22

NY Spills
Spill Number/Closed Date 0500861 / 2005-06-28
Spill Number/Closed Date 0606326 / 2006-12-14
Site ID 343955
Site ID 369661
Spill Date 2005-04-20
Spill Date 2006-09-01

AH324
SSW
1/8-1/4
0.239 mi.
1262 ft.

Relative:
Lower

CON EDISON
42-02 QUEENS PLAZA S
LONG ISLAND CITY, NY 11101

NJ MANIFEST **S120670404**
N/A

Click here for full text details

NJ MANIFEST
EPA Id NYP004767083

AL325
SW
1/8-1/4
0.240 mi.
1267 ft.

Relative:
Lower

CON EDISON
27-35 JACKSON AVE
QUEENS, NY 11103

NY E DESIGNATION **S108469581**
NY MANIFEST **N/A**

Click here for full text details

NY MANIFEST
EPA ID NYP004648903

AG326
NW
1/8-1/4
0.241 mi.
1272 ft.

Relative:
Lower

LONDON TOWNCARS,INC
40-14 23RD STREET
LONG ISLAND CITY, NY 11101

NY UST **U003074935**
NY AST **N/A**

Click here for full text details

NY AST
Facility Id 2-600204

AL327
SW
1/8-1/4
0.241 mi.
1275 ft.

Relative:
Lower

27-35 JACKSON AVENUE LLC
27-35 JACKSON AVE
LONG ISLAND CITY, NY 11101

NY AST **U003388903**
N/A

Click here for full text details

NY AST
Facility Id 2-283118

AM328
WNW
1/8-1/4
0.242 mi.
1280 ft.

Relative:
Lower

PETROCELLI ELECTRIC CO. INC.
22-09 BRIDGE PLAZA NORTH
LONG ISLAND CITY, NY 11101

NY UST **U003397353**
N/A

Click here for full text details

AJ329
WSW
1/8-1/4
0.243 mi.
1283 ft.

Relative:
Lower

CON ED - V 7677
W/S 24 ST/42 RD
ASTORIA, NY 11105

RCRA NonGen / NLR **1007206106**
NY MANIFEST **NYP004003646**

Click here for full text details

RCRA NonGen / NLR
EPA Id NYP004003646

NY MANIFEST
EPA ID NYP004003646

AN330
ENE
1/8-1/4
0.248 mi.
1310 ft.

Relative:
Lower

MTA NYCT - 39TH AVENUE STATION - N LINE
39TH AVE & 31ST ST
QUEENS, NY 11101

PA MANIFEST | **S125059612**
N/A

Click here for full text details

PA MANIFEST
Generator EPA Id NYR000206953

AN331
ENE
1/8-1/4
0.248 mi.
1310 ft.

Relative:
Lower

MTA NYCT - 39TH AVENUE STATION - N LINE
39TH AVE & 31ST ST
QUEENS, NY 11101

RCRA-SQG
FINDS
ECHO
NY MANIFEST
1016455592
NYR000206953

Click here for full text details

RCRA-SQG
EPA Id NYR000206953

FINDS
Registry ID: 110057070342

ECHO
Registry ID 110057070342

NY MANIFEST
EPA ID NYR000206953

AO332
NW
1/8-1/4
0.249 mi.
1313 ft.

Relative:
Lower

DOUBLE E PLATING CO DBA HYGRADE POLISHING & PLATIN
22-07 41ST AVE
LONG ISLAND CITY, NY 11101

RCRA-LQG
NY ENG CONTROLS
NY INST CONTROL
NY BROWNFIELDS
1009218042
NYD001531094

Click here for full text details

RCRA-LQG
EPA Id NYD001531094

NY ENG CONTROLS
Site Code 499923

NY INST CONTROL
Site Code 499923

NY BROWNFIELDS
Site Code 499923

AO333
NW
1/8-1/4
0.249 mi.
1313 ft.

Relative:
Lower

DOUBLE E PLATING CO DBA HYGRADE POLISHING & PLATIN
22-07 41ST AVE
LONG ISLAND CITY, NY 11101

NY MANIFEST **S117735942**
N/A

Click here for full text details

NY MANIFEST
EPA ID NYD001531094

AO334
NW
1/8-1/4
0.249 mi.
1313 ft.

Relative:
Lower

HYGRADE POLISHING & PLATING CO
22-07 41ST AVE
LONG ISLAND CITY, NY 11101

RCRA NonGen / NLR **1001968772**
NYN008007973

Click here for full text details

RCRA NonGen / NLR
EPA Id NYN008007973

AO335
NW
1/8-1/4
0.249 mi.
1313 ft.

Relative:
Lower

FORMER HYGRADE POLISHING AND PLATING CO - OFF-SITE
22-07 41ST AVENUE
LONG ISLAND CITY, NY 11101

NY BROWNFIELDS **S118372395**
N/A

Click here for full text details

NY BROWNFIELDS
Site Code 520289

AG336
NNW
1/8-1/4
0.249 mi.
1317 ft.

Relative:
Lower

22-14 40TH AVENUE
22-14 40TH AVENUE
LIC, NY 11101

NY AST **A100362306**
N/A

Click here for full text details

NY AST
Facility Id 2-611861

AG337
NNW
1/8-1/4
0.249 mi.
1317 ft.

Relative:
Lower

WALKER E WHYTE INC
22-14 40TH AVE
LONG ISLAND CITY, NY 11101

RCRA-SQG **1004755983**
FINDS **NY0000915165**
ECHO
NY MANIFEST

Click here for full text details

RCRA-SQG
EPA Id NY0000915165

FINDS
Registry ID: 110000805914

ECHO

WALKER E WHYTE INC (Continued) **1004755983**

Registry ID 110000805914

NY MANIFEST
EPA ID NY0000915165

AF338 **ABANDONED BLDG** **NY LTANKS** **S103478191**
NNE **38-28 28TH ST** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.251 mi.
1326 ft.

Relative: Higher

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9805230 / 1999-04-27
Site ID 271765
Spill Date 1998-07-27

AK339 **23-01 42ND ROAD** **NY ENG CONTROLS** **S113813706**
West **23-01 42ND ROAD** **NY INST CONTROL** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101** **NY BROWNFIELDS**
0.252 mi.
1328 ft.

Relative: Lower

Click here for full text details

NY ENG CONTROLS
Site Code 484397

NY INST CONTROL
Site Code 484397

NY BROWNFIELDS
Site Code 484397

AM340 **22-09 QUEENS PLAZA NORTH** **NY BROWNFIELDS** **S127012993**
WNW **22-09 QUEENS PLAZA NORTH** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY 11101**
0.253 mi.
1338 ft.

Relative: Lower

Click here for full text details

NY BROWNFIELDS
Site Code 607949

341
North
1/4-1/2
0.260 mi.
1374 ft.

Relative:
Higher

38-31 CRESCENT ST — **NY LTANKS** — **S105230180**
38-31 CRESCENT ST — **N/A**
LONG ISLAND CITY, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0011444 / 2001-10-23
Site ID 123310
Spill Date 2001-01-22

AL342
SW
1/4-1/2
0.284 mi.
1499 ft.

Relative:
Lower

27-01 JACKSON AVENUE — **NY BROWNFIELDS** — **S121933805**
27-01 JACKSON AVENUE — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY BROWNFIELDS
Site Code 567169

AP343
WSW
1/4-1/2
0.295 mi.
1557 ft.

Relative:
Lower

MID TOWN OPERATING COMPANY TTF — **NY LTANKS** — **S110140580**
42-50 24TH ST — **N/A**
LONG ISLAND CITY, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0911288 / 2010-01-21
Site ID 424084
Spill Date 2010-01-20

AP344
WSW
1/4-1/2
0.295 mi.
1557 ft.

Relative:
Lower

QUEENS PLAZA TAXI — **NY BROWNFIELDS** — **S118950511**
42-50 24TH STREET — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY BROWNFIELDS
Site Code 532742

345
East
1/4-1/2
0.296 mi.
1565 ft.

Relative:
Lower

AMTRAK SUNNYSIDE YARD — **NY SHWS** — **S103575644**
39-29 HONEYWELL STREET — **NY LTANKS** — **N/A**
LONG ISLAND CITY, NY 11101 — **NY TANKS**
NY Spills

Click here for full text details

NY SHWS
Site Code 57794

NY LTANKS

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Spill Number/Closed Date 9207333 / 2003-11-24
Spill Number/Closed Date 9013163 / 2003-03-14
Site ID 97456
Site ID 97453
Spill Date 1991-01-01
Spill Date 1991-03-23

NY TANKS
Site Status Active
Facility Id 2-323497

NY Spills
Spill Number/Closed Date 0009462 / 2003-02-24
Spill Number/Closed Date 9814658 / 2003-11-24
Spill Number/Closed Date 9903705 / 2003-11-24
Spill Number/Closed Date 0103793 / 2003-06-26
Spill Number/Closed Date 0109691 / 2003-11-24
Spill Number/Closed Date 0200853 / 2003-10-17
Spill Number/Closed Date 0303007 / 2003-08-29
Spill Number/Closed Date 9804210 / 1998-08-27
Spill Number/Closed Date 9811804 / 2003-11-24
Spill Number/Closed Date 0613010 / 2007-03-05
Spill Number/Closed Date 1112990 / 2012-02-14
Site ID 216873
Site ID 219142
Site ID 219143
Site ID 219136
Site ID 219137
Site ID 219138
Site ID 219139
Site ID 219140
Site ID 219141
Site ID 377965
Site ID 460959
Site ID 311577
Site ID 97455
Site ID 97446
Site ID 97447
Site ID 97448
Site ID 97449
Site ID 97450
Site ID 97451
Site ID 97452
Site ID 97454
Site ID 97445
Site ID 506094
Spill Date 2000-11-17
Spill Date 1999-03-09
Spill Date 1999-06-29
Spill Date 2001-07-10
Spill Date 2002-01-05
Spill Date 2002-04-20
Spill Date 2003-06-21
Spill Date 1998-07-02

AMTRAK SUNNYSIDE YARD (Continued) **S103575644**

Spill Date 1998-12-18
Spill Date 2007-03-02
Spill Date 2012-02-13
Spill Date 2004-05-14
Spill Date 1992-03-25
Spill Date 2000-11-08
Spill Date 2001-12-08
Spill Date 1985-11-27
Spill Date 1986-06-24
Spill Date 1987-03-20
Spill Date 1987-08-12
Spill Date 1991-06-04
Spill Date 2000-04-20
Spill Date 2015-03-31

AQ346
SW
1/4-1/2
0.303 mi.
1602 ft.

Relative:
Lower

26-32 JACKSON AVENUE **NY BROWNFIELDS** **S122449243**
26-32 JACKSON AVENUE **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY BROWNFIELDS
Site Code 571176

347
SW
1/4-1/2
0.314 mi.
1659 ft.

Relative:
Lower

RESIDENTS **NY LTANKS** **S105135086**
43-09 HUNTERS STREET **NY Spills** **N/A**
LONG ISLAND CITY, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0105318 / 2003-06-30
Site ID 242115
Spill Date 2001-08-16

NY Spills
Spill Number/Closed Date 9809062 / 1998-10-21
Site ID 325643
Spill Date 1998-10-20

348
East
1/4-1/2
0.328 mi.
1730 ft.

Relative:
Lower

107 WEST 38TH REALTY TTF **NY LTANKS** **S111063905**
3328 NORTHERN BLVD **N/A**
QUEENS, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 1103545 / 2011-10-12
Site ID 451112
Spill Date 2011-06-29

349
WNW
1/4-1/2
0.348 mi.
1835 ft.

Relative: Lower

MANHOLE 14413
QUEENS PLAZA NORTH
QUEENS, NY

NY LTANKS | **S104950693**
NY Spills | **N/A**

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0100062 / 2003-06-16
Site ID 63771
Spill Date 2001-04-03

NY Spills
Spill Number/Closed Date 0403163 / 2004-09-23
Site ID 195222
Spill Date 2004-06-22

AQ350
SW
1/4-1/2
0.348 mi.
1839 ft.

Relative: Lower

PURVES STREET DEVELOPMENT
44-18 PURVES STREET AND 27-21 44TH DRIVE
LONG ISLAND CITY, NY 11101

NY INST CONTROL | **S116550039**
NY BROWNFIELDS | **N/A**

Click here for full text details

NY INST CONTROL
Site Code 493090

NY BROWNFIELDS
Site Code 493090

AQ351
SW
1/4-1/2
0.348 mi.
1839 ft.

Relative: Lower

PURVES STREET DEVELOPMENT
44-18 PURVES STREET AND 27-21 44TH DRIVE
LONG ISLAND CITY, NY 11101

NY ENG CONTROLS | **S118372412**
N/A

Click here for full text details

NY ENG CONTROLS
Site Code 493090

AR352
NE
1/4-1/2
0.364 mi.
1924 ft.

Relative: Higher

31/32 LIC LLC
37-29 31ST STREET
QUEENS, NY 11101

NY BROWNFIELDS | **S118457875**
N/A

Click here for full text details

NY BROWNFIELDS
Site Code 520356

AR353
NE
1/4-1/2
0.364 mi.
1924 ft.

Relative:
Higher

31/32 LIC LLC - OFF-SITE
37-29 31ST STREET
QUEENS, NY 11101

NY BROWNFIELDS **S121933768**
N/A

Click here for full text details

NY BROWNFIELDS
Site Code 534977

AS354
SSW
1/4-1/2
0.365 mi.
1925 ft.

Relative:
Lower

44-30 PURVES STREET
44-30 PURVES STREET
LONG ISLAND CITY, NY 11101

NY ENG CONTROLS **S118372411**
N/A

Click here for full text details

NY ENG CONTROLS
Site Code 492842

AS355
SSW
1/4-1/2
0.365 mi.
1925 ft.

Relative:
Lower

44-30 PURVES STREET
44-30 PURVES STREET
LONG ISLAND CITY, NY 11101

NY INST CONTROL **S116550037**
NY BROWNFIELDS **N/A**

Click here for full text details

NY INST CONTROL
Site Code 492842

NY BROWNFIELDS
Site Code 492842

356
NNW
1/4-1/2
0.367 mi.
1937 ft.

Relative:
Lower

39-15 21ST STREET
39-15 21ST STREET
LONG ISLAND CITY, NY

NY LTANKS **S100781937**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9308729 / 2003-03-14
Site ID 149681
Spill Date 1993-10-19

AT357
SSE
1/4-1/2
0.369 mi.
1949 ft.

Relative:
Higher

QUEENS BLVD PETROLEUM, LLC
31-05 QUEENS BOULEVARD
LONG ISLAND CITY, NY 11101

NY LTANKS **U004062912**
NY UST **N/A**
NY AST
NY Spills

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0612273 / 2007-02-08
Site ID 377088

QUEENS BLVD PETROLEUM, LLC (Continued) **U004062912**

Spill Date 2007-02-08

NY AST
Facility Id 2-145688

NY Spills
Spill Number/Closed Date 0601451 / 2007-01-04
Spill Number/Closed Date 0601907 / 2008-10-24
Spill Number/Closed Date 0513247 / 2008-10-24
Site ID 363688
Site ID 364262
Site ID 359705
Spill Date 2006-05-09
Spill Date 2006-05-22
Spill Date 2006-02-17

AT358 **GETTY S/S #344 - GETTY PROPERTIES** **NY LTANKS** **S104278677**
SSE **31-05 QUEENS BLVD** **NY Spills** **N/A**
1/4-1/2 **LONG ISLAND CITY, NY**
0.369 mi.
1949 ft.

Relative: Higher

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0009849 / 2007-01-05
Spill Number/Closed Date 9909630 / 2004-12-02
Site ID 298004
Site ID 298006
Spill Date 2000-11-30
Spill Date 1999-11-08

NY Spills
Spill Number/Closed Date 9705058 / 2004-12-02
Spill Number/Closed Date 0807230 / 2008-11-24
Spill Number/Closed Date 0800383 / 2008-07-09
Spill Number/Closed Date 0410119 / 2005-10-18
Spill Number/Closed Date 0902163 / 2009-09-24
Spill Number/Closed Date 1404641 / 2014-07-30
Site ID 298005
Site ID 404569
Site ID 396128
Site ID 335029
Site ID 414198
Site ID 498042
Spill Date 1997-07-28
Spill Date 2008-09-25
Spill Date 2008-04-10
Spill Date 2004-12-11
Spill Date 2009-05-22
Spill Date 2014-07-28

AU359
NNE
1/4-1/2
0.371 mi.
1958 ft.

Relative:
Higher

37-23 CRESCENT AVENUE — **NY LTANKS** — **S102672660**
37-23 CRESCENT AVENUE — **N/A**
LONG ISLAND CITY, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9410285 / 1994-11-02
Site ID 77942
Spill Date 1994-11-02

AV360
ENE
1/4-1/2
0.376 mi.
1983 ft.

Relative:
Lower

PRIVATE HOME — **NY LTANKS** — **S108467629**
3251 38TH STREET — **N/A**
LONG ISLAND CITY, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0612000 / 2007-03-28
Site ID 376761
Spill Date 2007-01-30

AW361
NE
1/4-1/2
0.377 mi.
1989 ft.

Relative:
Higher

37-11 30TH STREET — **NY BROWNFIELDS** — **S121933807**
37-11 30TH STREET AND 30-14 37TH AVENUE — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY BROWNFIELDS
Site Code 567680

AW362
NE
1/4-1/2
0.377 mi.
1989 ft.

Relative:
Higher

SEE FACTOR INDUSTRY — **NY LTANKS** — **S103238355**
37-11 30TH ST — **N/A**
LONG ISLAND CITY, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9801491 / 2004-09-15
Site ID 208588
Spill Date 1998-04-21

363
East
1/4-1/2
0.387 mi.
2041 ft.

Relative:
Lower

AMOCO SERVICE STATION — **NY LTANKS, NY Spills** — **S102142222**
34-17 NORTHERN BLVD — **N/A**
LONG ISLAND CITY, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0400123 / 2004-10-21
Site ID 212091

AMOCO SERVICE STATION (Continued) **S102142222**

Spill Date 2004-04-05

NY Spills
Spill Number/Closed Date 8402855 / 1996-12-19
Site ID 122194
Spill Date 1984-11-14

364
NNE
1/4-1/2
0.395 mi.
2087 ft.

Relative:
Higher

UNDERGROUND LINE **NY LTANKS** **S104514679**
27-10 37TH AVE **NY Spills** **N/A**
LONG ISLAND CITY, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9712733 / 2003-02-19
Site ID 168989
Spill Date 1998-02-13

NY Spills
Spill Number/Closed Date 1111515 / 2012-02-24
Site ID 459415
Spill Date 2011-12-28

AX365
SE
1/4-1/2
0.398 mi.
2099 ft.

Relative:
Lower

32-00 SKILLMAN AVE **NY LTANKS** **S105999143**
32-00 SKILLMAN AVE **N/A**
QUEENS, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0302379 / 2005-07-29
Site ID 72446
Spill Date 2003-06-05

AX366
SE
1/4-1/2
0.398 mi.
2103 ft.

Relative:
Lower

SWINGSTELL, LLC **NY UST** **U000407641**
32-00 SKILLMAN AVENUE **NY AST** **N/A**
LONG ISLAND CITY, NY 11101 **NY BROWNFIELDS**

Click here for full text details

NY AST
Facility Id 2-032891

NY BROWNFIELDS
Site Code 57873

AX367
SE
1/4-1/2
0.398 mi.
2103 ft.

Relative:
Lower

FORMERLY ACCO BRANDS, INC.
32-00 SKILLMAN AVENUE
LONG ISLAND CITY, NY 11101

NY LTANKS
NY VCP
NY Spills

S100494133
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9207976 / 2003-03-06
Site ID 221004
Spill Date 1992-10-09

NY VCP
Site Code 57579

NY Spills
Spill Number/Closed Date 0511334 / 2008-08-11
Site ID 357465
Spill Date 2005-12-29

AY368
ENE
1/4-1/2
0.402 mi.
2123 ft.

Relative:
Higher

MOTOR AND IRON WORKS
37-21 32ND STREET
LONG ISLAND CITY, NY 11120

NY SHWS
NY Spills

S118705940
N/A

Click here for full text details

NY SHWS
Site Code 532999

NY Spills
Spill Number/Closed Date 1603003 / Not Reported
Site ID 529439
Spill Date 2016-06-27

AV369
ENE
1/4-1/2
0.407 mi.
2151 ft.

Relative:
Higher

CLOSED-LACKOF RECENT INFO
37-14 33RD STREET
NEW YORK CITY, NY

NY LTANKS

S100145575
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 8905637 / 2003-03-06
Site ID 221353
Spill Date 1989-09-08

AZ370
North
1/4-1/2
0.417 mi.
2200 ft.

Relative:
Lower

37-24 24TH ST/QUEENS
37-24 24TH STREET
NEW YORK CITY, NY

NY LTANKS **S100167722**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 8905393 / 1992-10-02
Site ID 177843
Spill Date 1989-08-31

AZ371
North
1/4-1/2
0.418 mi.
2209 ft.

Relative:
Lower

JUNG SUN LAUNDRY CORP.
37-10 24TH STREET
LI CITY, NY 11101

NY SHWS **S110246984**
NY DRYCLEANERS **N/A**

Click here for full text details

NY SHWS
Site Code 374812

NY DRYCLEANERS
Facility Id 2-6304-00393

AU372
NNE
1/4-1/2
0.421 mi.
2222 ft.

Relative:
Lower

SPILL NUMBER 0005416
CRESCENT ST/37TH AV
JAMAICA, NY

NY LTANKS **S104782024**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0005416 / 2003-03-04
Site ID 115362
Spill Date 2000-08-06

BA373
NNE
1/4-1/2
0.424 mi.
2238 ft.

Relative:
Lower

PS #112
25-05 37TH AVE
LONG ISLAND CITY, NY

NY LTANKS **S103824906**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9900152 / 2006-01-05
Spill Number/Closed Date 9900153 / 2004-01-15
Spill Number/Closed Date 9301138 / 2005-03-14
Site ID 150420
Site ID 150421
Site ID 150419
Spill Date 1999-04-05
Spill Date 1993-04-23

374
NNW
1/4-1/2
0.424 mi.
2239 ft.

Relative:
Lower

BEST-DDK CLEANERS
38-68 13TH STREET
LONG ISLAND CITY, NY 11101

NY SHWS **S109826034**
N/A

Click here for full text details

NY SHWS
Site Code 439625

BB375
West
1/4-1/2
0.425 mi.
2242 ft.

Relative:
Lower

THE WILLS BUILDING
43-01 21ST STREET
LONG ISLAND CITY, NY 11101

NY ENG CONTROLS **S118372410**
N/A

Click here for full text details

NY ENG CONTROLS
Site Code 490427

BB376
West
1/4-1/2
0.425 mi.
2242 ft.

Relative:
Lower

THE WILLS BUILDING
43-01 21ST STREET
LONG ISLAND CITY, NY 11101

NY SHWS **S113916801**
NY INST CONTROL **N/A**
NY BROWNFIELDS

Click here for full text details

NY SHWS
Site Code 477031

NY INST CONTROL
Site Code 490427

NY BROWNFIELDS
Site Code 490427

AY377
ENE
1/4-1/2
0.428 mi.
2259 ft.

Relative:
Higher

32-10 37TH AV
32-10 37TH AVE
LONG ISLAND CITY, NY

NY LTANKS **S105995592**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0200301 / 2005-06-16
Site ID 147177
Spill Date 2002-04-09

BC378
WNW
1/4-1/2
0.430 mi.
2269 ft.

Relative:
Lower

QUEENSBRIDGE PLANT B
41001 12TH STREET
LONG ISLAND CITY, NY

NY LTANKS **S100146537**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9009185 / 1995-08-16
Spill Number/Closed Date 9305924 / 1995-08-16
Site ID 178671
Site ID 178672
Spill Date 1990-11-21
Spill Date 1993-08-12

BD379
NW
1/4-1/2
0.430 mi.
2273 ft.

Relative:
Lower

QUEENSBRIDGE PLANT B
40001 12TH ST
LONG ISLAND CITY, NY

NY LTANKS **S100493845**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9205290 / 1995-08-16
Site ID 213263
Spill Date 1992-08-07

BD380
NW
1/4-1/2
0.430 mi.
2273 ft.

Relative:
Lower

QUEENSBRIDGE PLANT A
40013 12TH STREET
NEW YORK CITY, NY

NY LTANKS **S100168059**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9008034 / 1995-08-16
Site ID 67975
Spill Date 1990-10-23

BC381
NW
1/4-1/2
0.432 mi.
2281 ft.

Relative:
Lower

41ST AVENUE & 12ST STREET
41ST AVE/12TH STREET
LONG ISLAND CITY, NY

NY LTANKS **S100879201**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9313090 / 2003-03-11
Site ID 223819
Spill Date 1994-02-17

382
ENE
1/4-1/2
0.435 mi.
2299 ft.

Relative:
Lower

37-18 34TH STREET
37-18 34TH STREET
LONG ISLAND CITY, NY

NY LTANKS **S100494705**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9212419 / 1994-03-08
Site ID 238012
Spill Date 1993-02-02

AX383
SE
1/4-1/2
0.441 mi.
2329 ft.

Relative:
Higher

43-41 32ND PLACE
43-41 32ND PLACE
LONG ISLAND CITY, NY

NY LTANKS **S100560351**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9303078 / 1993-06-25
Site ID 307482
Spill Date 1993-06-08

384
SSE
1/4-1/2
0.441 mi.
2329 ft.

Relative:
Lower

32-32 QUEENS BLVD
32-32 QUEENS BLVD
LONG ISLAND CITY, NY

NY LTANKS **U001839268**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9309167 / 1994-07-27
Site ID 205077
Spill Date 1993-10-28

385
SSE
1/4-1/2
0.441 mi.
2330 ft.

Relative:
Lower

LAGUARDIA COMM COLLEGE
31-10 THOMSON AVE
LONG ISLAND CITY, NY

NY LTANKS **S105995066**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0110443 / 2002-01-31
Site ID 89365
Spill Date 2002-01-31

BA386
NNE
1/4-1/2
0.442 mi.
2334 ft.

Relative:
Lower

AROON SUKRANICHANNE — **NY LTANKS** — **S102672819**
36-46 CRESCENT STREET — **N/A**
ASTORIA, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9414758 / 1995-02-09
Site ID 311462
Spill Date 1995-02-08

AY387
ENE
1/4-1/2
0.442 mi.
2336 ft.

Relative:
Higher

32-15 37TH AVE — **NY LTANKS** — **S100494742**
32-15 37TH AVE — **N/A**
LONG ISLAND CITY, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 9212707 / 1993-03-10
Site ID 220254
Spill Date 1993-02-10

BE388
WSW
1/4-1/2
0.448 mi.
2368 ft.

Relative:
Lower

WILSON HANLEY, INC. — **NY SHWS** — **1001362336**
21-11 44TH AVENUE — **NY AST** — **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY SHWS
Site Code 384281

NY AST
Facility Id 2-017663

389
East
1/4-1/2
0.457 mi.
2413 ft.

Relative:
Lower

CLOSED-LACKOF RECENT INFO — **NY LTANKS** — **S100145538**
35-02 NORTHERN BLVD — **N/A**
LONG ISLAND CITY, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 8904880 / 2003-03-05
Site ID 173190
Spill Date 1989-08-16

BE390
WSW
1/4-1/2
0.464 mi.
2449 ft.

Relative:
Lower

QUEENS MEDALLION LEASING
21-03 44TH AVENUE
LONG ISLAND CITY, NY 11101

NY SHWS **S109826178**
NY ENG CONTROLS **N/A**
NY INST CONTROL
NY BROWNFIELDS

Click here for full text details

NY SHWS
Site Code 394315
Site Code 477032

NY ENG CONTROLS
Site Code 487959

NY INST CONTROL
Site Code 487959

NY BROWNFIELDS
Site Code 487959
Site Code 382863

391
North
1/4-1/2
0.464 mi.
2452 ft.

Relative:
Lower

CITY USED AUTO CENTER INC
37-25 21ST STREET
LONG ISLAND CITY, NY 11101

NY SWF/LF **S108145769**
NY Spills **N/A**

Click here for full text details

NY Spills
Spill Number/Closed Date 0230068 / 2007-01-29
Site ID 175236
Spill Date 2003-03-11

392
SW
1/4-1/2
0.469 mi.
2477 ft.

Relative:
Lower

COURT PLAZA
5 COURT SQUARE
LONG ISLAND CITY, NY 11101

NY LTANKS **S110309405**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 1000528 / 2014-10-28
Site ID 431696
Spill Date 2010-04-13

BE393
WSW
1/4-1/2
0.471 mi.
2485 ft.

Relative:
Lower

CONDEA SUPPLY CORP
21-21 44TH RD
LONG ISLAND CITY, NY

NY LTANKS **U003241856**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 0306979 / 2006-06-21

CONDEA SUPPLY CORP (Continued) **U003241856**

Site ID 59951
Spill Date 2003-10-02

394
NNW
1/4-1/2
0.474 mi.
2505 ft.

Relative:
Lower

DOT RELOCATION SITE
38-21 12TH STREET
LONG ISLAND CITY, NY 11101

NY BROWNFIELDS **S122449236**
N/A

Click here for full text details

NY BROWNFIELDS
Site Code 569681

395
WSW
1/4-1/2
0.478 mi.
2522 ft.

Relative:
Lower

21-16 44TH ROAD , LIC
21-16 44TH ROAD
LONG ISLAND CITY, NY 11101

NY ENG CONTROLS **S103560285**
NY INST CONTROL **N/A**
NY VCP
NY Spills

Click here for full text details

NY ENG CONTROLS
Site Code 58239

NY INST CONTROL
Site Code 58239

NY VCP
Site Code 58239

NY Spills
Spill Number/Closed Date 8808385 / 1994-11-14
Site ID 99512
Spill Date 1989-01-20

396
SSE
1/4-1/2
0.493 mi.
2602 ft.

Relative:
Lower

32-32 QUEENS BLVD/SUNOCO
32-32 QUEENS BLVD
NEW YORK CITY, NY

NY LTANKS **S100145562**
N/A

Click here for full text details

NY LTANKS
Spill Number/Closed Date 8905358 / Not Reported
Site ID 310058
Spill Date 1989-08-30

397
East
1/4-1/2
0.493 mi.
2605 ft.

Relative:
Lower

SILVER STAR AUTO RESOURCES LLC
37-14 36TH STREET
LONG ISLAND CITY, NY 11101

Click here for full text details

NY AST
Facility Id 2-349798

NY INST CONTROL
Site Code 490213

NY BROWNFIELDS
Site Code 490213

NY Spills
Spill Number/Closed Date 9708090 / 1998-03-23
Site ID 125958
Spill Date 1997-10-08

NY UST
NY AST
NY INST CONTROL
NY BROWNFIELDS
NY Spills

U000409049
N/A

398
NNW
1/4-1/2
0.494 mi.
2606 ft.

Relative:
Lower

38-21 12TH ST/QUEENS/ CHE
38-21 12TH ST.
NEW YORK CITY, NY

Click here for full text details

NY LTANKS
Spill Number/Closed Date 8706722 / 1994-02-07
Site ID 321182
Spill Date 1987-11-07

NY LTANKS

S100144861
N/A

399
East
1/2-1
0.575 mi.
3034 ft.

Relative:
Lower

STANDARD MOTOR PRODUCTS INC
37-18 NORTHERN BLVD SITE 1
LONG ISLAND CITY, NY 11101

Click here for full text details

RCRA-SQG
EPA Id NYD001315266

NY SHWS
Site Code 58682

NY LTANKS
Spill Number/Closed Date 9509528 / 2004-03-23
Site ID 153383
Spill Date 1995-11-01

RCRA-SQG
NY SHWS
NY LTANKS
NY CBS
NY VCP
NY Spills
NY MANIFEST
PA MANIFEST

1000310304
NYD001315266

STANDARD MOTOR PRODUCTS INC (Continued) **1000310304**

NY CBS
Facility Status Unregulated/Closed
CBS Number 2-000153

NY VCP
Site Code 58683

NY Spills
Spill Number/Closed Date 9006846 / 1990-10-15
Spill Number/Closed Date 9900754 / 2002-06-11
Site ID 153382
Site ID 153384
Spill Date 1990-09-21
Spill Date 1999-04-20

NY MANIFEST
EPA ID NYD001315266

PA MANIFEST
Generator EPA Id NYD001315266

400
NW
1/2-1
0.593 mi.
3130 ft.

Relative:
Lower

NATIONAL RUBBER & BACKING CORP **NY SHWS** **1000259753**
38-31 9TH ST **NY LTANKS** **NYD990690190**
LONG ISLAND CITY, NY 11101 **NY CBS**
NY VCP
RCRA NonGen / NLR

Click here for full text details

NY SHWS
Site Code 58713

NY LTANKS
Spill Number/Closed Date 9602231 / Not Reported
Site ID 127024
Spill Date 1996-03-01

NY CBS
Facility Status Unregulated/Closed
CBS Number 2-000015

NY VCP
Site Code 57620

RCRA NonGen / NLR
EPA Id NYD990690190

BF401
ENE
1/2-1
0.612 mi.
3229 ft.

Relative:
Higher

LEVCO METALS
34-11 36TH STREET
ASTORIA, NY 11106

NY SHWS
NY AST
NY INST CONTROL
NY VCP
NY Spills

U003391190
N/A

Click here for full text details

NY SHWS
Site Code 58675

NY AST
Facility Id 2-334979

NY INST CONTROL
Site Code 57131

NY VCP
Site Code 57131

NY Spills
Spill Number/Closed Date 8607571 / 1987-03-30
Site ID 170332
Spill Date 1987-02-28

BF402
ENE
1/2-1
0.648 mi.
3419 ft.

Relative:
Higher

TEITELBAUM DRY CLEANER
35-45 35TH ST
LONG ISLAND CITY, NY 11106

NY SHWS
NY BROWNFIELDS
RCRA NonGen / NLR
ICIS
US AIRS
FINDS
NY AIRS
RI MANIFEST
NY MANIFEST

1000400106
NYD981132459

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NY SHWS
Site Code 481508

NY BROWNFIELDS
Site Code 487391

RCRA NonGen / NLR
EPA Id NYD981132459

ICIS
FRS ID: 110001594310

US AIRS
EPA plant ID: 110001594310

FINDS

TEITELBAUM DRY CLEANER (Continued) **1000400106**

Registry ID: 110001594310

NY AIRS
DEC Id 2630400397

RI MANIFEST
EPA Id NYD981132459
Manifest Document Number 003785194FLE

NY MANIFEST
EPA ID NYD981132459

403
NW
1/2-1
0.658 mi.
3473 ft.

Relative:
Lower

RAVENSWOOD PCB STORAGE FAC **CORRACTS** **1015757895**
40TH AVE & VERNON BLVD **RCRA-LQG** **NYD003917960**
LONG ISLAND, NY 11101 **PADS**

Click here for full text details

CORRACTS
EPA ID: NYD003917960

RCRA-LQG
EPA Id NYD003917960

PADS
EPAID: NYD003917960

404
NNW
1/2-1
0.666 mi.
3515 ft.

Relative:
Lower

NAVAL SHIPYARD QUEENS **FUDS** **1024899195**
N/A

LONG ISLAND, NY

Click here for full text details

405
SW
1/2-1
0.704 mi.
3717 ft.

Relative:
Lower

ARCH STREET YARDS (LIRR) **NY SHWS** **S111705919**
ARCH STREET AND JACKSON AVENUE **NY VCP** **N/A**
LONG ISLAND CITY, NY 11101

Click here for full text details

NY SHWS
Site Code 571989

NY VCP
Site Code 455970

406
SSE
1/2-1
0.721 mi.
3809 ft.

Relative:
Higher

WHITE SUN CLEANERS
47-38 34TH STREET
LONG ISLAND CITY, NY

NY SHWS **S113917002**
N/A

Click here for full text details

NY SHWS
Site Code 57110

407
SSW
1/2-1
0.725 mi.
3826 ft.

Relative:
Lower

27-10 49TH AVENUE-OER
27-10 49TH AVENUE
LONG ISLAND CITY, NY 11101

NY SHWS **S125896304**
N/A

Click here for full text details

NY SHWS
Site Code 571772

408
NW
1/2-1
0.743 mi.
3923 ft.

Relative:
Lower

RAVENSWOOD GENERATING STATION
38-54 VERNON BLVD.
LONG ISLAND CITY, NY 11101

NY SHWS **S102239646**
NY LTANKS **N/A**
NY MOSF UST
NY CBS
NY MOSF
NY CBS AST
NY VCP
NY MANIFEST
NY SPDES

Click here for full text details

NY SHWS
Site Code 416958

NY LTANKS
Spill Number/Closed Date 9601426 / 1996-05-30
Spill Number/Closed Date 9613378 / 1997-02-13
Site ID 239166
Site ID 239188
Spill Date 1996-04-28
Spill Date 1997-02-12

NY CBS
Facility Status Active
Facility Status Unregulated/Closed
CBS Number 2-000063
CBS Number 2-000366

NY MOSF
Facility Id 2-1960
Facility Id 2-1980
Tank Status Active
Tank Status Unregulated/Closed

NY CBS AST

RAVENSWOOD GENERATING STATION (Continued) **S102239646**

Facility Status IN SERVICE
Facility Status 1
CBS Number 2-000063
CBS Number 2-000366

NY VCP
Site Code 56967

NY MANIFEST
EPA ID NYP000072447
EPA ID NYR000145078

NY SPDES
Permit Number NY0005193
Limit Set Status Flag A

409
NE
1/2-1
0.756 mi.
3992 ft.

Relative:
Higher

34-14 31ST STREET **NY SHWS** **S118256210**
34-14 31ST STREET **N/A**
ASTORIA, NY 11106

Click here for full text details

NY SHWS
Site Code 514253

BG410
ENE
1/2-1
0.760 mi.
4012 ft.

Relative:
Higher

ARMY PICTURIAL CEN **FUDS** **1024899218**
N/A

LONG ISLAND CITY, NY

Click here for full text details

BG411
ENE
1/2-1
0.780 mi.
4118 ft.

Relative:
Higher

FORMER LUFT CO. INC. COSMETICS MANUFACTURER **NY SHWS** **U001831683**
34-12 36TH AVENUE **NY Spills** **N/A**
LONG ISLAND CITY, NY 11106

Click here for full text details

NY SHWS
Site Code 460318

NY Spills
Spill Number/Closed Date 1010245 / 2010-12-31
Site ID 443842
Spill Date 2010-12-31

412
WSW
1/2-1
0.928 mi.
4898 ft.

Relative:
Lower

OCONNER CAPITAL PARTNERS
5-36 46TH ROAD
QUEENS, NY 11101

CORRACTS
RCRA-LQG
RAATS
ICIS

1000426821
NYD001264191

Click here for full text details

CORRACTS
EPA ID: NYD001264191

RCRA-LQG
EPA Id NYD001264191

RAATS
Status 09
Facility ID NYD001264191

ICIS
FRS ID: 110004333043

413
WSW
1/2-1
0.952 mi.
5024 ft.

Relative:
Lower

QUEENS WEST - NORTH
46-00 FIFTH STREET
LONG ISLAND CITY, NY 11101

NY SHWS

S113916833
N/A

Click here for full text details

NY SHWS
Site Code 55923

414
South
1/2-1
0.984 mi.
5197 ft.

Relative:
Lower

ACTIVE STEEL DRUM CO INC
52-30 34TH ST
LONG ISLAND CITY, NY 11101

CORRACTS
RCRA NonGen / NLR
FINDS
ECHO
NY MANIFEST

1000265123
NYD003933355

Click here for full text details

CORRACTS
EPA ID: NYD003933355

RCRA NonGen / NLR
EPA Id NYD003933355

FINDS
Registry ID: 110000616432

ECHO
Registry ID 110000616432

NY MANIFEST
EPA ID NYD003933355

ACTIVE STEEL DRUM CO INC (Continued) **1000265123**

EPA ID NYP000775650

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	02/05/2021	02/09/2021	02/17/2021
NY	AST	Petroleum Bulk Storage	Department of Environmental Conservation	12/17/2020	12/18/2020	03/10/2021
NY	BROWNFIELDS	Brownfields Site List	Department of Environmental Conservation	11/09/2020	11/11/2020	01/27/2021
NY	CBS	Chemical Bulk Storage Site Listing	Department of Environmental Conservation	12/17/2020	12/18/2020	03/10/2021
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	09/30/2020	09/30/2020	12/21/2020
NY	COOLING TOWERS	Registered Cooling Towers	Department of Health	10/07/2020	10/13/2020	01/04/2021
NY	DEL SHWS	Delisted Registry Sites	Department of Environmental Conservation	11/09/2020	11/11/2020	01/27/2021
NY	DRYCLEANERS	Registered Drycleaners	Department of Environmental Conservation	12/02/2020	12/09/2020	12/16/2020
NY	E DESIGNATION	E DESIGNATION SITE LISTING	New York City Department of City Planning	11/19/2020	12/17/2020	03/05/2021
NY	ENG CONTROLS	Registry of Engineering Controls	Department of Environmental Conservation	11/09/2020	11/11/2020	01/27/2021
NY	ENV RES DECL	Environmental Restrictive Declarations	New York City Department of City Planning	11/19/2020	12/17/2020	03/05/2021
NY	ERP	Environmental Restoration Program Listing	Department of Environmental Conservation	11/09/2020	11/11/2020	01/27/2021
NY	Financial Assurance 1	Financial Assurance Information Listing	Department of Environmental Conservation	10/07/2020	10/08/2020	12/30/2020
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	11/09/2020	11/11/2020	01/27/2021
NY	LIENS	Spill Liens Information	Office of the State Comptroller	10/30/2020	10/30/2020	11/02/2020
NY	LTANKS	Spills Information Database	Department of Environmental Conservation	11/09/2020	11/11/2020	01/19/2021
NY	MOSF	Major Oil Storage Facility Site Listing	Department of Environmental Conservation	12/17/2020	12/18/2020	03/10/2021
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	04/29/2020	07/10/2020
NY	NYC LEAD	Lead-based Paint Testing Results	New York City Department of Education	12/01/2019	10/26/2020	01/14/2021
NY	NYC LEAD 2	Recent Lead Paint Violations	New York City Department of Housing Preservat	10/26/2020	10/27/2020	01/14/2021
NY	PFAS	PFAS Contamination Site Location Listing	Department of Environmental Conservation	01/16/2019	05/08/2019	06/24/2019
NY	RES DECL	Restrictive Declarations Listing	NYC Department of City Planning	11/19/2020	12/14/2020	03/04/2021
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	11/09/2020	11/11/2020	01/27/2021
NY	SPDES	State Pollutant Discharge Elimination System	Department of Environmental Conservation	02/11/2021	02/18/2021	03/12/2021
NY	SPILLS	Spills Information Database	Department of Environmental Conservation	11/09/2020	11/11/2020	01/19/2021
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	09/30/2020	10/30/2020	12/31/2020
NY	SWRCY	Registered Recycling Facility List	Department of Environmental Conservation	09/30/2020	10/30/2020	12/31/2020
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	12/17/2020	12/18/2020	03/10/2021
NY	UIC	Underground Injection Control Wells	Department of Environmental Conservation	11/29/2020	12/01/2020	02/16/2021
NY	UST	Petroleum Bulk Storage (PBS) Database	Department of Environmental Conservation	12/17/2020	12/18/2020	03/10/2021
NY	VAPOR REOPENED	Vapor Intrusion Legacy Site List	Department of Environmenal Conservation	12/01/2018	02/13/2019	06/13/2019
NY	VCP	Voluntary Cleanup Agreements	Department of Environmental Conservation	11/09/2020	11/11/2020	01/27/2021

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
NY	VCP NYC	Voluntary Cleanup Program Listing NYC	New York City Office of Environmental Protect	01/18/2021	01/20/2021	03/04/2021
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	12/11/2020	12/11/2020	03/02/2021
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2017	06/22/2020	11/20/2020
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2019	12/01/2020	02/09/2021
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	12/31/2020	01/13/2021	03/22/2021
US	CORRACTS	Corrective Action Report	EPA	12/14/2020	12/17/2020	12/22/2020
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	11/03/2020	11/17/2020	02/09/2021
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
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	12/30/2020	01/14/2021	02/09/2021
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	01/02/2021	01/08/2021	03/22/2021
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	12/14/2020	12/15/2020	12/22/2020
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	04/03/2019	04/05/2019	05/14/2019
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	01/29/2021	02/17/2021	03/22/2021
US	FINDS	Facility Index System/Facility Registry System	EPA	11/04/2020	12/01/2020	01/25/2021
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	09/29/2020	11/17/2020	01/25/2021
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/17/2021	02/17/2021	03/22/2021
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	08/08/2017	09/11/2018	09/14/2018
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	12/16/2020	12/17/2020	03/12/2021
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	10/01/2020	12/16/2020	03/12/2021
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	11/12/2020	12/16/2020	03/12/2021
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/02/2020	12/18/2020	03/12/2021
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/07/2020	12/16/2020	03/12/2021
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/08/2020	05/20/2020	08/12/2020
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	09/30/2020	12/22/2020	03/12/2021
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/09/2020	12/16/2020	03/12/2021
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/01/2020	12/16/2020	03/12/2021
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	10/01/2020	12/16/2020	03/12/2021
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	11/12/2020	12/16/2020	03/12/2021
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/02/2020	12/18/2020	03/12/2021
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/07/2020	12/16/2020	03/12/2021

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/08/2020	05/20/2020	08/12/2020
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	09/30/2020	12/22/2020	03/12/2021
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/09/2020	12/16/2020	03/12/2021
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/01/2020	12/16/2020	03/12/2021
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	12/30/2020	01/14/2021	02/09/2021
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	12/30/2020	01/14/2021	02/18/2021
US	LUCIS	Land Use Control Information System	Department of the Navy	02/09/2021	02/11/2021	03/22/2021
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	11/24/2020	11/30/2020	01/25/2021
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/05/2020	08/10/2020	10/08/2020
US	NPL	National Priority List	EPA	12/30/2020	01/14/2021	02/09/2021
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	11/19/2020	01/08/2021	03/22/2021
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	12/30/2020	01/14/2021	03/05/2021
US	Proposed NPL	Proposed National Priority List Sites	EPA	12/30/2020	01/14/2021	02/09/2021
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	12/14/2020	12/17/2020	12/22/2020
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/14/2020	12/17/2020	12/22/2020
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/14/2020	12/17/2020	12/22/2020
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/14/2020	12/17/2020	12/22/2020
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	12/14/2020	12/17/2020	12/22/2020
US	RMP	Risk Management Plans	Environmental Protection Agency	11/02/2020	11/12/2020	01/25/2021
US	ROD	Records Of Decision	EPA	12/30/2020	01/14/2021	02/18/2021
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	12/30/2020	01/14/2021	02/18/2021
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	12/30/2020	01/14/2021	02/18/2021
US	SSTS	Section 7 Tracking Systems	EPA	01/20/2021	01/21/2021	03/22/2021
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	12/11/2020	12/11/2020	03/02/2021
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	12/07/2020	12/09/2020	03/02/2021
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	10/28/2020	11/05/2020	11/18/2020
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	12/14/2020	12/17/2020	03/12/2021
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	12/07/2020	12/09/2020	03/02/2021
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	10/28/2020	11/05/2020	11/18/2020

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	11/03/2020	11/23/2020	01/25/2021
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	12/31/2018	07/02/2020	09/17/2020
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	08/10/2020	10/20/2020	11/02/2020
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	12/31/2019	02/11/2021	02/24/2021
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

ICF2101
2812 41ST AVENUE
LONG ISLAND CITY, NY 11101

TARGET PROPERTY COORDINATES

Latitude (North):	40.751027 - 40˚ 45' 3.70''
Longitude (West):	73.937342 - 73˚ 56' 14.43''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	589709.8
UTM Y (Meters):	4511451.0
Elevation:	33 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5940599 CENTRAL PARK, NY
Version Date:	2013
South Map:	5940597 BROOKLYN, NY
Version Date:	2013

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).

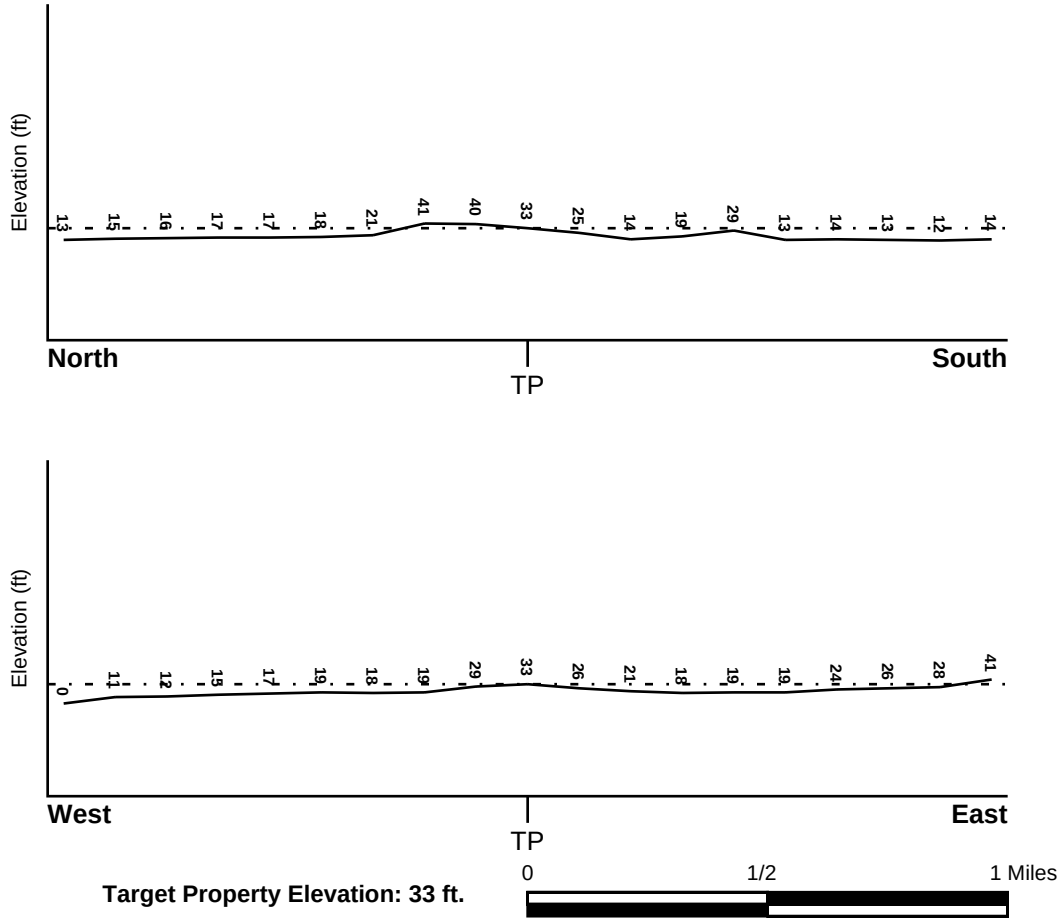
TOPOGRAPHIC INFORMATION

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 SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 33 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
3604970093F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
3604970089F	FEMA FIRM Flood data
3604970202F	FEMA FIRM Flood data
3604970206F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
CENTRAL PARK	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
Status:	Not found

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
1	USGS40000831487	0 - 1/8 Mile NW
2	USGS40000831434	1/8 - 1/4 Mile ESE
3	USGS40000831512	1/8 - 1/4 Mile NE
4	USGS40000831480	1/4 - 1/2 Mile East
5	USGS40000831605	1/4 - 1/2 Mile NE
6	USGS40000831511	1/4 - 1/2 Mile ENE
7	USGS40000831691	1/4 - 1/2 Mile NNW
8	USGS40000831481	1/4 - 1/2 Mile West
9	USGS40000831198	1/4 - 1/2 Mile South
10	USGS40000831273	1/4 - 1/2 Mile SW
11	USGS40000831755	1/4 - 1/2 Mile North
12	USGS40000831211	1/4 - 1/2 Mile SSE
13	USGS40000831669	1/4 - 1/2 Mile NE
14	USGS40000831272	1/2 - 1 Mile SE
15	USGS40000831744	1/2 - 1 Mile NW
16	USGS40000831118	1/2 - 1 Mile SSE
17	USGS40000831282	1/2 - 1 Mile WSW
18	USGS40000831141	1/2 - 1 Mile SW
19	USGS40000831882	1/2 - 1 Mile NNW
A20	USGS40000831319	1/2 - 1 Mile ESE
A21	USGS40000831350	1/2 - 1 Mile ESE
B22	USGS40000831271	1/2 - 1 Mile ESE
23	USGS40000831796	1/2 - 1 Mile NW
24	USGS40000831496	1/2 - 1 Mile East
B25	USGS40000831231	1/2 - 1 Mile ESE
C26	USGS40000830996	1/2 - 1 Mile South
27	USGS40000831012	1/2 - 1 Mile SSE
C28	USGS40000830959	1/2 - 1 Mile South
29	USGS40000831165	1/2 - 1 Mile SE
30	USGS40000831488	1/2 - 1 Mile West
31	USGS40000831093	1/2 - 1 Mile SE
32	USGS40000831640	1/2 - 1 Mile ENE
33	USGS40000831585	1/2 - 1 Mile ENE
34	USGS40000831006	1/2 - 1 Mile SW
35	USGS40000831119	1/2 - 1 Mile SW
36	USGS40000830981	1/2 - 1 Mile SE
37	USGS40000831152	1/2 - 1 Mile ESE
38	USGS40000831447	1/2 - 1 Mile East
39	USGS40000832005	1/2 - 1 Mile NNE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

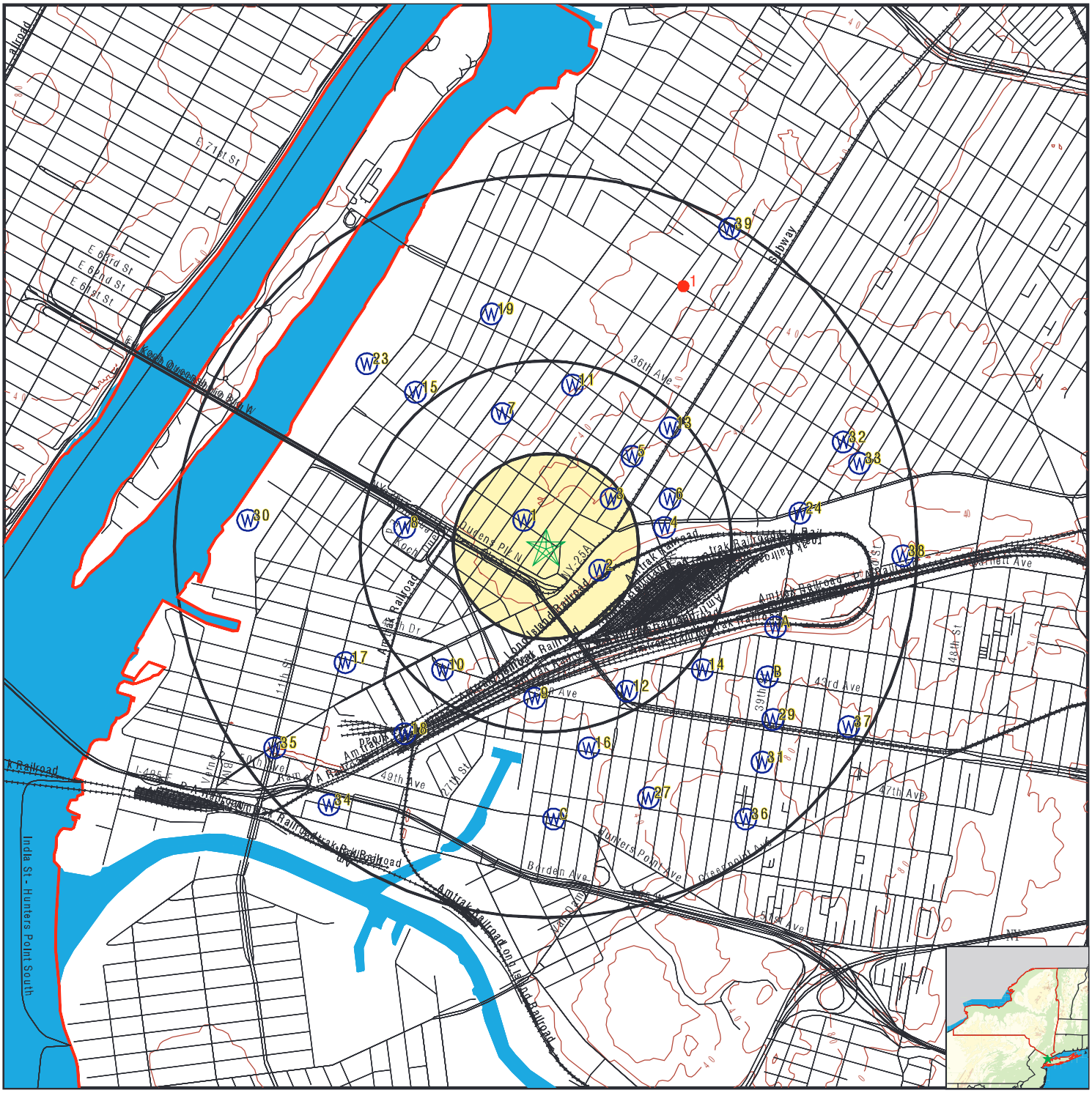
MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	NYOG10000040279	1/2 - 1 Mile NNE

PHYSICAL SETTING SOURCE MAP - 6422752.2s



- 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:	ICF2101	CLIENT:	P.W. Grosser Consulting
ADDRESS:	2812 41st Avenue Long Island City NY 11101	CONTACT:	Ryan Morley
		INQUIRY #:	6422752.2s
LAT/LONG:	40.751027 / 73.937342	DATE:	March 26, 2021 8:19 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 **NNE** **1/2 - 1 Mile**	Click here for full text details	**OIL_GAS**	**NYOG10000040279**
1 **NW** **0 - 1/8 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000831487**
2 **ESE** **1/8 - 1/4 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000831434**
3 **NE** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000831512**
4 **East** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000831480**
5 **NE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000831605**
6 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000831511**
7 **NNW** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000831691**
8 **West** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000831481**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
9 **South** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000831198**
10 **SW** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000831273**
11 **North** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000831755**
12 **SSE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000831211**
13 **NE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000831669**
14 **SE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000831272**
15 **NW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000831744**
16 **SSE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000831118**
17 **WSW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000831282**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
18 **SW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000831141**
19 **NNW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000831882**
A20 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000831319**
A21 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000831350**
B22 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000831271**
23 **NW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000831796**
24 **East** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000831496**
B25 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000831231**
C26 **South** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000830996**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
27 **SSE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000831012**
C28 **South** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000830959**
29 **SE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000831165**
30 **West** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000831488**
31 **SE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000831093**
32 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000831640**
33 **ENE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000831585**
34 **SW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000831006**
35 **SW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40000831119**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
36 **SE** **1/2 - 1 Mile** **Higher**	**Click here for full text details**	**FED USGS**	**USGS40000830981**
37 **ESE** **1/2 - 1 Mile** **Higher**	**Click here for full text details**	**FED USGS**	**USGS40000831152**
38 **East** **1/2 - 1 Mile** **Higher**	**Click here for full text details**	**FED USGS**	**USGS40000831447**
39 **NNE** **1/2 - 1 Mile** **Higher**	**Click here for full text details**	**FED USGS**	**USGS40000832005**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for QUEENS 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 QUEENS COUNTY, NY

Number of sites tested: 81

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.620 pCi/L	97%	0%	3%
Basement	0.970 pCi/L	93%	6%	1%

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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APPENDIX H
VAPOR ENCROACHMENT SCREENING

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
LONG ISLAND • MANHATTAN • SARATOGA SPRINGS • SYRACUSE • SEATTLE • SHELTON

ICF2101
2812 41st Avenue
Long Island City, NY 11101

Inquiry Number: 6422752.2s
April 9, 2021

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Primary Map	**2**
Secondary Map	**3**
Map Findings	**4**
Record Sources and Currency	**GR-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 EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Federal NPL site list	1.0	0	0	0
Federal Delisted NPL site list	1.0	0	0	0
Federal CERCLIS list	0.5	0	0	0
Federal CERCLIS NFRAP site list	0.5	0	0	0
Federal RCRA CORRACTS facilities list	1.0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list	0.5	0	0	0
Federal RCRA generators list	0.25	0	0	1
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	property	0	-	-
State- and tribal - equivalent NPL	not searched	-	-	-
State- and tribal - equivalent CERCLIS	1.0	0	0	1
State and tribal landfill and/or solid waste disposal site lists	0.5	0	0	0
State and tribal leaking storage tank lists	0.5	0	0	4
State and tribal registered storage tank lists	0.5	0	0	0
State and tribal institutional control / engineering control registries	0.5	0	0	2
State and tribal voluntary cleanup sites	0.5	0	0	1
State and tribal Brownfields sites	0.5	0	0	3

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	1.0	0	0	0
Local Lists of Registered Storage Tanks	0.25	0	0	0
Local Land Records	property	0	-	-
Records of Emergency Release Reports	0.125	0	0	1
Other Ascertainable Records	1.0	1	1	3

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	1	1	0
Exclusive Recovered Govt. Archives	property	0	-	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	1	1	0
Exclusive Recovered Govt. Archives	property	0	-	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

ICF2101
2812 41ST AVENUE
LONG ISLAND CITY, NY 11101

COORDINATES

Latitude (North):	40.751027 - 40° 45′ 3.6941528″
Longitude (West):	73.937342 - 73° 56′ 14.423218″
Elevation:	33 ft. above sea level

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records.

Site	Database(s)
NEW YORK/MAX JDJ CLEANERS(MOVED FR 2620601426) 2812 41ST AVENUE LI CITY, NY 11101	DRYCLEANERS Facility Id: 2-6304-01605
MAX CLEANERS INC 2812 41ST AVE LONG ISLAND CITY, NY 11101	EDR Hist Cleaner

EXECUTIVE SUMMARY

SEARCH RESULTS

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
KAL REALTY LTANKS: LTANKS	29-24 40TH AVE	1/10 - 1/3 ENE	◆ I5	11
27-09 40TH AVENUE VCP: VCP NY Spills: SPILLS	27-09 40TH AVENUE	1/10 - 1/3 NNE	▲ O7	13
CLOSED-LACKOF RECENT INFO LTANKS: LTANKS	29024 40TH AVENUE	1/10 - 1/3 ENE	◆ I8	14
CLOSED-LACKOF RECENT INFO LTANKS: LTANKS	39038 29TH ST.	1/10 - 1/3 NE	▲ R9	16
CHURCH LTANKS: LTANKS	39-38 29TH STREET	1/10 - 1/3 NE	▲ R10	18
FORMER UNION WIRE DIE CORP. - OFF-SITE BROWNFIELDS: BROWNFIELDS	39-40 30TH STREET	1/10 - 1/3 ENE	◆ S11	21
FORMER UNION WIRE DIE CORP. INST CONTROL: INST CONTROL ENG CONTROLS: ENG CONTROLS BROWNFIELDS: BROWNFIELDS	39-40 30TH STREET	1/10 - 1/3 ENE	◆ S12	25
FRESH CLEANERS & LAUNDRY INC RCRA-SQG: RCRA-SQG SHWS: SHWS INST CONTROL: INST CONTROL ENG CONTROLS: ENG CONTROLS BROWNFIELDS: BROWNFIELDS	39-26 30TH ST	1/10 - 1/3 NE	◆ U15	70

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
NEW YORK/MAX JDJ CLEANERS(MOVED FR 2620601426) DRYCLEANERS: DRYCLEANERS	2812 41ST AVENUE	Property	▲ A1	9
LOT 20,TAXBLOCK 417 E DESIGNATION: E DESIGNATION	28-12 41 AVENUE	<1/10 NNW	◆ A3	10
WORLD CLASS GARMENT CARE CORP. DRYCLEANERS: DRYCLEANERS	27-09 40TH AVENUE	1/10 - 1/3 NNE	▲ O6	12
27-09 40TH AVENUE	27-09 40TH AVENUE	1/10 - 1/3 NNE	▲ O7	13

EXECUTIVE SUMMARY

Name	Address	Dist/Dir	Map ID	Page
VCP: VCP NY Spills: SPILLS				
CITY WIDE CLEANERS DRYCLEANERS: DRYCLEANERS	39-28 30TH STREET	1/10 - 1/3 NE	◆ U13	50
QUEENS BORO CLEANERS AIRS: AIRS DRYCLEANERS: DRYCLEANERS	39-26 30TH ST	1/10 - 1/3 NE	◆ U14	51

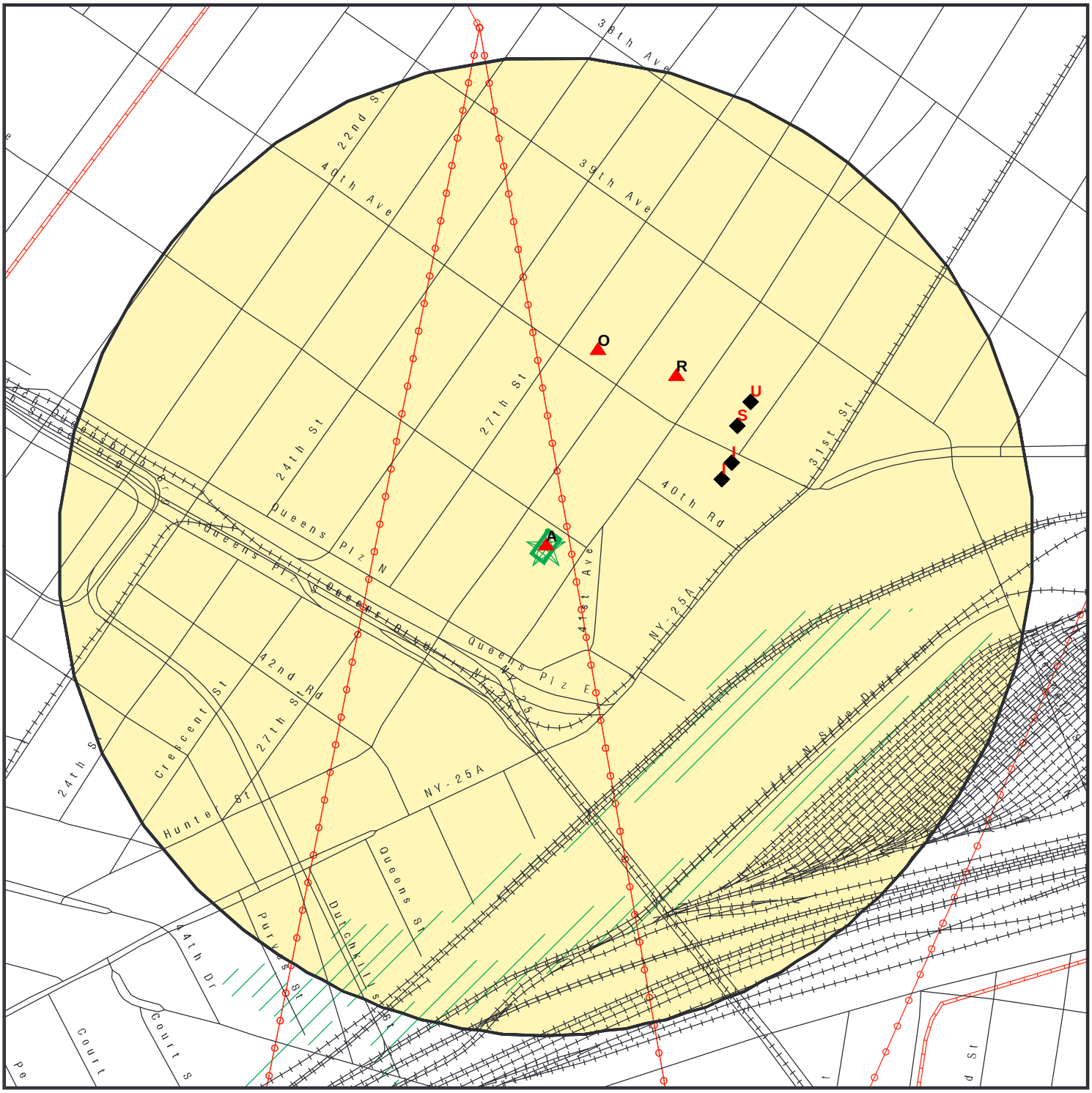
EDR HIGH RISK HISTORICAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
MAX CLEANERS INC EDR Hist Cleaner: EDR Hist Cleaner	2812 41ST AVE	Property	▲ A2	9
ANCO TRANSMISSIONS CORP EDR Hist Auto: EDR Hist Auto	2810 41ST AVE	<1/10 NNE	▲ A4	10

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

PRIMARY MAP - 6422752.2S



0 300 1/3 Miles

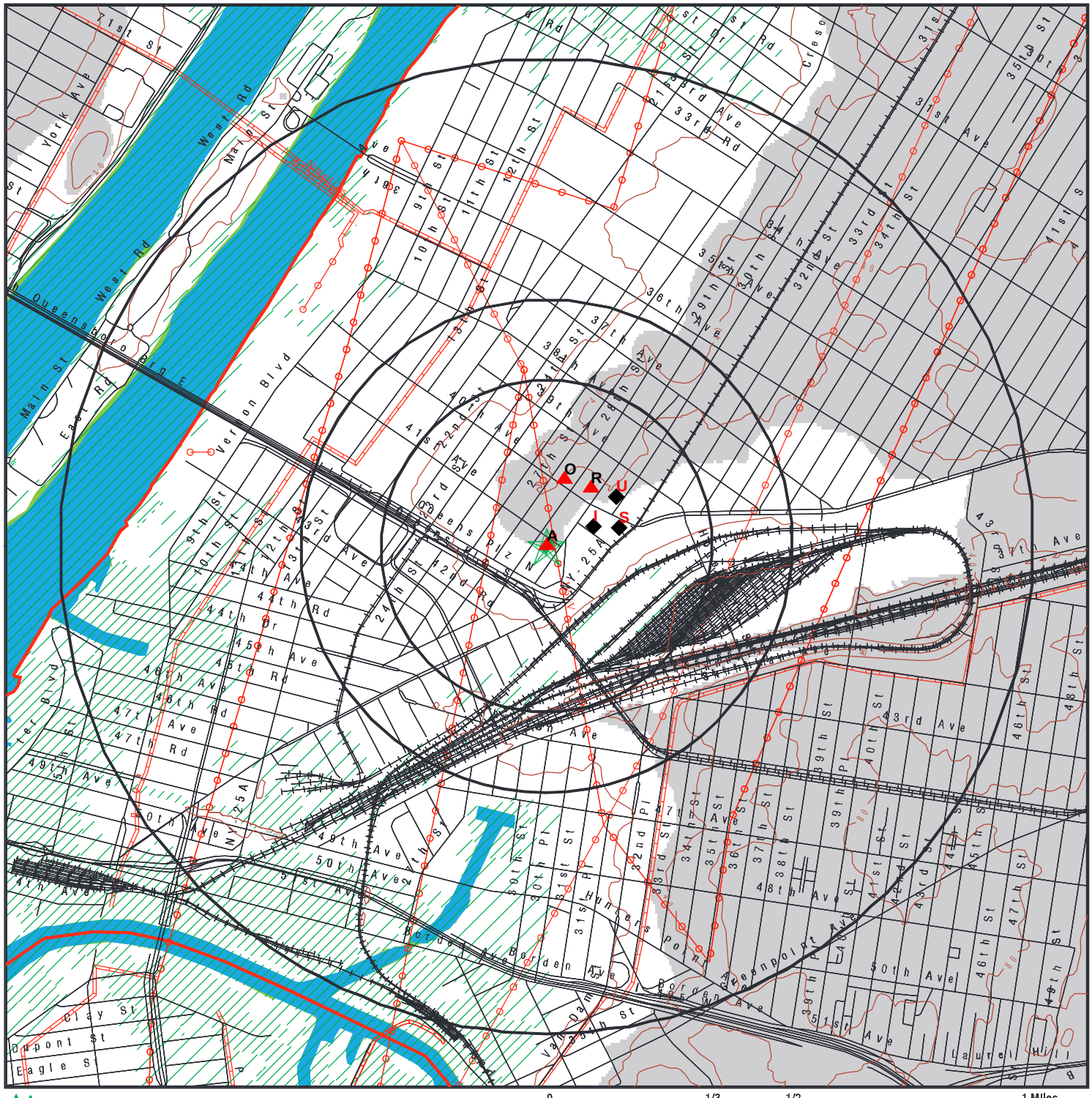
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard

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:	ICF2101	CLIENT:	P.W. Grosser Consulting
ADDRESS:	2812 41st Avenue Long Island City NY 11101	CONTACT:	Ryan Morley
		INQUIRY #:	6422752.2s
LAT/LONG:	40.751027 / 73.937342	DATE:	March 26, 2021 8:18 am

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SECONDARY MAP - 6422752.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Upgradient Area

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: ICF2101	CLIENT: P.W. Grosser Consulting
ADDRESS: 2812 41st Avenue Long Island City NY 11101	CONTACT: Ryan Morley INQUIRY #: 6422752.2s
LAT/LONG: 40.751027 / 73.937342	DATE: March 26, 2021 8:17 am

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MAP FINDINGS

LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**		EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range (Distance feet / miles) Relative Elevation Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:
Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

NEW YORK/MAX JDJ CLEANERS(MOVED FR 2620601426) 2812 41ST AVENUE, LI CITY, NY, 11101		S110247248
▲ A1	Target Property 33 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

DRYCLEANERS: Other Ascertainable Records

Name:	NEW YORK/MAX JDJ CLEANERS(MOVED FR 2620601426)
Address:	2812 41ST AVENUE
City,State,Zip:	LI CITY, NY 11101
Facility ID:	2-6304-01605
Phone Number:	718-784-4601
Region:	Not Reported
Registration Effective Date:	2/20/2008
Inspection Date:	12NOV20
Install Date:	07/12
Expiration Date:	Not Reported
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Y
Alternate Solvent:	Not Reported
Current Business:	Not Reported

MAX CLEANERS INC 2812 41ST AVE, LONG ISLAND CITY, NY, 11101		1018695385
▲ A2	Target Property 33 ft. Above Sea Level	EDR Exclusive Records

Worksheet:

MAX CLEANERS INC, 2812 41ST AVE, LONG ISLAND CITY, NY 11101 (Continued)

EDR Hist Cleaner: EDR Exclusive Records

Year:	Name: / Type:
2007:	MAX CLEANERS INC / Laundry And Drycleaner Agents

LOT 20,TAXBLOCK 417 28-12 41 AVENUE, QUEENS, NY, 11101			S108469539
◆ A3	NNW <1/10	(0 ft. / 0 mi.)	Other Ascertainable Records
	1 ft. Lower Elevation	32 ft. Above Sea Level	

Worksheet:

E DESIGNATION: Other Ascertainable Records

Name:	LOT 20,TAXBLOCK 417
Address:	28-12 41 AVENUE
City,State,Zip:	QUEENS, NY 11101
Tax Lot(s):	20
Tax Block:	417
Borough Code:	QN
E-No:	E-104
Effective Date:	7/26/2001
Satisfaction Date:	Not Reported
Ceqr Number:	00DCP055Q
Ulurp Number:	000406(A)ZMQ
Zoning Map No:	8d, 9b
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Lot Remediation Date:	Not Reported

ANCO TRANSMISSIONS CORP 2810 41ST AVE, LONG ISLAND CITY, NY, 11101			1020942869
▲ A4	NNE <1/10	(9 ft. / 0.002 mi.)	EDR Exclusive Records
	1 ft. Higher Elevation	34 ft. Above Sea Level	

Worksheet:

EDR Hist Auto: EDR Exclusive Records

Year:	Name: / Type:
1991:	PERFECT AUTO REPAIRS INC / General Automotive Repair Shops
1992:	PERFECT AUTO REPAIRS INC / General Automotive Repair Shops
1992:	ANCO TRANSMISSIONS CORP / Automotive Transmission Repair Shops
1993:	ANCO TRANSMISSIONS CORP / Automotive Transmission Repair Shops
1993:	PERFECT AUTO REPAIRS INC / General Automotive Repair Shops
1994:	ANCO TRANSMISSIONS CORP / Automotive Transmission Repair Shops
1995:	ANCO TRANSMISSIONS CORP / Automotive Transmission Repair Shops
1996:	ANCO TRANSMISSIONS CORP / Automotive Transmission Repair Shops

ANCO TRANSMISSIONS CORP, 2810 41ST AVE, LONG ISLAND CITY, NY 11101 (Continued)

1998:	REDLINE AUTO REPAIR INC / General Automotive Repair Shops
1999:	REDLINE AUTO REPAIR INC / General Automotive Repair Shops
2001:	RED LINE AUTO REPAIR INC / General Automotive Repair Shops
2002:	RED LINE AUTO REPAIR INC / General Automotive Repair Shops
2003:	RED LINE AUTO REPAIR INC / General Automotive Repair Shops
2004:	RED LINE AUTO REPAIR INC / General Automotive Repair Shops

KAL REALTY 29-24 40TH AVE, LONG ISLAND CITY, NY,		S103478273	
◆ I5	ENE 1/10 - 1/3	(639 ft. / 0.121 mi.)	State and tribal leaking storage tank lists
	7 ft. Lower Elevation	26 ft. Above Sea Level	

Worksheet:

LTANKS: State and tribal leaking storage tank lists

Name:	KAL REALTY
Address:	29-24 40TH AVE
City,State,Zip:	LONG ISLAND CITY, NY
Spill Number/Closed Date:	9806658 / 2005-06-15
Facility ID:	9806658
Site ID:	172099
Spill Date:	1998-08-28
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	B3
Cleanup Ceased:	Not Reported
SWIS:	4101
Investigator:	GWHEITZM
Referred To:	Not Reported
Reported to Dept:	1998-08-31
CID:	211
Water Affected:	Not Reported
Spill Notifier:	Tank Tester
Last Inspection:	Not Reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1998-08-31
Spill Record Last Update:	2005-06-15
Spiller Name:	CLIFF WENGLEN
Spiller Company:	KAL REALTY
Spiller Address:	29-24 40TH AV
Spiller County:	001
Spiller Contact:	CLIFF WENGLEN
Spiller Phone:	(718) 784-2842
Spiller Extention:	Not Reported
DEC Region:	2

KAL REALTY, 29-24 40TH AVE, LONG ISLAND CITY, NY (Continued)

DER Facility ID:	144848
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was M TIBBE NO PREVIOUS SPILL REPORT 6/15/05 Heitzman: See PBS #2-23865. 3000-gallon #2 fuel tank closed January 1999, and replaced with 1500-gallon above ground, suction piped #2 fuel tank. Spill closed."
Remarks:	"TANK PREVIOUSLY TESTED AND FAILED - ON RETEST FAILED AGAIN"

All TTF:

Facility ID:	9806658
Spill Number:	9806658
Spill Tank Test:	1546206
Site ID:	172099
Tank Number:	1
Tank Size:	0
Material:	0001
EPA UST:	Not Reported
UST:	Not Reported
Cause:	Not Reported
Source:	Not Reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not Reported
Modified By:	Spills
Last Modified Date:	Not Reported

All Materials:

Site ID:	172099
Operable Unit ID:	1067880
Operable Unit:	01
Material ID:	317808
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not Reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not Reported

WORLD CLASS GARMENT CARE CORP. 27-09 40TH AVENUE, LI CITY, NY, 11101		S110248342
▲ O6	NNE 1/10 - 1/3 (693 ft. / 0.131 mi.) 7 ft. Higher Elevation 40 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

WORLD CLASS GARMENT CARE CORP., 27-09 40TH AVENUE, LI CITY, NY 11101 (Continued)

DRYCLEANERS: Other Ascertainable Records

Name:	WORLD CLASS GARMENT CARE CORP.
Address:	27-09 40TH AVENUE
City,State,Zip:	LI CITY, NY 11101
Facility ID:	2-6304-01483
Phone Number:	718-786-3867
Region:	Not Reported
Registration Effective Date:	12/10/2003
Inspection Date:	19JAN11
Install Date:	96/16
Expiration Date:	Not Reported
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Y
Alternate Solvent:	Not Reported
Current Business:	Not Reported

27-09 40TH AVENUE
27-09 40TH AVENUE, NEW YORK CITY, NY, 11101 S125316960

▲ O7	NNE 1/10 - 1/3	(693 ft. / 0.131 mi.)	State and tribal voluntary cleanup sites Records of Emergency Release Reports
	7 ft. Higher Elevation	40 ft. Above Sea Level	

Worksheet:

VCP NYC: State and tribal voluntary cleanup sites

Project ID:	18TMP0732Q, 19EHAZ063Q, 20CVCP026Q
Name:	27-09 40TH AVENUE
Address:	27-09 40TH AVENUE
City,State,Zip:	NEW YORK CITY, NY
Borough:	Queens

SPILLS: Records of Emergency Release Reports

Name:	27-09 40TH AVENUE
Address:	27-09 40TH AVENUE
City,State,Zip:	NEW YORK CITY, NY 11101
Spill Number/Closed Date:	1911112 / 2020-03-06
Facility ID:	1911112
Facility Type:	ER
DER Facility ID:	550366
Site ID:	601797
DEC Region:	2
Spill Cause:	Unknown
Spill Class:	A1
SWIS:	4101
Spill Date:	2020-03-03
Investigator:	RECURLEY

27-09 40TH AVENUE, 27-09 40TH AVENUE, NEW YORK CITY, NY 11101 (Continued)

Referred To:	Not Reported
Reported to Dept:	2020-03-03
CID:	Not Reported
Water Affected:	Not Reported
Spill Source:	Commercial/Industrial
Spill Notifier:	DEC
Cleanup Ceased:	Not Reported
Cleanup Meets Std:	True
Last Inspection:	Not Reported
Recommended Penalty:	False
UST Trust:	Not Reported
Remediation Phase:	0
Date Entered In Computer:	2020-03-03
Spill Record Last Update:	2020-03-06
Spiller Name:	Not Reported
Spiller Company:	Not Reported
Spiller Address:	Not Reported
Spiller Company:	Not Reported
Contact Name:	RUTH CURLEY
DEC Memo:	"This spill was generated in error- RJW"
Remarks:	""

All Materials:

Site ID:	601797
Operable Unit ID:	1348910
Operable Unit:	01
Material ID:	2359469
Material Code:	0040B
Material Name:	PCE
Case No.:	Not Reported
Material FA:	Other
Quantity:	Not Reported
Units:	Not Reported
Recovered:	Not Reported
Oxygenate:	Not Reported

CLOSED-LACKOF RECENT INFO
29024 40TH AVENUE, LONG ISLAND CITY, NY, S100144984

◆ I8	ENE 1/10 - 1/3	(697 ft. / 0.132 mi.)	State and tribal leaking storage tank lists
	6 ft. Lower Elevation	27 ft. Above Sea Level	

Worksheet:

LTANKS: State and tribal leaking storage tank lists

Name:	CLOSED-LACKOF RECENT INFO
Address:	29024 40TH AVENUE
City,State,Zip:	LONG ISLAND CITY, NY

CLOSED-LACKOF RECENT INFO, 29024 40TH AVENUE, LONG ISLAND CITY, NY (Continued)

Spill Number/Closed Date:	8709369 / 2003-03-13
Facility ID:	8709369
Site ID:	125139
Spill Date:	1988-02-03
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	C4
Cleanup Ceased:	Not Reported
SWIS:	4101
Investigator:	ADMIN. CLOSED
Referred To:	Not Reported
Reported to Dept:	1988-02-03
CID:	Not Reported
Water Affected:	Not Reported
Spill Notifier:	Tank Tester
Last Inspection:	Not Reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1988-02-10
Spill Record Last Update:	2003-03-13
Spiller Name:	Not Reported
Spiller Company:	KAL REALTY (OWNER)
Spiller Address:	Not Reported
Spiller County:	001
Spiller Contact:	Not Reported
Spiller Phone:	Not Reported
Spiller Extention:	Not Reported
DEC Region:	2
DER Facility ID:	108274
DEC Memo:	""
Remarks:	"CONTACT: CLIFFORD WENGLIM AT KAL REALTY. 3K TANK SYSTEM FAILED PETROTITE/ LEAK RATE = -.673GPH CLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS."

All TTF:

Facility ID:	8709369
Spill Number:	8709369
Spill Tank Test:	1533169
Site ID:	125139
Tank Number:	Not Reported
Tank Size:	0
Material:	0001
EPA UST:	Not Reported
UST:	Not Reported
Cause:	Not Reported
Source:	Not Reported
Test Method:	00

CLOSED-LACKOF RECENT INFO, 29024 40TH AVENUE, LONG ISLAND CITY, NY (Continued)

Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not Reported
Modified By:	Spills
Last Modified Date:	Not Reported

All Materials:

Site ID:	125139
Operable Unit ID:	914629
Operable Unit:	01
Material ID:	464694
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not Reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	G
Recovered:	-1.00
Oxygenate:	Not Reported

CLOSED-LACKOF RECENT INFO 39038 29TH ST., NEW YORK CITY, NY,			S100167437
▲ R9	NE 1/10 - 1/3	(740 ft. / 0.14 mi.)	State and tribal leaking storage tank lists
	4 ft. Higher Elevation	37 ft. Above Sea Level	

Worksheet:

LTANKS: State and tribal leaking storage tank lists

Name:	CLOSED-LACKOF RECENT INFO
Address:	39038 29TH ST.
City,State,Zip:	NEW YORK CITY, NY
Spill Number/Closed Date:	8705823 / 2003-03-04
Facility ID:	8705823
Site ID:	186869
Spill Date:	1987-10-09
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C4
Cleanup Ceased:	Not Reported
SWIS:	4101
Investigator:	ADMIN. CLOSED
Referred To:	Not Reported
Reported to Dept:	1987-10-09
CID:	Not Reported
Water Affected:	Not Reported
Spill Notifier:	Tank Tester
Last Inspection:	Not Reported

CLOSED-LACKOF RECENT INFO, 39038 29TH ST., NEW YORK CITY, NY (Continued)

Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1987-10-15
Spill Record Last Update:	2003-03-14
Spiller Name:	Not Reported
Spiller Company:	ST. PATRICK'S CHURCH
Spiller Address:	39-38 29TH ST.
Spiller County:	001
Spiller Contact:	Not Reported
Spiller Phone:	Not Reported
Spiller Extention:	Not Reported
DEC Region:	2
DER Facility ID:	156182
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was ADMIN.CLOSED 03/04/2003-Closed Due To The Nature / Extent Of The Spill Report"
Remarks:	"4K TANK FAILED TEST WITH HIGH VOLUME LEAK, WILL EXCAVATE, ISOLATE, AND RETEST. CONTACT: FRANK FLORIO (718) 729-6060.CLOSED DUE TO LACK OF ANY RECENT INFO- DOES NOT MEET ANY CLEAN UP REQUIREMENTS."

All TTF:

Facility ID:	8705823
Spill Number:	8705823
Spill Tank Test:	1531886
Site ID:	186869
Tank Number:	Not Reported
Tank Size:	0
Material:	0002
EPA UST:	Not Reported
UST:	Not Reported
Cause:	Not Reported
Source:	Not Reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not Reported
Modified By:	Spills
Last Modified Date:	Not Reported

All Materials:

Site ID:	186869
Operable Unit ID:	909654
Operable Unit:	01
Material ID:	468390
Material Code:	0002A
Material Name:	#4 fuel oil

CLOSED-LACKOF RECENT INFO, 39038 29TH ST., NEW YORK CITY, NY (Continued)

Case No.:	Not Reported
Material FA:	Petroleum
Quantity:	-1.00
Units:	L
Recovered:	.00
Oxygenate:	Not Reported

CHURCH 39-38 29TH STREET, LONG ISLAND CITY, NY,			S106737888
▲ R10	NE 1/10 - 1/3	(745 ft. / 0.141 mi.)	State and tribal leaking storage tank lists
	4 ft. Higher Elevation	37 ft. Above Sea Level	

Worksheet:

LTANKS: State and tribal leaking storage tank lists

Name:	CHURCH
Address:	39-38 29TH STREET
City,State,Zip:	LONG ISLAND CITY, NY
Spill Number/Closed Date:	0411422 / 2006-01-17
Facility ID:	0411422
Site ID:	336615
Spill Date:	2005-01-21
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not Reported
SWIS:	4101
Investigator:	Con Ed Unassigned
Referred To:	Not Reported
Reported to Dept:	2005-01-21
CID:	408
Water Affected:	Not Reported
Spill Notifier:	Responsible Party
Last Inspection:	Not Reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2005-01-21
Spill Record Last Update:	2006-01-17
Spiller Name:	PETROLEUM TANK CLEANERS
Spiller Company:	CHURCH
Spiller Address:	39-38 29TH STREET
Spiller County:	001
Spiller Contact:	PETROLEUM TANK CLEANERS
Spiller Phone:	(646) 772-7949
Spiller Extention:	Not Reported

CHURCH, 39-38 29TH STREET, LONG ISLAND CITY, NY (Continued)

DEC Region:	2
DER Facility ID:	271936
DEC Memo:	"need to send ttf ltr 3/28/05 see also spill # 04-11423//closed out two tank test failures at same site, both above product level..MT////////////////////////// 12/19/05 Feroze. Spill is transferred from Ketani to Feroze. 12/27/05. TTf is sent to: ST. Patrick R.C. Church 39-38, 29 Th Street, LIC. NY 11101 Ph:718-729-6060 12/30/05 Owner representative Mr. Parmel Ernest called and told me that they will send DEC the Tank Test result shortly. Tank Test is passed. 01/17/06. Feroze received documents from Mr. Parmel Ernest that they replaced the vent pipe and they system tank test. The system Tank Test passed. Consultation with DEC Steve Sangesland the spill is closed. "
Remarks:	"Above liquid leak. Test method was ez3 locator plus."

All TTF:

Facility ID:	0411422
Spill Number:	0411422
Spill Tank Test:	1548522
Site ID:	336615
Tank Number:	4
Tank Size:	2500
Material:	Not Reported
EPA UST:	Not Reported
UST:	Not Reported
Cause:	Not Reported
Source:	Not Reported
Test Method:	21
Test Method 2:	Horner EZY3/EZY3 Locator Plus
Leak Rate:	.00
Gross Fail:	Not Reported
Modified By:	MXTIPPLE
Last Modified Date:	Not Reported

Facility ID:	0411422
Spill Number:	0411422
Spill Tank Test:	1548732
Site ID:	336615
Tank Number:	1
Tank Size:	4000
Material:	Not Reported
EPA UST:	Not Reported
UST:	Not Reported
Cause:	Not Reported
Source:	Not Reported
Test Method:	21
Test Method 2:	Horner EZY3/EZY3 Locator Plus

CHURCH, 39-38 29TH STREET, LONG ISLAND CITY, NY (Continued)

Leak Rate:	.00
Gross Fail:	Not Reported
Modified By:	MXTIPPLE
Last Modified Date:	Not Reported

All Materials:

Site ID:	336615
Operable Unit ID:	1098635
Operable Unit:	01
Material ID:	578806
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not Reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not Reported

Name:	CHURCH
Address:	39-38 29TH STREET
City,State,Zip:	LONG ISLAND CITY, NY
Spill Number/Closed Date:	0411423 / 2005-03-28
Facility ID:	0411423
Site ID:	336616
Spill Date:	2005-01-21
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not Reported
SWIS:	4101
Investigator:	MXTIPPLE
Referred To:	Not Reported
Reported to Dept:	2005-01-21
CID:	408
Water Affected:	Not Reported
Spill Notifier:	Affected Persons
Last Inspection:	Not Reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2005-01-21
Spill Record Last Update:	2005-03-28
Spiller Name:	PETROLIUM TANK CLEANERS
Spiller Company:	CHURCH
Spiller Address:	39-38 29TH STREET
Spiller County:	001
Spiller Contact:	PETROLIUM TANK CLEANERS

CHURCH, 39-38 29TH STREET, LONG ISLAND CITY, NY (Continued)

Spiller Phone:	(718) 624-4842
Spiller Extention:	Not Reported
DEC Region:	2
DER Facility ID:	271936
DEC Memo:	"need to send a ttf ltr 3/28/05 this spill 3 closed and referred to spill # 0411422//two tank test failures inconclusive/above product level//dry leaks...MT//////////////////////////////////"
Remarks:	"Test method was ez 3 locator plus. Inconclusive failure."

All TTF:

Facility ID:	0411423
Spill Number:	0411423
Spill Tank Test:	1548523
Site ID:	336616
Tank Number:	1
Tank Size:	4000
Material:	0001
EPA UST:	Not Reported
UST:	Not Reported
Cause:	Not Reported
Source:	Not Reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not Reported
Modified By:	Watchdog
Last Modified Date:	Not Reported

All Materials:

Site ID:	336616
Operable Unit ID:	1098636
Operable Unit:	01
Material ID:	578807
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not Reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not Reported

FORMER UNION WIRE DIE CORP. - OFF-SITE 39-40 30TH STREET, LONG ISLAND CITY, NY, 11101			S118372391
◆ S11	ENE 1/10 - 1/3	(780 ft. / 0.148 mi.)	State and tribal Brownfields sites
	4 ft. Lower Elevation	29 ft. Above Sea Level	

MAP FINDINGS

Worksheet:

BROWNFIELDS: State and tribal Brownfields sites

Name:	FORMER UNION WIRE DIE CORP. - OFF-SITE
Address:	39-40 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Program:	BCP
Site Code:	517267
Acres:	Not Reported
HW Code:	C241163A
SWIS:	4101
Town:	New York City
Record Added Date:	11/23/2015
Record Updated Date:	06/28/2017
Update By:	MJKOMORO
Site Description:	Location: This is an off-site investigation of the area downgradient of the Former Union Wire Site, Site Number C241163, which located at the corner of 30th Street and 40th Ave, in Long Island City, an urban area. Site Features: The investigation area encompasses sidewalks along 29th Street from 39th Ave to 40th Road, along 30th Street from 39th Avenue to approximately 40th Ave, and along 40th Ave to 31st Street. Current Zoning and Land Use: This section of Long Island City is zoned Special Purpose District which allows mixed residential and commercial use. The specific designation for the site is M1-3/R7X. Buildings within the city block are primarily commercial. There are residential units including several three-story apt buildings along 29th Street. The downgradient block also contains a limited number of residential buildings, parking, self-storage, hotel and auto repair businesses. Past Use of the Site: This area of Long Island City has historically included mixed residential and light manufacturing. Formerly the area included a printing operation, commercial laundry and drycleaner, wire die manufacturer, gas station, warehouse operations, and churches occupied the site. Geology and Hydrogeology: Subsurface soils at the site consist of a mixture of a silty non-native fill to a depth ranging from 0 to 6 feet below grade (fbg). The fill is followed by intermixed layers of sand and silty-sand. A clay layer was encountered in one location at approximately 32-38 feet. Bedrock was not encountered although reference material indicates bedrock is glacial and alluvial deposits from the Cenozoic age. The elevation of the site is 28 feet above the National Geodetic Vertical Datum. The area topography gradually

FORMER UNION WIRE DIE CORP. - OFF-SITE, 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

slopes to the southeast. Groundwater at the site is present under water table conditions at a depth of approximately 20 feet below grade. Investigation at the site indicates groundwater flow to the south-southeast.

Env Problem:

Nature and Extent of Contamination: Based on investigations conducted to date, the primary contaminant is TCE. The off-site investigation focused on groundwater and soil vapor. Soil: Based on soil analysis from nearby off-site wells, off-site soil contamination was not expected. Groundwater: On-site, TCE was identified in groundwater with a maximum concentration of 280 ppb (parts per billion). Percholorethylene (PCE), a chemical commonly used at drycleaners, is present in groundwater (up to 730 ppb) but is believed to be from an adjacent off-site source. Off-site wells sampled at the downgradient edge of the site indicate low concentrations of TCE (11 ppb in MW6, 3.1 ppb in MW7) and PCE (99 ppb in MW6, 64 ppb in MW7) migrating off-site. In addition, a well, located immediately adjacent to the site and side-gradient, and installed by the Department for an investigation, also contained PCE at 369 ppb and TCE at 272 ppb. Soil Vapor: Eleven soil vapor points were installed as part of the adjacent site's off-site investigation. The highest soil vapor (4400 ug/m3 TCE) was located across 40th Avenue from the site, across from MW-6. During the second set of sampling, the highest levels were also located at SV104, though the level decreased to 1300 ug/m3 TCE. Sub Slab and Indoor Air: Four buildings were sampled for sub-slab and indoor air. One of them was classified as mitigate due to both PCE and TCE in the sub-slab and indoor air. A second structure was classified mitigate or monitor only based on PCE, not TCE.

Health Problem:

People may come into contact with contaminated groundwater or soil if they dig below the surface. Contaminated groundwater off-site is not used for drinking or other purposes and the area is served by a public water supply that obtains its water from a different source that is not affected by this contamination. Volatile organic compounds in the groundwater and soil may move into the soil vapor (air spaces within the soil), which in turn may move into the overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Environmental sampling, as part of the off-site investigation at the adjacent Bridge

FORMER UNION WIRE DIE CORP. - OFF-SITE, 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

	Cleaners site (C241127), indicated soil vapor intrusion is a concern
	at several off-site structures and actions have been recommended.
Dump:	Not Reported
Structure:	Not Reported
Lagoon:	Not Reported
Landfill:	Not Reported
Pond:	Not Reported
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	Not Reported
Record Upd:	Not Reported
Updated By:	Not Reported
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	Long Island City Library
Owner Address:	37-44 21st Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	4
Sub Type:	E
Owner Name:	Gary Gopalani
Owner Company:	Personal COmmunications Inc
Owner Address:	39-40 30th Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	1
Sub Type:	E
Owner Name:	Gary Gopalani
Owner Company:	Ganesh Management LLC
Owner Address:	39-40 30th Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	C01
Owner Name:	Not Reported
Owner Company:	Queens Community Board 1
Owner Address:	45--02 Ditmars Ave, Suite 125
Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria, NY 11105
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	Not Reported
Waste Quantity:	Not Reported

FORMER UNION WIRE DIE CORP. - OFF-SITE, 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

Waste Code:	Not Reported
Crossref ID:	Not Reported
Cross Ref Type Code:	Not Reported
Cross Ref Type:	Not Reported
Record Added Date:	Not Reported
Record Updated:	Not Reported
Updated By:	Not Reported

FORMER UNION WIRE DIE CORP. 39-40 30TH STREET, LONG ISLAND CITY, NY, 11101			S116349304
◆ S12	ENE 1/10 - 1/3	(780 ft. / 0.148 mi.)	State and tribal institutional control / engineering control registries
	4 ft. Lower Elevation	29 ft. Above Sea Level	State and tribal Brownfields sites

Worksheet:

ENG CONTROLS: State and tribal institutional control / engineering control registries

Name:	FORMER UNION WIRE DIE CORP.
Address:	39-40 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Site Code:	492945
HW Code:	Not Reported
Control Code:	15
Control Type:	ENG
Date Record Added:	05/10/2017
Date Rec Updated:	05/02/2019
Updated By:	LSZINOMA
Site Description:	Location: The site is located in Long Island City, Queens at the corner of 30th Street and 40th Ave. Site Features: There is a 2-story building on-site. The first floor is primarily storage and the second floor is used as office space. Current Zoning and Land Use: The site is zoned M1-3/R7X. M1 indicates light industrial use while R7X is a higher-density residential district (apartments). The building is currently occupied by a wireless communications distributor. Future use is anticipated to be a combination of commercial and restricted residential use. Past Use of the Site: The site was undeveloped until sometime between 1915 and 1936. By 1936, a gas station occupied the site. The property was redeveloped by 1947 into a 2-story warehouse utilized by Optical Products Corporation for manufacturing, shipping and as an office. Other occupants of the building include Union Wire Die Corp. (1960s - 1980s), National Tea Packaging Co. Inc. (1962 - 1991) and a warehouse (1991 - 2006). Site Geology and Hydrogeology: Subsurface soils at the site consist of a mixture of a silty non-native fill to a depth ranging from 0 to 6 feet below grade

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

	(fbg). The fill is followed by a silty-sand. A coarse sand was noted at two of the boring locations in place of the silty-sand. The bedrock is an igneous intrusive classified as Ravenswood granodiorite of middle Ordovician to middle Cambrian age. Unconsolidated sediments overlie the bedrock and consist of Pleistocene aged sand, gravel and silty clays. The elevation of the site is 28 feet above the National Geodetic Vertical Datum. The area topography gradually slopes to the southeast. Groundwater at the site is present under water table conditions at a depth of approximately 20 feet below grade. Investigation at the site indicates groundwater flow to the south-southeast.
Env Problem:	Remediation at the site is complete. Prior to remediation, the primary contaminants were metals and semi-volatile organic compounds in shallow soils, and chlorinated volatile organic compounds (VOCS) in groundwater and soil vapor. Remedial actions have been implemented at the Site. Residual contamination in the soil, groundwater and soil vapor is being managed under a Site Management Plan.
Health Problem:	Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	3/24/2014 4:38:00 PM
Record Upd:	10/12/2017 11:43:00 AM
Updated By:	RECURLEY
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	Long Island City Library
Owner Address:	37-44 21st Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	6
Sub Type:	NNN
Owner Name:	Mr. Joseph Stern
Owner Company:	LIC Owner LLC

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

Owner Address:	5-26 46th Avenue Suite 2A
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long island city, NY 11101
Owner Country:	United States of America
Own Op:	1
Sub Type:	E
Owner Name:	JOSEPH STERN
Owner Company:	LIC OWNER LLC
Owner Address:	5-26 46TH AVENUE Suite 2a
Owner Addr2:	Not Reported
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	C01
Owner Name:	Not Reported
Owner Company:	Queens Community Board 1
Owner Address:	45-02 Ditmars Ave, Suite 125
Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria, NY 11105
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	CRFN: 2019000183656
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	7/2/2019 11:21:00 AM
Record Updated:	7/2/2019 11:21:00 AM
Updated By:	RECURLEY
Crossref ID:	C241163
Cross Ref Type Code:	22
Cross Ref Type:	BCP Site ID
Record Added Date:	10/12/2017 10:27:00 AM
Record Updated:	10/12/2017 10:27:00 AM
Updated By:	RECURLEY
Crossref ID:	C241163-06-14
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	10/12/2017 10:27:00 AM
Record Updated:	10/12/2017 10:27:00 AM
Updated By:	RECURLEY
Crossref ID:	CRFN: 2017000171134
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	5/11/2017 9:02:00 AM
Record Updated:	11/27/2017 11:14:00 AM
Updated By:	RECURLEY
Crossref ID:	CRFN: 2017000171134
Cross Ref Type Code:	31

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

Cross Ref Type:	Environmental Easement No.
Record Added Date:	5/11/2017 9:02:00 AM
Record Updated:	5/11/2017 9:02:00 AM
Updated By:	RECURLEY
Name:	FORMER UNION WIRE DIE CORP.
Address:	39-40 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Site Code:	492945
HW Code:	Not Reported
Control Code:	13
Control Type:	ENG
Date Record Added:	05/10/2017
Date Rec Updated:	05/02/2019
Updated By:	LSZINOMA
Site Description:	Location: The site is located in Long Island City, Queens at the corner of 30th Street and 40th Ave. Site Features: There is a 2-story building on-site. The first floor is primarily storage and the second floor is used as office space. Current Zoning and Land Use: The site is zoned M1-3/R7X. M1 indicates light industrial use while R7X is a higher-density residential district (apartments). The building is currently occupied by a wireless communications distributor. Future use is anticipated to be a combination of commercial and restricted residential use. Past Use of the Site: The site was undeveloped until sometime between 1915 and 1936. By 1936, a gas station occupied the site. The property was redeveloped by 1947 into a 2-story warehouse utilized by Optical Products Corporation for manufacturing, shipping and as an office. Other occupants of the building include Union Wire Die Corp. (1960s - 1980s), National Tea Packaging Co. Inc. (1962 - 1991) and a warehouse (1991 - 2006). Site Geology and Hydrogeology: Subsurface soils at the site consist of a mixture of a silty non-native fill to a depth ranging from 0 to 6 feet below grade (fbg). The fill is followed by a silty-sand. A coarse sand was noted at two of the boring locations in place of the silty-sand. The bedrock is an igneous intrusive classified as Ravenswood granodiorite of middle Ordovician to middle Cambrian age. Unconsolidated sediments overlie the bedrock and consist of Pleistocene aged sand, gravel and silty clays. The elevation of the site is 28 feet above the National Geodetic Vertical Datum. The area topography gradually slopes to the southeast. Groundwater at the site is present under water table conditions at a depth of approximately 20 feet below grade. Investigation at the site indicates groundwater flow to the

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

	south-southeast.
Env Problem:	Remediation at the site is complete. Prior to remediation, the primary contaminants were metals and semi-volatile organic compounds in shallow soils, and chlorinated volatile organic compounds (VOCS) in groundwater and soil vapor. Remedial actions have been implemented at the Site. Residual contamination in the soil, groundwater and soil vapor is being managed under a Site Management Plan.
Health Problem:	Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	3/24/2014 4:38:00 PM
Record Upd:	10/12/2017 11:43:00 AM
Updated By:	RECURLEY
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	Long Island City Library
Owner Address:	37-44 21st Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	6
Sub Type:	NNN
Owner Name:	Mr. Joseph Stern
Owner Company:	LIC Owner LLC
Owner Address:	5-26 46th Avenue Suite 2A
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long island city, NY 11101
Owner Country:	United States of America
Own Op:	1
Sub Type:	E
Owner Name:	JOSEPH STERN
Owner Company:	LIC OWNER LLC
Owner Address:	5-26 46TH AVENUE Suite 2a
Owner Addr2:	Not Reported
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Country:	United States of America
Own Op:	Document Repository

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

Sub Type:	C01
Owner Name:	Not Reported
Owner Company:	Queens Community Board 1
Owner Address:	45-02 Ditmars Ave, Suite 125
Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria, NY 11105
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	CRFN: 2019000183656
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	7/2/2019 11:21:00 AM
Record Updated:	7/2/2019 11:21:00 AM
Updated By:	RECURLEY
Crossref ID:	C241163
Cross Ref Type Code:	22
Cross Ref Type:	BCP Site ID
Record Added Date:	10/12/2017 10:27:00 AM
Record Updated:	10/12/2017 10:27:00 AM
Updated By:	RECURLEY
Crossref ID:	C241163-06-14
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	10/12/2017 10:27:00 AM
Record Updated:	10/12/2017 10:27:00 AM
Updated By:	RECURLEY
Crossref ID:	CRFN: 2017000171134
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	5/11/2017 9:02:00 AM
Record Updated:	11/27/2017 11:14:00 AM
Updated By:	RECURLEY
Crossref ID:	CRFN: 2017000171134
Cross Ref Type Code:	31
Cross Ref Type:	Environmental Easement No.
Record Added Date:	5/11/2017 9:02:00 AM
Record Updated:	5/11/2017 9:02:00 AM
Updated By:	RECURLEY

INST CONTROL: State and tribal institutional control / engineering control registries

Name:	FORMER UNION WIRE DIE CORP.
Address:	39-40 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Site Code:	492945
Control Name:	Environmental Easement
HW Code:	Not Reported

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

Control Code:	Not Reported
Control Type:	INST
Dt record added:	05/10/2017
Dt rec updated:	05/02/2019
Updated By:	LSZINOMA
Site Code:	492945
Site Description:	Location: The site is located in Long Island City, Queens at the corner of 30th Street and 40th Ave. Site Features: There is a 2-story building on-site. The first floor is primarily storage and the second floor is used as office space. Current Zoning and Land Use: The site is zoned M1-3/R7X. M1 indicates light industrial use while R7X is a higher-density residential district (apartments). The building is currently occupied by a wireless communications distributor. Future use is anticipated to be a combination of commercial and restricted residential use. Past Use of the Site: The site was undeveloped until sometime between 1915 and 1936. By 1936, a gas station occupied the site. The property was redeveloped by 1947 into a 2-story warehouse utilized by Optical Products Corporation for manufacturing, shipping and as an office. Other occupants of the building include Union Wire Die Corp. (1960s - 1980s), National Tea Packaging Co. Inc. (1962 - 1991) and a warehouse (1991 - 2006). Site Geology and Hydrogeology: Subsurface soils at the site consist of a mixture of a silty non-native fill to a depth ranging from 0 to 6 feet below grade (fbg). The fill is followed by a silty-sand. A coarse sand was noted at two of the boring locations in place of the silty-sand. The bedrock is an igneous intrusive classified as Ravenswood granodiorite of middle Ordovician to middle Cambrian age. Unconsolidated sediments overlie the bedrock and consist of Pleistocene aged sand, gravel and silty clays. The elevation of the site is 28 feet above the National Geodetic Vertical Datum. The area topography gradually slopes to the southeast. Groundwater at the site is present under water table conditions at a depth of approximately 20 feet below grade. Investigation at the site indicates groundwater flow to the south-southeast.
Env Problem:	Remediation at the site is complete. Prior to remediation, the primary contaminants were metals and semi-volatile organic compounds in shallow soils, and chlorinated volatile organic compounds (VOCS) in groundwater and soil vapor. Remedial actions have been implemented at the Site. Residual contamination in the soil, groundwater and soil

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

	vapor is being managed under a Site Management Plan.
Health Problem:	Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
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Record Upd:	10/12/2017 11:43:00 AM
Updated By:	RECURLEY
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	Long Island City Library
Owner Address:	37-44 21st Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	6
Sub Type:	NNN
Owner Name:	Mr. Joseph Stern
Owner Company:	LIC Owner LLC
Owner Address:	5-26 46th Avenue Suite 2A
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long island city, NY 11101
Owner Country:	United States of America
Own Op:	1
Sub Type:	E
Owner Name:	JOSEPH STERN
Owner Company:	LIC OWNER LLC
Owner Address:	5-26 46TH AVENUE Suite 2a
Owner Addr2:	Not Reported
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	C01
Owner Name:	Not Reported
Owner Company:	Queens Community Board 1
Owner Address:	45-02 Ditmars Ave, Suite 125
Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria, NY 11105
Owner Country:	United States of America
HW Code:	Not Reported

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	CRFN: 2019000183656
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	7/2/2019 11:21:00 AM
Record Updated:	7/2/2019 11:21:00 AM
Updated By:	RECURLEY
Crossref ID:	C241163
Cross Ref Type Code:	22
Cross Ref Type:	BCP Site ID
Record Added Date:	10/12/2017 10:27:00 AM
Record Updated:	10/12/2017 10:27:00 AM
Updated By:	RECURLEY
Crossref ID:	C241163-06-14
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	10/12/2017 10:27:00 AM
Record Updated:	10/12/2017 10:27:00 AM
Updated By:	RECURLEY
Crossref ID:	CRFN: 2017000171134
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Record Updated:	11/27/2017 11:14:00 AM
Updated By:	RECURLEY
Crossref ID:	CRFN: 2017000171134
Cross Ref Type Code:	31
Cross Ref Type:	Environmental Easement No.
Record Added Date:	5/11/2017 9:02:00 AM
Record Updated:	5/11/2017 9:02:00 AM
Updated By:	RECURLEY
Name:	FORMER UNION WIRE DIE CORP.
Address:	39-40 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Site Code:	492945
Control Name:	IC/EC Plan
HW Code:	Not Reported
Control Code:	34
Control Type:	INST
Dt record added:	05/10/2017
Dt rec updated:	05/02/2019
Updated By:	LSZINOMA
Site Code:	492945
Site Description:	Location: The site is located in Long Island City, Queens at the corner of 30th Street and 40th Ave. Site Features: There is a 2-story building on-site. The first floor is primarily storage and the second

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

	floor is used as office space. Current Zoning and Land Use: The site is zoned M1-3/R7X. M1 indicates light industrial use while R7X is a higher-density residential district (apartments). The building is currently occupied by a wireless communications distributor. Future use is anticipated to be a combination of commercial and restricted residential use. Past Use of the Site: The site was undeveloped until sometime between 1915 and 1936. By 1936, a gas station occupied the site. The property was redeveloped by 1947 into a 2-story warehouse utilized by Optical Products Corporation for manufacturing, shipping and as an office. Other occupants of the building include Union Wire Die Corp. (1960s - 1980s), National Tea Packaging Co. Inc. (1962 - 1991) and a warehouse (1991 - 2006). Site Geology and Hydrogeology: Subsurface soils at the site consist of a mixture of a silty non-native fill to a depth ranging from 0 to 6 feet below grade (fbg). The fill is followed by a silty-sand. A coarse sand was noted at two of the boring locations in place of the silty-sand. The bedrock is an igneous intrusive classified as Ravenswood granodiorite of middle Ordovician to middle Cambrian age. Unconsolidated sediments overlie the bedrock and consist of Pleistocene aged sand, gravel and silty clays. The elevation of the site is 28 feet above the National Geodetic Vertical Datum. The area topography gradually slopes to the southeast. Groundwater at the site is present under water table conditions at a depth of approximately 20 feet below grade. Investigation at the site indicates groundwater flow to the south-southeast.
Env Problem:	Remediation at the site is complete. Prior to remediation, the primary contaminants were metals and semi-volatile organic compounds in shallow soils, and chlorinated volatile organic compounds (VOCS) in groundwater and soil vapor. Remedial actions have been implemented at the Site. Residual contamination in the soil, groundwater and soil vapor is being managed under a Site Management Plan.
Health Problem:	Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	3/24/2014 4:38:00 PM
Record Upd:	10/12/2017 11:43:00 AM
Updated By:	RECURLEY
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	Long Island City Library
Owner Address:	37-44 21st Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	6
Sub Type:	NNN
Owner Name:	Mr. Joseph Stern
Owner Company:	LIC Owner LLC
Owner Address:	5-26 46th Avenue Suite 2A
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long island city, NY 11101
Owner Country:	United States of America
Own Op:	1
Sub Type:	E
Owner Name:	JOSEPH STERN
Owner Company:	LIC OWNER LLC
Owner Address:	5-26 46TH AVENUE Suite 2a
Owner Addr2:	Not Reported
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	C01
Owner Name:	Not Reported
Owner Company:	Queens Community Board 1
Owner Address:	45-02 Ditmars Ave, Suite 125
Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria, NY 11105
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	CRFN: 2019000183656
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	7/2/2019 11:21:00 AM
Record Updated:	7/2/2019 11:21:00 AM
Updated By:	RECURLEY
Crossref ID:	C241163

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

Cross Ref Type Code:	22
Cross Ref Type:	BCP Site ID
Record Added Date:	10/12/2017 10:27:00 AM
Record Updated:	10/12/2017 10:27:00 AM
Updated By:	RECURLEY
Crossref ID:	C241163-06-14
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	10/12/2017 10:27:00 AM
Record Updated:	10/12/2017 10:27:00 AM
Updated By:	RECURLEY
Crossref ID:	CRFN: 2017000171134
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	5/11/2017 9:02:00 AM
Record Updated:	11/27/2017 11:14:00 AM
Updated By:	RECURLEY
Crossref ID:	CRFN: 2017000171134
Cross Ref Type Code:	31
Cross Ref Type:	Environmental Easement No.
Record Added Date:	5/11/2017 9:02:00 AM
Record Updated:	5/11/2017 9:02:00 AM
Updated By:	RECURLEY
Name:	FORMER UNION WIRE DIE CORP.
Address:	39-40 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Site Code:	492945
Control Name:	Site Management Plan
HW Code:	Not Reported
Control Code:	32
Control Type:	INST
Dt record added:	05/10/2017
Dt rec updated:	05/02/2019
Updated By:	LSZINOMA
Site Code:	492945
Site Description:	Location: The site is located in Long Island City, Queens at the corner of 30th Street and 40th Ave. Site Features: There is a 2-story building on-site. The first floor is primarily storage and the second floor is used as office space. Current Zoning and Land Use: The site is zoned M1-3/R7X. M1 indicates light industrial use while R7X is a higher-density residential district (apartments). The building is currently occupied by a wireless communications distributor. Future use is anticipated to be a combination of commercial and restricted residential use. Past Use of the Site: The site was undeveloped until sometime between 1915 and 1936. By 1936, a gas station occupied the site. The property was redeveloped by 1947 into a 2-story warehouse

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

	utilized by Optical Products Corporation for manufacturing, shipping and as an office. Other occupants of the building include Union Wire Die Corp. (1960s - 1980s), National Tea Packaging Co. Inc. (1962 - 1991) and a warehouse (1991 - 2006). Site Geology and Hydrogeology: Subsurface soils at the site consist of a mixture of a silty non-native fill to a depth ranging from 0 to 6 feet below grade (fbg). The fill is followed by a silty-sand. A coarse sand was noted at two of the boring locations in place of the silty-sand. The bedrock is an igneous intrusive classified as Ravenswood granodiorite of middle Ordovician to middle Cambrian age. Unconsolidated sediments overlie the bedrock and consist of Pleistocene aged sand, gravel and silty clays. The elevation of the site is 28 feet above the National Geodetic Vertical Datum. The area topography gradually slopes to the southeast. Groundwater at the site is present under water table conditions at a depth of approximately 20 feet below grade. Investigation at the site indicates groundwater flow to the south-southeast.
Env Problem:	Remediation at the site is complete. Prior to remediation, the primary contaminants were metals and semi-volatile organic compounds in shallow soils, and chlorinated volatile organic compounds (VOCS) in groundwater and soil vapor. Remedial actions have been implemented at the Site. Residual contamination in the soil, groundwater and soil vapor is being managed under a Site Management Plan.
Health Problem:	Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	3/24/2014 4:38:00 PM
Record Upd:	10/12/2017 11:43:00 AM
Updated By:	RECURLEY
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	Long Island City Library

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

Owner Address:	37-44 21st Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	6
Sub Type:	NNN
Owner Name:	Mr. Joseph Stern
Owner Company:	LIC Owner LLC
Owner Address:	5-26 46th Avenue Suite 2A
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long island city, NY 11101
Owner Country:	United States of America
Own Op:	1
Sub Type:	E
Owner Name:	JOSEPH STERN
Owner Company:	LIC OWNER LLC
Owner Address:	5-26 46TH AVENUE Suite 2a
Owner Addr2:	Not Reported
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	C01
Owner Name:	Not Reported
Owner Company:	Queens Community Board 1
Owner Address:	45-02 Ditmars Ave, Suite 125
Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria, NY 11105
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	CRFN: 2019000183656
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	7/2/2019 11:21:00 AM
Record Updated:	7/2/2019 11:21:00 AM
Updated By:	RECURLEY
Crossref ID:	C241163
Cross Ref Type Code:	22
Cross Ref Type:	BCP Site ID
Record Added Date:	10/12/2017 10:27:00 AM
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Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	10/12/2017 10:27:00 AM
Record Updated:	10/12/2017 10:27:00 AM
Updated By:	RECURLEY

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

Crossref ID:	CRFN: 2017000171134
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	5/11/2017 9:02:00 AM
Record Updated:	11/27/2017 11:14:00 AM
Updated By:	RECURLEY
Crossref ID:	CRFN: 2017000171134
Cross Ref Type Code:	31
Cross Ref Type:	Environmental Easement No.
Record Added Date:	5/11/2017 9:02:00 AM
Record Updated:	5/11/2017 9:02:00 AM
Updated By:	RECURLEY
Name:	FORMER UNION WIRE DIE CORP.
Address:	39-40 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Site Code:	492945
Control Name:	O&M Plan
HW Code:	Not Reported
Control Code:	33
Control Type:	INST
Dt record added:	05/10/2017
Dt rec updated:	05/02/2019
Updated By:	LSZINOMA
Site Code:	492945
Site Description:	Location: The site is located in Long Island City, Queens at the corner of 30th Street and 40th Ave. Site Features: There is a 2-story building on-site. The first floor is primarily storage and the second floor is used as office space. Current Zoning and Land Use: The site is zoned M1-3/R7X. M1 indicates light industrial use while R7X is a higher-density residential district (apartments). The building is currently occupied by a wireless communications distributor. Future use is anticipated to be a combination of commercial and restricted residential use. Past Use of the Site: The site was undeveloped until sometime between 1915 and 1936. By 1936, a gas station occupied the site. The property was redeveloped by 1947 into a 2-story warehouse utilized by Optical Products Corporation for manufacturing, shipping and as an office. Other occupants of the building include Union Wire Die Corp. (1960s - 1980s), National Tea Packaging Co. Inc. (1962 - 1991) and a warehouse (1991 - 2006). Site Geology and Hydrogeology: Subsurface soils at the site consist of a mixture of a silty non-native fill to a depth ranging from 0 to 6 feet below grade (fbg). The fill is followed by a silty-sand. A coarse sand was noted at two of the boring locations in place of the silty-sand. The

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

	bedrock is an igneous intrusive classified as Ravenswood granodiorite of middle Ordovician to middle Cambrian age. Unconsolidated sediments overlie the bedrock and consist of Pleistocene aged sand, gravel and silty clays. The elevation of the site is 28 feet above the National Geodetic Vertical Datum. The area topography gradually slopes to the southeast. Groundwater at the site is present under water table conditions at a depth of approximately 20 feet below grade. Investigation at the site indicates groundwater flow to the south-southeast.
Env Problem:	Remediation at the site is complete. Prior to remediation, the primary contaminants were metals and semi-volatile organic compounds in shallow soils, and chlorinated volatile organic compounds (VOCS) in groundwater and soil vapor. Remedial actions have been implemented at the Site. Residual contamination in the soil, groundwater and soil vapor is being managed under a Site Management Plan.
Health Problem:	Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
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Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	6
Sub Type:	NNN
Owner Name:	Mr. Joseph Stern
Owner Company:	LIC Owner LLC
Owner Address:	5-26 46th Avenue Suite 2A
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long island city, NY 11101

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

Owner Country:	United States of America
Own Op:	1
Sub Type:	E
Owner Name:	JOSEPH STERN
Owner Company:	LIC OWNER LLC
Owner Address:	5-26 46TH AVENUE Suite 2a
Owner Addr2:	Not Reported
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	C01
Owner Name:	Not Reported
Owner Company:	Queens Community Board 1
Owner Address:	45-02 Ditmars Ave, Suite 125
Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria, NY 11105
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	CRFN: 2019000183656
Cross Ref Type Code:	25
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Updated By:	RECURLEY
Crossref ID:	CRFN: 2017000171134
Cross Ref Type Code:	31
Cross Ref Type:	Environmental Easement No.
Record Added Date:	5/11/2017 9:02:00 AM
Record Updated:	5/11/2017 9:02:00 AM

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

Updated By:	RECURLEY
Name:	FORMER UNION WIRE DIE CORP.
Address:	39-40 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Site Code:	492945
Control Name:	Ground Water Use Restriction
HW Code:	Not Reported
Control Code:	8
Control Type:	INST
Dt record added:	05/10/2017
Dt rec updated:	05/02/2019
Updated By:	LSZINOMA
Site Code:	492945
Site Description:	Location: The site is located in Long Island City, Queens at the corner of 30th Street and 40th Ave. Site Features: There is a 2-story building on-site. The first floor is primarily storage and the second floor is used as office space. Current Zoning and Land Use: The site is zoned M1-3/R7X. M1 indicates light industrial use while R7X is a higher-density residential district (apartments). The building is currently occupied by a wireless communications distributor. Future use is anticipated to be a combination of commercial and restricted residential use. Past Use of the Site: The site was undeveloped until sometime between 1915 and 1936. By 1936, a gas station occupied the site. The property was redeveloped by 1947 into a 2-story warehouse utilized by Optical Products Corporation for manufacturing, shipping and as an office. Other occupants of the building include Union Wire Die Corp. (1960s - 1980s), National Tea Packaging Co. Inc. (1962 - 1991) and a warehouse (1991 - 2006). Site Geology and Hydrogeology: Subsurface soils at the site consist of a mixture of a silty non-native fill to a depth ranging from 0 to 6 feet below grade (fbg). The fill is followed by a silty-sand. A coarse sand was noted at two of the boring locations in place of the silty-sand. The bedrock is an igneous intrusive classified as Ravenswood granodiorite of middle Ordovician to middle Cambrian age. Unconsolidated sediments overlie the bedrock and consist of Pleistocene aged sand, gravel and silty clays. The elevation of the site is 28 feet above the National Geodetic Vertical Datum. The area topography gradually slopes to the southeast. Groundwater at the site is present under water table conditions at a depth of approximately 20 feet below grade. Investigation at the site indicates groundwater flow to the

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

	south-southeast.
Env Problem:	Remediation at the site is complete. Prior to remediation, the primary contaminants were metals and semi-volatile organic compounds in shallow soils, and chlorinated volatile organic compounds (VOCS) in groundwater and soil vapor. Remedial actions have been implemented at the Site. Residual contamination in the soil, groundwater and soil vapor is being managed under a Site Management Plan.
Health Problem:	Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	3/24/2014 4:38:00 PM
Record Upd:	10/12/2017 11:43:00 AM
Updated By:	RECURLEY
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	Long Island City Library
Owner Address:	37-44 21st Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	6
Sub Type:	NNN
Owner Name:	Mr. Joseph Stern
Owner Company:	LIC Owner LLC
Owner Address:	5-26 46th Avenue Suite 2A
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long island city, NY 11101
Owner Country:	United States of America
Own Op:	1
Sub Type:	E
Owner Name:	JOSEPH STERN
Owner Company:	LIC OWNER LLC
Owner Address:	5-26 46TH AVENUE Suite 2a
Owner Addr2:	Not Reported
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Country:	United States of America
Own Op:	Document Repository

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

Sub Type:	C01
Owner Name:	Not Reported
Owner Company:	Queens Community Board 1
Owner Address:	45-02 Ditmars Ave, Suite 125
Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria, NY 11105
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	CRFN: 2019000183656
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	7/2/2019 11:21:00 AM
Record Updated:	7/2/2019 11:21:00 AM
Updated By:	RECURLEY
Crossref ID:	C241163
Cross Ref Type Code:	22
Cross Ref Type:	BCP Site ID
Record Added Date:	10/12/2017 10:27:00 AM
Record Updated:	10/12/2017 10:27:00 AM
Updated By:	RECURLEY
Crossref ID:	C241163-06-14
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	10/12/2017 10:27:00 AM
Record Updated:	10/12/2017 10:27:00 AM
Updated By:	RECURLEY
Crossref ID:	CRFN: 2017000171134
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	5/11/2017 9:02:00 AM
Record Updated:	11/27/2017 11:14:00 AM
Updated By:	RECURLEY
Crossref ID:	CRFN: 2017000171134
Cross Ref Type Code:	31
Cross Ref Type:	Environmental Easement No.
Record Added Date:	5/11/2017 9:02:00 AM
Record Updated:	5/11/2017 9:02:00 AM
Updated By:	RECURLEY
Name:	FORMER UNION WIRE DIE CORP.
Address:	39-40 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Site Code:	492945
Control Name:	Monitoring Plan
HW Code:	Not Reported
Control Code:	31
Control Type:	INST

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

Dt record added:	05/10/2017
Dt rec updated:	05/02/2019
Updated By:	LSZINOMA
Site Code:	492945
Site Description:	Location: The site is located in Long Island City, Queens at the corner of 30th Street and 40th Ave. Site Features: There is a 2-story building on-site. The first floor is primarily storage and the second floor is used as office space. Current Zoning and Land Use: The site is zoned M1-3/R7X. M1 indicates light industrial use while R7X is a higher-density residential district (apartments). The building is currently occupied by a wireless communications distributor. Future use is anticipated to be a combination of commercial and restricted residential use. Past Use of the Site: The site was undeveloped until sometime between 1915 and 1936. By 1936, a gas station occupied the site. The property was redeveloped by 1947 into a 2-story warehouse utilized by Optical Products Corporation for manufacturing, shipping and as an office. Other occupants of the building include Union Wire Die Corp. (1960s - 1980s), National Tea Packaging Co. Inc. (1962 - 1991) and a warehouse (1991 - 2006). Site Geology and Hydrogeology: Subsurface soils at the site consist of a mixture of a silty non-native fill to a depth ranging from 0 to 6 feet below grade (fbg). The fill is followed by a silty-sand. A coarse sand was noted at two of the boring locations in place of the silty-sand. The bedrock is an igneous intrusive classified as Ravenswood granodiorite of middle Ordovician to middle Cambrian age. Unconsolidated sediments overlie the bedrock and consist of Pleistocene aged sand, gravel and silty clays. The elevation of the site is 28 feet above the National Geodetic Vertical Datum. The area topography gradually slopes to the southeast. Groundwater at the site is present under water table conditions at a depth of approximately 20 feet below grade. Investigation at the site indicates groundwater flow to the south-southeast.
Env Problem:	Remediation at the site is complete. Prior to remediation, the primary contaminants were metals and semi-volatile organic compounds in shallow soils, and chlorinated volatile organic compounds (VOCS) in groundwater and soil vapor. Remedial actions have been implemented at the Site. Residual contamination in the soil, groundwater and soil vapor is being managed under a Site Management Plan.
Health Problem:	Remedial actions are complete and measures are in place to control

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

	the potential for coming in contact with residual contamination remaining at the site.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	3/24/2014 4:38:00 PM
Record Upd:	10/12/2017 11:43:00 AM
Updated By:	RECURLEY
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	Long Island City Library
Owner Address:	37-44 21st Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	6
Sub Type:	NNN
Owner Name:	Mr. Joseph Stern
Owner Company:	LIC Owner LLC
Owner Address:	5-26 46th Avenue Suite 2A
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long island city, NY 11101
Owner Country:	United States of America
Own Op:	1
Sub Type:	E
Owner Name:	JOSEPH STERN
Owner Company:	LIC OWNER LLC
Owner Address:	5-26 46TH AVENUE Suite 2a
Owner Addr2:	Not Reported
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	C01
Owner Name:	Not Reported
Owner Company:	Queens Community Board 1
Owner Address:	45-02 Ditmars Ave, Suite 125
Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria, NY 11105
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

Waste Code:	Not Reported
Crossref ID:	CRFN: 2019000183656
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	7/2/2019 11:21:00 AM
Record Updated:	7/2/2019 11:21:00 AM
Updated By:	RECURLEY
Crossref ID:	C241163
Cross Ref Type Code:	22
Cross Ref Type:	BCP Site ID
Record Added Date:	10/12/2017 10:27:00 AM
Record Updated:	10/12/2017 10:27:00 AM
Updated By:	RECURLEY
Crossref ID:	C241163-06-14
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	10/12/2017 10:27:00 AM
Record Updated:	10/12/2017 10:27:00 AM
Updated By:	RECURLEY
Crossref ID:	CRFN: 2017000171134
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	5/11/2017 9:02:00 AM
Record Updated:	11/27/2017 11:14:00 AM
Updated By:	RECURLEY
Crossref ID:	CRFN: 2017000171134
Cross Ref Type Code:	31
Cross Ref Type:	Environmental Easement No.
Record Added Date:	5/11/2017 9:02:00 AM
Record Updated:	5/11/2017 9:02:00 AM
Updated By:	RECURLEY

BROWNFIELDS: State and tribal Brownfields sites

Name:	FORMER UNION WIRE DIE CORP.
Address:	39-40 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Program:	BCP
Site Code:	492945
Acres:	0.325
HW Code:	C241163
SWIS:	4101
Town:	New York City
Record Added Date:	03/24/2014
Record Updated Date:	01/06/2020
Update By:	MJKOMORO
Site Description:	Location: The site is located in Long Island City, Queens at the corner of 30th Street and 40th Ave. Site Features: There is a 2-story building on-site. The first floor is primarily storage and the second

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

	floor is used as office space. Current Zoning and Land Use: The site is zoned M1-3/R7X. M1 indicates light industrial use while R7X is a higher-density residential district (apartments). The building is currently occupied by a wireless communications distributor. Future use is anticipated to be a combination of commercial and restricted residential use. Past Use of the Site: The site was undeveloped until sometime between 1915 and 1936. By 1936, a gas station occupied the site. The property was redeveloped by 1947 into a 2-story warehouse utilized by Optical Products Corporation for manufacturing, shipping and as an office. Other occupants of the building include Union Wire Die Corp. (1960s - 1980s), National Tea Packaging Co. Inc. (1962 - 1991) and a warehouse (1991 - 2006). Site Geology and Hydrogeology: Subsurface soils at the site consist of a mixture of a silty non-native fill to a depth ranging from 0 to 6 feet below grade (fbg). The fill is followed by a silty-sand. A coarse sand was noted at two of the boring locations in place of the silty-sand. The bedrock is an igneous intrusive classified as Ravenswood granodiorite of middle Ordovician to middle Cambrian age. Unconsolidated sediments overlie the bedrock and consist of Pleistocene aged sand, gravel and silty clays. The elevation of the site is 28 feet above the National Geodetic Vertical Datum. The area topography gradually slopes to the southeast. Groundwater at the site is present under water table conditions at a depth of approximately 20 feet below grade. Investigation at the site indicates groundwater flow to the south-southeast.
Env Problem:	Remediation at the site is complete. Prior to remediation, the primary contaminants were metals and semi-volatile organic compounds in shallow soils, and chlorinated volatile organic compounds (VOCS) in groundwater and soil vapor. Remedial actions have been implemented at the Site. Residual contamination in the soil, groundwater and soil vapor is being managed under a Site Management Plan.
Health Problem:	Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	3/24/2014 4:38:00 PM
Record Upd:	10/12/2017 11:43:00 AM
Updated By:	RECURLEY
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	Long Island City Library
Owner Address:	37-44 21st Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	6
Sub Type:	NNN
Owner Name:	Mr. Joseph Stern
Owner Company:	LIC Owner LLC
Owner Address:	5-26 46th Avenue Suite 2A
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long island city, NY 11101
Owner Country:	United States of America
Own Op:	1
Sub Type:	E
Owner Name:	JOSEPH STERN
Owner Company:	LIC OWNER LLC
Owner Address:	5-26 46TH AVENUE Suite 2a
Owner Addr2:	Not Reported
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	C01
Owner Name:	Not Reported
Owner Company:	Queens Community Board 1
Owner Address:	45-02 Ditmars Ave, Suite 125
Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria, NY 11105
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	CRFN: 2019000183656
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	7/2/2019 11:21:00 AM
Record Updated:	7/2/2019 11:21:00 AM
Updated By:	RECURLEY
Crossref ID:	C241163

FORMER UNION WIRE DIE CORP., 39-40 30TH STREET, LONG ISLAND CITY, NY 11101 (Continued)

Cross Ref Type Code:	22
Cross Ref Type:	BCP Site ID
Record Added Date:	10/12/2017 10:27:00 AM
Record Updated:	10/12/2017 10:27:00 AM
Updated By:	RECURLEY
Crossref ID:	C241163-06-14
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	10/12/2017 10:27:00 AM
Record Updated:	10/12/2017 10:27:00 AM
Updated By:	RECURLEY
Crossref ID:	CRFN: 2017000171134
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	5/11/2017 9:02:00 AM
Record Updated:	11/27/2017 11:14:00 AM
Updated By:	RECURLEY
Crossref ID:	CRFN: 2017000171134
Cross Ref Type Code:	31
Cross Ref Type:	Environmental Easement No.
Record Added Date:	5/11/2017 9:02:00 AM
Record Updated:	5/11/2017 9:02:00 AM
Updated By:	RECURLEY

CITY WIDE CLEANERS
39-28 30TH STREET, LI CITY, NY, 11101 S110246219

◆ U13	NE 1/10 - 1/3	(893 ft. / 0.169 mi.)	Other Ascertainable Records
	4 ft. Lower Elevation	29 ft. Above Sea Level	

Worksheet:

DRYCLEANERS: Other Ascertainable Records

Name:	CITY WIDE CLEANERS
Address:	39-28 30TH STREET
City,State,Zip:	LI CITY, NY 11101
Facility ID:	---
Phone Number:	Not Reported
Region:	2
Registration Effective Date:	???
Inspection Date:	Not Reported
Install Date:	Not Reported
Expiration Date:	Not Reported
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Not Reported
Current Business:	???

MAP FINDINGS

QUEENS BORO CLEANERS 39-26 30TH ST, LONG ISLAND CITY, NY, 11101			S121489551
◆ U14	NE 1/10 - 1/3	(911 ft. / 0.173 mi.)	Other Ascertainable Records
	3 ft. Lower Elevation	30 ft. Above Sea Level	

Worksheet:

AIRS: Other Ascertainable Records

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
DECID:	2630401375
Latitude:	Not Reported
Process ID:	Not Reported
Longitude:	Not Reported
FIPS Code:	Not Reported
Auth Type Code:	AFR
Permit Status:	Expired
Auth Status Code:	7
Emissions:	Not Reported
Issue date:	06/25/2008
Expired Date:	08/11/2010
Emission Unit date:	Not Reported
Contamination:	Not Reported
EPA Control Code:	Not Reported
Control Eff:	Not Reported
Unit:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
DECID:	2630401375
Latitude:	Not Reported
Process ID:	Not Reported
Longitude:	Not Reported
FIPS Code:	Not Reported
Auth Type Code:	AFR
Permit Status:	Expired
Auth Status Code:	7
Emissions:	Not Reported
Issue date:	08/24/2007
Expired Date:	06/25/2008
Emission Unit date:	Not Reported
Contamination:	Not Reported
EPA Control Code:	Not Reported
Control Eff:	Not Reported
Unit:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

City,State,Zip:	LONG ISLAND CITY, NY 11101
DECID:	2630401375
Latitude:	Not Reported
Process ID:	Not Reported
Longitude:	Not Reported
FIPS Code:	Not Reported
Auth Type Code:	AFR
Permit Status:	Expired
Auth Status Code:	7
Emissions:	Not Reported
Issue date:	03/19/2003
Expired Date:	06/15/2004
Emission Unit date:	Not Reported
Contamination:	Not Reported
EPA Control Code:	Not Reported
Control Eff:	Not Reported
Unit:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
DECID:	2630401375
Latitude:	Not Reported
Process ID:	Not Reported
Longitude:	Not Reported
FIPS Code:	Not Reported
Auth Type Code:	AFR
Permit Status:	Expired
Auth Status Code:	7
Emissions:	Not Reported
Issue date:	10/01/2010
Expired Date:	07/07/2011
Emission Unit date:	Not Reported
Contamination:	Not Reported
EPA Control Code:	Not Reported
Control Eff:	Not Reported
Unit:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
DECID:	2630401375
Latitude:	Not Reported
Process ID:	Not Reported
Longitude:	Not Reported
FIPS Code:	Not Reported
Auth Type Code:	AFR
Permit Status:	Expired
Auth Status Code:	7
Emissions:	Not Reported
Issue date:	06/15/2004

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Expired Date:	08/24/2007
Emission Unit date:	Not Reported
Contamination:	Not Reported
EPA Control Code:	Not Reported
Control Eff:	Not Reported
Unit:	Not Reported

DRYCLEANERS: Other Ascertainable Records

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2003-03-19 15:51:59
Inspection Date:	2000-10-05 10:00:00
Install Date:	Not Reported
Expiration Date:	06/15/2004
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2003-03-19 15:51:59
Inspection Date:	2001-10-04 11:30:00
Install Date:	Not Reported
Expiration Date:	06/15/2004
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2003-03-19 15:51:59
Inspection Date:	2002-10-04 08:30:00
Install Date:	Not Reported
Expiration Date:	06/15/2004

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2003-03-19 15:51:59
Inspection Date:	2003-06-07 07:45:00
Install Date:	Not Reported
Expiration Date:	06/15/2004
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2003-03-19 15:51:59
Inspection Date:	2004-06-07 08:00:00
Install Date:	Not Reported
Expiration Date:	06/15/2004
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2003-03-19 15:51:59
Inspection Date:	2005-06-03 08:00:00
Install Date:	Not Reported
Expiration Date:	06/15/2004
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Alternate Solvent:	Perc
Current Business:	Not Reported
Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2003-03-19 15:51:59
Inspection Date:	2006-06-08 08:00:00
Install Date:	Not Reported
Expiration Date:	06/15/2004
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported
Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2003-03-19 15:51:59
Inspection Date:	2007-06-05 08:00:00
Install Date:	Not Reported
Expiration Date:	06/15/2004
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported
Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2003-03-19 15:51:59
Inspection Date:	2008-06-03 08:00:00
Install Date:	Not Reported
Expiration Date:	06/15/2004
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported
Name:	QUEENS BORO CLEANERS

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2003-03-19 15:51:59
Inspection Date:	2009-06-10 08:00:00
Install Date:	Not Reported
Expiration Date:	06/15/2004
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2003-03-19 15:51:59
Inspection Date:	2010-06-23 07:30:00
Install Date:	Not Reported
Expiration Date:	06/15/2004
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2004-06-15 12:02:11
Inspection Date:	2000-10-05 10:00:00
Install Date:	Not Reported
Expiration Date:	08/24/2007
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2004-06-15 12:02:11
Inspection Date:	2001-10-04 11:30:00
Install Date:	Not Reported
Expiration Date:	08/24/2007
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2004-06-15 12:02:11
Inspection Date:	2002-10-04 08:30:00
Install Date:	Not Reported
Expiration Date:	08/24/2007
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2004-06-15 12:02:11
Inspection Date:	2003-06-07 07:45:00
Install Date:	Not Reported
Expiration Date:	08/24/2007
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2004-06-15 12:02:11

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Inspection Date:	2004-06-07 08:00:00
Install Date:	Not Reported
Expiration Date:	08/24/2007
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2004-06-15 12:02:11
Inspection Date:	2005-06-03 08:00:00
Install Date:	Not Reported
Expiration Date:	08/24/2007
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2004-06-15 12:02:11
Inspection Date:	2006-06-08 08:00:00
Install Date:	Not Reported
Expiration Date:	08/24/2007
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2004-06-15 12:02:11
Inspection Date:	2007-06-05 08:00:00
Install Date:	Not Reported
Expiration Date:	08/24/2007

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2004-06-15 12:02:11
Inspection Date:	2008-06-03 08:00:00
Install Date:	Not Reported
Expiration Date:	08/24/2007
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2004-06-15 12:02:11
Inspection Date:	2009-06-10 08:00:00
Install Date:	Not Reported
Expiration Date:	08/24/2007
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2004-06-15 12:02:11
Inspection Date:	2010-06-23 07:30:00
Install Date:	Not Reported
Expiration Date:	08/24/2007
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Alternate Solvent:	Perc
Current Business:	Not Reported
Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2007-08-24 16:59:42
Inspection Date:	2000-10-05 10:00:00
Install Date:	Not Reported
Expiration Date:	06/25/2008
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported
Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2007-08-24 16:59:42
Inspection Date:	2001-10-04 11:30:00
Install Date:	Not Reported
Expiration Date:	06/25/2008
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported
Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2007-08-24 16:59:42
Inspection Date:	2002-10-04 08:30:00
Install Date:	Not Reported
Expiration Date:	06/25/2008
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported
Name:	QUEENS BORO CLEANERS

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2007-08-24 16:59:42
Inspection Date:	2003-06-07 07:45:00
Install Date:	Not Reported
Expiration Date:	06/25/2008
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2007-08-24 16:59:42
Inspection Date:	2004-06-07 08:00:00
Install Date:	Not Reported
Expiration Date:	06/25/2008
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2007-08-24 16:59:42
Inspection Date:	2005-06-03 08:00:00
Install Date:	Not Reported
Expiration Date:	06/25/2008
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2007-08-24 16:59:42
Inspection Date:	2006-06-08 08:00:00
Install Date:	Not Reported
Expiration Date:	06/25/2008
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2007-08-24 16:59:42
Inspection Date:	2007-06-05 08:00:00
Install Date:	Not Reported
Expiration Date:	06/25/2008
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2007-08-24 16:59:42
Inspection Date:	2008-06-03 08:00:00
Install Date:	Not Reported
Expiration Date:	06/25/2008
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2007-08-24 16:59:42

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Inspection Date:	2009-06-10 08:00:00
Install Date:	Not Reported
Expiration Date:	06/25/2008
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2007-08-24 16:59:42
Inspection Date:	2010-06-23 07:30:00
Install Date:	Not Reported
Expiration Date:	06/25/2008
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2008-06-25 15:06:49
Inspection Date:	2000-10-05 10:00:00
Install Date:	Not Reported
Expiration Date:	08/11/2010
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2008-06-25 15:06:49
Inspection Date:	2001-10-04 11:30:00
Install Date:	Not Reported
Expiration Date:	08/11/2010

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2008-06-25 15:06:49
Inspection Date:	2002-10-04 08:30:00
Install Date:	Not Reported
Expiration Date:	08/11/2010
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2008-06-25 15:06:49
Inspection Date:	2003-06-07 07:45:00
Install Date:	Not Reported
Expiration Date:	08/11/2010
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2008-06-25 15:06:49
Inspection Date:	2004-06-07 08:00:00
Install Date:	Not Reported
Expiration Date:	08/11/2010
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Alternate Solvent:	Perc
Current Business:	Not Reported
Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2008-06-25 15:06:49
Inspection Date:	2005-06-03 08:00:00
Install Date:	Not Reported
Expiration Date:	08/11/2010
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported
Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2008-06-25 15:06:49
Inspection Date:	2006-06-08 08:00:00
Install Date:	Not Reported
Expiration Date:	08/11/2010
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported
Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2008-06-25 15:06:49
Inspection Date:	2007-06-05 08:00:00
Install Date:	Not Reported
Expiration Date:	08/11/2010
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported
Name:	QUEENS BORO CLEANERS

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2008-06-25 15:06:49
Inspection Date:	2008-06-03 08:00:00
Install Date:	Not Reported
Expiration Date:	08/11/2010
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2008-06-25 15:06:49
Inspection Date:	2009-06-10 08:00:00
Install Date:	Not Reported
Expiration Date:	08/11/2010
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2008-06-25 15:06:49
Inspection Date:	2010-06-23 07:30:00
Install Date:	Not Reported
Expiration Date:	08/11/2010
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2010-10-01 12:17:37
Inspection Date:	2000-10-05 10:00:00
Install Date:	Not Reported
Expiration Date:	07/07/2011
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2010-10-01 12:17:37
Inspection Date:	2001-10-04 11:30:00
Install Date:	Not Reported
Expiration Date:	07/07/2011
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2010-10-01 12:17:37
Inspection Date:	2002-10-04 08:30:00
Install Date:	Not Reported
Expiration Date:	07/07/2011
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2010-10-01 12:17:37

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Inspection Date:	2003-06-07 07:45:00
Install Date:	Not Reported
Expiration Date:	07/07/2011
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2010-10-01 12:17:37
Inspection Date:	2004-06-07 08:00:00
Install Date:	Not Reported
Expiration Date:	07/07/2011
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2010-10-01 12:17:37
Inspection Date:	2005-06-03 08:00:00
Install Date:	Not Reported
Expiration Date:	07/07/2011
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2010-10-01 12:17:37
Inspection Date:	2006-06-08 08:00:00
Install Date:	Not Reported
Expiration Date:	07/07/2011

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2010-10-01 12:17:37
Inspection Date:	2007-06-05 08:00:00
Install Date:	Not Reported
Expiration Date:	07/07/2011
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2010-10-01 12:17:37
Inspection Date:	2008-06-03 08:00:00
Install Date:	Not Reported
Expiration Date:	07/07/2011
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2010-10-01 12:17:37
Inspection Date:	2009-06-10 08:00:00
Install Date:	Not Reported
Expiration Date:	07/07/2011
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported

QUEENS BORO CLEANERS, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Alternate Solvent:	Perc
Current Business:	Not Reported
Name:	QUEENS BORO CLEANERS
Address:	39-26 30TH ST
City,State,Zip:	LONG ISLAND CITY, NY 11101
Facility ID:	2-6304-01375
Phone Number:	7183616181
Region:	Not Reported
Registration Effective Date:	2010-10-01 12:17:37
Inspection Date:	2010-06-23 07:30:00
Install Date:	Not Reported
Expiration Date:	07/07/2011
Removal Date:	Not Reported
Drop Shop:	Not Reported
Shutdown:	Not Reported
Alternate Solvent:	Perc
Current Business:	Not Reported

FRESH CLEANERS & LAUNDRY INC 39-26 30TH ST, LONG ISLAND CITY, NY, 11101			1001125032
◆ U15	NE 1/10 - 1/3	(911 ft. / 0.173 mi.)	Federal RCRA generators list State- and tribal - equivalent CERCLIS
	3 ft. Lower Elevation	30 ft. Above Sea Level	State and tribal institutional control / engineering control registries State and tribal Brownfields sites

Worksheet:

RCRA-SQG: Federal RCRA generators list

Date Form Received by Agency:	2007-04-30 00:00:00.0
Handler Name:	FRESH CLEANERS & LAUNDRY INC
Handler Address:	39-26 30TH ST
Handler City,State,Zip:	LONG ISLAND CITY, NY 11101
EPA ID:	NYR000034363
Contact Name:	MOON S PARK
Contact Address:	30TH ST
Contact City,State,Zip:	LONG ISLAND CITY, NY 11101
Contact Telephone:	718-786-9734
Contact Fax:	Not Reported
Contact Email:	Not Reported
Contact Title:	Not Reported
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not Reported
Biennial Report Cycle:	Not Reported
Accessibility:	Not Reported
Active Site Indicator:	Handler Activities
State District Owner:	NY

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

State District:	NYSDEC R2
Mailing Address:	30TH ST
Mailing City,State,Zip:	LONG ISLAND CITY, NY 11101
Owner Name:	Not Reported
Owner Type:	Not Reported
Operator Name:	Not Reported
Operator Type:	Not Reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not Reported
Active Site Converter Treatment storage and Disposal Facility:	Not Reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not Reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not Reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not Reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not Reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not Reported
Permit Workload Universe:	Not Reported
Permit Progress Universe:	Not Reported
Post-Closure Workload Universe:	Not Reported
Closure Workload Universe:	Not Reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not Reported
Full Enforcement Universe:	Not Reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not Reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not Reported
Manifest Broker:	Not Reported
Sub-Part P Indicator:	Not Reported

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE
Waste Code:	F002
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	FRESH CLEANERS & LAUNDRY INC
Legal Status:	Private
Date Became Current:	2007-03-16 00:00:00.
Date Ended Current:	Not Reported
Owner/Operator Address:	Not Reported

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Owner/Operator City,State,Zip:	Not Reported
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MOON S PARK
Legal Status:	Private
Date Became Current:	2007-03-16 00:00:00.
Date Ended Current:	Not Reported
Owner/Operator Address:	Not Reported
Owner/Operator City,State,Zip:	Not Reported
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	BRIDGE CLEANERS CORP
Legal Status:	Private
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	39-26 30TH ST
Owner/Operator City,State,Zip:	QUEENS, NY 11101
Owner/Operator Telephone:	718-706-1077
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Historic Generators:

Receive Date:	2006-01-01 00:00:00.0
Handler Name:	BRIDGE CLEANERS
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported
Receive Date:	2007-04-30 00:00:00.0
Handler Name:	FRESH CLEANERS & LAUNDRY INC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported
Receive Date:	1997-01-13 00:00:00.0
Handler Name:	BRIDGE CLEANERS
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported
Receive Date:	2007-05-01 00:00:00.0
Handler Name:	FRESH CLEANERS & LAUNDRY INC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

List of NAICS Codes and Descriptions:

NAICS Code:	81232
NAICS Description:	DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not Reported
Violation Short Description:	Not Reported
Date Violation was Determined:	Not Reported
Actual Return to Compliance Date:	Not Reported
Return to Compliance Qualifier:	Not Reported
Violation Responsible Agency:	Not Reported
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	2006-04-27 00:00:00.0
Actual Return to Compliance Date:	2007-07-02 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	001
Date of Enforcement Action:	2006-05-18 00:00:00.0
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R2RV
Enforcement Responsible Sub-Organization:	RCB
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported
Found Violation:	No
Agency Which Determined Violation:	Not Reported
Violation Short Description:	Not Reported
Date Violation was Determined:	Not Reported
Actual Return to Compliance Date:	Not Reported
Return to Compliance Qualifier:	Not Reported
Violation Responsible Agency:	Not Reported
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported
Found Violation:	No
Agency Which Determined Violation:	Not Reported
Violation Short Description:	Not Reported
Date Violation was Determined:	Not Reported
Actual Return to Compliance Date:	Not Reported
Return to Compliance Qualifier:	Not Reported
Violation Responsible Agency:	Not Reported
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported
Found Violation:	No
Agency Which Determined Violation:	Not Reported

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Violation Short Description:	Not Reported
Date Violation was Determined:	Not Reported
Actual Return to Compliance Date:	Not Reported
Return to Compliance Qualifier:	Not Reported
Violation Responsible Agency:	Not Reported
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	2006-04-27 00:00:00.0
Actual Return to Compliance Date:	2007-07-02 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	001
Date of Enforcement Action:	2007-03-29 00:00:00.0
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	02-2007-7109

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	2011-10-01 00:00:00.0
Disposition Status:	DR
Disposition Status Description:	DROPPED
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R2RV
Enforcement Responsible Sub-Organization:	RCB
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	35098
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported
Found Violation:	No
Agency Which Determined Violation:	Not Reported
Violation Short Description:	Not Reported
Date Violation was Determined:	Not Reported
Actual Return to Compliance Date:	Not Reported
Return to Compliance Qualifier:	Not Reported
Violation Responsible Agency:	Not Reported
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	2006-04-27 00:00:00.0
Actual Return to Compliance Date:	2007-07-02 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	001
Date of Enforcement Action:	2012-11-16 00:00:00.0
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	02-2007-7109
Enforcement Attorney:	R2CH
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	R2RV
Enforcement Responsible Sub-Organization:	RCB
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	35098
Paid Amount:	Not Reported
Final Count:	1
Final Amount:	35098
Found Violation:	No
Agency Which Determined Violation:	Not Reported
Violation Short Description:	Not Reported
Date Violation was Determined:	Not Reported
Actual Return to Compliance Date:	Not Reported
Return to Compliance Qualifier:	Not Reported
Violation Responsible Agency:	Not Reported
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Evaluation Action Summary:

Evaluation Date:	2011-08-18 00:00:00.0
Evaluation Responsible Agency:	EPA

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2RV
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	Not Reported
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	2006-04-27 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2RV
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	2007-07-02 00:00:00.0
Scheduled Compliance Date:	Not Reported
Date of Request:	2006-05-18 00:00:00.0
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	2002-08-28 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2CFP
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	Not Reported
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	2006-05-29 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	R2RV
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	Not Reported
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	2014-03-31 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHHN
Evaluation Responsible Sub-Organization:	R2
Actual Return to Compliance Date:	Not Reported
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	2006-04-27 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2RV
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	2007-07-02 00:00:00.0
Scheduled Compliance Date:	Not Reported
Date of Request:	2006-05-18 00:00:00.0
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	2011-10-01 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	R2RV
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	Not Reported
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	2006-04-27 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Evaluation Responsible Person Identifier:	R2RV
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	2007-07-02 00:00:00.0
Scheduled Compliance Date:	Not Reported
Date of Request:	2006-05-18 00:00:00.0
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported
Evaluation Date:	2007-07-02 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2RV
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	Not Reported
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

SHWS: State- and tribal - equivalent CERCLIS

Name:	BRIDGE CLEANERS
Address:	39-26 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Program:	HW
Site Code:	440982
Classification:	2
Region:	2
Acres:	0.17299999999999999
HW Code:	241127
Record Add:	10/15/2010
Record Upd:	02/18/2020
Updated By:	MJKOMORO
Site Description:	Location: The Bridge Cleaners site is located at 39-26 30th Street in Long Island City, an urban area. Site Features: A 7500 square foot one-story slab-on-grade building occupies the entire lot. It is occasionally occupied. Adjacent buildings to the north and west appear to contain residential units. To the south is a paved driveway used by the neighboring commercial structure. To the east is 30th street. Current Zoning and Land Use: The site is zoned M1-3/R7X (Manufacturing and Residential) under the special Long Island City Mixed Use District. The surrounding area is a mix of residential and

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

commercial uses. The site is currently being used for fabric storage and fabric cutting. Past use of the Site: The site was occupied by a commercial laundry and dry cleaner until 2011. Records indicate at least 10 years of use as a commercial dry-cleaner. Prior to that, the building was used as a distribution point for electrical components, bottled water and as a courier service. Operable Units: The site was divided into two operable units (OUs). An operable unit represents a portion of a remedial program for a site that, for technical or administrative reasons, can be addressed separately to investigate, eliminate or mitigate a release, threat of release or exposure pathway resulting from the site contamination. OU1 is the on-site area, consisting of a 75 x 100 foot lot totally enclosed by a one-story cement block building. OU2 is the off-site area. For OU2, the off-site investigation area encompasses is the sidewalks along from 39th Avenue to 40th Road, between 29th Street and 31st Street. Site Hydrology/Geology: The depth to groundwater near the site is about 18-22 feet. Soils in the area are primarily fine to medium sand with some traces of silt. One location indicated a clay layer at 6 to 9 feet below grade. In the larger OU2 investigation area, groundwater ranged from 11 to 30 feet below grade, with deeper groundwater closer to 29th Street, and shallower groundwater southeast of 30th Street. Operable Unit (OU) Numbers 01 and 02 are the subject of this document.

Env Problem:

NATURE AND EXTENT OF CONTAMINATION: For OU1: On-Site Areas Samples collected in 2009 on the property adjacent to the Bridge Cleaners site identified dry-cleaning related compounds trichloroethene (TCE) and tetrachloroethene (PCE) in the soil vapor and groundwater. There was no evidence of PCE use on the adjacent property, and the higher results were near the common property line. PCE was found at 910 ppb in groundwater along the common property boundary, decreasing to 120 ppb approximately 100 feet away. PCE was measured at 16,900 ug/m3 in the soil vapor. The groundwater standard for both PCE and TCE is 5 ppb. NYS was denied access to the building, and conducted an off-site investigation in February 2012. Elevated groundwater levels were found downgradient from the site (PCE 440 ppb, TCE 32 ppb). Soil: Soil samples in 2011, and later soil samples in 2014 found low level PCE contamination in soil. The highest soil sampled indicated 9.6 ppm PCE. The protection of groundwater standard and the unrestricted soil cleanup objective are both 1.3 ppm for PCE. Groundwater: Site

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

groundwater was first sampled in 2011. The highest levels were obtained in 2011, with a maximum concentration of 1470 ppb PCE in groundwater. In 2014, the PCE concentrations ranged from 165-340 ppb, in 2016 PCE ranged from 44 to 200 ppb. TCE was present at much lower levels (maximum of 14 ppb). The groundwater standard for both PCE and TCE is 5 ppb. Sampling in Nov 2018 and May 2019 indicated that PCE levels had dropped in 4 on-site wells, but that one well (GW-2) continued to show PCE at 240ppm, then at 210 ppm. The TCE level at this well decreased from 14 ppm to 4.1 ppm (maximum on-site concentration). Soil Vapor: Sub-slab soil vapor samples were taken in 2014. Results ranged up to 668,000 ug/m3 PCE and up to 2140 ug/m3 TCE. PCE in indoor air was 270 ug/m3. Sub-slab samples in 2016 resulted in similar levels (up to 543,000 ug/m3 PCE and up to 3750 ug/m3 TCE). In Nov 2018, post-construction soil vapor monitoring was conducted. The range of PCE in soil vapor was 69.8-1890 ug/m3 PCE, 3.1-72 ug/m3 TCE. OU2 Off-Site Investigation Area Soil: Based on soil results from the 2012 off-site characterization, soil samples were not included in the off-site scope of work. Groundwater: Eight groundwater wells were installed in addition to seven pre-existing sidewalk wells. Two rounds of sampling were completed. PCE was present at a maximum value of 369 ppb in MW-3. TCE was present at a maximum of 181 ppb in MW-3. Historically, MW-3 also contained the highest amount of PCE (440 ppb) during the 2012 site characterization. The groundwater standard for both PCE and TCE is 5 ppb. Soil Vapor: Eleven soil vapor points were installed in the investigation area. The highest soil gas result at SV-104 was 4400 ug/m3 TCE and 2400 ug/m3 PCE on the south side of 40th Ave, across from MW-6. During the second set of sampling, the highest levels were also located at SV104, though the levels decreased to 1300 ug/m3 TCE and 590 ug/m3 PCE. Sub-slab and indoor air samples were completed in 4 structures. The highest sub-slab level was 9500 ug/m3 PCE and 7.2 ug/m3 in the indoor air. This structure was designated as Mitigate. One other was also designated as monitor/mitigate.

Health Problem: People may come into contact with contaminated groundwater or soil if they dig below the surface. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds may move

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

	into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air or buildings, is referred to as soil vapor intrusion. Environmental sampling indicates that actions are needed to address potential exposures to site related contaminants via soil vapor intrusion both on and off-site.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	3/15/2012 1:30:00 PM
Record Upd:	3/14/2018 10:47:00 AM
Updated By:	RECURLEY
Own Op:	4
Sub Type:	Not Reported
Owner Name:	Bridge Cleaners
Owner Company:	Bridge Cleaners
Owner Address:	39-26 30th Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Tienya Smith
Owner Company:	Queens Library
Owner Address:	Long Island CIty Branch
Owner Addr2:	37-44 21st Street
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	1
Sub Type:	Not Reported
Owner Name:	c/o Lillian Shi, Spring Cutting Inc.
Owner Company:	Zhong Chaung Properties LLC
Owner Address:	318 W. 39th St Fl 11
Owner Addr2:	Not Reported
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Florence Koulouris, District Manager
Owner Company:	Community Board 1 - Queens
Owner Address:	45-02 Ditmars Blvd, Suite 1025

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria,, NY 11105
Owner Country:	United States of America
Own Op:	4
Sub Type:	Not Reported
Owner Name:	Lillian Shi
Owner Company:	Spring Cutting Inc.
Owner Address:	318 W 39th St Fl 11
Owner Addr2:	Not Reported
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
HW Code:	241127
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	241127
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	Not Reported
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	7/1/2019 10:48:00 AM
Record Updated:	7/1/2019 10:48:00 AM
Updated By:	RECURLEY

ENG CONTROLS: State and tribal institutional control / engineering control registries

Name:	BRIDGE CLEANERS
Address:	39-26 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Site Code:	440982
HW Code:	241127
Control Code:	15
Control Type:	ENG
Date Record Added:	09/17/2018
Date Rec Updated:	09/17/2018
Updated By:	RECURLEY
Site Description:	Location: The Bridge Cleaners site is located at 39-26 30th Street in Long Island City, an urban area. Site Features: A 7500 square foot one-story slab-on-grade building occupies the entire lot. It is occasionally occupied. Adjacent buildings to the north and west appear to contain residential units. To the south is a paved driveway used by the neighboring commercial structure. To the east is 30th street. Current Zoning and Land Use: The site is zoned M1-3/R7X (Manufacturing and Residential) under the special Long Island City Mixed Use District. The surrounding area is a mix of residential and

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

commercial uses. The site is currently being used for fabric storage and fabric cutting. Past use of the Site: The site was occupied by a commercial laundry and dry cleaner until 2011. Records indicate at least 10 years of use as a commercial dry-cleaner. Prior to that, the building was used as a distribution point for electrical components, bottled water and as a courier service. Operable Units: The site was divided into two operable units (OUs). An operable unit represents a portion of a remedial program for a site that, for technical or administrative reasons, can be addressed separately to investigate, eliminate or mitigate a release, threat of release or exposure pathway resulting from the site contamination. OU1 is the on-site area, consisting of a 75 x 100 foot lot totally enclosed by a one-story cement block building. OU2 is the off-site area. For OU2, the off-site investigation area encompasses is the sidewalks along from 39th Avenue to 40th Road, between 29th Street and 31st Street. Site Hydrology/Geology: The depth to groundwater near the site is about 18-22 feet. Soils in the area are primarily fine to medium sand with some traces of silt. One location indicated a clay layer at 6 to 9 feet below grade. In the larger OU2 investigation area, groundwater ranged from 11 to 30 feet below grade, with deeper groundwater closer to 29th Street, and shallower groundwater southeast of 30th Street. Operable Unit (OU) Numbers 01 and 02 are the subject of this document.

Env Problem:

NATURE AND EXTENT OF CONTAMINATION: For OU1: On-Site Areas Samples collected in 2009 on the property adjacent to the Bridge Cleaners site identified dry-cleaning related compounds trichloroethene (TCE) and tetrachloroethene (PCE) in the soil vapor and groundwater. There was no evidence of PCE use on the adjacent property, and the higher results were near the common property line. PCE was found at 910 ppb in groundwater along the common property boundary, decreasing to 120 ppb approximately 100 feet away. PCE was measured at 16,900 ug/m3 in the soil vapor. The groundwater standard for both PCE and TCE is 5 ppb. NYS was denied access to the building, and conducted an off-site investigation in February 2012. Elevated groundwater levels were found downgradient from the site (PCE 440 ppb, TCE 32 ppb). Soil: Soil samples in 2011, and later soil samples in 2014 found low level PCE contamination in soil. The highest soil sampled indicated 9.6 ppm PCE. The protection of groundwater standard and the unrestricted soil cleanup objective are both 1.3 ppm for PCE. Groundwater: Site

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

groundwater was first sampled in 2011. The highest levels were obtained in 2011, with a maximum concentration of 1470 ppb PCE in groundwater. In 2014, the PCE concentrations ranged from 165-340 ppb, in 2016 PCE ranged from 44 to 200 ppb. TCE was present at much lower levels (maximum of 14 ppb). The groundwater standard for both PCE and TCE is 5 ppb. Sampling in Nov 2018 and May 2019 indicated that PCE levels had dropped in 4 on-site wells, but that one well (GW-2) continued to show PCE at 240ppm, then at 210 ppm. The TCE level at this well decreased from 14 ppm to 4.1 ppm (maximum on-site concentration). Soil Vapor: Sub-slab soil vapor samples were taken in 2014. Results ranged up to 668,000 ug/m3 PCE and up to 2140 ug/m3 TCE. PCE in indoor air was 270 ug/m3. Sub-slab samples in 2016 resulted in similar levels (up to 543,000 ug/m3 PCE and up to 3750 ug/m3 TCE). In Nov 2018, post-construction soil vapor monitoring was conducted. The range of PCE in soil vapor was 69.8-1890 ug/m3 PCE, 3.1-72 ug/m3 TCE. OU2 Off-Site Investigation Area Soil: Based on soil results from the 2012 off-site characterization, soil samples were not included in the off-site scope of work. Groundwater: Eight groundwater wells were installed in addition to seven pre-existing sidewalk wells. Two rounds of sampling were completed. PCE was present at a maximum value of 369 ppb in MW-3. TCE was present at a maximum of 181 ppb in MW-3. Historically, MW-3 also contained the highest amount of PCE (440 ppb) during the 2012 site characterization. The groundwater standard for both PCE and TCE is 5 ppb. Soil Vapor: Eleven soil vapor points were installed in the investigation area. The highest soil gas result at SV-104 was 4400 ug/m3 TCE and 2400 ug/m3 PCE on the south side of 40th Ave, across from MW-6. During the second set of sampling, the highest levels were also located at SV104, though the levels decreased to 1300 ug/m3 TCE and 590 ug/m3 PCE. Sub-slab and indoor air samples were completed in 4 structures. The highest sub-slab level was 9500 ug/m3 PCE and 7.2 ug/m3 in the indoor air. This structure was designated as Mitigate. One other was also designated as monitor/mitigate.

Health Problem: People may come into contact with contaminated groundwater or soil if they dig below the surface. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds may move

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

	into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air or buildings, is referred to as soil vapor intrusion. Environmental sampling indicates that actions are needed to address potential exposures to site related contaminants via soil vapor intrusion both on and off-site.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	3/15/2012 1:30:00 PM
Record Upd:	3/14/2018 10:47:00 AM
Updated By:	RECURLEY
Own Op:	4
Sub Type:	Not Reported
Owner Name:	Bridge Cleaners
Owner Company:	Bridge Cleaners
Owner Address:	39-26 30th Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Tienya Smith
Owner Company:	Queens Library
Owner Address:	Long Island CIty Branch
Owner Addr2:	37-44 21st Street
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	1
Sub Type:	Not Reported
Owner Name:	c/o Lillian Shi, Spring Cutting Inc.
Owner Company:	Zhong Chaung Properties LLC
Owner Address:	318 W. 39th St Fl 11
Owner Addr2:	Not Reported
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Florence Koulouris, District Manager
Owner Company:	Community Board 1 - Queens
Owner Address:	45-02 Ditmars Blvd, Suite 1025

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria,, NY 11105
Owner Country:	United States of America
Own Op:	4
Sub Type:	Not Reported
Owner Name:	Lillian Shi
Owner Company:	Spring Cutting Inc.
Owner Address:	318 W 39th St Fl 11
Owner Addr2:	Not Reported
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
HW Code:	241127
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	241127
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	Not Reported
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	7/1/2019 10:48:00 AM
Record Updated:	7/1/2019 10:48:00 AM
Updated By:	RECURLEY
Name:	BRIDGE CLEANERS
Address:	39-26 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Site Code:	440982
HW Code:	241127
Control Code:	35
Control Type:	ENG
Date Record Added:	09/17/2018
Date Rec Updated:	09/17/2018
Updated By:	RECURLEY
Site Description:	Location: The Bridge Cleaners site is located at 39-26 30th Street in Long Island City, an urban area. Site Features: A 7500 square foot one-story slab-on-grade building occupies the entire lot. It is occasionally occupied. Adjacent buildings to the north and west appear to contain residential units. To the south is a paved driveway used by the neighboring commercial structure. To the east is 30th street. Current Zoning and Land Use: The site is zoned M1-3/R7X (Manufacturing and Residential) under the special Long Island City Mixed Use District. The surrounding area is a mix of residential and commercial uses. The site is currently being used for fabric storage and fabric cutting. Past use of the Site: The site was occupied by a

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

commercial laundry and dry cleaner until 2011. Records indicate at least 10 years of use as a commercial dry-cleaner. Prior to that, the building was used as a distribution point for electrical components, bottled water and as a courier service. Operable Units: The site was divided into two operable units (OUs). An operable unit represents a portion of a remedial program for a site that, for technical or administrative reasons, can be addressed separately to investigate, eliminate or mitigate a release, threat of release or exposure pathway resulting from the site contamination. OU1 is the on-site area, consisting of a 75 x 100 foot lot totally enclosed by a one-story cement block building. OU2 is the off-site area. For OU2, the off-site investigation area encompasses is the sidewalks along from 39th Avenue to 40th Road, between 29th Street and 31st Street. Site Hydrology/Geology: The depth to groundwater near the site is about 18-22 feet. Soils in the area are primarily fine to medium sand with some traces of silt. One location indicated a clay layer at 6 to 9 feet below grade. In the larger OU2 investigation area, groundwater ranged from 11 to 30 feet below grade, with deeper groundwater closer to 29th Street, and shallower groundwater southeast of 30th Street. Operable Unit (OU) Numbers 01 and 02 are the subject of this document.

Env Problem:

NATURE AND EXTENT OF CONTAMINATION: For OU1: On-Site Areas Samples collected in 2009 on the property adjacent to the Bridge Cleaners site identified dry-cleaning related compounds trichloroethene (TCE) and tetrachloroethene (PCE) in the soil vapor and groundwater. There was no evidence of PCE use on the adjacent property, and the higher results were near the common property line. PCE was found at 910 ppb in groundwater along the common property boundary, decreasing to 120 ppb approximately 100 feet away. PCE was measured at 16,900 ug/m3 in the soil vapor. The groundwater standard for both PCE and TCE is 5 ppb. NYS was denied access to the building, and conducted an off-site investigation in February 2012. Elevated groundwater levels were found downgradient from the site (PCE 440 ppb, TCE 32 ppb). Soil: Soil samples in 2011, and later soil samples in 2014 found low level PCE contamination in soil. The highest soil sampled indicated 9.6 ppm PCE. The protection of groundwater standard and the unrestricted soil cleanup objective are both 1.3 ppm for PCE. Groundwater: Site groundwater was first sampled in 2011. The highest levels were obtained in 2011, with a maximum concentration of 1470 ppb PCE in

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

groundwater. In 2014, the PCE concentrations ranged from 165-340 ppb, in 2016 PCE ranged from 44 to 200 ppb. TCE was present at much lower levels (maximum of 14 ppb). The groundwater standard for both PCE and TCE is 5 ppb. Sampling in Nov 2018 and May 2019 indicated that PCE levels had dropped in 4 on-site wells, but that one well (GW-2) continued to show PCE at 240ppm, then at 210 ppm. The TCE level at this well decreased from 14 ppm to 4.1 ppm (maximum on-site concentration). Soil Vapor: Sub-slab soil vapor samples were taken in 2014. Results ranged up to 668,000 ug/m3 PCE and up to 2140 ug/m3 TCE. PCE in indoor air was 270 ug/m3. Sub-slab samples in 2016 resulted in similar levels (up to 543,000 ug/m3 PCE and up to 3750 ug/m3 TCE). In Nov 2018, post-construction soil vapor monitoring was conducted. The range of PCE in soil vapor was 69.8-1890 ug/m3 PCE, 3.1-72 ug/m3 TCE. OU2 Off-Site Investigation Area Soil: Based on soil results from the 2012 off-site characterization, soil samples were not included in the off-site scope of work. Groundwater: Eight groundwater wells were installed in addition to seven pre-existing sidewalk wells. Two rounds of sampling were completed. PCE was present at a maximum value of 369 ppb in MW-3. TCE was present at a maximum of 181 ppb in MW-3. Historically, MW-3 also contained the highest amount of PCE (440 ppb) during the 2012 site characterization. The groundwater standard for both PCE and TCE is 5 ppb. Soil Vapor: Eleven soil vapor points were installed in the investigation area. The highest soil gas result at SV-104 was 4400 ug/m3 TCE and 2400 ug/m3 PCE on the south side of 40th Ave, across from MW-6. During the second set of sampling, the highest levels were also located at SV104, though the levels decreased to 1300 ug/m3 TCE and 590 ug/m3 PCE. Sub-slab and indoor air samples were completed in 4 structures. The highest sub-slab level was 9500 ug/m3 PCE and 7.2 ug/m3 in the indoor air. This structure was designated as Mitigate. One other was also designated as monitor/mitigate.

Health Problem: People may come into contact with contaminated groundwater or soil if they dig below the surface. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

process, which is similar to the movement of radon gas from the subsurface into the indoor air or buildings, is referred to as soil vapor intrusion. Environmental sampling indicates that actions are needed to address potential exposures to site related contaminants via soil vapor intrusion both on and off-site.

Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	3/15/2012 1:30:00 PM
Record Upd:	3/14/2018 10:47:00 AM
Updated By:	RECURLEY
Own Op:	4
Sub Type:	Not Reported
Owner Name:	Bridge Cleaners
Owner Company:	Bridge Cleaners
Owner Address:	39-26 30th Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Tienya Smith
Owner Company:	Queens Library
Owner Address:	Long Island CIty Branch
Owner Addr2:	37-44 21st Street
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	1
Sub Type:	Not Reported
Owner Name:	c/o Lillian Shi, Spring Cutting Inc.
Owner Company:	Zhong Chaung Properties LLC
Owner Address:	318 W. 39th St Fl 11
Owner Addr2:	Not Reported
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Florence Koulouris, District Manager
Owner Company:	Community Board 1 - Queens
Owner Address:	45-02 Ditmars Blvd, Suite 1025
Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria,, NY 11105

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Owner Country:	United States of America
Own Op:	4
Sub Type:	Not Reported
Owner Name:	Lillian Shi
Owner Company:	Spring Cutting Inc.
Owner Address:	318 W 39th St Fl 11
Owner Addr2:	Not Reported
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
HW Code:	241127
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	241127
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	Not Reported
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	7/1/2019 10:48:00 AM
Record Updated:	7/1/2019 10:48:00 AM
Updated By:	RECURLEY

INST CONTROL: State and tribal institutional control / engineering control registries

Name:	BRIDGE CLEANERS
Address:	39-26 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Site Code:	440982
Control Name:	Monitoring Plan
HW Code:	241127
Control Code:	31
Control Type:	INST
Dt record added:	09/17/2018
Dt rec updated:	09/17/2018
Updated By:	RECURLEY
Site Code:	440982
Site Description:	Location: The Bridge Cleaners site is located at 39-26 30th Street in Long Island City, an urban area. Site Features: A 7500 square foot one-story slab-on-grade building occupies the entire lot. It is occasionally occupied. Adjacent buildings to the north and west appear to contain residential units. To the south is a paved driveway used by the neighboring commercial structure. To the east is 30th street. Current Zoning and Land Use: The site is zoned M1-3/R7X (Manufacturing and Residential) under the special Long Island City Mixed Use District. The surrounding area is a mix of residential and

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

commercial uses. The site is currently being used for fabric storage and fabric cutting. Past use of the Site: The site was occupied by a commercial laundry and dry cleaner until 2011. Records indicate at least 10 years of use as a commercial dry-cleaner. Prior to that, the building was used as a distribution point for electrical components, bottled water and as a courier service. Operable Units: The site was divided into two operable units (OUs). An operable unit represents a portion of a remedial program for a site that, for technical or administrative reasons, can be addressed separately to investigate, eliminate or mitigate a release, threat of release or exposure pathway resulting from the site contamination. OU1 is the on-site area, consisting of a 75 x 100 foot lot totally enclosed by a one-story cement block building. OU2 is the off-site area. For OU2, the off-site investigation area encompasses is the sidewalks along from 39th Avenue to 40th Road, between 29th Street and 31st Street. Site Hydrology/Geology: The depth to groundwater near the site is about 18-22 feet. Soils in the area are primarily fine to medium sand with some traces of silt. One location indicated a clay layer at 6 to 9 feet below grade. In the larger OU2 investigation area, groundwater ranged from 11 to 30 feet below grade, with deeper groundwater closer to 29th Street, and shallower groundwater southeast of 30th Street. Operable Unit (OU) Numbers 01 and 02 are the subject of this document.

Env Problem:

NATURE AND EXTENT OF CONTAMINATION: For OU1: On-Site Areas Samples collected in 2009 on the property adjacent to the Bridge Cleaners site identified dry-cleaning related compounds trichloroethene (TCE) and tetrachloroethene (PCE) in the soil vapor and groundwater. There was no evidence of PCE use on the adjacent property, and the higher results were near the common property line. PCE was found at 910 ppb in groundwater along the common property boundary, decreasing to 120 ppb approximately 100 feet away. PCE was measured at 16,900 ug/m3 in the soil vapor. The groundwater standard for both PCE and TCE is 5 ppb. NYS was denied access to the building, and conducted an off-site investigation in February 2012. Elevated groundwater levels were found downgradient from the site (PCE 440 ppb, TCE 32 ppb). Soil: Soil samples in 2011, and later soil samples in 2014 found low level PCE contamination in soil. The highest soil sampled indicated 9.6 ppm PCE. The protection of groundwater standard and the unrestricted soil cleanup objective are both 1.3 ppm for PCE. Groundwater: Site

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

groundwater was first sampled in 2011. The highest levels were obtained in 2011, with a maximum concentration of 1470 ppb PCE in groundwater. In 2014, the PCE concentrations ranged from 165-340 ppb, in 2016 PCE ranged from 44 to 200 ppb. TCE was present at much lower levels (maximum of 14 ppb). The groundwater standard for both PCE and TCE is 5 ppb. Sampling in Nov 2018 and May 2019 indicated that PCE levels had dropped in 4 on-site wells, but that one well (GW-2) continued to show PCE at 240ppm, then at 210 ppm. The TCE level at this well decreased from 14 ppm to 4.1 ppm (maximum on-site concentration). Soil Vapor: Sub-slab soil vapor samples were taken in 2014. Results ranged up to 668,000 ug/m3 PCE and up to 2140 ug/m3 TCE. PCE in indoor air was 270 ug/m3. Sub-slab samples in 2016 resulted in similar levels (up to 543,000 ug/m3 PCE and up to 3750 ug/m3 TCE). In Nov 2018, post-construction soil vapor monitoring was conducted. The range of PCE in soil vapor was 69.8-1890 ug/m3 PCE, 3.1-72 ug/m3 TCE. OU2 Off-Site Investigation Area Soil: Based on soil results from the 2012 off-site characterization, soil samples were not included in the off-site scope of work. Groundwater: Eight groundwater wells were installed in addition to seven pre-existing sidewalk wells. Two rounds of sampling were completed. PCE was present at a maximum value of 369 ppb in MW-3. TCE was present at a maximum of 181 ppb in MW-3. Historically, MW-3 also contained the highest amount of PCE (440 ppb) during the 2012 site characterization. The groundwater standard for both PCE and TCE is 5 ppb. Soil Vapor: Eleven soil vapor points were installed in the investigation area. The highest soil gas result at SV-104 was 4400 ug/m3 TCE and 2400 ug/m3 PCE on the south side of 40th Ave, across from MW-6. During the second set of sampling, the highest levels were also located at SV104, though the levels decreased to 1300 ug/m3 TCE and 590 ug/m3 PCE. Sub-slab and indoor air samples were completed in 4 structures. The highest sub-slab level was 9500 ug/m3 PCE and 7.2 ug/m3 in the indoor air. This structure was designated as Mitigate. One other was also designated as monitor/mitigate.

Health Problem: People may come into contact with contaminated groundwater or soil if they dig below the surface. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds may move

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

	into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air or buildings, is referred to as soil vapor intrusion. Environmental sampling indicates that actions are needed to address potential exposures to site related contaminants via soil vapor intrusion both on and off-site.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	3/15/2012 1:30:00 PM
Record Upd:	3/14/2018 10:47:00 AM
Updated By:	RECURLEY
Own Op:	4
Sub Type:	Not Reported
Owner Name:	Bridge Cleaners
Owner Company:	Bridge Cleaners
Owner Address:	39-26 30th Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Tienya Smith
Owner Company:	Queens Library
Owner Address:	Long Island CIty Branch
Owner Addr2:	37-44 21st Street
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	1
Sub Type:	Not Reported
Owner Name:	c/o Lillian Shi, Spring Cutting Inc.
Owner Company:	Zhong Chaung Properties LLC
Owner Address:	318 W. 39th St Fl 11
Owner Addr2:	Not Reported
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Florence Koulouris, District Manager
Owner Company:	Community Board 1 - Queens
Owner Address:	45-02 Ditmars Blvd, Suite 1025

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria,, NY 11105
Owner Country:	United States of America
Own Op:	4
Sub Type:	Not Reported
Owner Name:	Lillian Shi
Owner Company:	Spring Cutting Inc.
Owner Address:	318 W 39th St Fl 11
Owner Addr2:	Not Reported
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
HW Code:	241127
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	241127
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	Not Reported
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	7/1/2019 10:48:00 AM
Record Updated:	7/1/2019 10:48:00 AM
Updated By:	RECURLEY
Name:	BRIDGE CLEANERS
Address:	39-26 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Site Code:	440982
Control Name:	Ground Water Use Restriction
HW Code:	241127
Control Code:	8
Control Type:	INST
Dt record added:	09/17/2018
Dt rec updated:	09/17/2018
Updated By:	RECURLEY
Site Code:	440982
Site Description:	Location: The Bridge Cleaners site is located at 39-26 30th Street in Long Island City, an urban area. Site Features: A 7500 square foot one-story slab-on-grade building occupies the entire lot. It is occasionally occupied. Adjacent buildings to the north and west appear to contain residential units. To the south is a paved driveway used by the neighboring commercial structure. To the east is 30th street. Current Zoning and Land Use: The site is zoned M1-3/R7X (Manufacturing and Residential) under the special Long Island City Mixed Use District. The surrounding area is a mix of residential and

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

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Env Problem:

NATURE AND EXTENT OF CONTAMINATION: For OU1: On-Site Areas Samples collected in 2009 on the property adjacent to the Bridge Cleaners site identified dry-cleaning related compounds trichloroethene (TCE) and tetrachloroethene (PCE) in the soil vapor and groundwater. There was no evidence of PCE use on the adjacent property, and the higher results were near the common property line. PCE was found at 910 ppb in groundwater along the common property boundary, decreasing to 120 ppb approximately 100 feet away. PCE was measured at 16,900 ug/m3 in the soil vapor. The groundwater standard for both PCE and TCE is 5 ppb. NYS was denied access to the building, and conducted an off-site investigation in February 2012. Elevated groundwater levels were found downgradient from the site (PCE 440 ppb, TCE 32 ppb). Soil: Soil samples in 2011, and later soil samples in 2014 found low level PCE contamination in soil. The highest soil sampled indicated 9.6 ppm PCE. The protection of groundwater standard and the unrestricted soil cleanup objective are both 1.3 ppm for PCE. Groundwater: Site

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

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FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

	into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air or buildings, is referred to as soil vapor intrusion. Environmental sampling indicates that actions are needed to address potential exposures to site related contaminants via soil vapor intrusion both on and off-site.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	3/15/2012 1:30:00 PM
Record Upd:	3/14/2018 10:47:00 AM
Updated By:	RECURLEY
Own Op:	4
Sub Type:	Not Reported
Owner Name:	Bridge Cleaners
Owner Company:	Bridge Cleaners
Owner Address:	39-26 30th Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Tienya Smith
Owner Company:	Queens Library
Owner Address:	Long Island CIty Branch
Owner Addr2:	37-44 21st Street
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	1
Sub Type:	Not Reported
Owner Name:	c/o Lillian Shi, Spring Cutting Inc.
Owner Company:	Zhong Chaung Properties LLC
Owner Address:	318 W. 39th St Fl 11
Owner Addr2:	Not Reported
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
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Sub Type:	NNN
Owner Name:	Florence Koulouris, District Manager
Owner Company:	Community Board 1 - Queens
Owner Address:	45-02 Ditmars Blvd, Suite 1025

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria,, NY 11105
Owner Country:	United States of America
Own Op:	4
Sub Type:	Not Reported
Owner Name:	Lillian Shi
Owner Company:	Spring Cutting Inc.
Owner Address:	318 W 39th St Fl 11
Owner Addr2:	Not Reported
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
HW Code:	241127
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	241127
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	Not Reported
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	7/1/2019 10:48:00 AM
Record Updated:	7/1/2019 10:48:00 AM
Updated By:	RECURLEY
Name:	BRIDGE CLEANERS
Address:	39-26 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Site Code:	440982
Control Name:	Site Management Plan
HW Code:	241127
Control Code:	32
Control Type:	INST
Dt record added:	09/17/2018
Dt rec updated:	09/17/2018
Updated By:	RECURLEY
Site Code:	440982
Site Description:	Location: The Bridge Cleaners site is located at 39-26 30th Street in Long Island City, an urban area. Site Features: A 7500 square foot one-story slab-on-grade building occupies the entire lot. It is occasionally occupied. Adjacent buildings to the north and west appear to contain residential units. To the south is a paved driveway used by the neighboring commercial structure. To the east is 30th street. Current Zoning and Land Use: The site is zoned M1-3/R7X (Manufacturing and Residential) under the special Long Island City Mixed Use District. The surrounding area is a mix of residential and

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FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

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Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	3/15/2012 1:30:00 PM
Record Upd:	3/14/2018 10:47:00 AM
Updated By:	RECURLEY
Own Op:	4
Sub Type:	Not Reported
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Owner Company:	Bridge Cleaners
Owner Address:	39-26 30th Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY
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Sub Type:	NNN
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Owner Address:	45-02 Ditmars Blvd, Suite 1025

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria,, NY 11105
Owner Country:	United States of America
Own Op:	4
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Owner Name:	Lillian Shi
Owner Company:	Spring Cutting Inc.
Owner Address:	318 W 39th St Fl 11
Owner Addr2:	Not Reported
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
HW Code:	241127
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
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Waste Type:	trichloroethene (TCE)
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Crossref ID:	Not Reported
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Cross Ref Type:	County Recording Identifier
Record Added Date:	7/1/2019 10:48:00 AM
Record Updated:	7/1/2019 10:48:00 AM
Updated By:	RECURLEY
Name:	BRIDGE CLEANERS
Address:	39-26 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Site Code:	440982
Control Name:	O&M Plan
HW Code:	241127
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Dt record added:	09/17/2018
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Env Problem:

NATURE AND EXTENT OF CONTAMINATION: For OU1: On-Site Areas Samples collected in 2009 on the property adjacent to the Bridge Cleaners site identified dry-cleaning related compounds trichloroethene (TCE) and tetrachloroethene (PCE) in the soil vapor and groundwater. There was no evidence of PCE use on the adjacent property, and the higher results were near the common property line. PCE was found at 910 ppb in groundwater along the common property boundary, decreasing to 120 ppb approximately 100 feet away. PCE was measured at 16,900 ug/m3 in the soil vapor. The groundwater standard for both PCE and TCE is 5 ppb. NYS was denied access to the building, and conducted an off-site investigation in February 2012. Elevated groundwater levels were found downgradient from the site (PCE 440 ppb, TCE 32 ppb). Soil: Soil samples in 2011, and later soil samples in 2014 found low level PCE contamination in soil. The highest soil sampled indicated 9.6 ppm PCE. The protection of groundwater standard and the unrestricted soil cleanup objective are both 1.3 ppm for PCE. Groundwater: Site

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

groundwater was first sampled in 2011. The highest levels were obtained in 2011, with a maximum concentration of 1470 ppb PCE in groundwater. In 2014, the PCE concentrations ranged from 165-340 ppb, in 2016 PCE ranged from 44 to 200 ppb. TCE was present at much lower levels (maximum of 14 ppb). The groundwater standard for both PCE and TCE is 5 ppb. Sampling in Nov 2018 and May 2019 indicated that PCE levels had dropped in 4 on-site wells, but that one well (GW-2) continued to show PCE at 240ppm, then at 210 ppm. The TCE level at this well decreased from 14 ppm to 4.1 ppm (maximum on-site concentration). Soil Vapor: Sub-slab soil vapor samples were taken in 2014. Results ranged up to 668,000 ug/m3 PCE and up to 2140 ug/m3 TCE. PCE in indoor air was 270 ug/m3. Sub-slab samples in 2016 resulted in similar levels (up to 543,000 ug/m3 PCE and up to 3750 ug/m3 TCE). In Nov 2018, post-construction soil vapor monitoring was conducted. The range of PCE in soil vapor was 69.8-1890 ug/m3 PCE, 3.1-72 ug/m3 TCE. OU2 Off-Site Investigation Area Soil: Based on soil results from the 2012 off-site characterization, soil samples were not included in the off-site scope of work. Groundwater: Eight groundwater wells were installed in addition to seven pre-existing sidewalk wells. Two rounds of sampling were completed. PCE was present at a maximum value of 369 ppb in MW-3. TCE was present at a maximum of 181 ppb in MW-3. Historically, MW-3 also contained the highest amount of PCE (440 ppb) during the 2012 site characterization. The groundwater standard for both PCE and TCE is 5 ppb. Soil Vapor: Eleven soil vapor points were installed in the investigation area. The highest soil gas result at SV-104 was 4400 ug/m3 TCE and 2400 ug/m3 PCE on the south side of 40th Ave, across from MW-6. During the second set of sampling, the highest levels were also located at SV104, though the levels decreased to 1300 ug/m3 TCE and 590 ug/m3 PCE. Sub-slab and indoor air samples were completed in 4 structures. The highest sub-slab level was 9500 ug/m3 PCE and 7.2 ug/m3 in the indoor air. This structure was designated as Mitigate. One other was also designated as monitor/mitigate.

Health Problem: People may come into contact with contaminated groundwater or soil if they dig below the surface. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds may move

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

	into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air or buildings, is referred to as soil vapor intrusion. Environmental sampling indicates that actions are needed to address potential exposures to site related contaminants via soil vapor intrusion both on and off-site.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	3/15/2012 1:30:00 PM
Record Upd:	3/14/2018 10:47:00 AM
Updated By:	RECURLEY
Own Op:	4
Sub Type:	Not Reported
Owner Name:	Bridge Cleaners
Owner Company:	Bridge Cleaners
Owner Address:	39-26 30th Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Tienya Smith
Owner Company:	Queens Library
Owner Address:	Long Island CIty Branch
Owner Addr2:	37-44 21st Street
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	1
Sub Type:	Not Reported
Owner Name:	c/o Lillian Shi, Spring Cutting Inc.
Owner Company:	Zhong Chaung Properties LLC
Owner Address:	318 W. 39th St Fl 11
Owner Addr2:	Not Reported
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Florence Koulouris, District Manager
Owner Company:	Community Board 1 - Queens
Owner Address:	45-02 Ditmars Blvd, Suite 1025

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria,, NY 11105
Owner Country:	United States of America
Own Op:	4
Sub Type:	Not Reported
Owner Name:	Lillian Shi
Owner Company:	Spring Cutting Inc.
Owner Address:	318 W 39th St Fl 11
Owner Addr2:	Not Reported
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
HW Code:	241127
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	241127
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	Not Reported
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	7/1/2019 10:48:00 AM
Record Updated:	7/1/2019 10:48:00 AM
Updated By:	RECURLEY
Name:	BRIDGE CLEANERS
Address:	39-26 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Site Code:	440982
Control Name:	Environmental Easement
HW Code:	241127
Control Code:	Not Reported
Control Type:	INST
Dt record added:	09/17/2018
Dt rec updated:	09/17/2018
Updated By:	RECURLEY
Site Code:	440982
Site Description:	Location: The Bridge Cleaners site is located at 39-26 30th Street in Long Island City, an urban area. Site Features: A 7500 square foot one-story slab-on-grade building occupies the entire lot. It is occasionally occupied. Adjacent buildings to the north and west appear to contain residential units. To the south is a paved driveway used by the neighboring commercial structure. To the east is 30th street. Current Zoning and Land Use: The site is zoned M1-3/R7X (Manufacturing and Residential) under the special Long Island City Mixed Use District. The surrounding area is a mix of residential and

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

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Env Problem:

NATURE AND EXTENT OF CONTAMINATION: For OU1: On-Site Areas Samples collected in 2009 on the property adjacent to the Bridge Cleaners site identified dry-cleaning related compounds trichloroethene (TCE) and tetrachloroethene (PCE) in the soil vapor and groundwater. There was no evidence of PCE use on the adjacent property, and the higher results were near the common property line. PCE was found at 910 ppb in groundwater along the common property boundary, decreasing to 120 ppb approximately 100 feet away. PCE was measured at 16,900 ug/m3 in the soil vapor. The groundwater standard for both PCE and TCE is 5 ppb. NYS was denied access to the building, and conducted an off-site investigation in February 2012. Elevated groundwater levels were found downgradient from the site (PCE 440 ppb, TCE 32 ppb). Soil: Soil samples in 2011, and later soil samples in 2014 found low level PCE contamination in soil. The highest soil sampled indicated 9.6 ppm PCE. The protection of groundwater standard and the unrestricted soil cleanup objective are both 1.3 ppm for PCE. Groundwater: Site

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

groundwater was first sampled in 2011. The highest levels were obtained in 2011, with a maximum concentration of 1470 ppb PCE in groundwater. In 2014, the PCE concentrations ranged from 165-340 ppb, in 2016 PCE ranged from 44 to 200 ppb. TCE was present at much lower levels (maximum of 14 ppb). The groundwater standard for both PCE and TCE is 5 ppb. Sampling in Nov 2018 and May 2019 indicated that PCE levels had dropped in 4 on-site wells, but that one well (GW-2) continued to show PCE at 240ppm, then at 210 ppm. The TCE level at this well decreased from 14 ppm to 4.1 ppm (maximum on-site concentration). Soil Vapor: Sub-slab soil vapor samples were taken in 2014. Results ranged up to 668,000 ug/m3 PCE and up to 2140 ug/m3 TCE. PCE in indoor air was 270 ug/m3. Sub-slab samples in 2016 resulted in similar levels (up to 543,000 ug/m3 PCE and up to 3750 ug/m3 TCE). In Nov 2018, post-construction soil vapor monitoring was conducted. The range of PCE in soil vapor was 69.8-1890 ug/m3 PCE, 3.1-72 ug/m3 TCE. OU2 Off-Site Investigation Area Soil: Based on soil results from the 2012 off-site characterization, soil samples were not included in the off-site scope of work. Groundwater: Eight groundwater wells were installed in addition to seven pre-existing sidewalk wells. Two rounds of sampling were completed. PCE was present at a maximum value of 369 ppb in MW-3. TCE was present at a maximum of 181 ppb in MW-3. Historically, MW-3 also contained the highest amount of PCE (440 ppb) during the 2012 site characterization. The groundwater standard for both PCE and TCE is 5 ppb. Soil Vapor: Eleven soil vapor points were installed in the investigation area. The highest soil gas result at SV-104 was 4400 ug/m3 TCE and 2400 ug/m3 PCE on the south side of 40th Ave, across from MW-6. During the second set of sampling, the highest levels were also located at SV104, though the levels decreased to 1300 ug/m3 TCE and 590 ug/m3 PCE. Sub-slab and indoor air samples were completed in 4 structures. The highest sub-slab level was 9500 ug/m3 PCE and 7.2 ug/m3 in the indoor air. This structure was designated as Mitigate. One other was also designated as monitor/mitigate.

Health Problem: People may come into contact with contaminated groundwater or soil if they dig below the surface. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds may move

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

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Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	3/15/2012 1:30:00 PM
Record Upd:	3/14/2018 10:47:00 AM
Updated By:	RECURLEY
Own Op:	4
Sub Type:	Not Reported
Owner Name:	Bridge Cleaners
Owner Company:	Bridge Cleaners
Owner Address:	39-26 30th Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Tienya Smith
Owner Company:	Queens Library
Owner Address:	Long Island CIty Branch
Owner Addr2:	37-44 21st Street
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	1
Sub Type:	Not Reported
Owner Name:	c/o Lillian Shi, Spring Cutting Inc.
Owner Company:	Zhong Chaung Properties LLC
Owner Address:	318 W. 39th St Fl 11
Owner Addr2:	Not Reported
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
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Sub Type:	NNN
Owner Name:	Florence Koulouris, District Manager
Owner Company:	Community Board 1 - Queens
Owner Address:	45-02 Ditmars Blvd, Suite 1025

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria,, NY 11105
Owner Country:	United States of America
Own Op:	4
Sub Type:	Not Reported
Owner Name:	Lillian Shi
Owner Company:	Spring Cutting Inc.
Owner Address:	318 W 39th St Fl 11
Owner Addr2:	Not Reported
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
HW Code:	241127
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	241127
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	Not Reported
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	7/1/2019 10:48:00 AM
Record Updated:	7/1/2019 10:48:00 AM
Updated By:	RECURLEY
Name:	BRIDGE CLEANERS
Address:	39-26 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Site Code:	440982
Control Name:	IC/EC Plan
HW Code:	241127
Control Code:	34
Control Type:	INST
Dt record added:	09/17/2018
Dt rec updated:	09/17/2018
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Site Code:	440982
Site Description:	Location: The Bridge Cleaners site is located at 39-26 30th Street in Long Island City, an urban area. Site Features: A 7500 square foot one-story slab-on-grade building occupies the entire lot. It is occasionally occupied. Adjacent buildings to the north and west appear to contain residential units. To the south is a paved driveway used by the neighboring commercial structure. To the east is 30th street. Current Zoning and Land Use: The site is zoned M1-3/R7X (Manufacturing and Residential) under the special Long Island City Mixed Use District. The surrounding area is a mix of residential and

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Env Problem:

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FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

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Health Problem: People may come into contact with contaminated groundwater or soil if they dig below the surface. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds may move

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

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Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	3/15/2012 1:30:00 PM
Record Upd:	3/14/2018 10:47:00 AM
Updated By:	RECURLEY
Own Op:	4
Sub Type:	Not Reported
Owner Name:	Bridge Cleaners
Owner Company:	Bridge Cleaners
Owner Address:	39-26 30th Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Tienya Smith
Owner Company:	Queens Library
Owner Address:	Long Island CIty Branch
Owner Addr2:	37-44 21st Street
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	1
Sub Type:	Not Reported
Owner Name:	c/o Lillian Shi, Spring Cutting Inc.
Owner Company:	Zhong Chaung Properties LLC
Owner Address:	318 W. 39th St Fl 11
Owner Addr2:	Not Reported
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Florence Koulouris, District Manager
Owner Company:	Community Board 1 - Queens
Owner Address:	45-02 Ditmars Blvd, Suite 1025

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria,, NY 11105
Owner Country:	United States of America
Own Op:	4
Sub Type:	Not Reported
Owner Name:	Lillian Shi
Owner Company:	Spring Cutting Inc.
Owner Address:	318 W 39th St Fl 11
Owner Addr2:	Not Reported
Owner City,St,Zip:	New York, NY 10018
Owner Country:	United States of America
HW Code:	241127
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	241127
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	Not Reported
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	7/1/2019 10:48:00 AM
Record Updated:	7/1/2019 10:48:00 AM
Updated By:	RECURLEY

BROWNFIELDS: State and tribal Brownfields sites

Name:	BRIDGE CLEANERS - OFF-SITE
Address:	39-26 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Program:	BCP
Site Code:	480014
Acres:	Not Reported
HW Code:	C241127A
SWIS:	4101
Town:	New York City
Record Added Date:	03/21/2013
Record Updated Date:	05/31/2017
Update By:	BXANDERS
Site Description:	LOCATION: This is an off-site investigation of the area downgradient of the Bridge Cleaners site, Site Number C241127, which located at 39-26 30th Street in Long Island City, an urban area. SITE FEATURES: The investigation area encompasses sidewalks along 29th Street from 39th Ave to 40th Road, along 30th Street from 39th Avenue to approximately 40th Ave, and along 40th Ave to 31st Street. CURRENT ZONING: This section of Long Island City is zoned Special Purpose District which allows mixed residential and commercial use. The

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

specific designation for the site is M1-3/R7X. Buildings within the city block are primarily commercial. There are residential units including a three story apt building along 29th Street. The downgradient block also contains a limited number of residential buildings.Recent construction in the area includes a self-storage facility and hotels. HISTORICAL USES: This area of Long Island City has historically included mixed residential and light manufacturing. Formerly the area included a printing operation, commercial laundry and drycleaner, wire die manufacturer, gas station, and distribution points for a variety of products. SITE HYDROLOGY/GEOLOGY: Groundwater elevation levels vary from 11.04 AMSL to 10.01 AMSL, which is about 20 feet below land surface in the vicinity of the site. Soils in the area are expected to be primarily sand and silty sand. C241127A projects for the off-site portion of this site are being tracked under site 241127 OU2.

Env Problem:

NATURE AND EXTENT OF CONTAMINATION: In October 2010, a property location in this block was identified as a potential site (P-site) due to soil vapor and groundwater results collected by an adjacent property owner. After unsuccessfully attempting to obtain access for a more thorough investigation, NYSDEC conducted a limited offsite investigation in February 2012. Groundwater and soil samples were taken. Based on this investigation, the Bridge Cleaners Site (C241127) was determined to be causing a significant threat to public health and the environment. The site entered the NYS Brownfield Cleanup Program and remained in the Program until December 2016. Groundwater: Groundwater elevations show groundwater flow from northeast to southwest. Concentrations of tetrachloroethylene (PCE) and trichloroethylene (TCE) upgradient of the site were approximately 21 ppb and 1 ppb respectively. Downgradient concentrations were 440 ppb and 32 ppb respectively. The groundwater standard for both PCE and TCE is 5 ppb. Soil: One of 14 soil samples, at a side gradient monitoring well MW-4, contained PCE at 3.3 ppm. The depth of this contamination was 29-30 feet below grade. Scope of Off-Site Investigation 2016: This 2016 Remedial Investigation will define the nature and extent of contamination emanating from the Bridge Cleaners Site in groundwater, soil vapor and any other parts of the environment that may be affected. Shallow and deep groundwater wells will be installed upgradient and downgradient of the Bridge Cleaners

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

site (C241127). After well installation, two sets of samples will be collected. Based on the initial sampling, groundwater samples will be collected for Compound Specific Isotope Analysis (CSIA). This analysis will be used to determine whether the source of the Tetrachloroethene (PCE) and Trichloroethene (TCE) groundwater contamination is exclusively from the Bridge Cleaners site or from other sources in the immediate area. Eleven soil vapor samples will also be collected initially. After the results are obtained, the Department may request access from owners of eight structures along 29th Street for sub-slab and indoor air sampling. OU2 Off-Site Investigation Results Soil: Groundwater: Eight groundwater wells were installed in addition to seven pre-existing sidewalk wells. Two rounds of sampling were completed. PCE was present at a maximum value of 389 ppb in MW-3. TCE was present at a maximum of 181 ppb in MW-3. Historically, MW-3 also contained the highest amount of PCE (440 ppb) during the 2012 site characterization. The groundwater standard for both PCE and TCE is 5 ppb. PCE and TCE were not observed in the 4 deep wells installed. Soil Vapor: Eleven soil vapor points were installed in the investigation area. The highest soil gas result at SV-104 was 4400 ug/m3 TCE and 2400 ug/m3 PCE on the south side of 40th Ave, across from MW-6. During the second set of sampling, the highest levels were also located at SV104, though the levels decreased to 1300 ug/m3 TCE and 590 ug/m3 PCE. Sub-slab and indoor air samples were completed in 4 structures. The highest sub-slab level was 9500 ug/m3 PCE and 7.2 ug/m3 in the indoor air. This structure was designated as Mitigate. One other was also designated as mitigate. C241127A projects for the off-site portion of this site are being tracked under site 241127 OU2.

Health Problem: People may come into contact with contaminated groundwater or soil if they dig below the surface. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air or buildings, is referred to as soil vapor intrusion. Environmental sampling indicates that actions are

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

	needed to address potential exposures to site related contaminants via soil vapor intrusion both on and off-site.
Dump:	Not Reported
Structure:	Not Reported
Lagoon:	Not Reported
Landfill:	Not Reported
Pond:	Not Reported
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	Not Reported
Record Upd:	Not Reported
Updated By:	Not Reported
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Florence Koulouris
Owner Company:	Community Board 1- Queens
Owner Address:	45-02 Ditmars Ave, Suite 1025
Owner Addr2:	Not Reported
Owner City,St,Zip:	Astoria, NY 11105
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Tienya Smith
Owner Company:	Queens Library - Long Island City Branch
Owner Address:	37-44 21st Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	Not Reported
Waste Quantity:	Not Reported
Waste Code:	Not Reported
Crossref ID:	Not Reported
Cross Ref Type Code:	Not Reported
Cross Ref Type:	Not Reported
Record Added Date:	Not Reported
Record Updated:	Not Reported
Updated By:	Not Reported
Name:	BRIDGE CLEANERS
Address:	39-26 30TH STREET
City,State,Zip:	LONG ISLAND CITY, NY 11101
Program:	BCP
Site Code:	464609
Acres:	0.173
HW Code:	C241127
SWIS:	4101
Town:	New York City

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Record Added Date:	05/25/2012
Record Updated Date:	03/01/2018
Update By:	MJKOMORO
Site Description:	Location: The Bridge Cleaners site is located at 39-26 30th Street in Long Island City, an urban area. Site Features: A 7500 square foot one-story slab-on-grade building occupies the entire lot. Adjacent buildings to the north and west appear to contain residential units. To the south is a paved driveway used by the neighboring commercial structure. To the east is 30th street. Current Zoning and Land Use: The site is zoned M1-3/R7X (Manufacturing and Residential) under the special Long Island City Mixed Use District. The surrounding area is a mix of residential and commercial uses. Past use of the Site: The site was occupied by a commercial laundry and dry cleaner until 2011. Records indicate at least 10 years of use as a commercial dry-cleaner. Prior to that, the building was used as a distribution point for electrical components, bottled water and a courier service. Site Hydrology/Geology: The depth to groundwater near the site is about 18-22 feet. Soils in the area are primarily fine to medium sand with some traces of silt. One location indicated a clay layer at 6 to 9 feet below grade.
Env Problem:	NATURE AND EXTENT OF CONTAMINATION: Samples collected in 2009 on the property adjacent to the Bridge Cleaners site identified dry-cleaning related compounds trichloroethene (TCE)and tetrachloroethene (PCE) in the soil vapor and groundwater. There was no evidence of PCE use on the adjacent property. The higher results were closer to the common property line. PCE was found at 910 ppb in groundwater along the common property boundary, decreasing to 120 ppb approximately 100 feet away. PCE was measured at 16,900 ug/m3 in the soil vapor. The groundwater standard for both PCE and TCE is 5 ppb. In April 2011, the site operator obtained 2 soil samples from beneath the Bridge Cleaners slab and found tetrachloroethene (PCE) at 3.45 ppm and 0.757 ppm. The unrestricted soil cleanup objective is 1.3ppm for PCE. In September 2011, the owner independently obtained samples of soils and groundwater under the building,and provided results to DEC in November 2011. The three groundwater results under the building were 537 ppb, 841 ppb and 1470 ppb PCE. Fifteen soil samples were below the unrestricted soil cleanup objectives for PCE. Groundwater samples also contained TCE in the 11-12.5 ppb range. After unsuccessfully attempting to obtain site access for a more thorough investigation,

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

NYSDEC conducted an offsite investigation in February 2012. Groundwater elevations show groundwater flow from northeast to southwest. Concentrations of PCE and TCE upgradient of the site were approximately 21 ppb and 1 ppb respectively. Downgradient concentrations were 440 ppb and 32 ppb respectively. One of 14 soil samples, at side gradient monitoring well MW-4, contained PCE at 3.3 ppm. The depth of this contamination was 29-30 feet below grade, and below the water table at 25.5 feet. In the first quarter of 2014, after entering the Brownfield Program, additional groundwater, soil and soil vapor samples were obtained from within the building. Five groundwater samples ranged from 165 to 340 ppb for PCE, and TCE concentrations from 2-7 ppb. Soil samples obtained from the same 5 locations did not exceed unrestricted soil cleanup objectives. Sub-slab soil vapor, however, ranged from approximately 20,000 ug/m3 to 668,000 ug/m3 below the slab (PCE) and up to 2140 ug/m3 TCE. PCE in indoor air was 270 ug/m3. Based on the soil vapor results, there is a need to mitigate the building. In Nov 2014, a new consultant was hired by the BCP applicant. Soil in the NW corner of the building was found at 1.8-9.6 ppm (exceeding the protection of groundwater SCOs) for PCE (1.3ppm). An IRM design has been developed to address the source area.

Health Problem: People may come into contact with contaminated groundwater or soil if they dig below the surface. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air or buildings, is referred to as soil vapor intrusion. Environmental sampling indicates that actions are needed to address potential exposures to site related contaminants via soil vapor intrusion both on and off-site.

Dump: Not Reported
Structure: Not Reported
Lagoon: Not Reported
Landfill: Not Reported
Pond: Not Reported
Disp Start: Not Reported

FRESH CLEANERS & LAUNDRY INC, 39-26 30TH ST, LONG ISLAND CITY, NY 11101 (Continued)

Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	Not Reported
Record Upd:	Not Reported
Updated By:	Not Reported
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	Queens Library
Owner Address:	37-44 21 Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
Own Op:	6
Sub Type:	P03
Owner Name:	c/o Periconi LLC
Owner Company:	Zhong Chuang Properties LLC
Owner Address:	260 Madison Avenue, 17th Fl.
Owner Addr2:	Not Reported
Owner City,St,Zip:	New York, NY 10016
Owner Country:	United States of America
Own Op:	1
Sub Type:	P03
Owner Name:	Qi Hong Lin
Owner Company:	Zhong Chuang Properties LLC
Owner Address:	37-24 30th Street
Owner Addr2:	Not Reported
Owner City,St,Zip:	Long Island City, NY 11101
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	Not Reported
Waste Quantity:	Not Reported
Waste Code:	Not Reported
Crossref ID:	Not Reported
Cross Ref Type Code:	Not Reported
Cross Ref Type:	Not Reported
Record Added Date:	Not Reported
Record Updated:	Not Reported
Updated By:	Not Reported

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	12/30/2020	01/14/2021	02/09/2021
US	Proposed NPL	Proposed National Priority List Sites	EPA	12/30/2020	01/14/2021	02/09/2021
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	12/30/2020	01/14/2021	02/18/2021
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	12/14/2020	12/17/2020	12/22/2020
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/14/2020	12/17/2020	12/22/2020
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/14/2020	12/17/2020	12/22/2020
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/14/2020	12/17/2020	12/22/2020
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	12/14/2020	12/17/2020	12/22/2020
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	02/09/2021	02/11/2021	03/22/2021
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	10/28/2020	11/05/2020	11/18/2020
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	10/28/2020	11/05/2020	11/18/2020
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	12/14/2020	12/15/2020	12/22/2020
State and tribal - equivalent CERCLIS						
NY	SHWS	Inactive Hazardous Waste Disposal Sites in New York State	Department of Environmental Conservation	11/09/2020	11/11/2020	01/27/2021
State and tribal landfill / solid waste disposal						
NY	SWF/LF	Facility Register	Department of Environmental Conservation	09/30/2020	10/30/2020	12/31/2020
State and tribal leaking storage tank lists						
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	11/12/2020	12/16/2020	03/12/2021
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/07/2020	12/16/2020	03/12/2021
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	09/30/2020	12/22/2020	03/12/2021
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/02/2020	12/18/2020	03/12/2021
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/01/2020	12/16/2020	03/12/2021
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/08/2020	05/20/2020	08/12/2020
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/09/2020	12/16/2020	03/12/2021
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/01/2020	12/16/2020	03/12/2021
NY	LTANKS	Spills Information Database	Department of Environmental Conservation	11/09/2020	11/11/2020	01/19/2021
NY	HIST LTANKS	Listing of Leaking Storage Tanks	Department of Environmental Conservation	01/01/2002	07/08/2005	07/14/2005

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
State and tribal registered storage tank lists						
NY	TANKS	Storage Tank Faciliy Listing	Department of Environmental Conservation	12/17/2020	12/18/2020	03/10/2021
NY	UST	Petroleum Bulk Storage (PBS) Database	Department of Environmental Conservation	12/17/2020	12/18/2020	03/10/2021
NY	CBS UST	Chemical Bulk Storage 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	AST	Petroleum Bulk Storage	Department of Environmental Conservation	12/17/2020	12/18/2020	03/10/2021
NY	CBS AST	Chemical Bulk Storage Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	MOSF AST	Major Oil Storage Facilities Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	CBS	Chemical Bulk Storage Site Listing	Department of Environmental Conservation	12/17/2020	12/18/2020	03/10/2021
NY	MOSF	Major Oil Storage Facility Site Listing	Department of Environmental Conservation	12/17/2020	12/18/2020	03/10/2021
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/09/2020	12/16/2020	03/12/2021
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/08/2020	05/20/2020	08/12/2020
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/07/2020	12/16/2020	03/12/2021
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	09/30/2020	12/22/2020	03/12/2021
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/01/2020	12/16/2020	03/12/2021
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/01/2020	12/16/2020	03/12/2021
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/02/2020	12/18/2020	03/12/2021
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	11/12/2020	12/16/2020	03/12/2021
US	FEMA UST	Underground Storage Tank Listing	FEMA	01/29/2021	02/17/2021	03/22/2021
State and tribal institutional control / engineering control registries						
NY	ENV RES DECL	Environmental Restrictive Declarations	New York City Department of City Planning	11/19/2020	12/17/2020	03/05/2021
NY	RES DECL	Restrictive Declarations Listing	NYC Department of City Planning	11/19/2020	12/14/2020	03/04/2021
NY	ENG CONTROLS	Registry of Engineering Controls	Department of Environmental Conservation	11/09/2020	11/11/2020	01/27/2021
NY	INST CONTROL	Registry of Institutional Controls	Department of Environmental Conservation	11/09/2020	11/11/2020	01/27/2021
State and tribal voluntary cleanup sites						
NY	VCP NYC	Voluntary Cleanup Program Listing NYC	New York City Office of Environmental Protect	01/18/2021	01/20/2021	03/04/2021
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
NY	VCP	Voluntary Cleanup Agreements	Department of Environmental Conservation	11/09/2020	11/11/2020	01/27/2021
State and tribal Brownfields sites						
NY	BROWNFIELDS	Brownfields Site List	Department of Environmental Conservation	11/09/2020	11/11/2020	01/27/2021
NY	ERP	Environmental Restoration Program Listing	Department of Environmental Conservation	11/09/2020	11/11/2020	01/27/2021
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2020	01/13/2021	03/22/2021
US	ROD	Records Of Decision	EPA	12/30/2020	01/14/2021	02/18/2021
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	12/30/2020	01/14/2021	02/18/2021
NY	DEL SHWS	Delisted Registry Sites	Department of Environmental Conservation	11/09/2020	11/11/2020	01/27/2021
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
NY	SWRCY	Registered Recycling Facility List	Department of Environmental Conservation	09/30/2020	10/30/2020	12/31/2020
NY	SWTIRE	Registered Waste Tire Storage & Facility List	Department of Environmental Conservation	02/27/2018	04/06/2018	06/08/2018
NY	HIST UST	Historical Petroleum Bulk Storage Database	Department of Environmental Conservation	01/01/2002	06/02/2006	07/20/2006
NY	HIST AST	Historical Petroleum Bulk Storage Database	Department of Environmental Conservation	01/01/2002	06/02/2006	07/20/2006

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2019	12/01/2020	02/09/2021
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	12/07/2020	12/09/2020	03/02/2021
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	12/30/2020	01/14/2021	02/09/2021
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	08/08/2017	09/11/2018	09/14/2018
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	12/14/2020	12/17/2020	03/12/2021
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	Delisted NPL	National Priority List Deletions	EPA	12/30/2020	01/14/2021	02/09/2021
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	12/30/2020	01/14/2021	02/18/2021
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	12/14/2020	12/17/2020	12/22/2020
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	12/16/2020	12/17/2020	03/12/2021
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	12/07/2020	12/09/2020	03/02/2021
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	12/11/2020	12/11/2020	03/02/2021
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	09/29/2020	11/17/2020	01/25/2021
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	11/24/2020	11/30/2020	01/25/2021
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	11/03/2020	11/23/2020	01/25/2021
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	PRP	Potentially Responsible Parties	EPA	12/30/2020	01/14/2021	03/05/2021
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	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	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	SSTS	Section 7 Tracking Systems	EPA	01/20/2021	01/21/2021	03/22/2021
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	11/19/2020	01/08/2021	03/22/2021
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/05/2020	08/10/2020	10/08/2020
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	11/04/2020	12/01/2020	01/25/2021
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	11/02/2020	11/12/2020	01/25/2021
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2017	06/22/2020	11/20/2020
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
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	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	12/11/2020	12/11/2020	03/02/2021
NY	AIRS	Air Emissions Data	Department of Environmental Conservation	02/05/2021	02/09/2021	02/17/2021
NY	COAL ASH	Coal Ash Disposal Site Listing	Department of Environmental Conservation	09/30/2020	09/30/2020	12/21/2020
NY	DRYCLEANERS	Registered Drycleaners	Department of Environmental Conservation	12/02/2020	12/09/2020	12/16/2020
NY	E DESIGNATION	E DESIGNATION SITE LISTING	New York City Department of City Planning	11/19/2020	12/17/2020	03/05/2021
NY	Financial Assurance 1	Financial Assurance Information Listing	Department of Environmental Conservation	10/07/2020	10/08/2020	12/30/2020
NY	Financial Assurance 2	Financial Assurance Information Listing	Department of Environmental Conservation	06/11/2020	06/16/2020	09/02/2020
NY	HIST SPILLS	SPILLS Database	Department of Environmental Conservation	01/01/2002	07/08/2005	07/14/2005
NY	HSWDS	Hazardous Substance Waste Disposal Site Inventory	Department of Environmental Conservation	01/01/2003	10/20/2006	11/30/2006
NY	LIENS	Spill Liens Information	Office of the State Comptroller	10/30/2020	10/30/2020	11/02/2020
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	01/01/2019	04/29/2020	07/10/2020
NY	SPDES	State Pollutant Discharge Elimination System	Department of Environmental Conservation	02/11/2021	02/18/2021	03/12/2021
NY	SPILLS	Spills Information Database	Department of Environmental Conservation	11/09/2020	11/11/2020	01/19/2021
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	UIC	Underground Injection Control Wells	Department of Environmental Conservation	11/29/2020	12/01/2020	02/16/2021
NY	VAPOR REOPENED	Vapor Intrusion Legacy Site List	Department of Environmenal Conservation	12/01/2018	02/13/2019	06/13/2019
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	11/03/2020	11/17/2020	02/09/2021
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	01/02/2021	01/08/2021	03/22/2021
NY	COOLING TOWERS	Registered Cooling Towers	Department of Health	10/07/2020	10/13/2020	01/04/2021
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/17/2021	02/17/2021	03/22/2021
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019
NY	PFAS	PFAS Contamination Site Location Listing	Department of Environmental Conservation	01/16/2019	05/08/2019	06/24/2019
NY	NYC LEAD	Lead-based Paint Testing Results	New York City Department of Education	12/01/2019	10/26/2020	01/14/2021
NY	NYC LEAD 2	Recent Lead Paint Violations	New York City Department of Housing Preservat	10/26/2020	10/27/2020	01/14/2021
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2018	07/02/2020	09/17/2020

HISTORICAL USE RECORDS

US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
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

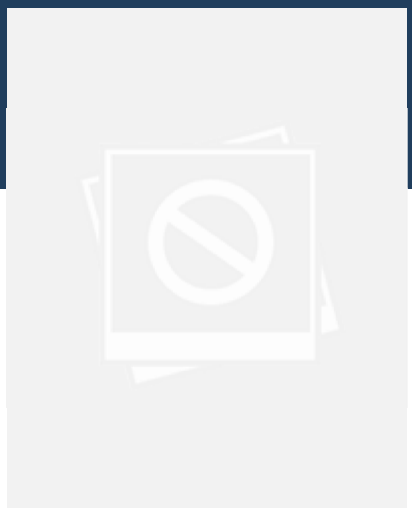
GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
COUNTY RECORDS						
NY	AST - CORTLAND	Cortland County Storage Tank Listing	Cortland County Health Department	08/20/2019	08/20/2019	10/16/2019
NY	UST - CORTLAND	Cortland County Storage Tank Listing	Cortland County Health Department	08/20/2019	08/20/2019	10/16/2019
NY	AST - NASSAU	Registered Tank Database	Nassau County Health Department	01/09/2017	01/11/2017	02/15/2017
NY	AST NCFM	Storage Tank Database	Nassau County Office of the Fire Marshal	02/15/2011	02/23/2011	03/29/2011
NY	TANKS NASSAU	Registered Tank Database in Nassau County	Nassau County Department of Health	01/09/2017	01/11/2017	02/15/2017
NY	UST - NASSAU	Registered Tank Database	Nassau County Health Department	01/09/2017	01/11/2017	02/15/2017
NY	UST NCFM	Storage Tank Database	Nassau County Office of the Fire Marshal	02/15/2011	02/23/2011	03/29/2011
NY	AST - ROCKLAND	Petroleum Bulk Storage Database	Rockland County Health Department	02/02/2017	03/17/2017	09/22/2017
NY	UST - ROCKLAND	Petroleum Bulk Storage Database	Rockland County Health Department	02/02/2017	03/17/2017	09/22/2017
NY	AST - SUFFOLK	Storage Tank Database	Suffolk County Department of Health Services	06/28/2018	12/06/2018	02/07/2019
NY	TANKS SUFFOLK	Storage Tank Database	Department of Health Services	06/28/2018	02/05/2019	03/08/2019
NY	UST - SUFFOLK	Storage Tank Database	Suffolk County Department of Health Services	06/28/2018	12/06/2018	02/07/2019
NY	AST - WESTCHESTER	Listing of Storage Tanks	Westchester County Department of Health	06/09/2020	06/09/2020	08/18/2020
NY	UST - WESTCHESTER	Listing of Storage Tanks	Westchester County Department of Health	06/09/2020	06/09/2020	08/18/2020

STREET AND ADDRESS INFORMATION

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APPENDIX I
PUBLIC RECORDS



Kris A

P.W. Grosser Consulting

Phone: **(631) 589-6353**
bphillips@pwgrosser.com

Property Report by PropertyShark.com, for:

28-12 41st Ave, Long Island City, NY 11101

General

1. Overview

Address

Primary address	**2812 41st Ave**
Alternate address(es)	**28-10 41st Ave**
Zip code	**11101**
Neighborhood	**LIC**
Borough	**Queens**
Block & lot	**00417-0020**

Owner

Name	**Hope Enterprise Inc. Of New York**
Address	**28-12 41st Ave Long Island City, NY 11101**
Purchase date	**11/18/1987**
Purchase price	**$0**

Property Taxes

Tax class	**4**
Property tax	**$25,996**
Property tax tentative	**$18,382**

Lot

Lot sqft	**5,000**
Lot dimensions	**50 ft x 100 ft**
Ground elevation	**37 ft**
Corner lot	**No**

Zoning

Zoning districts	**M1-5/R7-3, LIC**
Zoning map	**9b**
Qualified opportunity zone	**Yes (map)**

Building

Building class	**Miscellaneous Warehouse (E9)**
Square feet	**5,000**
Building dimensions	**50 ft x 100 ft**
Buildings on lot	**1**
Stories	**1**
Roof height	**17 ft**
Year built	**1935**
Structure type	**Miscellaneous warehouse/storage**
Construction type	**Masonry**
Grade	**D**

Use

Commercial units	**2**
Retail sqft	**800**
Certificate(s) of occupancy	**Click here**
CO issue date	**5/13/2014**
Issue type	**Final**

Floor Area Ratio (FAR)

Residential FAR	**5**
Commercial FAR	**5**
Facility FAR	**5**
FAR as built	**1.00**
Allowed usable floor area	**25,000**
Usable floor area as built	**5,000**
Unused FAR	**20,000**

Violations

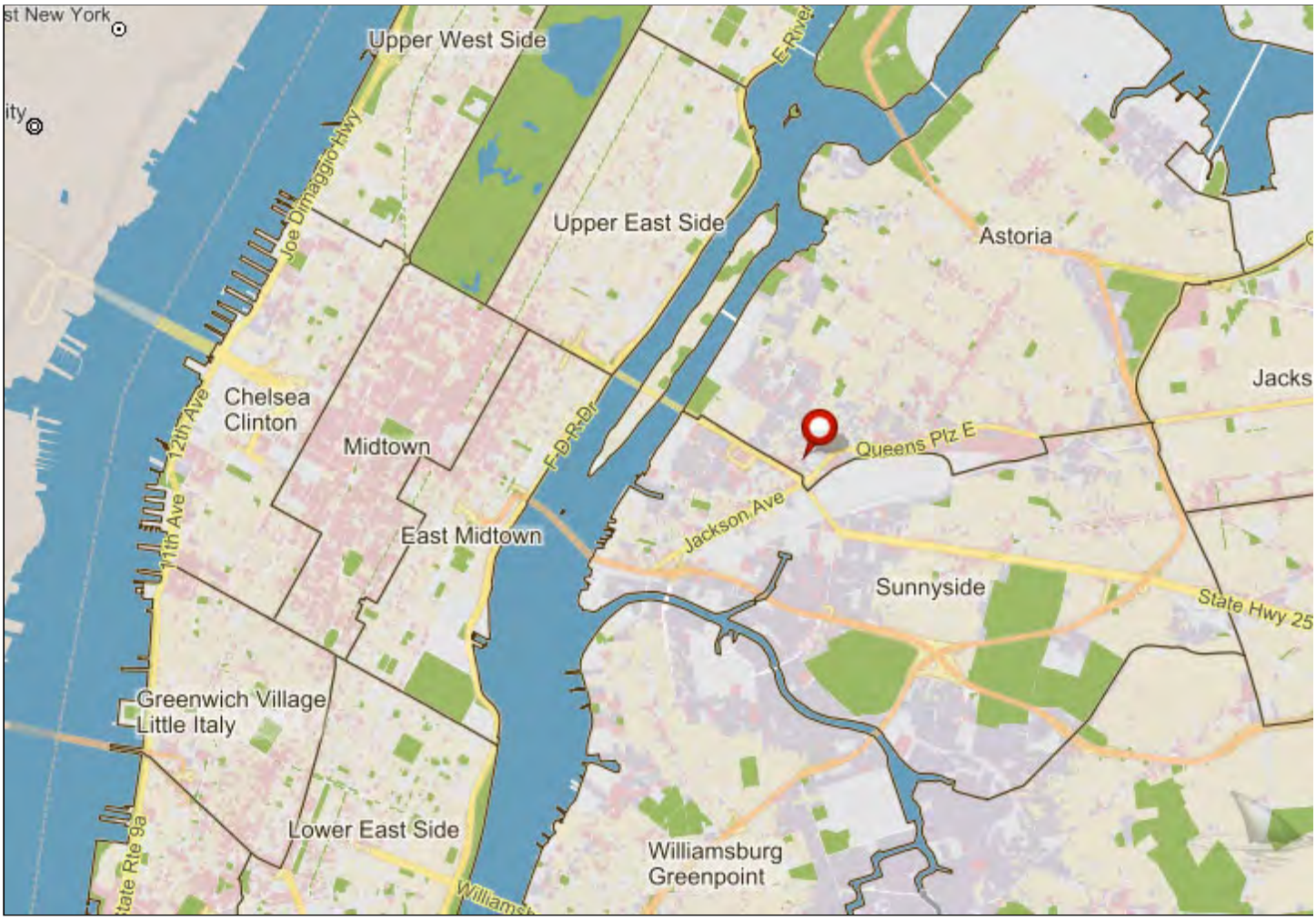
ECB violations	**3**

2. Photos



Uploaded in March, 2017 by Joe Strini

3. Maps



Community district	**1**	Closest police station	**0.64 Miles**
School district	**30**	Closest fire station	**0.60 Miles**
Census tract	**33**	Tax map	**40302**
Lat/Long	**40.75102, -73.93734**	Sanborn map	**401 023**

Contacts

1. Real Owners

Get access to manually researched real owner contact info for 260,000 LLC-owned properties in NYC.
Our team is in the process of verifying all researched phone numbers and they have already made over 400,000 calls.



Upgrade

Name

Address

Phone

E-mail

to unlock Real Owners and their phone numbers.

2. Registered Owner

Hope Enterprise Inc. Of New York

Address: 28-12 41st Ave
Long Island City, NY 11101
Source: Assessment Roll
Last recorded: 12/15/2019

Add to address book

Ownership data is aggregated from governmental sources like deeds and the assessment roll. If the registered owner is an LLC or other form of company, use our Real Owners service to find the person behind the company.

3. Contacts from Building Permits

Registration date	Role	Name	Address	Phone number	Email
01/16/2014	Owner	Ari Zubli Hope Enterprise Inc Of New York	25 Deepdale Dr Great Neck, NY 11021	(212) 695-6262	
01/16/2014	Applicant	Jason Quinn The Plumbing & Htg Specia		(718) 225-4803	
10/23/2012	Applicant	Asher Benshar Metropolitan Furniture		(516) 829-0120	
08/01/2012	Applicant	Jason W Quinn The Plumbing & Htg Specia		(718) 225-4803	
04/10/2012	Applicant	Barry Bank			
06/19/2008	Applicant	Dong Whang Hi Tech Engineering Inc; Hitech Engineering Inc		(718) 888-0802	
06/19/2008	Owner	Suk H Yoon Max Jdj Cleaners	28-12 41st Ave Long Island City, NY 11101	(212) 227-9090	
04/12/2007	Owner	Sul H Yoon Max Cleaners	28-12 41 Ave Long Island City, NY 11101	(212) 227-9090	
04/12/2007	Applicant	Stephen Braun Stephen Braun		(718) 444-3400	
04/12/2007	Superintendent	Stephen Braun Stephen Braun			

Valuation

1. Last Sale

Purchase date	**11/18/1987**
Purchase price	**$0**

2. Assessment History

Year	Building class	Market value	Assessed value	Taxable	Tax rate%	Base tax	Property tax
2020/21	E9	$564,000	$253,800	$243,090	10.694%	$25,996	$25,996
2019/20	E9	$530,000	$238,500	$238,500	10.537%	$25,131	$25,131
2018/19	E9	$510,000	$229,500	$229,500	10.514%	$24,130	$24,130
2017/18	E9	$619,000	$278,550	$251,502	10.514%	$26,443	$26,443
2016/17	E9	$601,000	$270,450	$240,340	10.574%	$25,414	$25,414
2015/16	G9	$534,000	$240,300	$230,801	10.656%	$24,594	$24,594
2014/15	G9	$525,000	$236,250	$236,250	10.684%	$25,241	$25,241
2013/14	G9	$515,484	$231,968	$231,968	10.323%	$23,946	$23,946
2012/13	G9	$495,000	$222,750	$222,750	10.228%	$22,783	$22,783
2011/12	G9	$528,000	$237,600	$237,600	10.152%	$24,121	$24,121
2010/11	G9	$792,000	$356,400	$349,200	10.312%	$36,010	$36,010
2009/10	G9	$816,000	$367,200	$301,140	10.426%	$31,397	$31,397
2008/09	G9	$961,000	$432,450	$249,750	10.241%	$25,577	$25,577
2007/08	G9	$1,040,000	$468,000	$186,120	10.059%	$18,722	$18,722
2006/07	G9	$271,000	$121,950	$116,280	10.997%	$12,787	$12,787

Documents

1. Title Documents

Date	Type	Amount	Party 1	Party 2	Doc image
1/14/2019 – R	UCC3 assignment		Hope Enterprise INC. of New York 25 Deepdale Drive Great Neck NY 11021	Miof Credit 1 LLC 660 Madison Avenue Suite 1700 New York NY 10065	
1/14/2019 – R	Initial UCC1		Hope Enterprise INC. of New York 28-10 41st Avenue Long Island City NY 11101	Maxim Credit Group, LLC 660 Madison Avenue Suite 1700 New York NY 10065	
12/20/2018 – D 1/14/2019 – R	Assignment of leases and rents	$3,750,000	Hope Enterprise INC. of New York 25 Deepdale Drive Great Neck NY 11021	Maxim Credit Group, LLC 660 Madison Avenue Suite 1700 New York NY 11021	
12/20/2018 – D 1/14/2019 – R	Agreement	$3,750,000	Hope Enterprise INC. of New York 25 Deepdale Drive Great Neck NY 11021	Maxim Credit Group, LLC 660 Madison Avenue Suite 1700 New York NY 11021	
4/20/2018 – D 1/14/2019 – R	Asgn of asgn of L&R		Miof Credit 1 LLC 660 Madison Avenue Suite 1700 New York NY 10065	Brookstone Realty LLC 37 Northern Boulevard Suite 17 Greenvale NY 11548	
12/18/2018 – D 1/14/2019 – R	Assignment, mortgage		Brookstone Realty LLC 37 Northern Boulevard Suite 17 Greenvale NY 11548	Maxim Credit Group, LLC 660 Madison Avenue Suite 1700 New York NY 10065	
4/20/2018 – D 1/14/2019 – R	Assignment, mortgage		Miof Credit 1 LLC 660 Madison Avenue Suite 1700 New York NY 10065	Brookstone Realty LLC 37 Northern Boulevard Suite 17 Greenvale NY 11548	
12/18/2018 – D 1/14/2019 – R	Termination of assign of L&R		Hope Enterprise INC. of New York 25 Deepdale Drive Great Neck NY 11021	Miof Credit 1 LLC 660 Madison Avenue Suite 1700 New York NY 10065	
2/28/2003 – D 12/31/2018 – R	Satisfaction of mortgage		Rubel's Mansions INC	Hope Enterprise INC	
11/6/2017 – R	Initial UCC1		Hope Enterprise INC. of New York 25 Deepdale Drive Great Neck NY 11021	Miof Credit 1 LLC 660 Madison Avenue Suite 1700 New York NY 10065	
10/27/2017 – D 11/6/2017 – R	Assignment of leases and rents	$3,750,000	Hope Enterprise INC. of New York 25 Deepdale Drive Great Neck NY 11021	Miof Credit 1 LLC 660 Madison Avenue Suite 1700 New York NY 10065	
10/27/2017 – D 11/6/2017 – R	Mortgage	$3,750,000	Hope Enterprise INC. of New York 25 Deepdale Drive Great Neck NY 11021	Miof Credit 1 LLC 660 Madison Avenue Suite 1700 New York NY 10065	
3/2/1988 – R	Assignment, mortgage		Rubel's Mansion INC	Francis Rubel Kuzui	
11/18/1987 – R	Mortgage	$175,000	Hope Enterprises INC	Rubel's Mansion INC	

Date	Type	Amount	Party 1	Party 2	Doc image
11/18/1987 – R	Deed		Rubel's Mansions INC	Hope Enterprise INC	
11/3/1978 – R	Deed (**M**)		Herman Frances R	Rubels Mansions INC	
8/10/1978 – R	Deed (**M**)		Rebel George	Frances R Herman	
7/14/1978 – R	Deed (**M**)		Rubel George	Frances C H Rubel	
2/25/1970 – R	Deed		Dewes Gombs Die CO INC	George Rubel	
7/30/1969 – R	Deed		Kovarik Harold G	Dewes Gumbs Die CO INC	

R: recorded date
D: document date

Financials

1. Mortgage Summary

Mortgage data is aggregated from public and governmental sources like deeds of trusts and assignments. Our team has researched over 900,000 properties with more being added daily.

Origination date	Lender(s)	Amount	Loan type	Lien position	Doc image
🔒	🔒	🔒	🔒	🔒	🔒

to unlock the property's mortgage balance, maturity date, interest rate and much more.

Occupancy

1. Phone Records of Residents

Name	Unit	First seen	Phone number
Commercial Press		2019	(212) 966-7771
Mbs Graphics		2010	(718) 937-6050
Minuteman Press		2013	(718) 937-2200
Stitchthis Screenthat		2018	(917) 453-7625
Walnut Printing Inc		1994	(718) 707-0100

2. Businesses

Entity	Phone number
New York Valet Service, INC. 2812 41st Ave Long Is City, NY 11101	(718) 359-0600

Taxes

1. Tax Bill

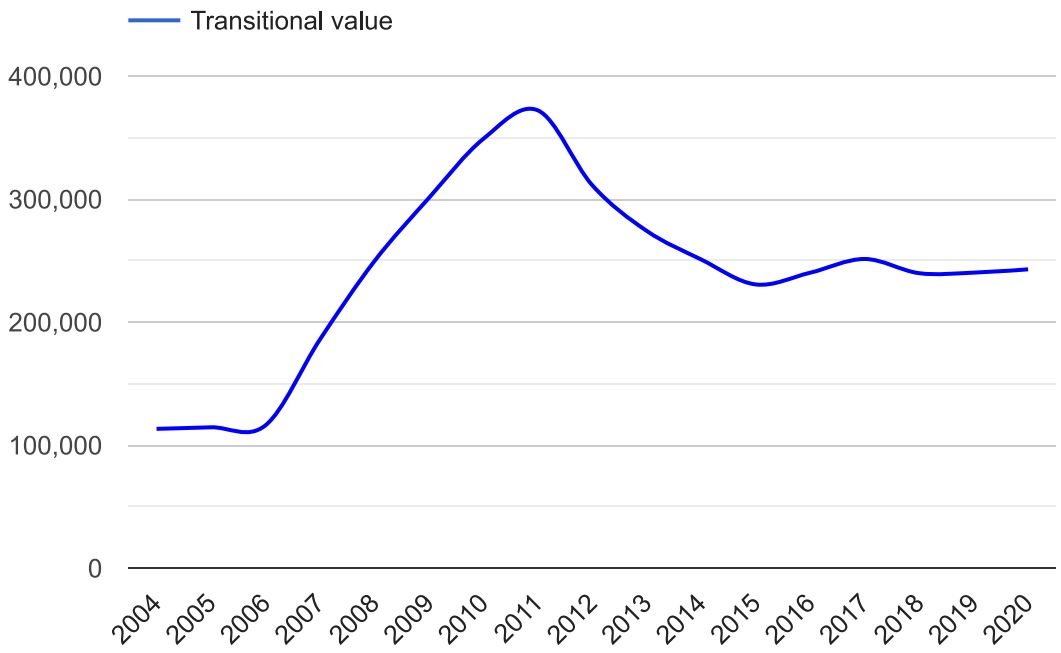
Property tax bill for 7/1/2020 to 6/30/2021	**$25,996**
Estimated property tax bill for 7/1/2021 to 6/30/2022	**$18,382**

2. Key Values in Calculating the Bill

Tax class	**4**
Market value	**$564,000**
Assessed value	**$253,800**
Exemptions granted by city	**$0**
Transitional value	**$243,090**
Transitional exemption value	**$0**
Tax abatements	**$0**

3. Assessed Value Evolution

The state law requires to phase in any changes to the assessed value over a five-year period. In any given year, multiple transitions are being applied to the property, which result in different assessed and transitional values each year. The law requires the use of the lowest value between the two - assessed or transitional - to calculate the property tax bill.Please note that assessment changes due to physical alterations/renovations to the property are not phased in. Additionally, if a tax class change has occurred in the past two years, we are unable to estimate value increases for the next 5 years.



4. Property Tax Calculation

Market Value

The first step is for the City Assessor to determine the *market value* of the property. While the term *market value* would seemingly refer to how much the property would sell for on the open market, in reality the *market value* established by the City Assessor is almost always substantially lower.

		20/21		21/22
Land market value		$300,000		$300,000
Building market value	+	$264,000	+	$82,000
Market value	**=**	**$564,000**	**=**	**$382,000**

Assessed Value

Next, the market value is used to compute the assessed value, which is a percentage of the market value. The exact percentage is determined by the tax class of the property. Tax class 1 is assessed at 6% of the market value, and tax classes 2,3 and 4 are assessed at 45%.

		20/21		21/22
Market value		$564,000		$382,000
Assessment ratio	x	45%	x	45%
Maximum assessed value	**=**	**$253,800**	**=**	**$171,900**

Transitional Value

To protect property owners from sudden large increases in property tax, the state limits how quickly the city can increase the assessed value. Typically these limits are applied when the City Assessor makes a big increase to the market value. Without the limits the assessed value would increase by a similar percentage. Instead, the change to the assessed value is phased in over a number of years.

The market value of this property was increased in previous years and the assessed value is currently being phased in. Because this property is in **tax class 4**, the assessment cannot be raised more than 8% from the year before or 30% over five years. Assessed value cannot be raised more than 45% from market value.

		20/21		21/22
Assessed value		$253,800		$171,900
Exemptions granted by city	-	$0	-	$0
Net assessed value	**=**	**$253,800**	**=**	**$171,900**

		20/21		21/22
Transitional value		$243,090		$223,380
Transitional exemption value	-	$0	-	$0
Transitional net value	**=**	**$243,090**	**=**	**$223,380**

Taxable Value

The *taxable value*, for 20/21, is the smaller of the city's net assessed value and the transitional net assessed value.

		20/21		21/22
Taxable value	=	$243,090	=	$171,900

Property Tax

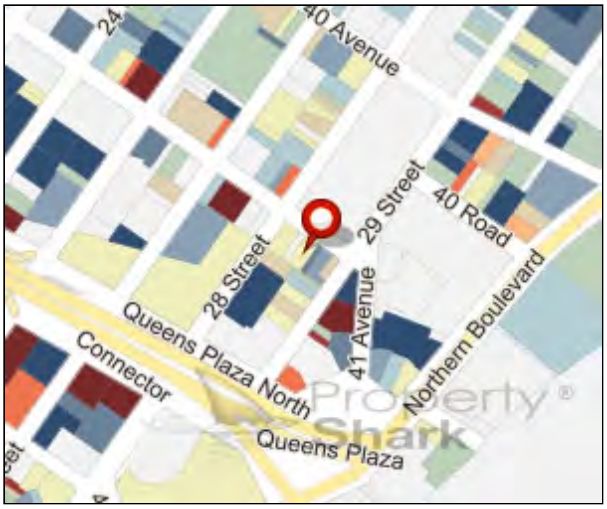
Current tax is calculated by multiplying the taxable value (the assessed value minus any exemptions) by the tax rate.
The city also grants some properties incentives called tax abatements, which are subtracted directly from the current tax. This results in the property

tax, the amount the current owner pays.

Tax description	Billable value 20/21		Tax rate 20/21		Tax bill 20/21
Current tax	$243,090	x	10.6940%	=	$25,996
Total abatements				-	$0
Property tax				**=**	**$25,996**

Tax description	Billable value 21/22		Tax rate 20/21		Tax bill 21/22
Current tax estimated	$171,900	x	10.6940%	=	$18,383
Total abatements				-	$0
Property tax estimated				**=**	**$18,383**

For more information, you can view this property's assessment, tax bill, and account statements by clicking here and entering the Borough, Block, & Lot.



This map shows property tax in correlation with square footage of the property.



Property tax	**$25,996**
Tax year	**2020-2021**
Square feet	**5,000**
Tax per sqft	**$5**

5. Exemptions and Tax Abatements

Both the City and State of New York offer property tax reductions through exemptions and abatements for residential property, commercial constructions, and properties used by governmental, industrial, and nonprofit organizations. Exemptions provide tax relief by reducing a property's assessed value, and abatements reduce taxes by applying credits to the amount of tax due. The information in this section presents a summary of the granted amounts and other related values of the benefit programs. Some of this data comes from NYC Department of Housing Preservation and Development (HPD) and the Department of Finance, departments which administer the J-51 Program, 421a Program and the Cooperative and Condominium program .

We believe that no exemptions or abatements currently apply to this property.

6. Tentative Values

Every year in January, the NYC Department of Finance Commissioner publishes the tentative property assessment roll for the current fiscal year. All properties are valued by law according to their condition on the taxable status date of January 5th. Owners who believe that the Department of Finance has used incorrect information to determine their market value may file forms providing corrections. After Finance verifies the complaints, the agency will make any corrections before the final assessment roll is published on May 25. The final roll will also include changes, based on the decisions made by the New York City Tax Commission, an independent City agency, as well as new information Finance gathers about abatements, exemptions and other adjustments. In June, Finance will use the final roll and new tax rates adopted by the City Council to generate property tax bills for the fiscal year beginning July 1st.

Tentative Transitional Values

Tentative Transitional Exempt Total	**$0**
Tentative Transitional Land	**$121,500**
Tentative Transitional Total	**$223,380**

Tentative Actual Values

Tentative Actual Land	**$300,000**
Tentative Actual Exempt Total	**$0**
Tentative Actual Total	**$382,000**

Permits

1. Permits

Pre filing date	Job type	Initial cost	Job status	Work type	Link to job
04/10/2012	Alteration type 1	$22,000	Signed-off	Plumbing, mechanical, gen. constr.	
	This application is being filed to obtain a new certificate of occupancy for a conversion to warehouse (ug 16), and to remove violation #34849989P by removing mezzanine, partition dividing spaces, and boiler room. there is no change to building bulk.				
01/19/2007	Alteration type 2	$5,000	Plan exam - disapproved	Fuel storage	
	To install two oil storage tanks. this application is field in conjunction with the applkication no. 492498089. there will be no change in use, egress and occuipancy.				
11/21/2006	Alteration type 2	$30,000	Permit issued - entire job/work	Plumbing, boiler, gen const	
	To sep up a wholesale laundry. there will be MO change in use, egress and occupancy.				
06/20/1989	Pre-bis building notice				

Development

1. Floor Area Ratio & Air Rights

There are many rules that limit what you can build on a lot and how large it can be. But the most important is the Floor Area Ratio, or FAR. The FAR is expressed as a ratio of the size of the building in square feet to the size of the lot in square feet. For example, if a lot is 2,000 square feet and has an allowable FAR of 4.0, then you cannot build a building larger than 8,000 square feet. Max FAR depends on several factors including zoning, location and use.

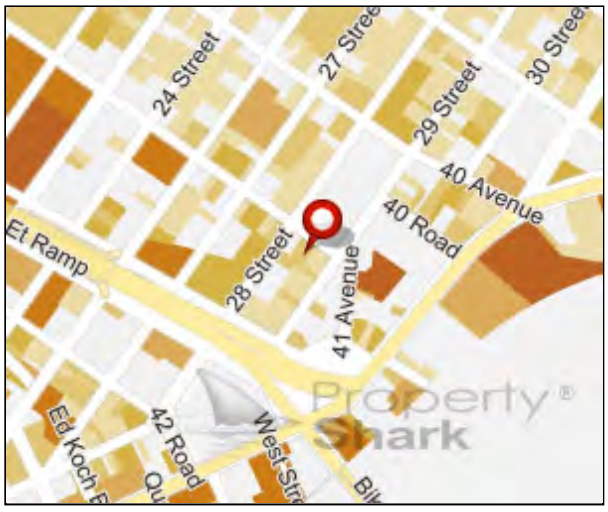
The maximum usable floor area is calculated by multiplying the size of the lot by the larger of the residential or commercial FAR.

Area of lot in square feet		**5,000**
FAR	x	**5**
Maximum usable floor area of building	=	**25,000**

Available Air Rights by Parcel

The building on this lot is smaller than the maximum set by the FAR. Thus it may be possible to add to the building (either more floors or an extension) or it may be possible to sell the "air rights" to a developer who owns a nearby lot. (Note: other factors may limit what you can do.)

Maximum usable floor area		**25,000**
Usable floor area	-	**5,000**
Unused buildable square feet ("air rights")	=	**20,000**





Residential FAR	**5**
Commercial FAR	**5**
Facility FAR	**5**
FAR as built	**1.00**

2. Zoning

New York City is divided into three basic *zoning districts:* residential (R), commercial (C) and manufacturing (M). These basic zoning districts are subdivided by the intensity of use. Development is governed by the use, bulk, and parking requirements of the zoning district.



R Residential district
C Commercial district
M Manufacturing district

Rezoning Proposal Active
Rezoning Recently Adopted

This map was created from the NYC Department of City Planning's online zoning map files. It includes updates found in those files through 4/22/2020.

Zoning Designation

Manufacturing	**M1-5/R7-3**
Special districts	**LIC**
E-Designation	**E-104**

Parcel Vicinity

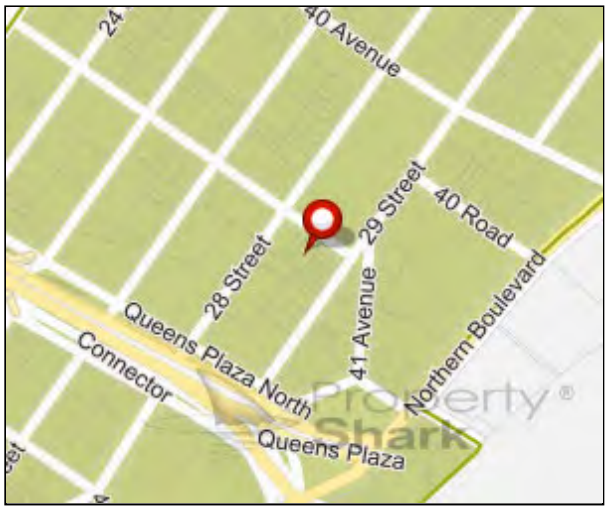
Frontage(s)	**63 Street Line(narrow)**
Nearest wide street	**41 Avenue**
Distance to wide street	**18.9 ft**

Rezoning Projects

Since	**2014**
Project	**Western Queens**
Status	**Active**

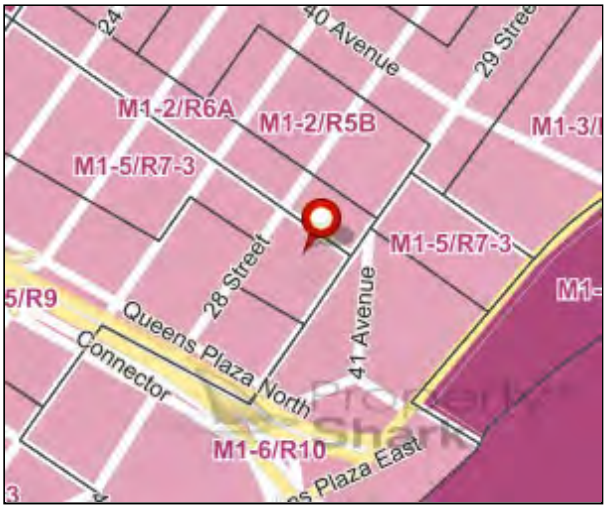
For more information about zoning district regulations, click here.

Special District — LIC



The Special Long Island City Mixed Use District (LIC) promotes the development and expansion, at varying densities, of the longstanding mix of residential, commercial, industrial and cultural uses found in its four subdistricts Court Square, Queens Plaza, Hunters Point and Dutch Kills. Paired districts combine a manufacturing and a residential district, as in the Special Mixed Use District, and are mapped in the Queens Plaza, Hunters Point and Dutch Kills Subdistricts. More info

Manufacturing — M1-5/R7-3



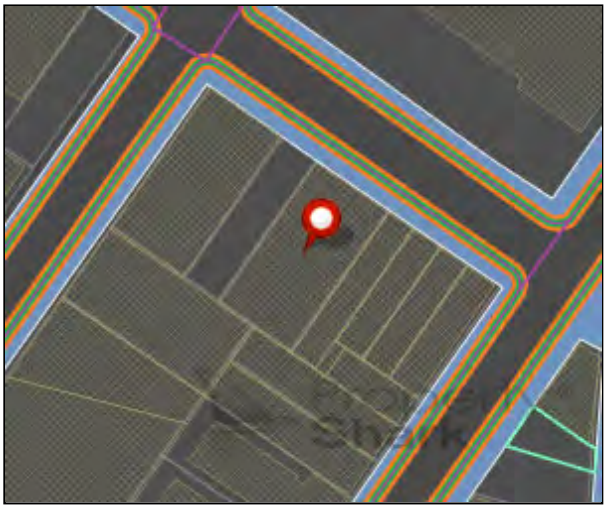
M1 districts are often buffers between M2 or M3 districts and adjacent residential or commercial districts. M1 districts typically include light industrial uses, such as woodworking shops, repair shops, and wholesale service and storage facilities. Although new industrial buildings are usually low-rise structures that fit within sky exposure planes, commercial and community facility buildings can be constructed as towers in M1-3 through M1-6 districts. In the highest density manufacturing district, M1-6, mapped only in Manhattan, an FAR of 12 can be achieved with a bonus for a public plaza. M1-1, M1-2 and M1-3 districts are subject to parking requirements based on the type of use and size of an establishment. More info

R7 districts are medium-density apartment house districts mapped in much of the Bronx as well as the Upper West Side in Manhattan and Brighton Beach in Brooklyn. The height factor regulations for R7 districts encourage lower apartment buildings on smaller zoning lots and, on larger lots, taller buildings with less lot coverage. As an alternative, developers may choose the optional Quality Housing regulations to build lower buildings with greater lot coverage. Regulations for residential development in R7-1 and R7-2 districts are essentially the same except that R7-2 districts, which are mapped primarily in upper Manhattan, have lower parking requirements. More info

Map Disclaimer: Our maps are not official zoning maps. The print version of the NYC Zoning Resolution, which includes the zoning maps, together with any amendments adopted by the City Council subsequent to the most recent update to the print version, remains the official version of the Zoning Resolution. All zoning descriptions have been taken from the NYC Planning official source.

3. Planimetric Map

This planimetric map shows features such as retaining walls, sidewalks, medians, curbs, and roadbeds that have been digitized from aerial photography. These features must be taken into consideration when determining how a new building, or extensions to an existing building, are situated within the lot. They can also affect the maximum height that can be built.





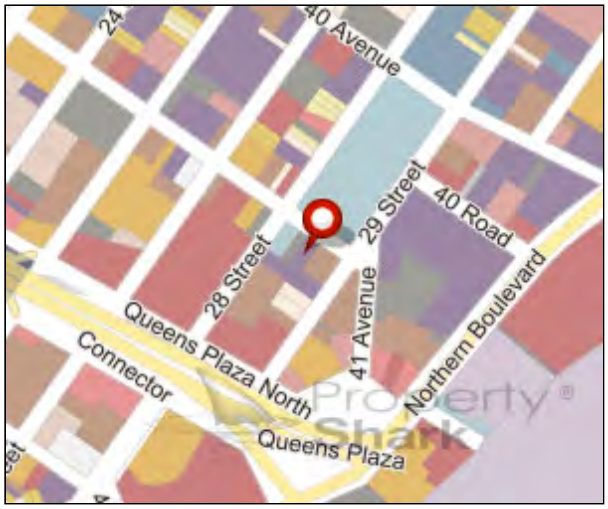
BIN	**4005027**
Type	**Building**
Status	**Constructed**
Roof height	**17 ft**
Ground elevation	**37 ft**

Neighborhood

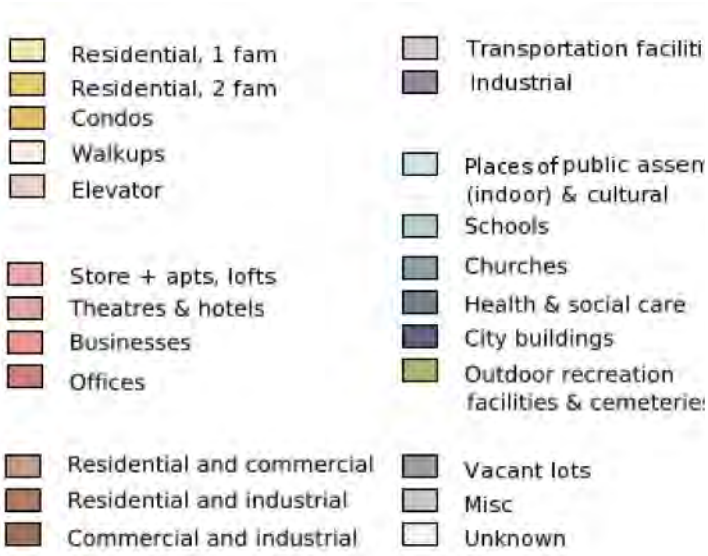
1. Building Class

The *building class* specifies how a property is used or what type of building is present on that property. Building classes range from A to Z (excluding X). There are at most 10 different sub-classes within each building class (ranging from 0 to 10). These building classes cover all property uses from residential and commercial to government buildings and parks.

The full list of building classes can be found here.



Building class: **Miscellaneous Warehouse (E9)**



2. Urban Landscape Maps

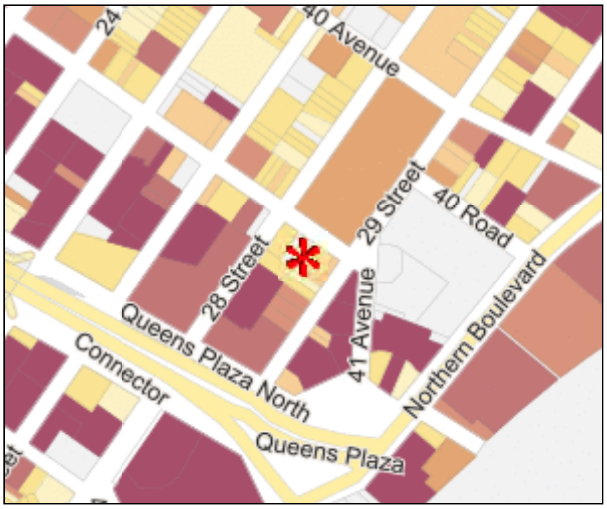


Click on the map to expand.

Year built: **1935**

On this color-coded map, view the year each property was built.

- 2015 and later
- 2010 - 2014
- 2000 - 2009
- 1990 - 1999
- 1970 - 1989
- 1950 - 1969
- 1900 - 1949
- older than 1900



Click on the map to expand.

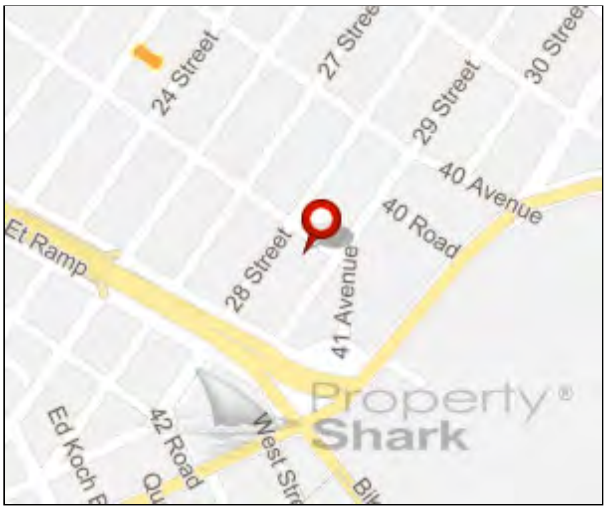
Stories: **1**

On this map, view the number of stories per building.

- 10 & Up stories
- 7 to 9 Stories
- 5 to 6 Stories
- 4 Stories
- 3 Stories
- 2 Stories
- 1 Story
- No data

3. HPD Alternative Enforcement Program

The HPD Alternative Enforcement Program map is based on the current month's HPD violations in a building divided by the number of units in the building. It takes in consideration the open hazardous and immediately hazardous violations (I/B/C class) in the last 5 years.



Properties over the HPD-AEP threshold

- More than 600% over
- 300% to 600% over
- Up to 300% over

Properties below the HPD-AEP threshold

- 80% to 99%
- 60% to 80%
- 50% to 60%

HPD-AEP threshold for buildings having:

3 to 14 units = 5 violations/unit

15 units or more = 3 violations/unit

For more information, visit the HPD website.

4. Distance to Schools



Elementary School Proximity

This map shows zoned Elementary School and other public and private schools available in the area, with exact distances from the subject property to the school of interest.

Elementary schools
- District boundary
- Attendance zone
- Unzoned area

School locations
- Zoned
- Other public
- Charter
- Private

School district **30**

Attendance Elementary School(s)

Nearest Public Elementary School (not zoned)

School	**NYC School Construction Authority - Q**
School code	**30Q998**
Distance (miles)	**1.032**
Principal	**Richard Lee**
Phone number	**(718) 487-9857**

Find more info at NYC Department of Education

Nearest Private Elementary School

School	**Growing Up Green Charter School**
Distance (miles)	**0.168**
Principal	**Matthew Greenberg**
Phone number	**(347) 642-4306**



Middle School Proximity

This map shows zoned Middle School and other public and private schools available in the area, with exact distances from the subject property to the school of interest.

Middle schools
District boundary
Attendance zone
Unzoned area

School locations
Zoned
Other public
Charter
Private

School district **30**

Attendance Middle School(s)

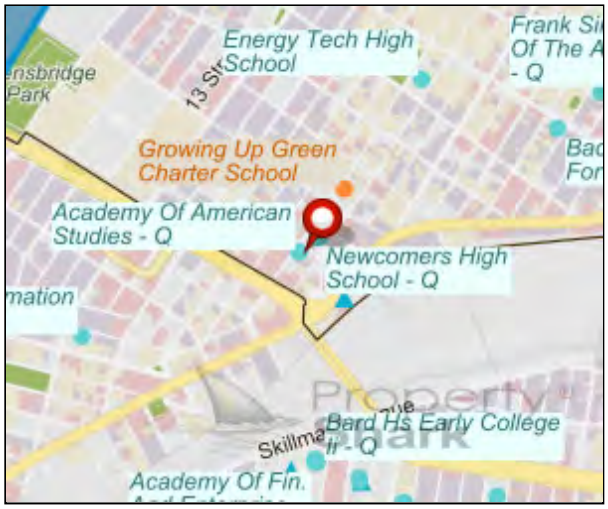
Nearest Public Middle School (not zoned)

School	**Baccalaureate Scl For Global Ed-Q**
School code	**30Q580**
Distance (miles)	**0.609**
Principal	**Kelly Johnson**
Phone number	**(718) 361-5275**
Quality score	**Good**

Find more info at NYC Department of Education

Nearest Private Middle School

School	**Growing Up Green Charter School**
Distance (miles)	**0.168**
Principal	**Matthew Greenberg**
Phone number	**(347) 642-4306**



High School Proximity

This map shows zoned High School and other public and private schools available in the area, with exact distances from the subject property to the school of interest.



School district **30**

Attendance High School(s)

Nearest Public High School (not zoned)

School	**Academy Of American Studies - Q**
School code	**30Q575**
Distance (miles)	**0.014**
Principal	**William Bassell**
Phone number	**(718) 433-2556**
Quality score	**Good**

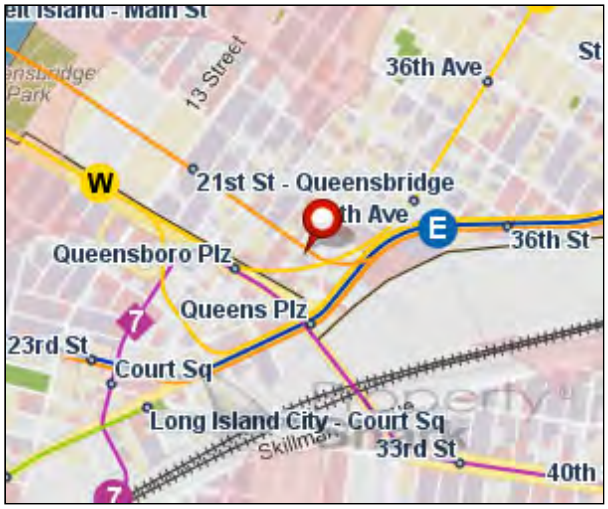
Find more info at NYC Department of Education

Nearest Private High School

School	**Growing Up Green Charter School**
Distance (miles)	**0.168**
Principal	**Matthew Greenberg**
Phone number	**(347) 642-4306**

5. Transportation

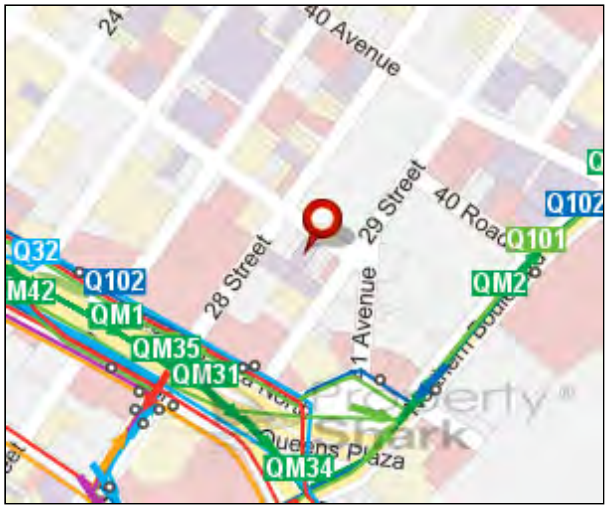
On this color-coded map, view the nearest subway station for each building.

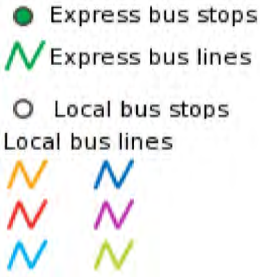




Closest station	**Northern Blvd & 41st Ave at NW Corner**
Station lines	**E-M-R**
Distance (miles)	**0.101**

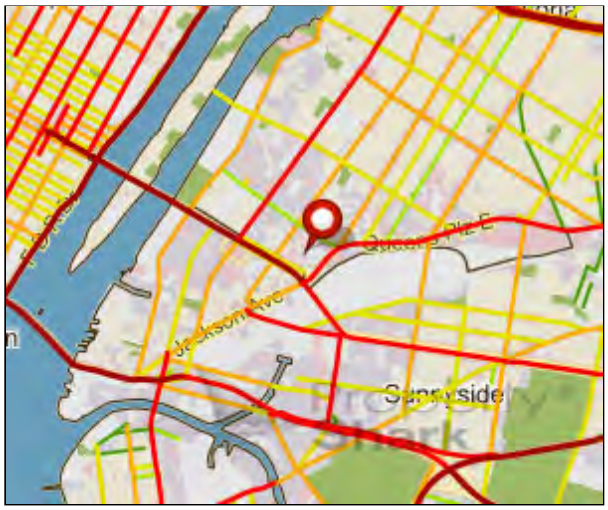
On this map, view the closest local or express bus routes and stations.





Name	**Queens Plz N/29 St**
Distance (miles)	**0.072**

6. Traffic Map



Estimated average daily traffic volume on a route segment at a particular count location.

Average daily traffic
- 75001 - 300000
- 25001 - 75000
- 10001 - 25000
- 4001 - 10000
- 1501 - 4000
- 1 - 1500

7. Demographics By Zip Code

Demographic data shown in this section was gathered from the 2014 American Community Survey and refers to zip code **11101**.

Population Demographics

Total population	**31,366**
Female population	**50.1%**
Male population	**49.9%**
Median age	**34**
Male median age	**33.8**
Female median age	**34.1**

Education

No highschool	**4.8%**
Some highschool or college	**39.9%**
Bachelors degree	**29.9%**

Other

Citizens	**83.8%**
Citizens born in US	**62.5%**
English speakers	**91.9%**

Journey to Work

Work in a metropolitan area	**99.8%**
Work in a micropolitan area	**0.1%**
Work at home	**3.7%**
Go to work by car	**12.4%**
Go to work after 10 am	**14.4%**

Economic/Employment

Average household income	**$114,060**
White collar	**90.5%**
Blue collar	**9.5%**

Housing

Family households	**50.7%**
Households with kids	**23.6%**
Housing units	**18,766**
Occupied housing units	**13,896**
Owner occupied units	**15.8%**
Average number of people per household	**2.21**
Median year structure built	**1953**
Houses with mortgages	**67.2%**

Wealth

Median value for units with a mortgage	**$975,400**
Median value for units without a mortgage	**$921,100**
Median gross rent	**$1,831**
Median mobile home values	**$0**
Median housing costs per month	**$1,953**
Population in poverty	**17.0%**

Violations

1. HPD Violations

When excessive violations are present, this can adversely affect the support given by The NYC Department of Housing Preservation and Development (HPD). These violations can result in building-wide inspections, fees, and the requirement of extensive repair work to correct underlying conditions. In some cases, outstanding violations may result in a lien being placed on the property. It is also substantially more difficult to mortgage a building with extensive violations.

We do not have any record of violations in our database. Status can be verified here.

2. 311 Complaints

Created	Agency	Type	Descriptor	Disposition	Closed
10/7/2019	NYPD	Abandoned vehicle	With license plate	The Police Department responded to the complaint and took action to fix the condition.	10/10/2019
7/3/2019	NYPD	Abandoned vehicle	With license plate		
4/21/2010	NYPD	Noise - commercial	Banging/pounding		4/21/2010

Complaint status can be verified here.

3. DOB Complaints

Date entered	Complaint	Complaint category	Disposition	Inspection
1/29/2020	4803279	Curb cut/driveway/carport - illegal	ECB violation served	8/18/2020
6/12/2017	4694539	Certificate of occupancy - none/illegal/contrary to CO	ECB violation served	6/13/2017
6/12/2017	4694538	Permit - none (building/PA/demo etc.)	ECB violation served	6/13/2017
5/29/2013	4549826	Sep - professional certification compliance audit	No violation warranted for complaint at time of inspection	5/31/2013
5/29/2013	4549827	Sep - professional certification compliance audit	No violation warranted for complaint at time of inspection	5/31/2013
12/20/2010	4468152	Permit - none (building/PA/demo etc.)	ECB violation served	11/30/2010
10/30/2010	4463269	Permit - none (building/PA/demo etc.)	ECB violation served	9/22/2010
10/21/2010	4462115	Building - vacant, open and unguarded	No violation warranted for complaint at time of inspection	1/26/2011
7/27/2010	4452617	Sep - professional certification compliance audit	Buildings violations(s) served	8/20/2010
5/26/2010	4445928	Sep - professional certification compliance audit	Inspector unable to gain access - final attempt	6/29/2010
4/21/2010	4441762	Illegal conversion commercial bldg/space to dwelling units	No violation warranted for complaint at time of inspection	5/7/2010
4/21/2010	4441732	Certificate of occupancy - none/illegal/contrary to CO	Stop work order fully rescinded	8/23/2012
8/4/2008	4365734	Construction - contrary/beyond approved plans/permits	Buildings violations(s) served	8/6/2008
7/8/1998	4081001	Certificate of occupancy - none/illegal/contrary to CO	Inspector unable to gain access - final attempt	10/6/1998
4/17/1989	4002073	48	Complaint unsubstantiated based on department records	5/15/1989

Complaint status can be verified here.

4. DOB Violations

Violation ID	Issue date	Type	Status
V*121510AEUHAZ100551	12/15/2010	Aeuhaz1-fail to certify class 1	Dismissed
Failure to certify correction on immediately hazardous (class 1) ecb violation 04/10/2013 - Paid invoice# 4005027			
V*082010CCN0103KS	8/20/2010	C-construction	Dismissed
07/15/2013 - Dismiss dob violation			
V*080608C0101WT	8/6/2008	C-construction	Dismissed
07/15/2013 - Dismiss dob violation			
V*121288C012G	12/12/1988	C-construction	Dismissed
AI 01/21/1992 - PN2/91 com			

Please note: the NYC Department of Buildings is the only authoritative source for information on DOB violations. Verify the status of the violation on DOB website.

PropertyShark obtains its records from DOB and updates them daily.

5. ECB Violations

There are eleven city agencies that administer the City's quality-of-life laws and issue Notices of Violation (NOVs) for alleged violations. The ECB is a separate and independent agency that hears challenges to those NOVs. The agencies that issue the most violations for real estate are:

- Department of Buildings (DOB)
- Department of Environmental Protection (DEP)
- Fire Department (FDNY)
- Landmarks Preservation Commission (LPC)
- Department of Sanitation (DSNY)

Violation ID	Issue date	Type	Status	Link to violation
39027153Y	8/18/2020	Construction	Active	
At time of inspection, observed, sidewalk curb at front of the property cut, so that the side of the sidewalk is lowered enabling a vehicle drive into on illegal off street accessory parking pad without obtaini				
35257245J	6/13/2017	Construction	Active	
Occupancy contrary to that allowed by the c of o or bldg dept records.noted: premises 1 sty frame dwelling. Existing c of o #420554126f mentioned'premises to be used as warehouse'. Found premises occupied as				
35257244H	6/13/2017	Construction	Active	
Work w/o permit. Noted: premises 1 sty frame dwelling. Built approx 25'-0'x40'-0' mezzanine floor 8'-0'heights from ground floor. Illegal mazzanine built w/wood joists & plywood. Mezzanine installed from front				
34891348Y	11/30/2010	Unknown	Resolve	
Failure to comply w/comm's order to correct vio #34849989p for work w/o permit. Interior alterations, elect. Work, partitions subdivided space. No record of correction.remedy: comply w/comm's order & obtain pmt				
34871669R	9/22/2010	Unknown	Resolve	
Failure to comply w/ comms order to correct vio#34849989p for work w/o permit interior alterations & subdivided space comm into 2 spaces w/ all related alteration partitions & elect work done w/o permit no reco				
34849988N	5/13/2010	Construction	Resolve	
Occupancy contrary to that allowed by the c of o or bldg dept records.bldg indicates coq#182224 at 1st on ground as machine tools, includin g metal lathes, metal presses, metal stamping machines or similar prod				
34849989P	5/13/2010	Construction	Resolve	
Work w/o permit. Noted: 1) at 1st floor partition wall in place subdividing comm'l space into 2 spaces w/connecting door for access and holeon the party walls created. Office installed at front w/dropped ceil				

Please note: the NYC Department of Buildings is the only authoritative source for information on ECB violations. Verify the status of the violation on DOB website.

PropertyShark obtains its records from ECB and updates them weekly.

6. Neighborhood Complaints

Created	Agency	Type	Descriptor	Disposition	Closed
6/26/2019	NYPD	Illegal parking	Posted parking sign violation	The Police Department responded and upon arrival those responsible for the condition were gone.	6/26/2019
6/14/2019	NYPD	Illegal parking	Posted parking sign violation	The Police Department responded and upon arrival those responsible for the condition were gone.	6/14/2019
6/10/2019	NYPD	Illegal parking	Posted parking sign violation	The Police Department responded to the complaint and determined that police action was not necessary.	6/11/2019
4/1/2019	NYPD	Blocked driveway	No access	The Police Department responded and upon arrival those responsible for the condition were gone.	4/1/2019
2/23/2018	NYPD	Blocked driveway	Partial access	The Police Department responded to the complaint and took action to fix the condition.	2/23/2018
9/6/2017	NYPD	Blocked driveway	No access	The Police Department responded and upon arrival those responsible for the condition were gone.	9/6/2017
3/15/2017	NYPD	Blocked driveway	No access	The Police Department responded to the complaint and with the information available observed no evidence of the violation at that time.	3/15/2017
12/19/2016	NYPD	Blocked driveway	No access	The Police Department issued a summons in response to the complaint.	12/19/2016
2/29/2016	NYPD	Blocked driveway	No access	The Police Department responded and upon arrival those responsible for the condition were gone.	2/29/2016
10/6/2015	NYPD	Blocked driveway	No access	The Police Department responded and upon arrival those responsible for the condition were gone.	10/6/2015
3/3/2015	NYPD	Blocked driveway	No access	The Police Department responded and upon arrival those responsible for the condition were gone.	3/3/2015
2/5/2015	NYPD	Blocked driveway	No access	The Police Department responded and upon arrival those responsible for the condition were gone.	2/5/2015

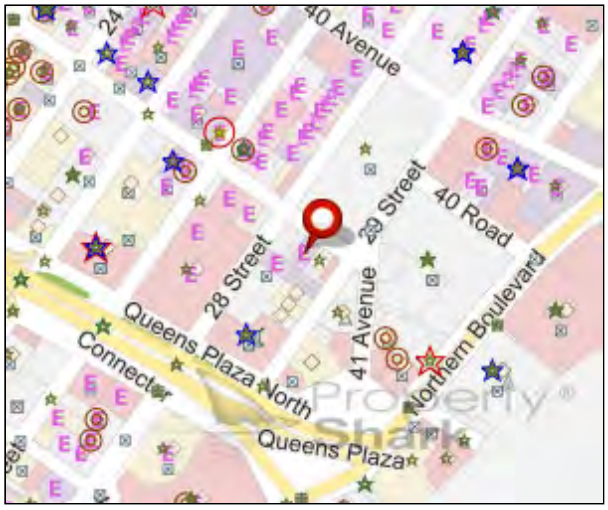
Risk

1. Toxic Sites

Get a Phase I environmental report Site Assessment or a Home Environmental Database Report for this property directly from Toxics Targeting.

This screening map, provided to PropertyShark by Toxics Targeting, shows environmental hazards such as toxic dumps, garbage landfills, leaking tanks, hazardous waste sites, and pollution discharges reported by local, state and federal government authorities.

Call 800-2-TOXICS (800-286-9427 NYS only) or 607-273-3391 for more info.



Toxic Sites on the Property

Selected NYC environmental quality review 'E' designation	1
Total toxic sites on the property	1

Toxic Sites near the Property

Selected NYC environmental quality review 'E' designation	1
Total neighboring toxic sites	1





Map Disclaimer: Mapped locations are approximate; sites are identified based on current and/or historic information. Regulatory status of sites may have changed. Site symbols can refer to large properties, additional toxic sites are not mapped. Contamination problems can impact properties far from toxic sources. Sites include known and potential hazards.

2. FEMA Flood Zones

Use this map to determine if the property is in a flood zone.



Moderate to low risk areas
X
0.2% PCT
High risk areas
A
AE
High risk-coastal areas
VE

Floodway
COBRA **
** Coastal barrier resources system area

Link to the map for this property at **FEMA's Map Service Center** (may not be available in all locations).

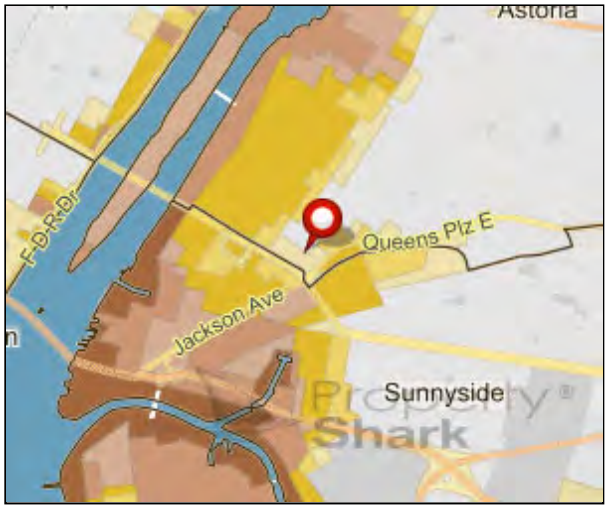
FEMA Flood Zoning

FEMA flood zone(s)	**X**
Coastal barrier resources system area (COBRA)	**Out**
Floodway	**Out**
FEMA special flood hazard area	**Out**
Map panel ID	**3604970089F,3604970093F**
Map quaderant ID	**40073-G8**

Distance to...

Nearest distance to coastline (miles)	**0.545**
Compass direction to coastline	**260**
Nearest distance to 100 year flood zone area (ft)	**55**
Angle100	**329**

3. Hurricane Evacuation Zones



Zone: **6**

This map shows hurricane evacuation zones. In the case of coastal storms, the City may order the evacuation of neighborhoods in danger of flooding, the most critical being Zone 1.

Hurricane evacuation zones
Zone 1
Zone 2
Zone 3
Zone 4
Zone 5
Zone 6

Disclaimer

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All data comes from government sources. No attempt has been made to validate it. No attempt has been made to validate the accuracy of the programming of this web site. Do not rely on this report to support investment decisions. The only authoritative source for the information in this report is the government agencies from which the data was acquired.

Thank you for submitting your request through Open FOIL NY. Here is your Open FOIL NY confirmation information for future reference:

MORLEY_DEC_20210407105709277

Your FOIL request has been forwarded to the organization(s) you selected, and the respective Records Access Officer will contact you directly for further processing of your request.

Please allow up to five business days for such communication(s).

In light of New York State's reduction in workforce as part of the ongoing response to the COVID-19 pandemic, there may be delays in response to FOIL requests. Thank you for your patience during this extraordinary time.

For your convenience, here is additional contact information:

Department of Environmental Conservation Records Access Office
625 Broadway
Albany NY, 12233-1500
518-402-9522

SUBMIT NEW FOIL REQUEST

Accessibility (http://www.ny.gov/node/55121)
Language Access
(https://www.ny.gov/language-access-policy)
App Directory
(http://www.ny.gov/mobileapps)
Counties (http://www.ny.gov/counties)
Disclaimer (http://www.ny.gov/node/55126)
Events (http://www.ny.gov/events)

(/)

FOIL-2021-826-01418

Title:
Under Review

Open

Department of Environmental Protection (DEP)

Acknowledgment
Due Date:
04/14/2021

Contact the Agency

Responses

There are no responses available for this request.

Directory of City Agencies (http://www1.nyc.gov/nyc-resources/agencies.page)

Contact NYC Government (http://www1.nyc.gov/home/contact-us.page)

City Employees (https://a127-ess.nyc.gov)

Notify NYC (http://www.nyc.gov/notifynyc)

CityStore (http://a856-citystore.nyc.gov/)

Stay Connected (http://www1.nyc.gov/connect/social-media.page)

NYC Mobile Apps (http://www1.nyc.gov/connect/applications.page)

Maps (http://www1.nyc.gov/nyc-resources/nyc-maps.page)

Resident Toolkit (http://www1.nyc.gov/nyc-resources/resident-toolkit.page)

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Gmail

Ryan Morley <ryanm@pwgrosser.com>

[OpenRecords] FOIL Request Submitted to Department of Health and Mental Hygiene (DOHMH)

1 message

donotreply@records.nyc.gov <donotreply@records.nyc.gov> Wed, Apr 7, 2021 at 11:07 AM
Reply-To: foil@health.nyc.gov
To: ryanm@pwgrosser.com

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: 28-12 41st Avenue, Long Island City, New York (Block 417, Lot 20)

Request Description: Seeking records of health violations at this property.

Requester's Contact Information

Name:
Ryan Morley
Title:
Project Manager
Organization:
PW Grosser Consulting
Email:
ryanm@pwgrosser.com
Phone Number:
(516) 424-4603
Fax Number:
Not provided
Street Address (line 1):
630 Johnson, Ste. 7
Street Address (line 2):
Not provided
City:
Bohemia
State:
NY
Zip Code:
11716

Please contact the Department of Health and Mental Hygiene (DOHMH) via email at foil@health.nyc.gov for any further information.

Gmail

Ryan Morley <ryanm@pwgrosser.com>

[OpenRecords] Request FOIL-2021-057-06176 Submitted to New York City Fire Department (FDNY)

1 message

donotreply@records.nyc.gov <donotreply@records.nyc.gov> Wed, Apr 7, 2021 at 11:11 AM
Reply-To: foilrequests@fdny.nyc.gov
To: ryanm@pwgrosser.com

Your request FOIL-2021-057-06176 has been successfully submitted to the New York City Fire Department (FDNY). The details of your request are shown below.

Request Title: 28-12 41st Avenue, Long Island City, New York (Block 417, Lot 20)

Request Description: Fuel Tank Special Report (Environmental Assessment Report)

Request Type: Fuel Tank Special Report (Environmental Assessment Report)

Fuel Tank Special Report (Environmental Assessment Report)
Submission Method: Online/At Home
Description of Records: Records of fuel or gasoline tanks at this property
Building Address: 2148-2150 Third Avenue and 183 East 117th Street, New York, NY - Records Request
Borough: Queens
Account Info: 630 Johnson, Ste. 7
Incident Date:

Requester's Contact Information

Name:
Ryan Morley
Title:
Project Manager
Organization:
PW Grosser Consulting
Email:
ryanm@pwgrosser.com
Phone Number:
(516) 424-4603
Fax Number:
Not provided
Street Address (line 1):
630 Johnson, Ste. 7
Street Address (line 2):
Not provided
City:
Bohemia
State:
NY
Zip Code:
11716

You can view the request and take any necessary action at the following webpage: https://a860-openrecords.nyc.gov/request/view/FOIL-2021-057-06176.

MyProperty Search Results

NO INFORMATION FOUND FOR THE SUBMITTED ADDRESS

No records were found within the EPA's Facility Registry System (FRS) list of address records for the provided search location. The No Records Certificate is a link to a printable document stating that no record(s) were found for the provided search location.

Search Criteria
Address Searched: 28-12 41st Avenue
City Searched: Long Island City
State Searched: NY

WARNING:
The address entered could not be matched exactly against the EPA's Facility Registry System (FRS) list of address records.
Please make sure you have entered the address correctly for the location you are interested in.

If you would like to utilize additional search tools to investigate areas of interest, please visit the Envirofacts or the Facility Registry System search tools.

Query executed on 04/07/2021 10:52 AM

Disclaimer: The MyProperty reports are provided solely for informational purposes. They do not provide legal advice, have legally binding effect, or expressly or implicitly create, expand, or limit any legal rights, obligations, responsibilities, expectations, or benefits in regard to any person. EPA maintains the application to enhance public access to environmental information. This service has continual data updates, and we will correct errors brought to our attention, as appropriate.

Google Maps 28-1 41st Ave



Image capture: Jun 2009 © 2021 Google

New York

Google

Street View

Form 54-C (Rev. 7/64)-33M-705151(67)-346

DEPARTMENT OF BUILDINGS

BOROUGH OF QUEENS, THE CITY OF NEW YORK

Date 1/6/72 No. 8 182224

CERTIFICATE OF OCCUPANCY

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

This certificate supersedes C. O. No.

THIS CERTIFIES that the new—~~altered~~—~~existing~~—building—premises located at 28-12 41st Avenue Block 417 Lot 20

That the zoning lot and premises above referred to are situated, bounded and described as follows:

BEGINNING at a point on the South side of 41st Avenue distant 75 feet West from the corner formed by the intersection of 41st Avenue and 29th Street

running thence S 100.05 feet; thence W 25.02 feet;
thence N 100.05 feet; thence E 25.02 feet;
running thence ..... feet; thence ..... feet;

to the point or place of beginning, conforms substantially to the approved plans and specifications, and to the requirements of the Building Code, the Zoning Resolution and all other laws and ordinances, and of the rules of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646c of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

N.B. or Alt. No.— ~~XXXX~~ NB 995/69 Construction classification— Non-fire

Occupancy classification— Commercial . Height 1 stories, 14.83 feet.

Date of completion— 12/21/71 . Located in M1-3 Zoning District.

at time of issuance of permit.

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: and The City Planning Commission: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

Off-Street Parking Spaces .....

Off-Street Loading Berths .....

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE
1st	On Ground	8	Machine tools, including metal lathes, metal presses, metal stamping machines, or similar products. Metal finishing, plating, grinding, sharpenings, polishings, cleaning, rustproofing, heat treatment or similar processes. All as per U.G. 17B and storage of same.

THIS CERTIFICATE OF OCCUPANCY MUST BE POSTED WITHIN THE BUILDING IN ACCORDANCE WITH THE RULES OF THE DEPARTMENT PROMULGATED MARCH 31ST, 1967.

Sewage Disposal:
Sanitary Drainage ..... (DOES) (DOES NOT) Discharge Into Either Sanitary or Combined Sewer

Storm Drainage ..... (DOES) (DOES NOT) Discharge Into Either Storm or Combined Sewer

W. Irving Sigmund
Borough Superintendent

OFFICE COPY—DEPARTMENT OF BUILDINGS

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Application Details

The below information does not include work types submitted in DOB NOW; use the DOB NOW Public Portal to access DOB NOW records.

Premises: 28-10 41 AVENUE QUEENS **Job No: 402527100**
BIN: 4005027 Block: 417 Lot: 20 **Document: 01 OF 1**
Job Type: A2 - ALTERATION TYPE 2

Document Overview	Items Required	Virtual Job Folder	All Permits		Schedule B
Fees Paid	Forms Received		All Comments		Plumbing Inspections
Crane Information	Plan Examination				
After Hours Variance Permits					

This job is not subject to the Department's Development Challenge Process. For any issues, please contact the relevant borough office.

JOB WITHDRAWN AS OF 07/11/2013

---------- * PROFESSIONALLY CERTIFIED * ----------

AUDIT: ACCEPTED 05/29/2013

Last Action: PERMIT ISSUED - ENTIRE JOB/WORK 04/12/2007 (R)

Application approved on: 04/12/2007

Pre-Filed: 01/19/2007 **Building Type:** Other **Estimated Total Cost:** $5,000.00
Date Filed: 01/19/2007 **Electronically Filed:** Yes PC-FILED
Fee Structure: STANDARD
Review is requested under Building Code: Prior-to-1968

Job Description Comments

1 Location Information (Filed At)

House No(s): 28-12 **Street Name:** 41 AVENUE
Borough: Queens **Block:** 417 **Lot:** 20 **BIN:** 4005027 **CB No:** 401
Work on Floor(s): 001 **Apt/Condo No(s):** **Zip Code:** 11101

2 Applicant of Record Information

Name: Dong S Whang
Business Name: Hitech Engineering **Business Phone:** 718-888-0802
Business Address: 15-41 125th Street College Point NY 11356 **Business Fax:**
E-Mail: **Mobile Telephone:**
License Number: 063625

Applicant Type: ☒ P.E. ☐ R.A ☐ Sign Hanger ☐ R.L.A. ☐ Other

Directive 14 Applicant
Not Provided
Previous Applicant of Record
Not Applicable

3 Filing Representative

None

4 Filing Status

Click Here to View

5 Job Types

☐ **Alteration Type 1 or Alteration Type 1 required to meet New Building requirements (28-101.4.5)**

☐ **Alteration Type 1, OT "No Work"**	☐ **New Building**
☒ **Alteration Type 2**	☐ **Full Demolition**
☐ **Alteration Type 3**	☐ **Subdivision: Improved**
☐ **Sign**	☐ **Subdivision: Condo**

Directive 14 acceptance requested? ☒ Yes ☐ No

6 Work Types

☐ **BL - Boiler**	☐ **FA - Fire Alarm**	☐ **FB - Fuel Burning**	☒ **FS - Fuel Storage**
☐ **FP - Fire Suppression**	☐ **MH - Mechanical**	☐ **PL - Plumbing**	☐ **SD - Standpipe**
☐ **SP - Sprinkler**	☐ **EQ - Construction Equipment**	☐ **CC - Curb Cut**	
☐ **OT - Other**			

7 Plans/Construction Documents Submitted

Plans Page Count: Not Provided

8 Additional Information

Enlargement proposed?

☒ No ☐ Yes ☐ Horizontal ☐ Vertical

9 Additional Considerations, Limitations or Restrictions

Yes	No		Yes	No	
☐	☐	**Alt. required to meet New Building req's (28-101.4.5)**	☐	☐	**Alteration is a major change to exits**
			☐	☐	**Change in number of dwelling units**
			☐	☐	**Change in Occupancy / Use**
			☐	☐	**Change is inconsistent with current certificate of occupancy**
			☐	☐	**Change in number of stories**

☐	☐	**Facade Alteration**	☐	☒	**Infill Zoning**
☐	☒	**Adult Establishment**	☐	☒	**Loft Board**
☐	☐	**Compensated Development (Inclusionary Housing)**	☐	☒	**Quality Housing**
☐	☐	**Low Income Housing (Inclusionary Housing)**	☐	☒	**Site Safety Job / Project**
☐	☒	**Single Room Occupancy (SRO) Multiple Dwelling**	☐	☐	**Included in LMCCC**
☐	☐	**Filing includes Lot Merger / Reapportionment**	**Work Includes:**		
			☐	☐	**Prefab wood I-joists**
			☐	☐	**Structural cold-formed steel**
			☐	☐	**Open-web steel joists**

☐	☒	**Landmark**
☒	☐	**Environmental Restrictions (Little E or RD)**
☐	☐	**Unmapped/CCO Street**
☐	☐	**Legalization**
☐	☒	**Other, Specify:**
☐	☒	**Filed to Comply with Local Law**
☐	☐	**Restrictive Declaration / Easement**
☐	☐	**Zoning Exhibit Record (I,II,III,etc)**
☐	☐	**Filed to Address Violation(s)**

☐	☐	**Work includes lighting fixture and/or controls, installation or replacement. [ECC §404 and §505]**
☐	☐	

Work includes modular construction under New York State jurisdiction

☐ ☐ **Work includes modular construction under New York City jurisdiction**

☐ ☐ **Structural peer review required per BC §1627** **Peer Reviewer License No.(P.E.):**

☐ ☐ **Work includes permanent removal of standpipe, sprinkler or fire suppression related systems**

☐ ☐ **Work includes partial demolition as defined in AC §28-101.5, or the raising/moving of a building**

☐ ☒ **Structural Stability affected by proposed work**

BSA Calendar No.(s):

CPC Calendar No.(s):

10 NYCECC Compliance ***New York City Energy Conservation Code*** **(Applicant Statement)**

Not Provided

11 Job Description

To install two oil storage tanks. This application is field in conjunction with the applkication no. 492498089. There will be no change in use, egress and occuipancy.

Related BIS Job Numbers:

Primary application Job Number:

12 Zoning Characteristics

District(s): M1-5 - LIGHT MANUFACTURING DISTRICT (HIGH PERFORMANCE)

Overlay(s):

Special District(s):

Map No.: 009b **Street legal width (ft.):** **Street status:** ☐ Public ☐ Private

Zoning lot includes the following tax lots: Not Provided

13 Building Characteristics

		2014/2008 Code Designations?
Occupancy Classification: Existing:	D-2 - INDUSTRIAL (LOW HAZARD)	☐ Yes ☒ No
Proposed:		☐ Yes ☐ No
Construction Classification: Existing:	3: NON-FIREPROOF STRUCTURES	☐ Yes ☒ No
Proposed:	3: NON-FIREPROOF STRUCTURES	☐ Yes ☒ No
Multiple Dwelling Classification: Existing:		
Proposed:		
Building Height (ft.): Existing:		
Proposed:	17	
Building Stories: Existing:		
Proposed:	1	
Dwelling Units: Existing:		
Proposed:		

Mixed use building? ☐ **Yes** ☐ **No**

14 Fill

☐ **Not Applicable** ☐ **Off-Site** ☐ **On-Site** ☐ **Under 300 cubic yards**

15 Construction Equipment

Not Applicable

16 Curb Cut Description

Not Applicable

17 Tax Lot Characteristics

Not Provided

18 Fire Protection Equipment

Not Applicable

19 Open Spaces

Not Provided

20 Site Characteristics

Not Provided

21 Demolition Details

Not Applicable

22 Asbestos Abatement Compliance

23 Signs

Not Applicable

24 Comments

Withdrawal Comments for Document 01
SUPERSEDED BY 420554126 AS PER RUBEN DUMPIT 5/29/13

Comments for Document 01
I hereby state that I have exercised a professional standard of care in certifying that the filed application is complete and in accordance with applicable laws, including the rules of the Department of Buildings, as of this date. I am aware the Commissioner will rely upon the truth and
accuracy of this statement. I have notified the owner that this
application has been professionally certified. If an audit or other exam discloses non-compliance, I agree to notify the owner of the remedial
measures that must be taken to meet legal requirements. I further realize that any misrepresentation or falsification of facts made knowingly or negligently by me, my agents or employees, or by others with my knowledge, will render me liable for legal and disciplinary action by the Department of Buildings and other appropriate authorities, including termination of participation in the professional certification procedures at the
Department of Buildings.

25 Applicant's Statements and Signatures (See paper form or check Forms Received)

Yes	No	
☐	☐	**For New Building and Alteration 1 applications filed under the 2008 or 2014 NYC Building Code only: does this building qualify for high-rise designation?**
☐	☐	**Directive 14 applications only: I certify that the construction documents submitted and all construction documents related to this application do not require a new or amended Certificate of Occupancy as there is no change in use, exits, or occupancy.**

26 Owner's Information

Name: Sul H Yoon
Relationship to Owner:
Business Name: Max Cleaners
Business Address: 28-12 41 Ave LIC NY 11101
E-Mail:
Non Profit: ☒ Yes ☐ No
Business Phone: 212-227-9090
Business Fax:
Owner Type: INDIVIDUAL

Yes	No	
☐	☐	**Owner's Certification Regarding Occupied Housing (Remain Occupied)**
☐	☒	**Owner's Certification Regarding Occupied Housing (Rent Control / Stabilization)**
☐	☒	**Owner DHCR Notification**
☐	☐	**Owner's Certification for Adult Establishment**
☐	☐	**Owner's Certification for Directive 14 (if applicable)**

APPENDIX J
SITE INSPECTION CHECKLIST

Phase I ESA Site Inspection Checklist

Site Address: **28-12 41st Avenue, Long Island City, New York 11101**

Inspector: **Ryan Morley**	Date: **March 29, 2021**

Site Contact (include phone #): **Mr. Ari Zubli**

Weather Conditions: **Sunny, 38 degrees.**

Limiting Conditions: **None**

Property Description – Include # of buildings, floors, basements, occupied vs. unoccupied, etc. Also try to identify potential former use based on visual evidence or discussions with site contact. **One story, slab-on-grade vacant warehouse. Occupies the entirety of lot.**

Adjoining Property Description – General site use, evidence of tanks, monitoring wells, etc.

North: **Public school**

South: **Commercial and residential**

East: **Commercial and residential use**

West: **Parking lot, school.**

General Topographic Site Condition and Other Site Notes

Flat

Utilities – Visual Inspection and Discussion with Site Contact

Heating & Cooling System:

Natural gas fired, celling mounted heating units.

Water Supply:
Public

Sanitary System(s):
Connected to sewer.

Electric:
Con Edison

Emergency Generator? Yes / No (If Yes, location, size, type, description, fuel)

No

Site Features – Visual Inspection and Discussion with Site Contact (If yes for any describe in detail)

Aboveground Storage Tanks (ASTs):

Not observed.

Underground Storage Tanks (USTs):

Possible out of use fill port on sidewalk next to north west corner of building.

Hazardous and Non-Haz Chemical Storage:

Not observed.

Waste Generation, Storage and Disposal:

Not observed

PCB Containing Equipment (transformers or hydraulic lifts present?):

Not observed

Interior Drains, Trenches or Sumps:

Not observed

Interior Stains or Corrosion:

No major staining indicative of petroleum or chemical spills was observed.

Unusual Odors:
Not observed.

Interior Pools of Liquid:

Not observed.

Stained Soils, Pavement or Stressed Vegetation:

Not observed.

Drums:
Not observed.

Indications of Solid Waste Disposal:

Not observed.

Exterior Ponds, Pits or Lagoons:

Not observed.

Wastewater or Storm Water Discharge / Disposal:

Not observed

Oil/Water Separators:

Not observed.

Septic Systems / Cesspools:

Not observed.

Wells:

Not observed.

Petroleum or Natural Gas Pipelines or Easements:

Not observed

Other General Observations:

None.

Interview Information

Contact Name: **Ari Zubli**

Relationship to Site: **Ownership**

Years Associated with Site: **30 +**

Topics Discussed:

Prior site use included printing, food storage, and auto repair.

Other Observations

Asbestos Containing Material (List Major Potential ACM Identified):

Not observed

Lead Based Paint (If Built Before 1975, identify chipping paint):

Not observed.

Mold (note any evidence and location):

Not observed.

General Notes or Additional Information

APPENDIX K
QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
LONG ISLAND • MANHATTAN • SARATOGA SPRINGS • SYRACUSE • SEATTLE • SHELTON

Jennifer Lewis, PG • SR. PROJECT MANAGER



PROFESSIONAL EXPERIENCE

PWGC: 13 years

AREAS OF EXPERTISE

Environmental Site Assessment
Vapor Barrier Inspection
Well (Monitoring, Abandonment, Surveying)
Groundwater Remediation via Chemical Injection
Water, Soil, Air Sampling
Field Actions/Work (QA/QC, Protocol, Oversight, Documentation)
Data Management & Interpretation
Laboratory Data Analyses Field Work (Protocol, Oversight, Documentation)
Remedial Investigations QA/QC
Site Investigation/Analysis
Health & Safety Monitoring
Environmental Compliance & Investigation
Soil/Groundwater Investigations, Analysis, Sampling
Underground Injection Well Monitoring
Underground Storage Tank Remediation
Hazardous Waste Site Investigation/Cleanup Support
Work Plan/Report Preparation

EDUCATION & TRAINING/CERTIFICATION

BS, Geology, SUNY Stony Brook, NY
AA, Liberal Arts, Suffolk County Community College, Selden, NY
OSHA Health & Safety 8-hr Supervisor, 40-hr HazWoper
Construction Management Certification
CPR and AED / Basic First Aid
NYSDEC Erosion & Sediment Control Certification
ASTM Training on Phase I and Phase II Environmental Site Assessments for Commercial Real Estate
LIRR Roadway Worker Protection

PROFILE

As a PWGC Sr. Project Manager, Ms. Lewis will provide hands-on support to implement field activities according to work plans and project schedule. She will work closely with clients, sub-contractors, and regulatory agencies to ensure prompt and accurate data collection/dissemination. Her educational background and prior research assignments prepare Ms. Lewis well to support our clients' efforts in meeting environmental management objectives. She will monitor drilling operations and collection of groundwater elevation measurements, as well as perform several methods of groundwater sampling, utilizing numerous field-screening instruments and sampling tools (ie: Manual; Mud Rotary/Hollow Stem Auger, Direct Push Technology, Roto-Sonic Drilling Techniques).

NOTABLE PROJECTS

Brookhaven National Laboratory - Upton, NY

OUIII Western South Boundary/OUI South Boundary Vertical Profiles and Monitoring Well Installation

Ms. Lewis provided sampling services and hydrogeologic oversight for multiple vertical profiles, as part of the on-site OUIII plume evaluation. Her responsibilities included the collection of groundwater samples during sampling. She was responsible for construction observation and documentation for 3 monitoring well installations. After installation, wells were developed by pumping and surging. Ms. Lewis documented field activities and verified the work that was performed in accordance with BNL's Standard Operating Procedures and Project Work Plans. She conducted daily tailgate safety meetings, completed BNL's daily field reports and reported to BNL's Project Manager at the completion of each day.

Pratt Institute – Brooklyn, NY

Well Installation – Ms. Lewis provided over-site for the installation of a geothermal test well. She generated boring logs, documented soil characteristics, and classified in accordance with USGS' Monthly/Quarterly Groundwater/Air Sampling.

Well Monitoring - Ms. Lewis performs routine monitoring and sampling of air and groundwater, and product removal if necessary, at various sites. In addition to the fieldwork at these sites, Ms. Lewis analyzes the data and prepares a site plan and a quarterly report detailing the results and future recommendations.

Brookhaven National Laboratory - Upton, NY

Environmental Protection Division: Groundwater Protection and Remediation – Ms. Lewis supervised the installation of multiple vertical profiles via geoprobe to monitor strontium-90, tritium, and volatile organic compound (VOC) plumes on site. Her responsibilities included the collection of groundwater samples during sampling. Ms. Lewis documented field activities and verified the work that was performed in accordance with BNL's Standard Operating Procedures and Project Work Plans. She conducted daily tailgate safety meetings, completed BNL's daily field reports and reported to BNL's Project Manager at the completion of each day.

Newark-Liberty International Airport

The Automotive Fueling Station at Newark-Liberty Airport is the site of a UST failure regulated by the NJDEP Site Remediation Program. Ms. Lewis performs routine groundwater monitoring and sampling as well as supplemental remedial activities at the site. Ms. Lewis is also responsible for coordinating field activities with regulators and assisting with preparation of periodic Status Reports. Field work and reporting is completed in accordance with NJDEP Technical Requirements for Site Investigation 7.26E.

New York City Housing Authority - New York City, NY

Sub-Surface Investigations - Ms. Lewis performs environmental assessments associated with site specific NYSDEC spill files in order to delineate petroleum and tetrachloroethene impacts. Specifically, collection of soil, groundwater, and sub-surface air samples, oversight of monitoring well installations, preparation and submittal of site assessment reports, and coordination with NYCHA staff and regulatory agencies.

Jackson Heights Property, NY, NY

Professional Support Services - Ms. Lewis provides professional support services to meet the client's environmental engineering management needs. She acts as a liaison to the NYSDEC and prepares and submits quarterly status reports detailing the groundwater sampling events and monthly monitoring events.

Holand Properties - Bronx, NY

Groundwater Remediation via Chemical Injection - Ms. Lewis oversaw the installation of a monitoring well and the injection of Regen-Ox compounds into the eight monitoring wells onsite. She coordinated the surveying of the wells and performed multiple rounds of water level measurements and groundwater sampling to determine the effectiveness of the chemical injection.

The Naftali Group, Brooklyn, NY

NYCOER E-Designation Site – Ms. Lewis has provided management services for the site which was included in the NYCOER E-Designation Program. The services included reporting to the NYCOER, coordinating field efforts, and coordinating with contractors for the removal of impacted soils to site specific cleanup objectives.

105 Metropolitan Ave, NY, NY

NYCOER VCP Site – Ms. Lewis has provided management services for the site which was entered into the NYCOER Voluntary Cleanup Program. The services included reporting to the NYCOER, coordinating field efforts, and coordinating with contractors for the removal of impacted soils to Track 1 standards.

NYCDEP DEP "E" Designation Sites - New York City, NY

RAP & HASP enforcement, air monitoring for particulates and VOCs – Ms. Lewis's on-site services focus on monitoring that work is performed in accordance with the Remedial Action Plan (RAP) and Health & Safety Plan (HASP).

Coney Island Realty

NYSDEC BCP Site – During the Interim Remedial Measure Phase, Ms. Lewis coordinated the soil excavation, community air monitoring, and sampling activities. Ms. Lewis also prepared reports detailing the Supplemental Remedial Investigation and Interim Remedial Measure.

Former Penetrex Remedial Investigation

Ms. Lewis oversaw a chemical injection at a former dry cleaning facility utilizing a Geoprobe® that drilled down to 50 feet below grade and pulled the rods up during the injection.

Former Darby Drug - Rockville Centre, NY

NYSDEC BCP Site – Ms. Lewis has provided oversight during sampling activities at the NYSDEC BCP site as part of the Remedial Investigation Phase. The RI included multi-medium sample collection including groundwater, soil, and soil gas. During the Interim Remedial Measure Phase, Ms. Lewis has provided oversight during the installation of a dewatering and treatment system, soil excavation, sampling activities, community air monitoring, and UIC cleanout.

USEPA Superfund Site
Treatment System O&M
Ms. Lewis provided assistance with the remediation efforts of the down-gradient pond system and oversight of the down-gradient recovery well installation for the USEPA Superfund remediation project. Additional duties included sampling backfill material brought on-site and overseeing the backfilling and compaction of excavations. Allstate Insurance Company – NY Wide
Residential/Commercial Fuel Oil Spills Oversight & Reporting - Ms. Lewis oversees fieldwork for projects such as petroleum spill remediation. She completes spill reports, and coordinates with contractors and the NYSDEC to ensure that the project stays on schedule, is compliant with regulatory guidelines, and meets the client's goals.

UIC Control Programs - Suffolk and Nassau Counties, NY
Remediation Oversight – Ms. Lewis has been overseeing the remediation activities of dry wells (Class V wells) at multiple sites for various clients throughout Suffolk and Nassau Counties. She performs endpoint sampling of storm drains and sanitary systems, coordinates and performs sampling in conjunction with the SCDHS and NCDH, and ensures proper soil and sediment removal during VacTruck operations.

Rechler Equity Partners - Melville, NY
250 Miller Place, Hicksville, NY - The subject site, a large commercial property and formerly used by a circuit board manufacturer and trucking company, had a history of chemical uses (i.e. chlorinated solvents, diesel fuel, and gasoline). To determine if subsurface soils had been impacted, PWGC conducted a Phase II investigation for a potential buyer. Ms. Lewis was present during the Phase II and oversaw the project's subsurface investigation-phase. She directed the Geoprobe® operator, and participated in the preparation of the Phase II investigation report. In addition, Ms. Lewis observed the follow-up investigation and remediation performed by the current property owner's consultant.

Phase II Environmental Site Assessment (ESA)
Phase II ESA preparation, implementation, and completion - Ms. Lewis provides a customized scope of work and relevant documentation to provide clients with pertinent information. She performs Phase II ESAs for private clients, environmental attorneys, municipalities, and lending institutions for use in property transactions according to ASTM Standards.

Franklin Hospital - Valley Stream, NY
Water Sampling - Ms. Lewis collected water samples from the dialysis treatment suite and from a sink in order to determine the source of a bacterial contamination.

Ryan Morley, PG • PROJECT MANAGER



PROFESSIONAL EXPERIENCE
PWGC: 10 years

AREAS OF EXPERTISE
Water, Soil, Air Sampling
Phase I/II ESA
Field Work (Protocol, Oversight, Documentation)
Site Investigation/Analysis
Health & Safety Monitoring
Soil/Groundwater Investigations, Analysis, Sampling
(Manual; Direct Push Technology Techniques)
UST Remediation Hazardous Waste Site Investigation/Cleanup
Underground Injection Well Monitoring

EDUCATION & TRAINING/CERTIFICATION
BS, Geology, University at Buffalo, NY
Licensed Professional Geologist - NY
40-hr OSHA HAZWOPER, 8-hr Annual Refresher, 10-hr Construction Safety & Health
Confined Space Entry
MTA, LIRR & Staten Island Track Safety Training
CPR/Standard First Aid
OSHA 10-hr Construction Course
SWPPP – Stormwater Pollution Prevention Planning Course

PROFILE
Mr. Morley provides hands-on support to implement field activities according to work plans and project schedule. He works closely with clients, sub-contractors, and regulatory agencies to ensure prompt and accurate data collection/dissemination. Routinely, Mr. Morley monitors drilling operations and collection of groundwater elevation measurements, and performs several methods of groundwater sampling, utilizing numerous field-screening instruments, and sampling tools.

NOTABLE PROJECTS
Phase I/Phase II ESA
Phase I & Phase II Environmental Site Assessment (ESA)
Mr. Melia manages Phase I & II ESA preparation, implementation, and completion. For each project, he provides a customized scope of work and relevant documentation to provide clients with pertinent information. He performs Phase I & Phase II ESAs for private clients, environmental attorneys, municipalities, and lending institutions for use in property transactions according to ASTM Standards.

Avalon Bay Communities, Inc. (Former Darby Drug Facility) Rockville Centre, NY
New York State Department of Environmental Conservation (NYSDEC) Brownfield's Clean-up Program (BCP) Implementation at 80-100 Banks Avenue - Mr. Morley performed soil, water, and concrete sampling on site after demolition activities. He was also responsible for the oversight of the strict Community Air Monitoring Program during the soil excavation of the chlorinated solvent impacted soils in the middle of a residential neighborhood. Mr. Morley also provided oversight and sampling of the dewatering and treatment system to ensure compliance with NYSDEC SPDES requirements. Following completion of the groundwater treatment system, he conducted routine operation, maintence and sampling services for the client to ensure that the plume was stabilized as required by the State approved Remedial Action Work Plan.

GTJ-Group/Green Bus Lines, Inc. - Queens/Brooklyn, NY
Hydrogeology/Environmental Services - Services range from Site Investigation (Oversight, and Sample Collection) at six large bus facilities. Mr. Morley conducted site/facility investigations and provided system operation of a free phase groundwater contamination treatment system.
Residential/Commercial Fuel Oil Spills Oversight & Reporting - Mr. Morley oversees planning, contractor solicitation and implementation, fieldwork and project reporting for projects such as petroleum spill investigations and remediation. He prepares spill investigation reports and closure reports, and coordinates with contractors and the NYSDEC to ensure that the project stays on schedule, is compliant with regulatory guidelines, and meets the client's goals.

The Hudson Companies, Brooklyn, NY
NYCDEP Restrictive Declaration Services at 1490 Dumont Avenue in Brooklyn - Mr. Morley was responsible for making sure job proceedings were within NYCDEP regulations. He prepares and implements community air monitoring during remedial activities, inspects vapor barrier installations, and provides oversight during the impacted soil excavation and site remediation activities.

The Witkoff Group, New York, New York
NYCDEP Restrictive Declaration Services at 303 West 10th Street – Mr. Morley provided oversight of contaminated soil cleanup and enforced the correct disposal of soils being exported from the site. In addition, he was responsible for air monitoring and daily reporting to the New York City Office of Environmental Restoration (NYCOER).

Innovant Group - Islandia, NY
Underground Injection Control (UIC) Remediation – Mr. Morley performs endpoint sampling of storm drains and sanitary systems, coordinates and performs sampling in conjunction with the Suffolk County Department of Health Services (SCDHS) and Nassau County Department of Health (NCDH), and ensures proper soil and sediment removal.

Lakehill Associates, Massapequa, NY
Tank Pull & Oxygen Release Compound (ORC) Injection Reporting at 672 Broadway Avenue in Massapequa, NY – Mr. Morley provided field oversight during the removal of Underground Storage Tanks (UST) that included inspecting the tanks for damage and collection of end-point samples. Following the removal of the tanks, he provided oversight of the backfilling as well as Regenox injections and monitoring of the well installation.

Computer Circuits – Hauppauge, NY
US Environmental Protection Agency (USEPA) Regulated Groundwater Sampling - Mr. Morley conducted quarterly sampling at this Federal Superfund site that has a very strict sampling process.

CDM Federal Programs, Matteo & Sons Site -Thorofare, New Jersey
Remedial Investigation/Feasibility Study – The former Computer Circuits industrial site is a US Environmental Protection Agency Superfund Site. Mr. Morley collected groundwater and soil samples in accordance with USEPA guidelines at this National Priorities List site.

Allied Aviation Services of New York, Queens, NY
Sampling - Mr. Morley performs groundwater sampling as well as bimonthly well gauging and product removal at LaGuardia Airport. In addition he assists in the preparation of the status reports quarterly for the submission to the New York State Department of Environmental Conservation (NYSDEC).

105 Metropolitan Ave, LLC, New York, NY
E-Designation Remedial Action Work Plan (RAWP) Implementation - Mr. Morley provided field oversight services at the site which was entered into the NYCOER Voluntary Cleanup Program. Services included reporting to the NYCOER, onsite soil inspection, community air monitoring and coordinating with contractors for the removal of impacted soils to Track 1 standards.

WAREHOUSE BUILDING
28-12 41ST AVENUE
LONG ISLAND CITY, NEW YORK 11101
NEW YORK CITY TAX ID: BLOCK 417, LOT 20

PHASE II
ENVIRONMENTAL SITE ASSESSMENT
(ASTM 1903-11)



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MAY 2021

PWGC
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PHASE II ENVIRONMENTAL SITE ASSESSMENT
28-12 41ST AVENUE, LONG ISLAND CITY, NEW YORK 11101

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PHASE II ENVIRONMENTAL SITE ASSESSMENT
28-12 41ST AVENUE, LONG ISLAND CITY, NEW YORK 11101

FIGURES

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APPENDICES

APPENDIX A	Geophysical Report
APPENDIX B	Soil Boring Logs
APPENDIX C	Laboratory Analytical Reports

1.0 INTRODUCTION AND SCOPE OF WORK

iCross Capital (Client) retained P.W. Grosser Consulting, Inc. (PWGC) to prepare a Phase II Environmental Site Assessment (ESA) for the property located at 28-12 41st Avenue in Long Island City, New York. The purpose of this Phase II ESA was to further evaluate recognized environmental conditions (RECs) identified in the April 2021 Phase I ESA prepared by PWGC to obtain sound, scientifically valid data concerning actual property conditions.

The scope of work for this Phase II ESA is based on the findings of the aforementioned April 2021 Phase I ESA which identified the following RECs:

- According to provided historical documents and reasonably ascertainable information, the site has historically been used for metal works, dry cleaning, and auto repair. Such activities commonly use petroleum product and chlorinated solvents as part of their routine operations. Improper storage and handling of such materials can potentially impact the subsurface. PWGC identified the site's history for metal works, dry cleaning, and auto repair as a REC.
- During the site reconnaissance, PWGC identified a metal-rimmed object approximately three inches in diameter in the sidewalk adjacent to the northwest corner of the building indicative of a possible former fill port for a UST. PWGC did not identify an AST or UST within the property and the site is currently connected to natural gas; however, this metal rimmed object can potentially be associated with a UST under the sidewalk which was used for storing heating oil prior to the site's conversion to natural gas heat. Improperly abandoned USTs are prone to corrosion and leaks which can go unchecked and impact the subsurface. PWGC identified the potential presence of a UST beneath the sidewalk in front of the building on site to be a REC.
- The subject property is listed as an E-Designation site (E-104) for Hazardous Materials with Phase I and Phase II testing protocol required. Based on this potential PWGC believes that this represents a REC for the subject property.

Based on the identified RECs, PWGC recommended a Phase II ESA be performed at the subject property which should include the following tasks:

- Geophysical survey focusing on the potential UST location.
- Subsurface investigation including soil, groundwater, and soil vapor sampling.

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The activities of this Phase II ESA were conducted in accordance with the American Society for Testing and Materials (ASTM) Standard E 1903-11 (Standard Practices for Environmental Site Assessment: Phase II Environmental Site Assessment Process) and in substantial conformance with the New York State Department of Environmental Conservation's (NYSDEC's) Division of Environmental Remediation's (DER's) Technical Guidance for Site Investigation and Remediation, May 2010 (DER-10).

2.0 BACKGROUND

2.1 Site Description and Features

The subject property consists of one parcel located at 28-12 41st Avenue in Long Island City, New York. The subject property is located in the borough of Queens and Queens County, which is located in the City of New York. The property is identified in the New York City Tax Map as Block 417, Lot 20. A Site Location figure is included as **Figure 1** and a Site Plan is illustrating the boundaries of the site is included as **Figure 2**. The subject property measures approximately 5,000 square feet and is improved with a one story, slab-on-grade warehouse building which occupies the entirety of the lot. The building is currently vacant.

2.2 Physical Setting

The topography of the subject property and surrounding area was reviewed from the USGS 7.5-minute series topographic map for the Central Park, New York quadrangle. The property elevation is approximately thirty-three feet above the National Geodetic Vertical Datum (NGVD). Regional physiographic conditions are summarized below.

2.2.1 Regional Geology / Hydrogeology

The geologic setting of Long Island is well documented and consists of crystalline bedrock composed of schist and gneiss overlain by layers of unconsolidated deposits. Immediately overlying the bedrock is the Raritan Formation, consisting of the Lloyd sand confined by the Raritan Clay Member. The Lloyd sand is an aquifer and consists of discontinuous layers of gravel, sand, sandy and silty clay, and solid clay. The Raritan Clay is a solid and silty clay with few lenses of sand and gravel, abundant lignite and pyrite, and gray, red, or white in color.

Above the Raritan Clay lies the Magothy Formation. The Magothy Aquifer consists of layers of fine to coarse sand of moderate to high permeability, with inter-bedded lenses of silt and clay of low permeability resulting in areas of preferential horizontal flow; therefore, this aquifer generally becomes more confined with depth. The Magothy Aquifer is overlain by the Upper Glacial Aquifer. The Upper Glacial Aquifer is the water table aquifer at this location and is comprised of medium to coarse sand and gravel with occasional thin lenses of fine sand and

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brown clay. This aquifer extends from the land surface to the top of the Magothy Aquifer; therefore, is hydraulically connected to the Magothy Aquifer. Based on the findings of the subsurface investigation included in this Phase II ESA, groundwater is located approximately 22 feet below grade. Based on review of regional groundwater contour maps prepared by the United States Geological Survey (USGS), groundwater flow is generally to the southwest.

2.3 Site History and Land Use

Based on review of historic sources as part of the April 2021 Phase I ESA, the subject property was first developed prior to 1898 with two one-story garage buildings which were associated with residential dwellings on neighboring properties. In 1915, The two garage buildings were no longer present and two residential dwellings were present on the northern half of the property. From 1936-1950, two residential dwellings were still present on the northern portion of the site and two shed buildings were built on the southern portion of the site. By 1970, one of the two residential dwellings and one of the shed buildings was removed from the property. The area which formally contained these structures appears to have not been redeveloped at this time. In 1971, the building which currently occupies the entire property is constructed. According to historical information, the subject property has been used for metal works, dry cleaning, and auto repair.

2.4 Adjacent Property Land Use

Based on review of historical sources as part of the April 2021 Phase I ESA, the area surrounding the subject property to the north is currently utilized as a public high school, the property to the west is used for parking, the property to the east is utilized as a mixed use building which includes a deli and bakery, and the property to the south is being utilized as a mixed use commercial and residential building.

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3.0 PHASE II ESA FIELD ACTIVITIES AND FINDINGS

3.1 Scope of Assessment and Rationale

The Phase II ESA documented in this report included the following tasks:

- Geophysical survey focusing on the potential UST area, as well as surveying the entire property to investigate for unknown subgrade objects.
- Installation of four soil borings, SB001 to SB004, to 25 feet below grade to determine if impact to the subsurface caused by historical building operations exists.
- Collection of two groundwater samples, GW001 and GW002, from the site from 21 to 25 feet below grade to assess if groundwater has been impacted by historical site operations or from potential off site sources of contamination.
- Collection of two soil vapor samples, SV001 and SV002, at 2-inches below grade. Soil vapor samples were collected to assess if soil vapor has been impacted by historical site operations or from potential off site sources of contamination.

3.2 Geophysical Survey

On Wednesday, April 21, 2021, PWGC and Associated Environmental Services, Ltd. (Associated) of Hauppauge, New York mobilized to the subject property to perform a geophysical survey. The purpose of the geophysical survey was to determine the absence or presence of a UST along the northern portion of the property underneath the sidewalk, as noted by a potential fill port observed during the April 2021 Phase I ESA, and to investigate for the presence of other subsurface objects such as USTs or drywells that would warrant further investigation.

3.2.1 Electromagnetic Survey

Associated utilized a Fisher M-Scope TW-6 electromagnetic (EM) instrument. The M-Scope uses the principle of EM induction to measure the variability of electrical conductivity of subsurface materials and the presence of buried metal objects. Significant contrasts in the electrical properties between non-indigenous materials and surrounding soil enable accurate delineation of buried waste materials, fill, and geologic features. The large EM response to metal makes this technique particularly well suited to identifying buried metal objects such as underground storage tanks (USTs), metallic wastes, buried drums, pipelines, reinforced building foundations, and other metal components of buried structures. It is, however, equally sensitive to metal objects on the ground surface.

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3.2.2 Ground Penetrating Radar Survey

Following the electromagnetic survey, Associated utilized a Geophysical Survey Systems Inc. SIR-3000 cart-mounted Ground Penetrating Radar (GPR) unit to further investigate metallic anomalies. The GPR method is based upon the transmission of repetitive, radio-frequency electromagnetic (EM) pulses into the subsurface. When the transmitted energy of down-going wave contacts an interface of dissimilar electrical character, part of the energy is returned to the surface in the form of a reflected signal. This reflected signal is detected by a receiving transducer and is displayed on the screen of the GPR unit as well as being recorded on the internal hard drive.

3.2.3 Survey Findings

The findings of the geophysical survey included the following:

- Subsurface anomalies indicative of USTs, or other subgrade structures such as drywells, were not identified at the property, including the northwestern portion of the site where an object potentially indicative of a fill port was identified in the April 2021 Phase I ESA performed by PWGC.

Based on the results of the geophysical survey, there does not appear to be a UST present at the property. A copy of the geophysical report prepared by Associated is included as **Appendix A**.

3.3 Soil Quality Investigation

3.3.1 Soil Boring Protocol and Soil Descriptions

Associated Environmental Services, Inc. of Hauppauge, New York (Associated) provided environmental drilling services on Wednesday, April 21, 2021. A Geoprobe® 6610DT direct-push drill rig was utilized to install the four soil borings.

Soils were collected continuously from ground surface to a depth of 25 feet below grade at each boring location, SB001 to SB004, to observe the underlying strata beneath the building down to the saturated zone at the water table. This depth allowed for the investigation of shallow soils which are most prone to being impacted by historical building operations and the saturated soils at the water table level to determine if potential off site impacts are affecting the subject property, or if impact originating from the subject property is at risk for migrating off site. Soil cores were placed on a table covered with 10-mil polyethylene sheeting in the order they came out of the ground. The acetate liners were cut open and the soil core was screened for the presence of volatile organic compounds (VOCs) utilizing a photoionization detector (PID). Each soil core was classified by a hydrogeologist using the Unified Soil Classification System (USCS). Soils observed at each the borings generally

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consisted of historic fill material comprised of brown, medium to coarse sands with gravel and pieces of concreted entrained in the matrix from grade to a depth of approximately 7 feet. From 7 feet to 15 feet below grade: soils consisted of medium grained light brown sand with trace fines. From 15 to 25 feet below grade: soils consisted of brown fine sands with some silt. At SB001 and SB003, no visual or olfactory evidence of contamination were observed. At SB002 and SB004, soils appeared to have minor staining with black coloration at 3 to 5 feet below grade and 5 to 7 feet below grade, respectively; however, no odors were observed at SB002 and SB004. PID readings did not exceed 0.0 parts per million (ppm) at each of the four boring locations. At each location, the groundwater table was observed to be at approximately 22 feet below grade.

Soil Boring Logs are included as **Appendix B**.

3.3.2 Sample Collection Protocol

Soil samples were collected from the following locations and depths for the reasoning included below:

- SB001, located at the southeastern portion of the site. Collected sample from 0-2 feet below grade to investigate if historical building operations have impacted the subsurface.
- SB002, located at the southwestern portion of the site. Collected sample from 3-5 feet below grade to determine if the observed staining is potentially associated with subsurface contamination and to investigate if historical building operations have impacted the subsurface.
- SB003, located at the northwestern portion of the site. Collected sample from 0-2 feet below grade to investigate if historical building operations have impacted the subsurface.
- SB004, located at the northeastern portion of the site. Collected sample from 5-7 feet below grade to determine if the observed staining is associated with subsurface contamination and to investigate if historical building operations have impacted the subsurface.

These four soil samples were analyzed for the following parameters:

- VOCs by United State Environmental Protection Agency (USEPA) Method 8260 - Target Compound List (TCL)
- Semivolatile Organic Compounds (SVOCs) by USEPA Method 8270 - (TCL)
- Metals by USEPA Method 6010/7174 – Target Analyte List (TAL)

Soil boring locations are illustrated on **Figure 2**.

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Samples collected for VOC analysis were collected directly from the acetate liners utilizing Encore sampling devices. The remaining sample volumes were transferred to a stainless-steel bowl and homogenized. Once homogenized, samples were transferred to laboratory supplied glassware and packed in a cooler with ice and shipped under proper chain-of-custody procedures to Alpha Analytical of Westborough, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory (ELAP ID 11148), for the analyses listed above.

3.3.3 Soil Analytical Results

Soil sample analytical results were compared to the NYSDEC's Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 and Final Commissioner Policy, CP-51 soil cleanup objectives (SCOs) for unrestricted use (unrestricted SCOs) and restricted residential use (restricted residential SCOs).

VOCs were not detected at concentrations greater than unrestricted use SCOs in the four soil samples collected at the property, including benzene, toluene, ethylbenzene, and xylenes, collectively referred to as BTEX, and commonly associated with auto repair facilities, were not detected at each sampling location. Although not detected at a concentrations greater than unrestricted SCOs, tetrachloroethene was detected at SB001 (0-2'), SB002 (3-5') and SB003 (0-2') at concentrations of 17 µg/kg, 77 ug/kg, and 0,78 µg/kg respectively.

Soil analytical results for SVOCs included concentrations greater than restricted residential SCOs at SB001 (0-2'), SB002 (3-5') and SB003 (0-2'). SVOC compounds which were detected at concentrations greater than restricted residential SCOs at these three locations included benzo(a)anthracene, benzo(b)pyrene, benzo(b)fluoranthene, and Indeno(1,2,3-cd)pyrene. Chrysene was detected at concentrations greater than unrestricted SCOs at these three locations; however, chrysene concentrations were less than restricted residential SCOs. Soil sample results for SB001 (0-2') also included a concentration of Benzo(k)fluoranthene greater than unrestricted SCOs and a concentration of dibenzo(a,h)anthracene greater than restricted residential SCOs. Concentrations of SVOCs at SB004 (5-7') were less than unrestricted SCOs.

Soil analytical results for metals included concentrations greater than restricted residential SCOs at SB001 (0-2'), SB002 (3-5') and SB003 (0-2'). Metals which were detected at concentrations greater than restricted residential SCOs included lead at each of these three locations, mercury at SB002 (3-5') and SB003 (0-2'), and copper at SB003 (3-5'). Zinc was detected at a concentration greater than unrestricted SCOs, however less than restricted residential SCOs, at SB001 (0-2'), SB002 (3-5') and SB003 (0-2'). Concentrations of metals were detected to be

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less than unrestricted SCOs at SB004 (5-7') with the exception of lead. However, the concertation of lead detected at SB004 (5-7') was less than restricted residential SCOs.

In general, analytical results for the soil samples collected during this investigation, namely for SVOCs and metals, are indicative of historic fill, which was observed in the subsurface from the ground-floor level to a depth of approximately seven feet below grade. Although not detected at concentrations greater than unrestricted use SCOs, the analytical results for the VOC tetrachloroethene detected in soil samples indicates that there is a potential source of impact at the subject property which is possibly associated with the subject property's historical use. The staining observed at SB002 and SB004 does not appear to be associated with a significant source of subsurface impact.

Analytical results the four soil samples are detailed in **Tables 1** through **3** and the complete laboratory analytical report is included in **Appendix C**.

3.4 Groundwater Quality Evaluation

3.4.1 Groundwater Assessment and Descriptions

To assess groundwater quality beneath the subject property, two groundwater samples, GW001 and GW002, were collected from temporary groundwater sampling points. At each of the two groundwater sampling locations, Associated Environmental installed a 4-foot long stainless-steel groundwater sampling screen using a Geoprobe® 6610DT direct-push drill rig. The sampling screen was attached to hollow drilling rods which allowed for a sample collection device to be lowered through the rods and into the center of the screen. As the groundwater depth was observed to be approximately 22 feet below grade, the sampling screen was placed at 21 to 25 feet below grade to match the elevation of the top of the groundwater surface. The placement of the sampling screen at this depth was to account for capturing potential petroleum hydrocarbon compounds which float at the surface of the water table, if present. Disposable polyethylene tubing was inserted into the water bearing zone of the sampling screen and outfitted with a stainless-steel check valve. The locations and rational for collecting groundwater samples at these locations is summarized as follows:

- GW001, installed on the southeastern and downgradient portion of the site at the location of SB001. Collected to determine if potential impact to groundwater associated with the site's historical use exists and, if present, is at risk for migrating off site.
- GW002, installed on the northwestern and upgradient portion of the site at the location of SB003. Collected to determine if potential impact to groundwater associated with the site's historical use exists,

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and to determine if off site sources of contamination are impacting groundwater beneath the subject property.

During purging activities, groundwater was observed to be turbid with a brown coloration, likely associated with the presence of high silt content at this interval. Evidence of contamination such as petroleum or chemical odors or a sheen was not observed at either groundwater sampling locations. The locations of the groundwater sampling points are illustrated on **Figure 2.**

3.4.2 Sampling Collection Protocol

Once the groundwater sampling apparatus was installed, approximately four casing volumes of water (approximately 1 gallon) were purged from the temporary sampling points prior to the collection of samples.

Samples were collected in pre-cleaned laboratory supplied glassware and stored on ice in a cooler for transport to Alpha for analysis. The two groundwater samples were collected for the following parameters:

- TCL VOCs by USEPA Method 8260
- TCL SVOCs by USEPA Method 8270
- Total and dissolved TAL Metals by USEPA Method 6010/7174.

Dissolved metals were analyzed to more accurately reflect metal concentrations that have dissolved in the groundwater and have potential to mobilize to other parts of the property or off site. Given that total metals have an affinity to adhere to soil and colloidal particles, elevated metals can be seen in turbid groundwater samples typically obtained during the sampling process. The comparison of total to dissolved analysis demonstrate which metals truly exist dissolved into the groundwater rather than what has adhered to the soils.

3.4.3 Groundwater Analytical Results

Groundwater analytical results were compared to NYSDEC ambient groundwater quality standards (AWQS) class GA specified in 6 NYCRR Part 703.

VOCs were not detected at concentrations greater than AWQS at either groundwater sampling locations including BTEX, which were not detected at either sampling location. Although not detected at concentrations greater than AWQS, tetrachloroethylene was detected at a concentration of 0.62 ug/L at GW001 and 2.5 ug/L at GW002. Although these concentrations are considered to be minor, the presence of tetrachloroethene in

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groundwater beneath the subject property is potentially associated with the tetrachloroethene detected in the soil samples collected at the site and documented in section 3.3.3 of this report

Groundwater analytical results for SVOCs included concentrations greater than AWQS at both sampling locations including benzo(a)anthracene at GW001 and GW002, and benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene at GW002. Each of these exceedances were estimated detections between the reporting limit and the method detection limit.

Several metals were detected at concentrations greater than AWQS in both groundwater sampling locations for the total metals analysis including barium, chromium, iron, lead, magnesium, manganese, nickel sodium, thallium, and zinc; however, only iron at GW001 and sodium at GW002 were detected at concentrations exceeding AWQS in a dissolved phase. Iron and sodium are naturally occurring elements in groundwater in the region and are not considered to be indicative of subsurface contamination.

The concentrations of SVOCs and total metals identified in groundwater samples are likely attributed to the presence of historic fill throughout the area of the subject property and are not associated with specific source of impact emanating from the subject property or from a neighboring property. The presence of tetrachloroethene detected in groundwater is potentially associated with the concentrations of tetrachlorethylene detected in soil samples collected from the property.

Groundwater analytical results are detailed in **Tables 4** through **6** and the complete laboratory analytical report is included in **Appendix C.**

3.5 Soil Vapor Investigation

To evaluate soil vapor quality at the subject property, a soil vapor investigation was performed. The investigation consisted of installing two temporary soil vapor sampling points on the southern-downgradient portion of the site, SV001, and the northern-upgradient portion of the site, SV002. Soil vapor sampling points were installed by PWGC using a hammer drill.

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3.5.1 Sampling Protocol

Sampling was conducted in accordance with the NYSDOH "Guidance for Evaluating Soil Vapor Intrusion in New York State," (NYSDOH Guidance) October 2006. Soil vapor samples were collected into 2.7-liter Summa® vacuum canisters fitted with two-hour flow controllers. The samplers were batch certified clean by the laboratory.

Temporary soil vapor probes were installed through the subsurface to a depth of two inches below grade to capture vapors potentially accumulating beneath the building's foundation. Vapor probes were composed of polyethylene tubing which was shrouded with #2 Morrie and sealed with a bentonite slurry. Prior to sampling the integrity of the sampling port seals was tested using tracer gas analysis. The environment surrounding the seal was enriched with a tracer gas, helium, as readings were collected through the sampling probe with a portable helium detector. Tracer gas readings collected from each soil vapor probe were acceptable indicating the seals were intact and the sampling probes were acceptable for sample collection.

After the initial tracer gas test was performed, one to three volumes of the sample tubing were purged prior to collecting samples using the vacuum of a PID. During purging activities, PID readings did not exceed 0.0 ppm. Soil vapor samples were submitted to Alpha Analytical and analyzed for the following parameters:

- VOCs by USEPA Method TO-15.

3.5.2 Analytical Results

Analytical results for soil vapor were compared to the USEPA Vapor Intrusion Screening Levels (VISL) for default residential target sub-slab and exterior soil gas concentrations, updated November 2020.

VOCs were not detected at concentrations above the VISL at each of the soil vapor sampling locations, with the exception of tetrachloroethene. Tetrachloroethene was detected at concentration of 1,710 µg/m^3 at SV001, which is greater than the VISL of 1,390 µg/m^3. Tetrachloroethene was also detected at a concentration of 139 µg/m^3 at SV002.

The elevated concentration of tetrachloroethene at SV001 was detected near the location of SB002, where tetrachloroethene was detected in the soil sample. Based on this, there is the potential that the soil vapor impact detected at SV001 is associated with an on site source which is possibly related to the subject property's historical uses.

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Analytical results for the soil vapor and outdoor air samples are shown on **Table 7**. The laboratory data report is included as **Appendix C**.

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4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

Based on the findings of this Phase II ESA, PWGC offers the following conclusions:

- Based on the results of the geophysical investigation there does not appear to be USTs present at the property.
- Historic fill material was observed beneath the building from grade to an approximate depth of seven feet. Based on soil analytical results, the historic fill material is impacted with SVOCs and metals at concentrations greater than restricted residential SCOs.
- Based on the soil vapor analytical results, namely SV001, soil vapor appears to be impacted with tetrachloroethene. Based on the detected concentrations of tetrachloroethene in soil samples collected during this investigation, particularly SB002 (3-5'), there is the potential that impact to soil vapor is associated with an on site source of contamination, potentially associated with the site's historical uses.
- Based on groundwater sample analytical results, there does not appear to be a significant impact to groundwater indicative of a specific source of contamination; however, the minor concentrations of tetrachloroethene detected in groundwater are potentially associated with an on site source of impact, possibly related to the site's historical uses.

4.2 Recommendations

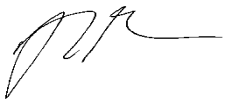
Based on the conclusions detailed above, PWGC offers the following recommendations for the subject property:

- The historic fill material identified to be underneath the building from grade to an approximate depth of seven feet is identified to be impacted with SVOCS and metals greater than restricted residential SCOs. PWGC recommends that this material be handled in accordance with local, state, and federal rules and regulations in the event that this material is disturbed and/or removed from the property as part of future site activities.
- Prior to potential future site redevelopment activities, an additional subsurface investigation is recommended of the southwestern portion of the property to investigate if a significant source of tetrachloroethene impact exists at the property which would warrant remediation.
- Due to the presence of elevated concentrations of tetrachloroethene in soil vapor, a soil vapor mitigation system such as a vapor barrier or sub-slab depressurization system (SSDS) is recommended as part of potential future site redevelopment activities.

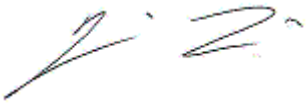
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5.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312. I have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.



Ryan Morley, PG
Project Manager



Jennifer Lewis, PG
Senior Project Manager

Report Completion Date: May 19, 2021

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6.0 REFERENCES

6 NYCRR Part 375 Environmental Remediation Programs Subparts 375-1 to 375-4 & 375-6.

6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations.

CP-51 / Soil Cleanup Guidance.

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

Standard practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process, ASTM Standard E 1903-11.

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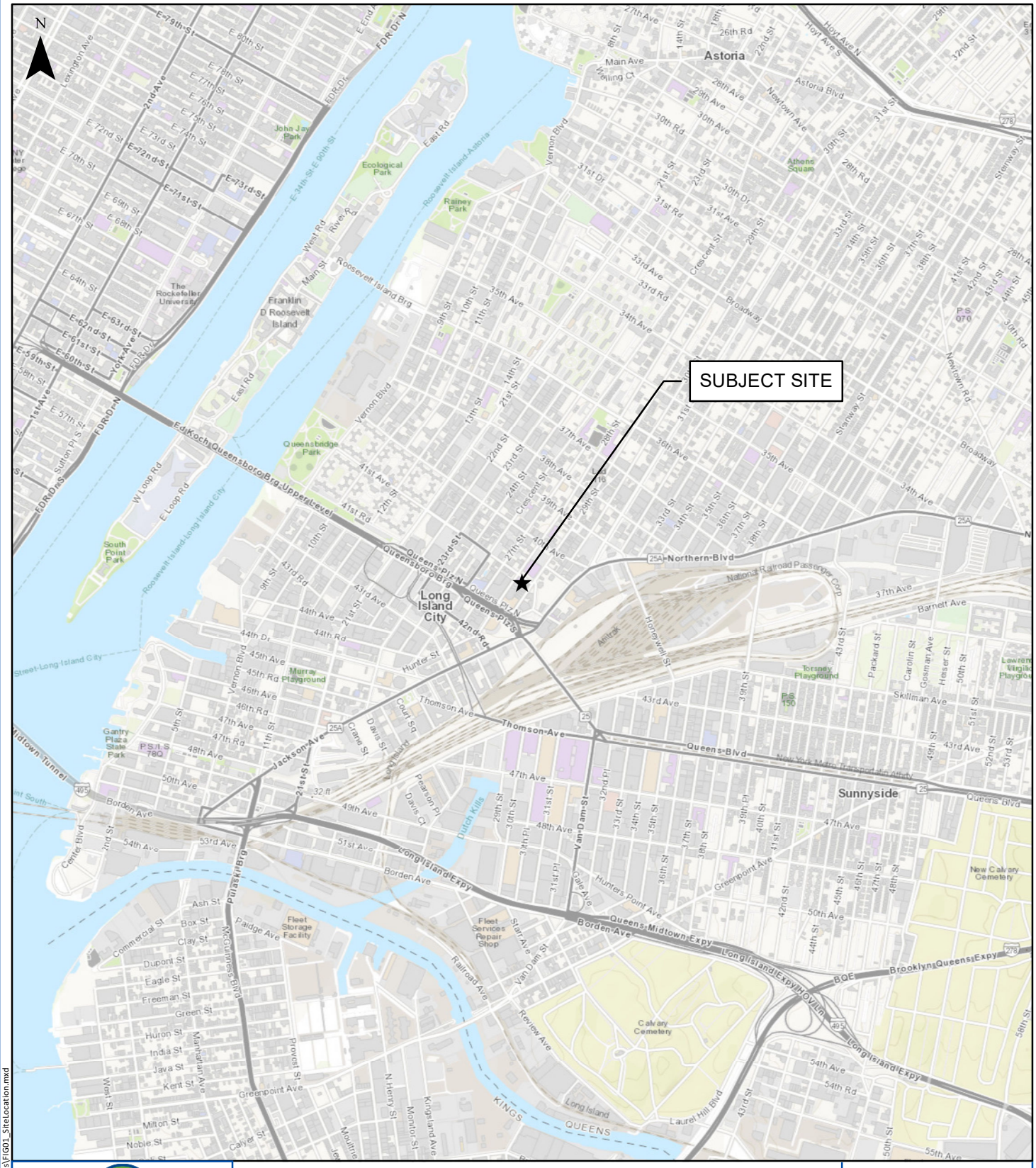
7.0 LIMITATIONS

The conclusions presented in this report are professional opinions based on the data described in this report. These opinions have been arrived at in accordance with currently accepted engineering and hydrogeologic standards and practices applicable to this location, and are subject to the following inherent limitations:

1. The data presented in this report are from visual inspections and examination of records prepared by others. The passage of time, manifestation of latent conditions, or occurrence of future events may require further exploration of the site, analysis of data, and re-evaluation of the findings, observations, and conclusions presented in this report.
2. The data reported and the findings, observations, and conclusions expressed are limited by the scope of work. The scope of work was defined by the request of the client.
3. No warranty or guarantee, whether expressed or implied, is made with respect to the data reported, findings, observations, or conclusions. These are based solely upon site conditions in existence at the time of the investigation, and other information obtained and reviewed by PWGC.
4. The conclusions presented in this report are professional opinions based on data described in this report. They are intended only for the purpose, site location, and project indicated. This report is not a definitive study of contamination at the site and should not be interpreted as such.
5. This report is based, in part, on information supplied to PWGC by third-party sources. While efforts have been made to substantiate this third-party information, PWGC cannot attest to the completeness or accuracy of information provided by others.

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FIGURES



SITE LOCATION

28-12 41st Avenue
Long Island CIty, NY

Miles
0 ¼ ½ ¾ 1

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Project:	ICF2101
Date:	4/8/2021
Designed by:	RM
Drawn by:	UC
Approved by:	RM
Figure No:	1

Document Path: W:\Projects\E-L\ICF\2101\Map files\FIG01_SiteLocation.mxd



Document Path: G:\Shared drives\Projects\ICF-GIS\28-12_41stAve_LongIslandCity\Maps_GIS\FIG02_Siteplan.mxd

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REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	ICF2102	Designed by:	CA
Date:	4/26/2021	Drawn by:	PH
Scale:	AS SHOWN	Approved by:	RM

SITE PLAN

28-12 41st Avenue
Long Island City, NY

FIGURE NO:

2

TABLES

Table 1
Soil Sample Analytical Data Summary
Volatile Organic Compounds
28-12 41st Avenue, Long Island City, New York

Client Sample ID:	NYSDEC Part 375 Soil Cleanup Objectives Unrestricted Use	NYSDEC Part 375 Soil Cleanup Objectives Restricted Residential Use	SB001		SB002		SB003		SB004	
Sample Depth			0-2'		3-5'		0-2'		5-7'	
Laboratory ID:			L2120445-01		L2120445-02		L2120445-03		L2120445-04	
Sampling Date:			4/21/2021		4/21/2021		4/21/2021		4/21/2021	
Volatile Organic Compounds by USEPA method 8260 in ug/kg										
1,1,1,2-Tetrachloroethane	NS	NS	0.5	U	0.56	U	0.68	U	0.67	U
1,1,1-Trichloroethane	680	100,000	0.5	U	0.56	U	0.68	U	0.67	U
1,1,2,2-Tetrachloroethane	NS	NS	0.5	U	0.56	U	0.68	U	0.67	U
1,1,2-Trichloroethane	NS	NS	0.99	U	1.1	U	1.4	U	1.3	U
1,1-Dichloroethane	270	26,000	0.99	U	1.1	U	1.4	U	1.3	U
1,1-Dichloroethene	330	100,000	0.99	U	1.1	U	1.4	U	1.3	U
1,1-Dichloropropene	NS	NS	0.5	U	0.56	U	0.68	U	0.67	U
1,2,3-Trichlorobenzene	NS	NS	2	U	2.3	U	2.7	U	2.7	U
1,2,3-Trichloropropane	NS	NS	2	U	2.3	U	2.7	U	2.7	U
1,2,4,5-Tetramethylbenzene	NS	NS	2	U	2.3	U	2.7	U	2.7	U
1,2,4-Trichlorobenzene	NS	NS	2	U	2.3	U	2.7	U	2.7	U
1,2,4-Trimethylbenzene	3,600	52,000	2	U	2.3	U	2.7	U	2.7	U
1,2-Dibromo-3-chloropropane	NS	NS	3	U	3.4	U	4.1	U	4	U
1,2-Dibromoethane	NS	NS	0.99	U	1.1	U	1.4	U	1.3	U
1,2-Dichlorobenzene	1,100	100,000	2	U	2.3	U	2.7	U	2.7	U
1,2-Dichloroethane	20	3,100	0.99	U	1.1	U	1.4	U	1.3	U
1,2-Dichloroethene, Total	NS	NS	0.99	U	1.1	U	1.4	U	1.3	U
1,2-Dichloropropane	NS	NS	0.99	U	1.1	U	1.4	U	1.3	U
1,3,5-Trimethylbenzene	8,400	52,000	2	U	2.3	U	2.7	U	2.7	U
1,3-Dichlorobenzene	2,400	49,000	2	U	2.3	U	2.7	U	2.7	U
1,3-Dichloropropane	NS	NS	2	U	2.3	U	2.7	U	2.7	U
1,3-Dichloropropene, Total	NS	NS	0.5	U	0.56	U	0.68	U	0.67	U
1,4-Dichlorobenzene	1,800	13,000	2	U	2.3	U	2.7	U	2.7	U
1,4-Dioxane	100	13,000	79	U	90	U	110	U	110	U
2,2-Dichloropropane	NS	NS	2	U	2.3	U	2.7	U	2.7	U
2-Butanone	120	100,000	9.9	U	11	U	14	U	13	U
2-Hexanone	NS	NS	9.9	U	11	U	14	U	13	U
4-Methyl-2-pentanone	NS	NS	9.9	U	11	U	14	U	13	U
Acetone	50	100,000	9.9	U	11	U	14	U	13	U
Acrylonitrile	NS	NS	4	U	4.5	U	5.4	U	5.4	U
Benzene	60	4,800	0.5	U	0.56	U	0.68	U	0.67	U
Bromobenzene	NS	NS	2	U	2.3	U	2.7	U	2.7	U
Bromochloromethane	NS	NS	2	U	2.3	U	2.7	U	2.7	U
Bromodichloromethane	NS	NS	0.5	U	0.56	U	0.68	U	0.67	U
Bromoform	NS	NS	4	U	4.5	U	5.4	U	5.4	U
Bromomethane	NS	NS	2	U	2.3	U	2.7	U	2.7	U
Carbon disulfide	NS	NS	9.9	U	11	U	14	U	13	U
Carbon tetrachloride	760	2,400	0.99	U	1.1	U	1.4	U	1.3	U
Chlorobenzene	1,100	100,000	0.5	U	0.56	U	0.68	U	0.67	U
Chloroethane	NS	NS	2	U	2.3	U	2.7	U	2.7	U
Chloroform	370	49,000	1.5	U	1.7	U	2	U	2	U
Chloromethane	NS	NS	4	U	4.5	U	5.4	U	5.4	U
cis-1,2-Dichloroethene	250	100,000	0.99	U	1.1	U	1.4	U	1.3	U
cis-1,3-Dichloropropene	NS	NS	0.5	U	0.56	U	0.68	U	0.67	U
Dibromochloromethane	NS	NS	0.99	U	1.1	U	1.4	U	1.3	U
Dibromomethane	NS	NS	2	U	2.3	U	2.7	U	2.7	U
Dichlorodifluoromethane	NS	NS	9.9	U	11	U	14	U	13	U
Ethyl ether	NS	NS	2	U	2.3	U	2.7	U	2.7	U
Ethylbenzene	1,000	41,000	0.99	U	1.1	U	1.4	U	1.3	U
Hexachlorobutadiene	NS	NS	4	U	4.5	U	5.4	U	5.4	U
Isopropylbenzene	NS	NS	0.99	U	1.1	U	1.4	U	1.3	U
Methyl tert butyl ether	930	100,000	2	U	2.3	U	2.7	U	2.7	U
Methylene chloride	50	100,000	5	U	5.6	U	6.8	U	6.7	U
n-Butylbenzene	12,000	100,000	0.99	U	1.1	U	1.4	U	1.3	U
n-Propylbenzene	3,900	100,000	0.99	U	1.1	U	1	U	1.3	U
Naphthalene	12,000	100,000	4	U	4.5	U	5.4	U	5.4	U
o-Chlorotoluene	NS	NS	2	U	2.3	U	2.7	U	2.7	U
o-Xylene	NS	NS	0.99	U	1.1	U	1.4	U	1.3	U
p-Chlorotoluene	NS	NS	2	U	2.3	U	2.7	U	2.7	U
p-Diethylbenzene	NS	NS	2	U	2.3	U	2.7	U	2.7	U
p-Ethyltoluene	NS	NS	2	U	2.3	U	2.7	U	2.7	U
p-Isopropyltoluene	NS	NS	0.99	U	1.1	U	1.4	U	1.3	U
p/m-Xylene	NS	NS	2	U	2.3	U	2.7	U	2.7	U
sec-Butylbenzene	11,000	100,000	0.99	U	1.1	U	1.4	U	1.3	U
Styrene	NS	NS	0.99	U	1.1	U	1.4	U	1.3	U
tert-Butylbenzene	5,900	100,000	2	U	2.3	U	2.7	U	2.7	U
Tetrachloroethene	1,300	19,000	17		77		0.68	U	0.78	
Toluene	700	100,000	0.99	U	1.1	U	1.4	U	1.3	U
trans-1,2-Dichloroethene	190	100,000	1.5	U	1.7	U	2	U	2	U
trans-1,3-Dichloropropene	NS	NS	0.99	U	1.1	U	1.4	U	1.3	U
trans-1,4-Dichloro-2-butene	NS	NS	5	U	5.6	U	6.8	U	6.7	U
Trichloroethene	470	21,000	0.5	U	0.64		0.68	U	0.67	U
Trichlorofluoromethane	NS	NS	4	U	4.5	U	5.4	U	5.4	U
Vinyl acetate	NS	NS	9.9	U	11	U	14	U	13	U
Vinyl chloride	20	900	0.99	U	1.1	U	1.4	U	1.3	U
Xylenes, Total	260	100,000	0.99	U	1.1	U	1.4	U	1.3	U

Notes:

New York NYCRR Part 375 Protection of Restricted Residential Use SCO and Unrestricted Use - October 21, 2010

NS - No Standard

D - result is from an analysis that required a dilution

J - analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U - analyte not detected at or above the level indicated

Highlighted text denotes concentrations exceeding Unrestricted Use SCOs

Highlighted text denotes concentrations exceeding Restricted Residential SCOs

Table 2
Soil Sample Analytical Data Summary
Semivolatile Organic Compounds
28-12 41st Avenue, Long Island City, New York

Client Sample ID: Sample Depth Laboratory ID: Sampling Date:	NYSDEC Part 375 Soil Cleanup Objectives Unrestricted Use	NYSDEC Part 375 Soil Cleanup Objectives Restricted Residential Use	SB001 0-2' L2120445-01 4/21/2021	SB002 3-5' L2120445-02 4/21/2021	SB003 0-2' L2120445-03 4/21/2021	SB004 5-7' L2120445-04 4/21/2021
Semivolatile Organic Compounds by USEPA method 8270 in ug/kg						
1,2,4,5-Tetrachlorobenzene	NS	NS	170 U	190 U	180 U	180 U
1,2,4-Trichlorobenzene	NS	NS	170 U	190 U	180 U	180 U
1,2-Dichlorobenzene	1,100	100,000	170 U	190 U	180 U	180 U
1,3-Dichlorobenzene	2,400	49,000	170 U	190 U	180 U	180 U
1,4-Dichlorobenzene	1,800	13,000	170 U	190 U	180 U	180 U
1,4-Dioxane	100	13,000	26 U	28 U	27 U	27 U
2,4,5-Trichlorophenol	NS	NS	170 U	190 U	180 U	180 U
2,4,6-Trichlorophenol	NS	NS	100 U	110 U	110 U	110 U
2,4-Dichlorophenol	NS	NS	150 U	170 U	160 U	160 U
2,4-Dimethylphenol	NS	NS	170 U	190 U	180 U	180 U
2,4-Dinitrophenol	NS	NS	820 U	900 U	880 U	860 U
2,4-Dinitrotoluene	NS	NS	170 U	190 U	180 U	180 U
2,6-Dinitrotoluene	NS	NS	170 U	190 U	180 U	180 U
2-Chloronaphthalene	NS	NS	170 U	190 U	180 U	180 U
2-Chlorophenol	NS	NS	170 U	190 U	180 U	180 U
2-Methylnaphthalene	NS	NS	100 J	97 J	30 J	210 U
2-Methylphenol	330	100,000	170 U	190 U	180 U	180 U
2-Nitroaniline	NS	NS	170 U	190 U	180 U	180 U
2-Nitrophenol	NS	NS	370 U	400 U	390 U	390 U
3,3'-Dichlorobenzidine	NS	NS	170 U	190 U	180 U	180 U
3-Methylphenol/4-Methylphenol	330	100,000	29 J	270 U	260 U	260 U
3-Nitroaniline	NS	NS	170 U	190 U	180 U	180 U
4,6-Dinitro-o-cresol	NS	NS	440 U	490 U	470 U	460 U
4-Bromophenyl phenyl ether	NS	NS	170 U	190 U	180 U	180 U
4-Chloroaniline	NS	NS	170 U	190 U	180 U	180 U
4-Chlorophenyl phenyl ether	NS	NS	170 U	190 U	180 U	180 U
4-Nitroaniline	NS	NS	170 U	190 U	180 U	180 U
4-Nitrophenol	NS	NS	240 U	260 U	260 U	250 U
Acenaphthene	20,000	100,000	420	250	67 J	140 U
Acenaphthylene	100,000	100,000	370	120 J	190	140 U
Acetophenone	NS	NS	170 U	190 U	180 U	180 U
Anthracene	100,000	100,000	1,200	620	360	110 U
Benzo(a)anthracene	1,000	1,000	3,400	1,600	1,800	110 U
Benzo(a)pyrene	1,000	1,000	3,300	1,500	1,800	140 U
Benzo(b)fluoranthene	1,000	1,000	4,200	1,800	2,000	110 U
Benzo(ghi)perylene	100,000	100,000	2,000	820	970	140 U
Benzo(k)fluoranthene	800	3,900	1,300	730	780	110 U
Benzoic Acid	NS	NS	550 U	610 U	590 U	580 U
Benzyl Alcohol	NS	NS	170 U	190 U	180 U	180 U
Biphenyl	NS	NS	390 U	430 U	2,200	410 U
Bis(2-chloroethoxy)methane	NS	NS	180 U	200 U	200 U	190 U
Bis(2-chloroethyl)ether	NS	NS	150 U	170 U	160 U	160 U
Bis(2-chloroisopropyl)ether	NS	NS	200 U	220 U	220 U	210 U
Bis(2-ethylhexyl)phthalate	NS	NS	170 U	84 J	380	180 U
Butyl benzyl phthalate	NS	NS	170 U	190 U	180 U	180 U
Carbazole	NS	NS	590	280	190	180 U
Chrysene	1,000	3,900	3,200	1,600	1,600	110 U
Di-n-butylphthalate	NS	NS	63 J	50 J	180 U	180 U
Di-n-octylphthalate	NS	NS	170 U	190 U	180 U	180 U
Dibenzo(a,h)anthracene	330	330	390	180	190	110 U
Dibenzofuran	7,000	59,000	250	170 J	56 J	180 U
Diethyl phthalate	NS	NS	170 U	190 U	180 U	180 U
Dimethyl phthalate	NS	NS	170 U	190 U	180 U	180 U
Fluoranthene	100,000	100,000	6,300	3,400	3,000	25 J
Fluorene	30,000	100,000	350	250	120 J	180 U
Hexachlorobenzene	330	1,200	100 U	110 U	110 U	110 U
Hexachlorobutadiene	NS	NS	170 U	190 U	180 U	180 U
Hexachlorocyclopentadiene	NS	NS	490 U	540 U	520 U	510 U
Hexachloroethane	NS	NS	140 U	150 U	150 U	140 U
Indeno(1,2,3-cd)pyrene	500	500	2,200	880	1,000	140 U
Isophorone	NS	NS	150 U	170 U	160 U	160 U
n-Nitrosodi-n-propylamine	NS	NS	170 U	190 U	180 U	180 U
Naphthalene	12,000	100,000	250	190	110 J	180 U
NDPA/DPA	NS	NS	140 U	150 U	150 U	140 U
Nitrobenzene	NS	NS	150 U	170 U	160 U	160 U
p-Chloro-m-cresol	NS	NS	170 U	190 U	180 U	180 U
Pentachlorophenol	800	6,700	140 U	150 U	150 U	140 U
Phenanthrene	100,000	100,000	4,500	2,900	1,400	110 U
Phenol	330	100,000	170 U	190 U	180 U	180 U
Pyrene	100,000	100,000	5,500	3,000	2,700	24 J

Notes:

New York NYCRR Part 375 Protection of Restricted Residential Use SCO and Unrestricted Use - October 21, 2010

NS - No Standard

D - result is from an analysis that required a dilution

J - analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U - analyte not detected at or above the level indicated

Highlighted text denotes concentrations exceeding Unrestricted Use SCOs

Highlighted text denotes concentrations exceeding Restricted Residential SCOs

Table 3
Soil Sample Analytical Data Summary
RCRA Metals
28-12 41st Avenue, Long Island City, New York

Client Sample ID: Sample Depth Laboratory ID: Sampling Date:	NYSDEC Part 375 Soil Cleanup Objectives Unrestricted Use	NYSDEC Part 375 Soil Cleanup Objectives Restricted Residential Use	SB001 0-2' L2120445-01 4/21/2021	SB002 3-5' L2120445-02 4/21/2021	SB003 0-2' L2120445-03 4/21/2021	SB004 5-7' L2120445-04 4/21/2021
TAL Metals by USEPA method 8270 in mg/kg						
Aluminum	NS	NS	4,340	5,910	3,560	4,340
Antimony	NS	NS	0.423 J	3.24 J	0.609 J	0.413 J
Arsenic	13	16	1.68	11.9	2.21	1.9
Barium	350	400	196	207	99.2	34.3
Beryllium	7.2	72	0.232 J	0.421 J	0.217 J	0.211 J
Cadmium	2.5	4.3	0.531 J	1.99	0.508 J	0.362 J
Calcium	NS	NS	5,340	2,230	8,310	21,400
Chromium	NS	NS	14.1	19.2	10.4	13.1
Cobalt	NS	NS	5.21	10.3	4.28	4.91
Copper	50	270	22.3	297	31.8	14.6
Iron	NS	NS	10,800	24,200	11,800	12,900
Lead	63	400	839	940	632	75.3
Magnesium	NS	NS	3,920	1,460	2,170	3,190
Manganese	1,600	2,000	234	313	292	320
Mercury	0.18	0.81	0.105	1.78	0.241	0.073 U
Nickel	30	310	12.1	18.6	8.82	11.2
Potassium	NS	NS	831	358	435	504
Selenium	3.9	180	1.66 U	1.02 J	1.67 U	1.69 U
Silver	2	180	0.83 U	0.764 J	0.834 U	0.843 U
Sodium	NS	NS	114 J	75.6 J	82 J	209
Thallium	NS	NS	1.66 U	1.72 U	1.67 U	1.69 U
Vanadium	NS	NS	20.9	56.3	16.6	15.4
Zinc	109	10,000	166	484	144	103

Notes:

New York NYCRR Part 375 Protection of Restricted Residential Use SCO and Unrestricted Use - October 21, 2010

NS - No Standard

D - result is from an analysis that required a dilution

J - analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U - analyte not detected at or above the level indicated

Highlighted text denotes concentrations exceeding Unrestricted Use SCOs

Highlighted text denotes concentrations exceeding Restricted Residential SCOs

Table 4
Groundwater Sample Analytical Data Summary
Volatile Organic Compounds
28-12 41st Avenue, Long Island City, New York

Client Sample ID: Sample Depth Laboratory ID: Sampling Date:	NYSDEC Ambient Groundwater Quality Standards	GW001 21-25' L2120445-05 4/21/2021		GW002 21-25' L2120445-06 4/21/2021	
Volatile Organic Compounds by USEPA method 8260 in ug/l					
1,1,1,2-Tetrachloroethane	5	2.5	U	2.5	U
1,1,1-Trichloroethane	5	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U
1,1,2-Trichloroethane	1	1.5	U	1.5	U
1,1-Dichloroethane	5	2.5	U	2.5	U
1,1-Dichloroethene	5	0.5	U	0.5	U
1,1-Dichloropropene	5	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	5	2	U	2	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	2	U	2	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U
1,2-Dichloroethene, Total	NS	2.5	U	2.5	U
1,2-Dichloropropane	1	1	U	1	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U
1,3-Dichlorobenzene	3	2.5	U	2.5	U
1,3-Dichloropropane	5	2.5	U	2.5	U
1,3-Dichloropropene, Total	NS	0.5	U	0.5	U
1,4-Dichlorobenzene	3	2.5	U	2.5	U
1,4-Dioxane	NS	250	U	250	U
2,2-Dichloropropane	5	2.5	U	2.5	U
2-Butanone	50	5	U	5	U
2-Hexanone	50	5	U	5	U
4-Methyl-2-pentanone	NS	5	U	5	U
Acetone	50	1.5	J	3.4	J
Acrylonitrile	5	5	U	5	U
Benzene	1	0.5	U	0.5	U
Bromobenzene	5	2.5	U	2.5	U
Bromochloromethane	5	2.5	U	2.5	U
Bromodichloromethane	50	0.5	U	0.5	U
Bromoform	50	2	U	2	U
Bromomethane	5	2.5	U	2.5	U
Carbon disulfide	60	5	U	5	U
Carbon tetrachloride	5	0.5	U	0.5	U
Chlorobenzene	5	2.5	U	2.5	U
Chloroethane	5	2.5	U	2.5	U
Chloroform	7	2.5	U	2.5	U
Chloromethane	NS	2.5	U	2.5	U
cis-1,2-Dichloroethene	5	2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U
Dibromochloromethane	50	0.5	U	0.5	U
Dibromomethane	5	5	U	5	U
Dichlorodifluoromethane	5	5	U	5	U
Ethyl ether	NS	2.5	U	2.5	U
Ethylbenzene	5	2.5	U	2.5	U
Hexachlorobutadiene	0.5	2.5	U	2.5	U
Isopropylbenzene	5	2.5	U	2.5	U
Methyl tert butyl ether	10	2.5	U	2.5	U
Methylene chloride	5	2.5	U	2.5	U
n-Butylbenzene	5	2.5	U	2.5	U
n-Propylbenzene	5	2.5	U	2.5	U
Naphthalene	10	2.5	U	2.5	U
o-Chlorotoluene	5	2.5	U	2.5	U
o-Xylene	5	2.5	U	2.5	U
p-Chlorotoluene	5	2.5	U	2.5	U
p-Diethylbenzene	NS	2	U	2	U
p-Ethyltoluene	NS	2	U	2	U
p-Isopropyltoluene	5	2.5	U	2.5	U
p/m-Xylene	5	2.5	U	2.5	U
sec-Butylbenzene	5	2.5	U	2.5	U
Styrene	5	2.5	U	2.5	U
tert-Butylbenzene	5	2.5	U	2.5	U
Tetrachloroethene	5	0.62		2.5	
Toluene	5	2.5	U	2.5	U
trans-1,2-Dichloroethene	5	2.5	U	2.5	U
trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U
trans-1,4-Dichloro-2-butene	5	2.5	U	2.5	U
Trichloroethene	5	0.5	U	0.5	U
Trichlorofluoromethane	5	2.5	U	2.5	U
Vinyl acetate	NS	5	U	5	U
Vinyl chloride	2	1	U	1	U
Xylenes, Total	NS	2.5	U	2.5	U

Notes:
(1) New York NYCRR Part 375 Aimbent Groundwater Quality Standards
NS - No Standard
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
Highlighted text denotes concentrations exceeding NYSDEC AWQS

Table 5
Groundwater Sample Analytical Data Summary
Semivolatile Organic Compounds
28-12 41st Avenue, Long Island City, New York

Client Sample ID: Sample Depth Laboratory ID: Sampling Date:	NYSDEC Ambient Groundwater Quality Standards	GW001 21-25' L2120445-05 4/21/2021		GW002 21-25' L2120445-06 4/21/2021	
Semivolatile Organic Compounds by USEPA method 8270 in ug/l					
1,2,4,5-Tetrachlorobenzene	5	10	U	10	U
1,2,4-Trichlorobenzene	5	5	U	5	U
1,2-Dichlorobenzene	3	2	U	2	U
1,3-Dichlorobenzene	3	2	U	2	U
1,4-Dichlorobenzene	3	2	U	2	U
2,4,5-Trichlorophenol	NS	5	U	5	U
2,4,6-Trichlorophenol	NS	5	U	5	U
2,4-Dichlorophenol	1	5	U	5	U
2,4-Dimethylphenol	50	5	U	5	U
2,4-Dinitrophenol	10	20	U	20	U
2,4-Dinitrotoluene	5	5	U	5	U
2,6-Dinitrotoluene	5	5	U	5	U
2-Chlorophenol	NS	2	U	2	U
2-Methylphenol	NS	5	U	5	U
2-Nitroaniline	5	5	U	5	U
2-Nitrophenol	NS	10	U	10	U
3,3'-Dichlorobenzidine	5	5	U	5	U
3-Methylphenol/4-Methylphenol	NS	5	U	5	U
3-Nitroaniline	5	5	U	5	U
4,6-Dinitro-o-cresol	NS	10	U	10	U
4-Bromophenyl phenyl ether	NS	2	U	2	U
4-Chloroaniline	5	5	U	5	U
4-Chlorophenyl phenyl ether	NS	2	U	2	U
4-Nitroaniline	5	5	U	5	U
4-Nitrophenol	NS	10	U	10	U
Acetophenone	NS	5	U	5	U
Benzoic Acid	NS	50	U	50	U
Benzyl Alcohol	NS	2	U	2	U
Biphenyl	NS	2	U	2	U
Bis(2-chloroethoxy)methane	5	5	U	5	U
Bis(2-chloroethyl)ether	1	2	U	2	U
Bis(2-chloroisopropyl)ether	5	2	U	2	U
Bis(2-ethylhexyl)phthalate	5	1.9	J	2	J
Butyl benzyl phthalate	50	5	U	5	U
Carbazole	NS	2	U	2	U
Di-n-butylphthalate	50	5	U	5	U
Di-n-octylphthalate	50	5	U	5	U
Dibenzofuran	NS	2	U	2	U
Diethyl phthalate	50	5	U	0.48	J
Dimethyl phthalate	50	5	U	5	U
Hexachlorocyclopentadiene	5	20	U	20	U
Isophorone	50	5	U	5	U
n-Nitrosodi-n-propylamine	NS	5	U	5	U
NDPA/DPA	50	2	U	2	U
Nitrobenzene	0.4	2	U	2	U
p-Chloro-m-cresol	NS	2	U	2	U
Phenol	1	5	U	5	U
2-Chloronaphthalene	10	0.2	U	0.2	U
2-Methylnaphthalene	NS	0.05	J	0.04	J
Acenaphthene	20	0.1	U	0.02	J
Acenaphthylene	NS	0.1	U	0.02	J
Anthracene	50	0.1	U	0.05	J
Benzo(a)anthracene	0.002	0.02	J	0.08	J
Benzo(a)pyrene	0	0.1	U	0.06	J
Benzo(b)fluoranthene	0.002	0.1	U	0.08	J
Benzo(ghi)perylene	NS	0.1	U	0.04	J
Benzo(k)fluoranthene	0.002	0.1	U	0.03	J
Chrysene	0.002	0.1	U	0.07	J
Dibenzo(a,h)anthracene	NS	0.1	U	0.01	J
Fluoranthene	50	0.04	J	0.2	
Fluorene	50	0.1	U	0.11	
Hexachlorobenzene	0.04	0.8	U	0.8	U
Hexachlorobutadiene	0.5	0.5	U	0.5	U
Hexachloroethane	5	0.8	U	0.8	U
Indeno(1,2,3-cd)pyrene	0.002	0.1	U	0.04	J
Naphthalene	10	0.13		0.05	J
Pentachlorophenol	1	0.8	U	0.8	U
Phenanthrene	50	0.05	J	0.4	
Pyrene	50	0.03	J	0.2	

Notes:
(1) New York NYCRR Part 375 Aimbent Groundwater Quality Standards
NS - No Standard
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
Highlighted text denotes concentrations exceeding NYSDEC AWQS

Table 6
Groundwater Sample Analytical Data Summary
TAL Metals
28-12 41st Avenue, Long Island City, New York

Client Sample ID: Sample Depth: Laboratory ID: Sampling Date:	NYSDEC Ambient Groundwater Quality Standards	GW001 21-25' L2120445-05 4/21/2021		GW002 21-25' L2120445-06 4/21/2021	
		Total	Dissolved	Total	Dissolved
Total/Dissolved TAL Metals (mg/l)					
Aluminum	NS	10.3	1.07	8.17	0.00986 J
Antimony	0.003	0.0005 J	0.00078 J	0.008 U	0.00051 J
Arsenic	0.025	0.00627	0.00035 J	0.00405	0.00022 J
Barium	1	1.076	0.02464	2.045	0.0793
Beryllium	0.003	0.00143	0.0005 U	0.00149	0.0005 U
Cadmium	0.005	0.00157	0.0002 U	0.00262	0.0002 U
Calcium	NS	1140	24	2040	98.7
Chromium	0.05	0.06868	0.00361	0.05277	0.001 U
Cobalt	NS	0.1017	0.0011	0.1522	0.00196
Copper	0.2	0.1697	0.00489	0.05881	0.00047 J
Iron	0.3	27	2.29	13.9	0.0466 J
Lead	0.025	0.02751	0.00143	0.02288	0.001 U
Magnesium	35	155	7.62	153	34
Manganese	0.3	13.86	0.05244	17.7	0.2827
Mercury	0.0007	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	0.1	0.2017	0.00339	0.1293	0.00638
Potassium	NS	10.6	2.66	18.2	5.32
Selenium	0.01	0.00738	0.005 U	0.0133	0.00432 J
Silver	0.05	0.0004 U	0.0004 U	0.0008 U	0.0004 U
Sodium	20	6.29	2.95	29.6	23.9
Thallium	0.0005	0.00045 J	0.00037 J	0.00054 J	0.00022 J
Vanadium	NS	0.023	0.00268 J	0.01435	0.005 U
Zinc	2	2.72	0.01715	0.1109	0.01 U

Notes:

(1) New York NYCRR Part 375 Aimbent Groundwater Quality Standards

NS - No Standard

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.

Highlighted text denotes concentrations exceeding NYSDEC AWQS

Table 7
Soil Vapor Sample Analytical Data Summary
Volatile Organic Compounds
28-12 41st Avenue, Long Island City, New York

Client Sample ID: Sample Depth Laboratory ID: Sampling Date:	USEPA VISL	SV001 2" L2120384-01 4/21/2021		SV002 2" L2120384-02 4/21/2021	
Volatile Organic Compounds - Concentrations in ug/m^3					
1,1,1-Trichloroethane	174,000	11.1		10.9	U
1,1,2,2-Tetrachloroethane	16.1	5.72	U	13.7	U
1,1,2-Trichloroethane	6.95	4.54	U	10.9	U
1,1-Dichloroethane	585	3.37	U	8.09	U
1,1-Dichloroethene	6,950	3.30	U	7.93	U
1,2,4-Trichlorobenzene	69.5	6.18	U	14.8	U
1,2,4-Trimethylbenzene	2,090	4.10	U	9.83	U
1,2-Dibromoethane	1.56	6.40	U	15.4	U
1,2-Dichlorobenzene	6,950	5.01	U	12.0	U
1,2-Dichloroethane	36	3.37	U	8.09	U
1,2-Dichloropropane	139	3.85	U	9.24	U
1,3,5-Trimethylbenzene	2,090	4.10	U	9.83	U
1,3-Butadiene	31.2	1.84	U	4.42	U
1,3-Dichlorobenzene	NS	5.01	U	12.0	U
1,4-Dichlorobenzene	85.1	5.01	U	12.0	U
1,4-Dioxane	187	3.00	U	7.21	U
2,2,4-Trimethylpentane	NS	3.89	U	9.34	U
2-Butanone	174,000	6.13	U	14.7	U
2-Hexanone	1040	3.41	U	8.20	U
3-Chloropropene	34.8	2.61	U	6.26	U
4-Ethyltoluene	NS	4.10	U	9.83	U
4-Methyl-2-pentanone	104,000	8.52	U	20.5	U
Acetone	1,070,000	34.7		67.0	
Benzene	120	2.66	U	6.39	U
Benzyl chloride	19.1	4.31	U	10.4	U
Bromodichloromethane	25.3	5.58	U	13.4	U
Bromoform	851	8.61	U	20.7	U
Bromomethane	174	3.23	U	7.77	U
Carbon disulfide	24,300	2.59	U	6.23	U
Carbon tetrachloride	156	5.24	U	12.6	U
Chlorobenzene	1,740	3.84	U	9.21	U
Chloroethane	348,000	2.20	U	5.28	U
Chloroform	40.7	4.07	U	9.77	U
Chloromethane	3130	1.72	U	4.13	U
cis-1,2-Dichloroethene	NS	4.20		7.93	U
cis-1,3-Dichloropropene	NS	3.78	U	9.08	U
Cyclohexane	209,000	2.87	U	6.88	U
Dibromochloromethane	NS	7.10	U	17.0	U
Dichlorodifluoromethane	3,480	7.91		9.89	U
Ethanol	NS	40.5		94.2	U
Ethyl Acetate	2,430	7.50	U	18.0	U
Ethylbenzene	374	3.62	U	8.86	
Freon-113	174,000	6.38	U	15.3	U
Freon-114	NS	5.82	U	14.0	U
Heptane	NS	4.18		179	
Hexachlorobutadiene	42.5	8.89	U	21.3	U
Isopropanol	6,950	9.39		13.0	
Methyl tert butyl ether	3,600	3.00	U	7.21	U
Methylene chloride	20,900	7.23	U	17.4	U
n-Hexane	24,300	3.70		131	
o-Xylene	3,480	3.62	U	22.1	
p/m-Xylene	3,480	7.25	U	43.9	
Styrene	34,800	3.55	U	8.52	U
Tertiary butyl Alcohol	NS	6.31	U	28.0	
Tetrachloroethene (PCE)	1,390	1,710		139	
Tetrahydrofuran	69,500	6.13	U	14.7	U
Toluene	174,000	5.73		19.4	
trans-1,2-Dichloroethene	NS	3.30	U	7.93	U
trans-1,3-Dichloropropene	NS	3.78	U	9.08	U
Trichloroethene (TCE)	69.5	19.3		10.7	U
Trichlorofluoromethane	NS	4.68	U	11.2	U
Vinyl bromide	62.4	3.64	U	8.74	U
Vinyl chloride	55.9	2.13	U	5.11	U

Notes:

EPA VISL Default Residential Target Sub-Slab & Exterior Soil Gas Concentrations (TCR = 1E-05; THQ = 1) Criteria per VISL Calculator, Updated November 2020 (November 2020 RSLs).
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
Gray highlighted indicates soil vapor concentration in ezxeeedance of VISL
NS - No Standard

PWGC
CLIENT DRIVEN SOLUTIONS

APPENDIX A
Geophysical Report

Associated Environmental Services, Ltd.

UTILITY/GEOPHYSICAL INVESTIGATION REPORT

SITE LOCATION:
28-14 41st Avenue
Long Island City, NY

PREPARED FOR:
P.W. Grosser
630 Johnson Ave, Suite 7
Bohemia, NY 11716

PREPARED BY:
John Schretzmayer
Associated Environmental Services, Ltd
25 Central Ave
Hauppauge, NY 11788

May 17, 2021

Associated Environmental Services, Ltd (AES) is pleased to provide the results of the geophysical survey conducted at 28-14 41st Avenue, Long Island City, NY.

1.0 INTRODUCTION

On April 21, 2021 Associated Environmental Services, Ltd (AES) personnel performed a limited geophysical investigation and utility markout at 28-14 41st Avenue, Long Island City, NY. All accessible areas throughout the interior of the building and the surrounding area were scanned.

2.0 SCOPE OF WORK

The survey was conducted to locate utilities and subsurface for anomalies for upcoming subsurface work to be conducted at the property.

3.0 METHODOLOGY

Selection of survey equipment is dependent site conditions and project objectives. For this project the technician utilized the following equipment to survey the area of concern:

- Sensors & Software LMX100 ground penetrating radar (GPR)
- Radiodetection RD7000 precision utility locator
- Whites 808 Metal Detector
- Metrotech 810 Cable and Line detector
- Schonstedt Magnetometer
- Fiber Snake

Ground penetrating radar (commonly called GPR) is a geophysical method that has been developed over the past thirty years for shallow, high-resolution, subsurface investigations of the earth. GPR uses high frequency pulsed electromagnetic waves (generally 10 MHz to 1,000 MHz) to acquire subsurface information. Energy is propagated downward into the ground and is reflected back to the surface from boundaries at which there are electrical property contrasts. GPR is a method that is commonly used for environmental, engineering, archeological, and other shallow investigations.

The LMX100 GPR can accept a wide variety of antennas which provide various depths of penetration and levels of resolution. The LMX100 can achieve depths of penetration up to about 20 feet, but this depth may be greatly reduced due to site-specific conditions. Signal penetration decreases with increased soil conductivity. Conductive materials attenuate or absorb the GPR signal. As depth increases the return signal becomes weaker. Penetration is the greatest in unsaturated sands and fine gravels. Clayey, highly saline or saturated soils, areas covered by steel reinforced concrete, foundry slag, of other highly conductive materials significantly reduces GPR depth of penetration. The GPR was configured to transmit to a depth of approximately 18 feet below the subsurface.

The RD7000 precision utility locator uses radio emission to trace the location of metal bearing utilities. This radio emission can be active or passive. Active tracing requires the attachment of a radio transmitter to the utility, passive tracing uses radio emissions that are present on the utility. Underground electrical utilities typically emit radio signals that this device can detect.

The Metrotech 810 is designed to find pipes, cables and the Whites 808/Schonstedt Magnetometer is used to locate other metallic objects such as underground storage tanks and voids (drywells). One surveyor can carry both the transmitter and receiver together, making it ideally suited for exploration type searches of ferrous metal masses. Metal detectors of this type operate by generating a magnetic field at the transmitter which causes metallic objects in the subsurface to generate a secondary magnetic field. The induced secondary field is detected by the receiver, which generates an audible tone equal to the strength of the secondary field.

The fiber snake is used to snake underground pipes and is used in conjunction with the Metrotech 810 Cable and Line detector.

4.0 SURVEY FINDINGS

The GPR survey indicated several anomalies during the GPR survey. Location of the anomalies can be found in the attached figure. No anomalies indicative of a drywell or UST were found during the GPR Survey.

Utility Survey
Sewer, water, electric and gas lines were marked with paint and flags. See figure, photos and site sketch attached. All soil boring locations were cleared for utilities prior to drilling.

5.0 SURVEY LIMITATIONS

Only detectable utilities in the immediate area of 28-14 41st Avenue, Long Island City, NY. were marked.

6.0 WARRANTIES AND DISCLAIMER

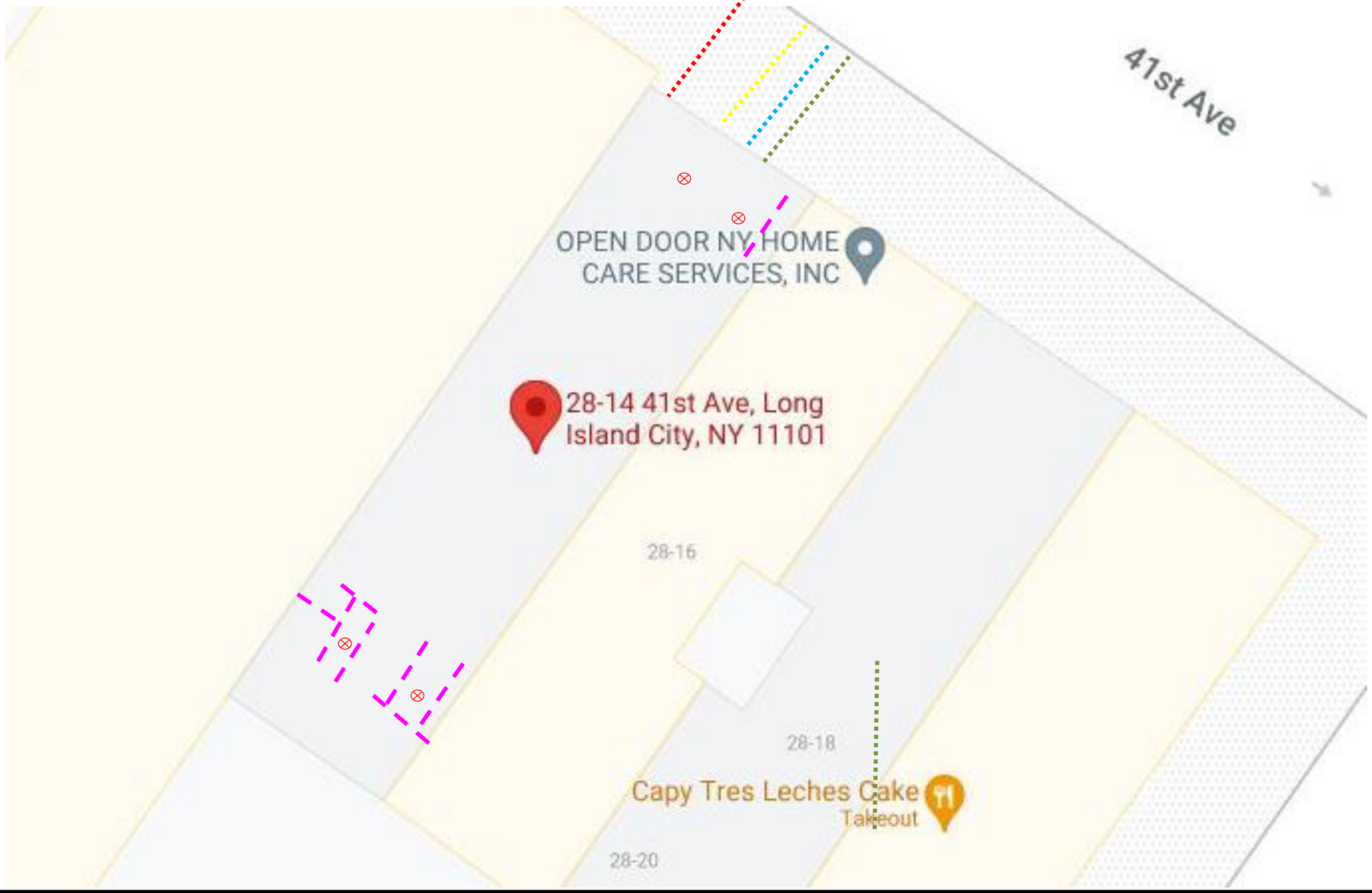
As with any geophysical method, it must be stressed that caution be used during any excavation or intrusive testing in proximity to any anomalies indicated in this report. In addition, the absence of detected signatures does not preclude the possibility that targets may exist. To the extent the client desires more definitive conclusions than are warranted by the currently available facts; it is specifically AES's intent that the conclusions stated herein will be intended as guidance.

This report is based upon the application of scientific principles and professional judgment to certain facts with resultant subjective interpretations. Professional judgments expressed herein are based on the facts currently available within the limit or scope of work, budget and schedule. AES represents that the services were performed in a manner consistent with currently accepted professional practices employed by geophysical/geological consultants under similar circumstances. No other representations to Client, express or implied, and no warranty or guarantee is included or intended in this agreement, or in any report, document, or otherwise.

This report was prepared pursuant to the contract AES has with the Client. That contractual relationship included an exchange of information about the property that was unique and between AES and its client and serves as the basis upon which this report was prepared. Because of the importance of the understandings between AES and its client, reliance or any use of this report by anyone other than the Client, for whom it was prepared, is prohibited and therefore not foreseeable to AES.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third party beneficiary to AES's contract with the Client. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

ATTACHMENTS



Mark Out Locations
28-14 41st Ave
LIC, NY

LEGEND

- Electric
- -Boring Location
- Gas
- Communication
- - GPR Anomaly Manhole
- -Sewer Service
- -GPR Anomaly

Associated Environmental Services, Ltd.
25 Central Avenue, Hauppauge NY
Ph 631-234-4280 · Fx 631-234-4297

PHOTODOCUMENTATION
28-14 41st Ave
LIC, NY

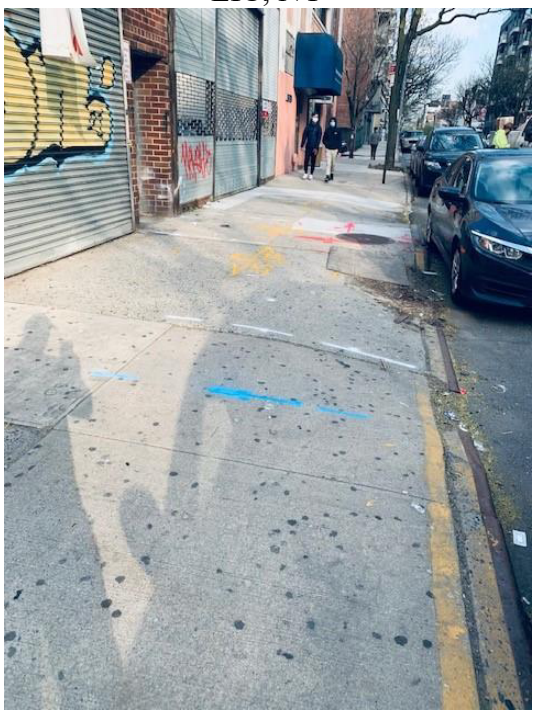


Subject Site


Scanning Sidewalk

Associated Environmental Services, Ltd.

PHOTODOCUMENTATION
28-14 41st Ave
LIC, NY



Marked Utilities



Clearing boreholes inside

Associated Environmental Services, Ltd.

PHOTODOCUMENTATION
28-14 41st Ave
LIC, NY



Clearing boreholes/Anomalies



Clearing boreholes/Anomalies

Associated Environmental Services, Ltd.

APPENDIX B
Soil Boring Logs

PROJECT #:	ICF2102		
SITE ADDRESS:	28-12 41st Avenue Long Island City, NY		
BORING ID:	SB001	BORING DEPTH (FT): 25	CORE LENGTH (FT): 5
GRID:	N/A	BORING DIAMETER (IN): 2	WELL DIAMETER (IN): N/A
DRILLING CONTRACTOR:	Associated Environmental	DATE STARTED: 04/21/2021	DATE FINISHED: 04/21/2021
DRILLING METHOD:	Direct Push	TIME STARTED: 08:25	TIME FINISHED: 08:45
DRILLING EQUIPMENT:	Geoprobe 6610	LATITUDE: N/A	LONGITUDE: N/A
SAMPLING METHOD:	Macrocore	PROJECT MANAGER: Ryan Morley	LOGGED BY: Christopher Autz

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0–2			4	Concrete	0	0–2	
				(Historic Fill) Black, medium Sand, trace Gravel; possible staining, dry and no odor	0		
2–7				(Historic Fill) Brown, medium Sand, trace Gravel; dry and no odor	0	2–7	
7–19			3 3 3	(SP) Brown, medium Sand, trace Fines, dry and no odor	0	7–19	
19–22			3	(SM) Brown, silty Sand, low Plasticity; dry and no odor	0	19–22	
22–25			3	(SM) Brown, silty Sand, low Plasticity; wet and no odor	0	22–25	
25–26						25–26	

▼ Water Table Symbol

P.W. Grosser Consulting	End of Boring Depth (feet): 25	Water Table Symbol: ▼	Page 1 of 1

PROJECT #:	ICF2102		
SITE ADDRESS:	28-12 41st Avenue Long Island City, NY		
BORING ID:	SB002	BORING DEPTH (FT): 25	CORE LENGTH (FT): 5
GRID:	N/A	BORING DIAMETER (IN): 2	WELL DIAMETER (IN): N/A
DRILLING CONTRACTOR:	Associated Environmental	DATE STARTED: 04/21/2021	DATE FINISHED: 04/21/2021
DRILLING METHOD:	Direct Push	TIME STARTED: 09:45	TIME FINISHED: 10:00
DRILLING EQUIPMENT:	Geoprobe 6610	LATITUDE: N/A	LONGITUDE: N/A
SAMPLING METHOD:	Macrocore	PROJECT MANAGER: Ryan Morley	LOGGED BY: Christopher Autz

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)
0–1			4	Concrete	0
1–3				(Historic Fill) Brown, medium Sand, trace Gravel; dry and no odor	0
3–4				(Historic Fill) Black, medium Sand, trace Gravel, possible staining, dry and no odor	0
4–5				(Historic Fill) Brown, medium Sand, trace Gravel; dry and no odor	0
5–7			4		
7–10				(SP) Brown, medium Sand, trace Fines, dry and no odor	0
10–15			3		
15–20			3	(SM) Brown, silty Sand, low Plasticity; dry and no odor	0
20–22			3		
22–25				(SM) Brown, silty Sand, low Plasticity; wet and no odor	0

WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

PROJECT #:	ICF2102		
SITE ADDRESS:	28-12 41st Avenue Long Island City, NY		
BORING ID:	SB003	BORING DEPTH (FT): 25	CORE LENGTH (FT): 5
GRID:	N/A	BORING DIAMETER (IN): 2	WELL DIAMETER (IN): N/A
DRILLING CONTRACTOR:	Associated Environmental	DATE STARTED: 04/21/2021	DATE FINISHED: 04/21/2021
DRILLING METHOD:	Direct Push	TIME STARTED: 10:30	TIME FINISHED: 10:45
DRILLING EQUIPMENT:	Geoprobe 6610	LATITUDE: N/A	LONGITUDE: N/A
SAMPLING METHOD:	Macrocore	PROJECT MANAGER: Ryan Morley	LOGGED BY: Christopher Autz

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0–2			3	Concrete	0	0–2	
2–5				(Historic Fill) Brown, medium Sand, trace Gravel; dry and no odor	0	2–5	
5–7			3	(Historic Fill) Brick, fabric.	0	5–7	
7–15			4	(SP) Brown, medium Sand, trace Fines, dry and no odor	0	7–15	
15–20			3	(SM) Brown, silty Sand, low Plasticity; dry and no odor	0	15–20	
20–25			3	(SM) Brown, silty Sand, low Plasticity; wet and no odor	0	20–25	

P.W. Grosser Consulting	End of Boring Depth (feet): 25	Water Table Symbol: ▼	Page 1 of 1

PROJECT #:	ICF2102
SITE ADDRESS:	28-12 41st Avenue Long Island City, NY
BORING ID:	SB004
GRID:	N/A
DRILLING CONTRACTOR:	Associated Environmental
DRILLING METHOD:	Direct Push
DRILLING EQUIPMENT:	Geoprobe 6610
SAMPLING METHOD:	Macrocore

PWGC

BORING DEPTH (FT): 25	CORE LENGTH (FT): 5
BORING DIAMETER (IN): 2	WELL DIAMETER (IN): N/A
DATE STARTED: 04/21/2021	DATE FINISHED: 04/21/2021
TIME STARTED: 11:30	TIME FINISHED: 11:45
LATITUDE: N/A	LONGITUDE: N/A
PROJECT MANAGER: Ryan Morley	LOGGED BY: Christopher Autz

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)
0–1				Concrete	0
1–5			2	(Historic Fill) Brown, medium Sand, trace Gravel; dry and no odor	0
5–7				(Historic Fill) Black, medium Sand, trace Gravel, possible staining, dry and no odor	0
7–10			3	(SM) Brown, silty Sand, low Plasticity; dry and no odor	0
10–13			3		
13–17			4		
17–20					
20–22			3		
22–25				(SM) Brown, silty Sand, low Plasticity; wet and no odor	0

DEPTH (feet): 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26

WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

PWGC
CLIENT DRIVEN SOLUTIONS

USCS SOIL CLASSIFICATION GUIDE

MAJOR DIVISIONS			LETTER SYMBOL	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS (MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE)	GRAVEL AND GRAVELLY SOILS (MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE)	CLEAN GRAVELS (LITTLE OR NO FINES)	GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
			GP	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
			GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
	SAND AND SANDY SOILS (MORE THAN 50% OF COARSE FRACTION PASSING NO. 4 SIEVE)	CLEAN SAND (LITTLE OR NO FINES)	SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
			SP	POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)	SM	SILTY SANDS, SAND-SILT MIXTURES
			SC	CLAYEY SANDS, SAND-CLAY MIXTURES
FINE GRAINED SOILS (MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE)	SILTS AND CLAYS (LIQUID LIMITS LESS THAN 50)		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
			CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
			OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS (LIQUID LIMITS GREATER THAN 50)		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
			CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
			OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS			PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

RELATIVE DENSITY AND CONSISTENCY CLASSIFICATION

For Sands, Gravels:

Non-Cohesive Soils	N Value (Blows/ft)
Very Loose	0 – 4
Loose	4 – 10
Medium Dense	10 – 30
Dense	30 – 50
Very Dense	50+

For Clays, Silts, Organics:

Cohesive Soils	N Value (Blows/ft)
Very Soft	0 – 2
Soft	2 – 4
Medium (Firm)	4 – 8
Stiff	8 – 15
Very Stiff	15 – 30
Hard	30+

DEFINITIONS OF IDENTIFICATION TERMS FOR GRANULAR SOILS

Principal Component (All Capitalized)

- GRAVEL — More than 50% of the sample by weight is Gravel
- SAND — More than 50% of the sample by weight is Sand
- SILT — More than 50% of the sample by weight is Silt

Minor Component (Proper Case)

- Gravel — Less than 50% of the sample by weight is Gravel
- Sand — Less than 50% of the sample by weight is Sand
- Silt — Less than 50% of the sample by weight is Silt

Proportion terms, for Minor Components

- and — Component ranges from 35% to 50% of the sample by weight
- Some — Component ranges from 20% to 35% of the sample by weight
- Little — Component ranges from 10% to 20% of the sample by weight
- trace — Component ranges from 0% to 10% of the sample by weight

Size of Soil Components

- Gravel
  - Coarse gravel ranges from 3 inches to 1 inch
  - Medium gravel ranges from 1 inch to 3 / 8 inch
  - Fine gravel ranges from 3 / 8 inch to No. 10 sieve
- Sand
  - Coarse sand ranges from No. 10 sieve to No. 30 sieve
  - Medium sand ranges from No. 30 sieve to No. 60 sieve
  - Fine sand ranges from No. 60 sieve to No. 200 sieve
- Silt
  - Material which passes the No. 200 sieve
- Clay
  - Material which passes the No. 200 sieve
  - Exhibits varying degrees of plasticity

Laboratory Test Abbreviation

Laboratory Tests	Abbreviation
Atterberg	ATG
Moisture Content	MC
Sieve Analysis	SA

Gradation Designations

- Coarse to fine (c-f) — All fractions greater than 10% of the component
- Coarse to medium (c-m) — Less than 10% of the component is fine
- Medium to fine (m-f) — Less than 10% of the component is coarse
- Coarse (c) — Less than 10% of the component is medium and fine
- Medium (m) — Less than 10% of the component is coarse and fine
- Fine (f) — Less than 10% of the component is coarse and medium

APPENDIX C
Laboratory Analytical Reports

ANALYTICAL REPORT

Lab Number:	L2120384
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Ryan Morley
Phone:	(631) 589-6353
Project Name:	ICF2102
Project Number:	ICF2102
Report Date:	04/27/21

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: ICF2102
Project Number: ICF2102

Lab Number: L2120384
Report Date: 04/27/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2120384-01	SV001	SOIL_VAPOR	28-12 41ST AVE., LI CITY, NY	04/21/21 10:42	04/21/21
L2120384-02	SV002	SOIL_VAPOR	28-12 41ST AVE., LI CITY, NY	04/21/21 10:39	04/21/21

Project Name:	ICF2102	**Lab Number:**	L2120384
Project Number:	ICF2102	**Report Date:**	04/27/21

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:	ICF2102	**Lab Number:**	L2120384
Project Number:	ICF2102	**Report Date:**	04/27/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on April 20, 2021. The canister certification results are provided as an addendum.

L2120384-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2120384-02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

The WG1490885-3 LCS recoveries for propylene (132%), and 3-chloropropene (136%) are above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of these analytes.

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: 04/27/21

AIR

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120384
Report Date: 04/27/21

SAMPLE RESULTS

Lab ID: L2120384-01 D
Client ID: SV001
Sample Location: 28-12 41ST AVE., LI CITY, NY

Date Collected: 04/21/21 10:42
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/27/21 03:09
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.60	0.833	--	7.91	4.12	--		4.167
Chloromethane	ND	0.833	--	ND	1.72	--		4.167
Freon-114	ND	0.833	--	ND	5.82	--		4.167
Vinyl chloride	ND	0.833	--	ND	2.13	--		4.167
1,3-Butadiene	ND	0.833	--	ND	1.84	--		4.167
Bromomethane	ND	0.833	--	ND	3.23	--		4.167
Chloroethane	ND	0.833	--	ND	2.20	--		4.167
Ethanol	21.5	20.8	--	40.5	39.2	--		4.167
Vinyl bromide	ND	0.833	--	ND	3.64	--		4.167
Acetone	14.6	4.17	--	34.7	9.91	--		4.167
Trichlorofluoromethane	ND	0.833	--	ND	4.68	--		4.167
Isopropanol	3.82	2.08	--	9.39	5.11	--		4.167
1,1-Dichloroethene	ND	0.833	--	ND	3.30	--		4.167
Tertiary butyl Alcohol	ND	2.08	--	ND	6.31	--		4.167
Methylene chloride	ND	2.08	--	ND	7.23	--		4.167
3-Chloropropene	ND	0.833	--	ND	2.61	--		4.167
Carbon disulfide	ND	0.833	--	ND	2.59	--		4.167
Freon-113	ND	0.833	--	ND	6.38	--		4.167
trans-1,2-Dichloroethene	ND	0.833	--	ND	3.30	--		4.167
1,1-Dichloroethane	ND	0.833	--	ND	3.37	--		4.167
Methyl tert butyl ether	ND	0.833	--	ND	3.00	--		4.167
2-Butanone	ND	2.08	--	ND	6.13	--		4.167
cis-1,2-Dichloroethene	1.06	0.833	--	4.20	3.30	--		4.167

Project Name: ICF2102 ***Lab Number:*** L2120384

Project Number: ICF2102 ***Report Date:*** 04/27/21

SAMPLE RESULTS

Lab ID: L2120384-01 D
Client ID: SV001
Sample Location: 28-12 41ST AVE., LI CITY, NY

Date Collected: 04/21/21 10:42
Date Received: 04/21/21
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	2.08	--	ND	7.50	--		4.167
Chloroform	ND	0.833	--	ND	4.07	--		4.167
Tetrahydrofuran	ND	2.08	--	ND	6.13	--		4.167
1,2-Dichloroethane	ND	0.833	--	ND	3.37	--		4.167
n-Hexane	1.05	0.833	--	3.70	2.94	--		4.167
1,1,1-Trichloroethane	2.04	0.833	--	11.1	4.54	--		4.167
Benzene	ND	0.833	--	ND	2.66	--		4.167
Carbon tetrachloride	ND	0.833	--	ND	5.24	--		4.167
Cyclohexane	ND	0.833	--	ND	2.87	--		4.167
1,2-Dichloropropane	ND	0.833	--	ND	3.85	--		4.167
Bromodichloromethane	ND	0.833	--	ND	5.58	--		4.167
1,4-Dioxane	ND	0.833	--	ND	3.00	--		4.167
Trichloroethene	3.59	0.833	--	19.3	4.48	--		4.167
2,2,4-Trimethylpentane	ND	0.833	--	ND	3.89	--		4.167
Heptane	1.02	0.833	--	4.18	3.41	--		4.167
cis-1,3-Dichloropropene	ND	0.833	--	ND	3.78	--		4.167
4-Methyl-2-pentanone	ND	2.08	--	ND	8.52	--		4.167
trans-1,3-Dichloropropene	ND	0.833	--	ND	3.78	--		4.167
1,1,2-Trichloroethane	ND	0.833	--	ND	4.54	--		4.167
Toluene	1.52	0.833	--	5.73	3.14	--		4.167
2-Hexanone	ND	0.833	--	ND	3.41	--		4.167
Dibromochloromethane	ND	0.833	--	ND	7.10	--		4.167
1,2-Dibromoethane	ND	0.833	--	ND	6.40	--		4.167
Tetrachloroethene	252	0.833	--	1710	5.65	--		4.167
Chlorobenzene	ND	0.833	--	ND	3.84	--		4.167
Ethylbenzene	ND	0.833	--	ND	3.62	--		4.167

Project Name: ICF2102 ***Lab Number:*** L2120384

Project Number: ICF2102 ***Report Date:*** 04/27/21

SAMPLE RESULTS

Lab ID: L2120384-01 D
Client ID: SV001
Sample Location: 28-12 41ST AVE., LI CITY, NY

Date Collected: 04/21/21 10:42
Date Received: 04/21/21
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	ND	1.67	--	ND	7.25	--		4.167
Bromoform	ND	0.833	--	ND	8.61	--		4.167
Styrene	ND	0.833	--	ND	3.55	--		4.167
1,1,2,2-Tetrachloroethane	ND	0.833	--	ND	5.72	--		4.167
o-Xylene	ND	0.833	--	ND	3.62	--		4.167
4-Ethyltoluene	ND	0.833	--	ND	4.10	--		4.167
1,3,5-Trimethylbenzene	ND	0.833	--	ND	4.10	--		4.167
1,2,4-Trimethylbenzene	ND	0.833	--	ND	4.10	--		4.167
Benzyl chloride	ND	0.833	--	ND	4.31	--		4.167
1,3-Dichlorobenzene	ND	0.833	--	ND	5.01	--		4.167
1,4-Dichlorobenzene	ND	0.833	--	ND	5.01	--		4.167
1,2-Dichlorobenzene	ND	0.833	--	ND	5.01	--		4.167
1,2,4-Trichlorobenzene	ND	0.833	--	ND	6.18	--		4.167
Hexachlorobutadiene	ND	0.833	--	ND	8.89	--		4.167

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	99		60-140

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120384
Report Date: 04/27/21

SAMPLE RESULTS

Lab ID: L2120384-02 D
Client ID: SV002
Sample Location: 28-12 41ST AVE., LI CITY, NY

Date Collected: 04/21/21 10:39
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 04/27/21 03:46
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	ND	50.0	--	ND	94.2	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	28.2	10.0	--	67.0	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	5.27	5.00	--	13.0	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	9.23	5.00	--	28.0	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	ND	5.00	--	ND	14.7	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10

Project Name: ICF2102 ***Lab Number:*** L2120384

Project Number: ICF2102 ***Report Date:*** 04/27/21

SAMPLE RESULTS

Lab ID: L2120384-02 D
Client ID: SV002
Sample Location: 28-12 41ST AVE., LI CITY, NY

Date Collected: 04/21/21 10:39
Date Received: 04/21/21
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	5.00	--	ND	18.0	--		10
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	ND	5.00	--	ND	14.7	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	37.2	2.00	--	131	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	ND	2.00	--	ND	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	ND	2.00	--	ND	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	43.6	2.00	--	179	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	5.15	2.00	--	19.4	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	20.5	2.00	--	139	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	2.04	2.00	--	8.86	8.69	--		10

Project Name: ICF2102 ***Lab Number:*** L2120384

Project Number: ICF2102 ***Report Date:*** 04/27/21

SAMPLE RESULTS

Lab ID: L2120384-02 D
Client ID: SV002
Sample Location: 28-12 41ST AVE., LI CITY, NY

Date Collected: 04/21/21 10:39
Date Received: 04/21/21
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	10.1	4.00	--	43.9	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	5.08	2.00	--	22.1	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	117		60-140

Project Name: ICF2102 **Lab Number:** L2120384

Project Number: ICF2102 **Report Date:** 04/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/26/21 14:56

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: WG1490885-4								
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: ICF2102 **Lab Number:** L2120384

Project Number: ICF2102 **Report Date:** 04/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/26/21 14:56

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: WG1490885-4								
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: ICF2102 **Lab Number:** L2120384

Project Number: ICF2102 **Report Date:** 04/27/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 04/26/21 14:56

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: WG1490885-4								
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: ICF2102
Project Number: ICF2102

Lab Number: L2120384
Report Date: 04/27/21

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: WG1490885-3								
Dichlorodifluoromethane	89		-		70-130	-		
Chloromethane	118		-		70-130	-		
Freon-114	99		-		70-130	-		
Vinyl chloride	106		-		70-130	-		
1,3-Butadiene	110		-		70-130	-		
Bromomethane	108		-		70-130	-		
Chloroethane	108		-		70-130	-		
Ethanol	97		-		40-160	-		
Vinyl bromide	110		-		70-130	-		
Acetone	86		-		40-160	-		
Trichlorofluoromethane	102		-		70-130	-		
Isopropanol	97		-		40-160	-		
1,1-Dichloroethene	104		-		70-130	-		
Tertiary butyl Alcohol	90		-		70-130	-		
Methylene chloride	126		-		70-130	-		
3-Chloropropene	**136**	Q	-		70-130	-		
Carbon disulfide	111		-		70-130	-		
Freon-113	118		-		70-130	-		
trans-1,2-Dichloroethene	100		-		70-130	-		
1,1-Dichloroethane	103		-		70-130	-		
Methyl tert butyl ether	92		-		70-130	-		
2-Butanone	113		-		70-130	-		
cis-1,2-Dichloroethene	104		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120384
Report Date: 04/27/21

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: WG1490885-3								
Ethyl Acetate	113		-		70-130	-		
Chloroform	96		-		70-130	-		
Tetrahydrofuran	113		-		70-130	-		
1,2-Dichloroethane	99		-		70-130	-		
n-Hexane	107		-		70-130	-		
1,1,1-Trichloroethane	99		-		70-130	-		
Benzene	95		-		70-130	-		
Carbon tetrachloride	100		-		70-130	-		
Cyclohexane	105		-		70-130	-		
1,2-Dichloropropane	114		-		70-130	-		
Bromodichloromethane	99		-		70-130	-		
1,4-Dioxane	105		-		70-130	-		
Trichloroethene	103		-		70-130	-		
2,2,4-Trimethylpentane	109		-		70-130	-		
Heptane	122		-		70-130	-		
cis-1,3-Dichloropropene	103		-		70-130	-		
4-Methyl-2-pentanone	127		-		70-130	-		
trans-1,3-Dichloropropene	87		-		70-130	-		
1,1,2-Trichloroethane	110		-		70-130	-		
Toluene	109		-		70-130	-		
2-Hexanone	129		-		70-130	-		
Dibromochloromethane	116		-		70-130	-		
1,2-Dibromoethane	106		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120384
Report Date: 04/27/21

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: WG1490885-3								
Tetrachloroethene	103		-		70-130	-		
Chlorobenzene	102		-		70-130	-		
Ethylbenzene	107		-		70-130	-		
p/m-Xylene	112		-		70-130	-		
Bromoform	118		-		70-130	-		
Styrene	105		-		70-130	-		
1,1,2,2-Tetrachloroethane	118		-		70-130	-		
o-Xylene	116		-		70-130	-		
4-Ethyltoluene	106		-		70-130	-		
1,3,5-Trimethylbenzene	105		-		70-130	-		
1,2,4-Trimethylbenzene	115		-		70-130	-		
Benzyl chloride	**132**	Q	-		70-130	-		
1,3-Dichlorobenzene	119		-		70-130	-		
1,4-Dichlorobenzene	115		-		70-130	-		
1,2-Dichlorobenzene	116		-		70-130	-		
1,2,4-Trichlorobenzene	125		-		70-130	-		
Hexachlorobutadiene	114		-		70-130	-		

Project Name: ICF2102 **Lab Number:** L2120384

Project Number: ICF2102 **Report Date:** 04/27/21

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
L2120384-01	SV001	01713	Flow 3	04/20/21	349426		-	-	-	Pass	18.0	17.4	3
L2120384-01	SV001	2825	2.7L Can	04/20/21	349426	L2119733-01	Pass	-29.1	-4.2	-	-	-	-
L2120384-02	SV002	02094	Flow 3	04/20/21	349426		-	-	-	Pass	18.0	16.6	8
L2120384-02	SV002	198	2.7L Can	04/20/21	349426	L2119733-01	Pass	-29.1	-4.1	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2119733
Report Date: 04/27/21

Air Canister Certification Results

Lab ID: L2119733-01
Client ID: CAN 415 SHELF 18
Sample Location:

Date Collected: 04/16/21 16:00
Date Received: 04/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/18/21 16:26
Analyst: TS

	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: L2119733
Report Date: 04/27/21

Air Canister Certification Results

Lab ID: L2119733-01
Client ID: CAN 415 SHELF 18
Sample Location:

Date Collected: 04/16/21 16:00
Date Received: 04/17/21
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: L2119733
Report Date: 04/27/21

Air Canister Certification Results

Lab ID: L2119733-01
Client ID: CAN 415 SHELF 18
Sample Location:

Date Collected: 04/16/21 16:00
Date Received: 04/17/21
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: L2119733
Report Date: 04/27/21

Air Canister Certification Results

Lab ID: L2119733-01
Client ID: CAN 415 SHELF 18
Sample Location:

Date Collected: 04/16/21 16:00
Date Received: 04/17/21
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: L2119733
Report Date: 04/27/21

Air Canister Certification Results

Lab ID: L2119733-01
Client ID: CAN 415 SHELF 18
Sample Location:

Date Collected: 04/16/21 16:00
Date Received: 04/17/21
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	96		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2119733
Report Date: 04/27/21

Air Canister Certification Results

Lab ID: L2119733-01
Client ID: CAN 415 SHELF 18
Sample Location:

Date Collected: 04/16/21 16:00
Date Received: 04/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/18/21 16:26
Analyst: TS

	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	ND	0.020	--	ND	0.098	--		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: L2119733
Report Date: 04/27/21

Air Canister Certification Results

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Client ID: CAN 415 SHELF 18
Sample Location:

Date Collected: 04/16/21 16:00
Date Received: 04/17/21
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	0.050	--	ND	0.188	--		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	0.200	--	ND	1.04	--		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: L2119733
Report Date: 04/27/21

Air Canister Certification Results

Lab ID: L2119733-01
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Sample Location:

Date Collected: 04/16/21 16:00
Date Received: 04/17/21
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	92		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	89		60-140

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120384
Report Date: 04/27/21

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(*)
L2120384-01A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L2120384-02A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	ICF2102	**Lab Number:**	L2120384
Project Number:	ICF2102	**Report Date:**	04/27/21

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:	ICF2102	**Lab Number:**	L2120384
Project Number:	ICF2102	**Report Date:**	04/27/21

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.

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'.

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 at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

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.)

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.

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

Report Format: Data Usability Report

Project Name:	ICF2102	**Lab Number:**	L2120384
Project Number:	ICF2102	**Report Date:**	04/27/21

Data Qualifiers

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.

Report Format: Data Usability Report

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: 4-22-21

ALPHA Job #: L2120384

Client Information

Client: PLGC
Address: 630 Johnson Ave
Bohemia NY 11716
Phone: 631-589-6353
Fax:
Email: ryann@plgresser.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: ICF2102
Project Location: 28-12 41st Ave, Long Island City NY
Project #: ICF2102
Project Manager: Ryan Morley
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 (Subject to petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
20384-01	SV001	4/21/21	08:40	10:42	-29.1	-5.14	SV	CJA	2.7L	2825	01713	X					
02	SV002	↓	09:35	10:39	-29.1	-5.17	↓	↓	↓	198	02094	X					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

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:
CJA	4/21/21		4/21/20 15:47
	4/22/21 18:45		4/22/21 2130
	4/22/21 0300		4/22/21 03 00

ANALYTICAL REPORT

Lab Number:	L2120445
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Ryan Morley
Phone:	(631) 589-6353
Project Name:	ICF2102
Project Number:	ICF2102
Report Date:	05/05/21

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-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: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2120445-01	SB001_0-2	SOIL	28-12 41ST AVE, LONG ISLAND CITY, NY	04/21/21 09:10	04/21/21
L2120445-02	SB002_3-5	SOIL	28-12 41ST AVE, LONG ISLAND CITY, NY	04/21/21 10:20	04/21/21
L2120445-03	SB003_0-2	SOIL	28-12 41ST AVE, LONG ISLAND CITY, NY	04/21/21 10:45	04/21/21
L2120445-04	SB004_5-7	SOIL	28-12 41ST AVE, LONG ISLAND CITY, NY	04/21/21 11:50	04/21/21
L2120445-05	GW001	WATER	28-12 41ST AVE, LONG ISLAND CITY, NY	04/21/21 10:10	04/21/21
L2120445-06	GW002	WATER	28-12 41ST AVE, LONG ISLAND CITY, NY	04/21/21 11:15	04/21/21

Project Name:	ICF2102	**Lab Number:**	L2120445
Project Number:	ICF2102	**Report Date:**	05/05/21

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:	ICF2102	**Lab Number:**	L2120445
Project Number:	ICF2102	**Report Date:**	05/05/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2120445-06: The sample was received above the appropriate pH for the Total Metals analysis. The laboratory added additional HNO3 to a pH <2.

Volatile Organics

L2120445-01: The sample was analyzed as a High Level Methanol based upon screen results. The sample was then analyzed as a Low Level in order to achieve lower reporting limits. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

L2120445-06 was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

Semivolatile Organics by SIM

L2120445-06: The surrogate recoveries were outside the acceptance criteria for 2-fluorobiphenyl (131%), 2,4,6-tribromophenol (123%), and 4-terphenyl-d14 (152%); however, the criteria was achieved upon re-extraction outside of holding time. The results of both extractions are reported.

Total Metals

L2120445-01 through -04: 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.

L2120445-06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the prep dilution required by the sample matrix.

The WG1491407-1 Method Blank, associated with L2120445-01 through -04, has a concentration above the

Project Name:	ICF2102	**Lab Number:**	L2120445
Project Number:	ICF2102	**Report Date:**	05/05/21

Case Narrative (continued)

reporting limit for copper. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no corrective action is required.

Dissolved Metals

The WG1492818-1 Method Blank, associated with L2120445-05, has a concentration above the reporting limit for aluminum. Since the associated sample concentration is greater than 10x the blank concentration for this analyte, no corrective action is required.

The WG1492818-1 Method Blank, associated with L2120445-05 and -06, has a concentration above the reporting limit for sodium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no corrective action is required.

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: Michelle M. Morris

Title: Technical Director/Representative Date: 05/05/21

ORGANICS

VOLATILES

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-01
Client ID: SB001_0-2
Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY

Date Collected: 04/21/21 09:10
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/30/21 11:20
Analyst: MKS
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	270	120	1
1,1-Dichloroethane	ND		ug/kg	54	7.8	1
Chloroform	ND		ug/kg	81	7.6	1
Carbon tetrachloride	ND		ug/kg	54	12.	1
1,2-Dichloropropane	ND		ug/kg	54	6.8	1
Dibromochloromethane	ND		ug/kg	54	7.6	1
1,1,2-Trichloroethane	ND		ug/kg	54	14.	1
Tetrachloroethene	930		ug/kg	27	10.	1
Chlorobenzene	ND		ug/kg	27	6.9	1
Trichlorofluoromethane	ND		ug/kg	220	38.	1
1,2-Dichloroethane	ND		ug/kg	54	14.	1
1,1,1-Trichloroethane	27		ug/kg	27	9.0	1
Bromodichloromethane	ND		ug/kg	27	5.9	1
trans-1,3-Dichloropropene	ND		ug/kg	54	15.	1
cis-1,3-Dichloropropene	ND		ug/kg	27	8.5	1
1,3-Dichloropropene, Total	ND		ug/kg	27	8.5	1
1,1-Dichloropropene	ND		ug/kg	27	8.6	1
Bromoform	ND		ug/kg	220	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	27	9.0	1
Benzene	ND		ug/kg	27	9.0	1
Toluene	ND		ug/kg	54	29.	1
Ethylbenzene	ND		ug/kg	54	7.6	1
Chloromethane	ND		ug/kg	220	50.	1
Bromomethane	ND		ug/kg	110	31.	1
Vinyl chloride	ND		ug/kg	54	18.	1
Chloroethane	ND		ug/kg	110	24.	1
1,1-Dichloroethene	ND		ug/kg	54	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	81	7.4	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-01 Date Collected: 04/21/21 09:10

Client ID: SB001_0-2 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	27	7.4	1
1,2-Dichlorobenzene	ND		ug/kg	110	7.8	1
1,3-Dichlorobenzene	ND		ug/kg	110	8.0	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.2	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	ND		ug/kg	110	30.	1
o-Xylene	ND		ug/kg	54	16.	1
Xylenes, Total	ND		ug/kg	54	16.	1
cis-1,2-Dichloroethene	ND		ug/kg	54	9.4	1
1,2-Dichloroethene, Total	ND		ug/kg	54	7.4	1
Dibromomethane	ND		ug/kg	110	13.	1
Styrene	ND		ug/kg	54	10.	1
Dichlorodifluoromethane	ND		ug/kg	540	49.	1
Acetone	ND		ug/kg	540	260	1
Carbon disulfide	ND		ug/kg	540	240	1
2-Butanone	ND		ug/kg	540	120	1
Vinyl acetate	ND		ug/kg	540	120	1
4-Methyl-2-pentanone	ND		ug/kg	540	69.	1
1,2,3-Trichloropropane	ND		ug/kg	110	6.9	1
2-Hexanone	ND		ug/kg	540	64.	1
Bromochloromethane	ND		ug/kg	110	11.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	54	15.	1
1,3-Dichloropropane	ND		ug/kg	110	9.0	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	27	7.1	1
Bromobenzene	ND		ug/kg	110	7.8	1
n-Butylbenzene	ND		ug/kg	54	9.0	1
sec-Butylbenzene	ND		ug/kg	54	7.9	1
tert-Butylbenzene	ND		ug/kg	110	6.4	1
o-Chlorotoluene	ND		ug/kg	110	10.	1
p-Chlorotoluene	ND		ug/kg	110	5.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	54.	1
Hexachlorobutadiene	ND		ug/kg	220	9.1	1
Isopropylbenzene	ND		ug/kg	54	5.9	1
p-Isopropyltoluene	ND		ug/kg	54	5.9	1
Naphthalene	550		ug/kg	220	35.	1
Acrylonitrile	ND		ug/kg	220	62.	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-01 Date Collected: 04/21/21 09:10

Client ID: SB001_0-2 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	54	9.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
1,3,5-Trimethylbenzene	14	J	ug/kg	110	10.	1
1,2,4-Trimethylbenzene	28	J	ug/kg	110	18.	1
1,4-Dioxane	ND		ug/kg	4300	1900	1
p-Diethylbenzene	21	J	ug/kg	110	9.6	1
p-Ethyltoluene	ND		ug/kg	110	21.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	110	10.	1
Ethyl ether	ND		ug/kg	110	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	270	77.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	103		70-130

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-01
Client ID: SB001_0-2
Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY

Date Collected: 04/21/21 09:10
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/03/21 10:06
Analyst: MV
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	0.99	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.99	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.99	0.12	1
Dibromochloromethane	ND		ug/kg	0.99	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	0.26	1
Tetrachloroethene	17		ug/kg	0.50	0.19	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.16	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	ND		ug/kg	0.50	0.16	1
Toluene	ND		ug/kg	0.99	0.54	1
Ethylbenzene	ND		ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	4.0	0.92	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	0.99	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-01 Date Collected: 04/21/21 09:10

Client ID: SB001_0-2 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	0.99	0.29	1
Xylenes, Total	ND		ug/kg	0.99	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.99	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	0.99	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.91	1
Acetone	ND		ug/kg	9.9	4.8	1
Carbon disulfide	ND		ug/kg	9.9	4.5	1
2-Butanone	ND		ug/kg	9.9	2.2	1
Vinyl acetate	ND		ug/kg	9.9	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	9.9	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.99	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.99	0.16	1
sec-Butylbenzene	ND		ug/kg	0.99	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.99	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	0.99	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.11	1
Naphthalene	ND		ug/kg	4.0	0.64	1
Acrylonitrile	ND		ug/kg	4.0	1.1	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-01 Date Collected: 04/21/21 09:10

Client ID: SB001_0-2 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	0.99	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	79	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-02 Date Collected: 04/21/21 10:20

Client ID: SB002_3-5 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/30/21 13:55

Analyst: MKS

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	77		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.19	1
Benzene	ND		ug/kg	0.56	0.19	1
Toluene	ND		ug/kg	1.1	0.61	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-02 Date Collected: 04/21/21 10:20

Client ID: SB002_3-5 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.64		ug/kg	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.63	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		ug/kg	11	2.5	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	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.56	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.3	0.13	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.5	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.5	0.73	1
Acrylonitrile	ND		ug/kg	4.5	1.3	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-02 Date Collected: 04/21/21 10:20

Client ID: SB002_3-5 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	2.3	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	90	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.43	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	106		70-130

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-03 Date Collected: 04/21/21 10:45

Client ID: SB003_0-2 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 05/03/21 09:39

Analyst: MV

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.31	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	0.36	1
Tetrachloroethene	ND		ug/kg	0.68	0.26	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.94	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.23	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.68	0.22	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.22	1
Benzene	ND		ug/kg	0.68	0.22	1
Toluene	ND		ug/kg	1.4	0.74	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.4	1.3	1
Bromomethane	ND		ug/kg	2.7	0.79	1
Vinyl chloride	ND		ug/kg	1.4	0.45	1
Chloroethane	ND		ug/kg	2.7	0.61	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-03 Date Collected: 04/21/21 10:45

Client ID: SB003_0-2 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	0.68	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.76	1
o-Xylene	ND		ug/kg	1.4	0.39	1
Xylenes, Total	ND		ug/kg	1.4	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.4	0.26	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	ND		ug/kg	14	6.5	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	ND		ug/kg	14	3.0	1
Vinyl acetate	ND		ug/kg	14	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	0.18	1
Bromobenzene	ND		ug/kg	2.7	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	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.4	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	5.4	0.88	1
Acrylonitrile	ND		ug/kg	5.4	1.6	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-03 Date Collected: 04/21/21 10:45

Client ID: SB003_0-2 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	48.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-04
Client ID: SB004_5-7
Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY

Date Collected: 04/21/21 11:50
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/30/21 14:21
Analyst: MKS
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.7	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.3	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.17	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.36	1
Tetrachloroethene	0.78		ug/kg	0.67	0.26	1
Chlorobenzene	ND		ug/kg	0.67	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.93	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.67	0.22	1
Bromodichloromethane	ND		ug/kg	0.67	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.67	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.67	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.67	0.21	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.67	0.22	1
Benzene	ND		ug/kg	0.67	0.22	1
Toluene	ND		ug/kg	1.3	0.73	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.4	1.2	1
Bromomethane	ND		ug/kg	2.7	0.78	1
Vinyl chloride	ND		ug/kg	1.3	0.45	1
Chloroethane	ND		ug/kg	2.7	0.61	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-04 Date Collected: 04/21/21 11:50

Client ID: SB004_5-7 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	0.67	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.75	1
o-Xylene	ND		ug/kg	1.3	0.39	1
Xylenes, Total	ND		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.5	1
Carbon disulfide	ND		ug/kg	13	6.1	1
2-Butanone	ND		ug/kg	13	3.0	1
Vinyl acetate	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.67	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.3	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.15	1
Naphthalene	ND		ug/kg	5.4	0.87	1
Acrylonitrile	ND		ug/kg	5.4	1.5	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-04 Date Collected: 04/21/21 11:50

Client ID: SB004_5-7 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	47.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-05 Date Collected: 04/21/21 10:10

Client ID: GW001 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/29/21 15:00

Analyst: MKS

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	0.62		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: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-05 Date Collected: 04/21/21 10:10

Client ID: GW001 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	1.5	J	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: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-05 Date Collected: 04/21/21 10:10

Client ID: GW001 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	94		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	92		70-130

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-06 Date Collected: 04/21/21 11:15

Client ID: GW002 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 04/29/21 15:24

Analyst: MKS

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	2.5		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: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-06 Date Collected: 04/21/21 11:15

Client ID: GW002 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	3.4	J	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: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-06 Date Collected: 04/21/21 11:15

Client ID: GW002 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	95		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	92		70-130

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/30/21 09:37
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04 Batch: WG1492294-12					
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	ND		ug/kg	4.0	0.93
Bromomethane	ND		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: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/30/21 09:37
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04 Batch: WG1492294-12					
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: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/30/21 09:37
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04 Batch: WG1492294-12					
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	96		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	102		70-130

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/30/21 09:37
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1492937-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/30/21 09:37
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1492937-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/30/21 09:37
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1492937-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	102		70-130

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/21 11:54
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1493050-5					
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: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/21 11:54
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1493050-5					
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: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/21 11:54
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1493050-5					
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	97		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	94		70-130

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/21 07:02
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1493711-5					
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	ND		ug/kg	4.0	0.93
Bromomethane	ND		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: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/21 07:02
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1493711-5					
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: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/21 07:02
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1493711-5					
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	109		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04 Batch: WG1492294-10 WG1492294-11								
Methylene chloride	92		91		70-130	1		30
1,1-Dichloroethane	91		90		70-130	1		30
Chloroform	105		104		70-130	1		30
Carbon tetrachloride	111		110		70-130	1		30
1,2-Dichloropropane	89		88		70-130	1		30
Dibromochloromethane	96		93		70-130	3		30
1,1,2-Trichloroethane	92		90		70-130	2		30
Tetrachloroethene	100		95		70-130	5		30
Chlorobenzene	94		91		70-130	3		30
Trichlorofluoromethane	102		98		70-139	4		30
1,2-Dichloroethane	98		99		70-130	1		30
1,1,1-Trichloroethane	111		109		70-130	2		30
Bromodichloromethane	112		110		70-130	2		30
trans-1,3-Dichloropropene	89		87		70-130	2		30
cis-1,3-Dichloropropene	92		90		70-130	2		30
1,1-Dichloropropene	101		99		70-130	2		30
Bromoform	93		93		70-130	0		30
1,1,2,2-Tetrachloroethane	89		87		70-130	2		30
Benzene	100		98		70-130	2		30
Toluene	92		89		70-130	3		30
Ethylbenzene	94		90		70-130	4		30
Chloromethane	74		71		52-130	4		30
Bromomethane	101		98		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04 Batch: WG1492294-10 WG1492294-11								
Vinyl chloride	90		80		67-130	12		30
Chloroethane	95		90		50-151	5		30
1,1-Dichloroethene	106		104		65-135	2		30
trans-1,2-Dichloroethene	106		103		70-130	3		30
Trichloroethene	105		103		70-130	2		30
1,2-Dichlorobenzene	93		93		70-130	0		30
1,3-Dichlorobenzene	95		93		70-130	2		30
1,4-Dichlorobenzene	94		93		70-130	1		30
Methyl tert butyl ether	103		101		66-130	2		30
p/m-Xylene	96		94		70-130	2		30
o-Xylene	95		94		70-130	1		30
cis-1,2-Dichloroethene	107		105		70-130	2		30
Dibromomethane	101		101		70-130	0		30
Styrene	99		96		70-130	3		30
Dichlorodifluoromethane	87		84		30-146	4		30
Acetone	64		64		54-140	0		30
Carbon disulfide	104		100		59-130	4		30
2-Butanone	**64**	Q	**61**	Q	70-130	5		30
Vinyl acetate	78		76		70-130	3		30
4-Methyl-2-pentanone	75		71		70-130	5		30
1,2,3-Trichloropropane	85		84		68-130	1		30
2-Hexanone	**65**	Q	**62**	Q	70-130	5		30
Bromochloromethane	115		111		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04 Batch: WG1492294-10 WG1492294-11								
2,2-Dichloropropane	109		106		70-130	3		30
1,2-Dibromoethane	90		87		70-130	3		30
1,3-Dichloropropane	90		89		69-130	1		30
1,1,1,2-Tetrachloroethane	94		91		70-130	3		30
Bromobenzene	96		95		70-130	1		30
n-Butylbenzene	88		86		70-130	2		30
sec-Butylbenzene	89		87		70-130	2		30
tert-Butylbenzene	93		91		70-130	2		30
o-Chlorotoluene	92		93		70-130	1		30
p-Chlorotoluene	93		94		70-130	1		30
1,2-Dibromo-3-chloropropane	81		78		68-130	4		30
Hexachlorobutadiene	94		92		67-130	2		30
Isopropylbenzene	93		91		70-130	2		30
p-Isopropyltoluene	92		90		70-130	2		30
Naphthalene	89		88		70-130	1		30
Acrylonitrile	75		**68**	Q	70-130	10		30
n-Propylbenzene	89		88		70-130	1		30
1,2,3-Trichlorobenzene	90		88		70-130	2		30
1,2,4-Trichlorobenzene	96		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	96		95		70-130	1		30
1,4-Dioxane	88		87		65-136	1		30
p-Diethylbenzene	92		90		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04 Batch: WG1492294-10 WG1492294-11								
p-Ethyltoluene	94		92		70-130	2		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Ethyl ether	98		94		67-130	4		30
trans-1,4-Dichloro-2-butene	77		77		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		100		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	98		101		70-130
Dibromofluoromethane	106		106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1492937-3 WG1492937-4								
Methylene chloride	92		91		70-130	1		30
1,1-Dichloroethane	91		90		70-130	1		30
Chloroform	105		104		70-130	1		30
Carbon tetrachloride	111		110		70-130	1		30
1,2-Dichloropropane	89		88		70-130	1		30
Dibromochloromethane	96		93		70-130	3		30
1,1,2-Trichloroethane	92		90		70-130	2		30
Tetrachloroethene	100		95		70-130	5		30
Chlorobenzene	94		91		70-130	3		30
Trichlorofluoromethane	102		98		70-139	4		30
1,2-Dichloroethane	98		99		70-130	1		30
1,1,1-Trichloroethane	111		109		70-130	2		30
Bromodichloromethane	112		110		70-130	2		30
trans-1,3-Dichloropropene	89		87		70-130	2		30
cis-1,3-Dichloropropene	92		90		70-130	2		30
1,1-Dichloropropene	101		99		70-130	2		30
Bromoform	93		93		70-130	0		30
1,1,2,2-Tetrachloroethane	89		87		70-130	2		30
Benzene	100		98		70-130	2		30
Toluene	92		89		70-130	3		30
Ethylbenzene	94		90		70-130	4		30
Chloromethane	74		71		52-130	4		30
Bromomethane	101		98		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1492937-3 WG1492937-4								
Vinyl chloride	90		80		67-130	12		30
Chloroethane	95		90		50-151	5		30
1,1-Dichloroethene	106		104		65-135	2		30
trans-1,2-Dichloroethene	106		103		70-130	3		30
Trichloroethene	105		103		70-130	2		30
1,2-Dichlorobenzene	93		93		70-130	0		30
1,3-Dichlorobenzene	95		93		70-130	2		30
1,4-Dichlorobenzene	94		93		70-130	1		30
Methyl tert butyl ether	103		101		66-130	2		30
p/m-Xylene	96		94		70-130	2		30
o-Xylene	95		94		70-130	1		30
cis-1,2-Dichloroethene	107		105		70-130	2		30
Dibromomethane	101		101		70-130	0		30
Styrene	99		96		70-130	3		30
Dichlorodifluoromethane	87		84		30-146	4		30
Acetone	64		64		54-140	0		30
Carbon disulfide	104		100		59-130	4		30
2-Butanone	**64**	Q	**61**	Q	70-130	5		30
Vinyl acetate	78		76		70-130	3		30
4-Methyl-2-pentanone	75		71		70-130	5		30
1,2,3-Trichloropropane	85		84		68-130	1		30
2-Hexanone	**65**	Q	**62**	Q	70-130	5		30
Bromochloromethane	115		111		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1492937-3 WG1492937-4								
2,2-Dichloropropane	109		106		70-130	3		30
1,2-Dibromoethane	90		87		70-130	3		30
1,3-Dichloropropane	90		89		69-130	1		30
1,1,1,2-Tetrachloroethane	94		91		70-130	3		30
Bromobenzene	96		95		70-130	1		30
n-Butylbenzene	88		86		70-130	2		30
sec-Butylbenzene	89		87		70-130	2		30
tert-Butylbenzene	93		91		70-130	2		30
o-Chlorotoluene	92		93		70-130	1		30
p-Chlorotoluene	93		94		70-130	1		30
1,2-Dibromo-3-chloropropane	81		78		68-130	4		30
Hexachlorobutadiene	94		92		67-130	2		30
Isopropylbenzene	93		91		70-130	2		30
p-Isopropyltoluene	92		90		70-130	2		30
Naphthalene	89		88		70-130	1		30
Acrylonitrile	75		**68**	Q	70-130	10		30
n-Propylbenzene	89		88		70-130	1		30
1,2,3-Trichlorobenzene	90		88		70-130	2		30
1,2,4-Trichlorobenzene	96		94		70-130	2		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	96		95		70-130	1		30
1,4-Dioxane	88		87		65-136	1		30
p-Diethylbenzene	92		90		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1492937-3 WG1492937-4								
p-Ethyltoluene	94		92		70-130	2		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Ethyl ether	98		94		67-130	4		30
trans-1,4-Dichloro-2-butene	77		77		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		100		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	99		101		70-130
Dibromofluoromethane	106		106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1493050-3 WG1493050-4								
Methylene chloride	90		88		70-130	2		20
1,1-Dichloroethane	95		94		70-130	1		20
Chloroform	90		88		70-130	2		20
Carbon tetrachloride	90		86		63-132	5		20
1,2-Dichloropropane	93		92		70-130	1		20
Dibromochloromethane	90		90		63-130	0		20
1,1,2-Trichloroethane	94		95		70-130	1		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	100		99		75-130	1		20
Trichlorofluoromethane	90		88		62-150	2		20
1,2-Dichloroethane	87		86		70-130	1		20
1,1,1-Trichloroethane	93		90		67-130	3		20
Bromodichloromethane	85		82		67-130	4		20
trans-1,3-Dichloropropene	90		88		70-130	2		20
cis-1,3-Dichloropropene	84		81		70-130	4		20
1,1-Dichloropropene	93		92		70-130	1		20
Bromoform	93		92		54-136	1		20
1,1,2,2-Tetrachloroethane	96		95		67-130	1		20
Benzene	91		88		70-130	3		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		99		70-130	1		20
Chloromethane	75		79		64-130	5		20
Bromomethane	84		80		39-139	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1493050-3 WG1493050-4								
Vinyl chloride	89		86		55-140	3		20
Chloroethane	90		91		55-138	1		20
1,1-Dichloroethene	94		91		61-145	3		20
trans-1,2-Dichloroethene	94		92		70-130	2		20
Trichloroethene	93		92		70-130	1		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	82		80		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	94		91		70-130	3		20
Dibromomethane	84		82		70-130	2		20
1,2,3-Trichloropropane	96		99		64-130	3		20
Acrylonitrile	94		95		70-130	1		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	65		64		36-147	2		20
Acetone	100		91		58-148	9		20
Carbon disulfide	91		87		51-130	4		20
2-Butanone	92		88		63-138	4		20
Vinyl acetate	80		78		70-130	3		20
4-Methyl-2-pentanone	91		91		59-130	0		20
2-Hexanone	90		90		57-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1493050-3 WG1493050-4								
Bromochloromethane	97		92		70-130	5		20
2,2-Dichloropropane	86		83		63-133	4		20
1,2-Dibromoethane	91		91		70-130	0		20
1,3-Dichloropropane	96		95		70-130	1		20
1,1,1,2-Tetrachloroethane	96		93		64-130	3		20
Bromobenzene	110		110		70-130	0		20
n-Butylbenzene	110		100		53-136	10		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		110		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	78		78		41-144	0		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	86		89		70-130	3		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	89		94		70-130	5		20
1,2,4-Trichlorobenzene	98		100		70-130	2		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
1,4-Dioxane	78		78		56-162	0		20
p-Diethylbenzene	110		100		70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1493050-3 WG1493050-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	99		99		70-130	0		20
Ethyl ether	87		84		59-134	4		20
trans-1,4-Dichloro-2-butene	95		93		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
Toluene-d8	110		111		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	97		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1493711-3 WG1493711-4								
Methylene chloride	82		77		70-130	6		30
1,1-Dichloroethane	99		96		70-130	3		30
Chloroform	93		89		70-130	4		30
Carbon tetrachloride	90		87		70-130	3		30
1,2-Dichloropropane	101		96		70-130	5		30
Dibromochloromethane	87		83		70-130	5		30
1,1,2-Trichloroethane	99		94		70-130	5		30
Tetrachloroethene	96		90		70-130	6		30
Chlorobenzene	95		90		70-130	5		30
Trichlorofluoromethane	100		95		70-139	5		30
1,2-Dichloroethane	98		94		70-130	4		30
1,1,1-Trichloroethane	94		90		70-130	4		30
Bromodichloromethane	97		94		70-130	3		30
trans-1,3-Dichloropropene	106		100		70-130	6		30
cis-1,3-Dichloropropene	100		96		70-130	4		30
1,1-Dichloropropene	96		92		70-130	4		30
Bromoform	90		86		70-130	5		30
1,1,2,2-Tetrachloroethane	106		98		70-130	8		30
Benzene	95		91		70-130	4		30
Toluene	84		79		70-130	6		30
Ethylbenzene	97		93		70-130	4		30
Chloromethane	94		87		52-130	8		30
Bromomethane	103		96		57-147	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1493711-3 WG1493711-4								
Vinyl chloride	96		90		67-130	6		30
Chloroethane	105		99		50-151	6		30
1,1-Dichloroethene	89		84		65-135	6		30
trans-1,2-Dichloroethene	90		85		70-130	6		30
Trichloroethene	95		90		70-130	5		30
1,2-Dichlorobenzene	94		90		70-130	4		30
1,3-Dichlorobenzene	95		91		70-130	4		30
1,4-Dichlorobenzene	94		90		70-130	4		30
Methyl tert butyl ether	95		88		66-130	8		30
p/m-Xylene	97		93		70-130	4		30
o-Xylene	97		92		70-130	5		30
cis-1,2-Dichloroethene	91		88		70-130	3		30
Dibromomethane	90		87		70-130	3		30
Styrene	100		95		70-130	5		30
Dichlorodifluoromethane	60		54		30-146	11		30
Acetone	114		106		54-140	7		30
Carbon disulfide	84		80		59-130	5		30
2-Butanone	107		98		70-130	9		30
Vinyl acetate	113		105		70-130	7		30
4-Methyl-2-pentanone	91		85		70-130	7		30
1,2,3-Trichloropropane	102		97		68-130	5		30
2-Hexanone	98		91		70-130	7		30
Bromochloromethane	93		88		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1493711-3 WG1493711-4								
2,2-Dichloropropane	97		92		70-130	5		30
1,2-Dibromoethane	103		98		70-130	5		30
1,3-Dichloropropane	101		95		69-130	6		30
1,1,1,2-Tetrachloroethane	101		96		70-130	5		30
Bromobenzene	94		89		70-130	5		30
n-Butylbenzene	103		99		70-130	4		30
sec-Butylbenzene	98		94		70-130	4		30
tert-Butylbenzene	96		92		70-130	4		30
o-Chlorotoluene	99		94		70-130	5		30
p-Chlorotoluene	100		96		70-130	4		30
1,2-Dibromo-3-chloropropane	80		78		68-130	3		30
Hexachlorobutadiene	91		88		67-130	3		30
Isopropylbenzene	99		95		70-130	4		30
p-Isopropyltoluene	97		93		70-130	4		30
Naphthalene	91		87		70-130	4		30
Acrylonitrile	114		110		70-130	4		30
n-Propylbenzene	102		97		70-130	5		30
1,2,3-Trichlorobenzene	94		90		70-130	4		30
1,2,4-Trichlorobenzene	97		94		70-130	3		30
1,3,5-Trimethylbenzene	98		94		70-130	4		30
1,2,4-Trimethylbenzene	99		95		70-130	4		30
1,4-Dioxane	84		79		65-136	6		30
p-Diethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1493711-3 WG1493711-4								
p-Ethyltoluene	99		95		70-130	4		30
1,2,4,5-Tetramethylbenzene	99		94		70-130	5		30
Ethyl ether	104		98		67-130	6		30
trans-1,4-Dichloro-2-butene	120		111		70-130	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		103		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	92		94		70-130

SEMIVOLATILES

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-01
Client ID: SB001_0-2
Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY

Date Collected: 04/21/21 09:10
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/04/21 12:37
Analyst: IM
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 05/03/21 16:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	420		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	6300		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	150	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	250		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	63	J	ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-01 Date Collected: 04/21/21 09:10

Client ID: SB001_0-2 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	3400		ug/kg	100	19.	1
Benzo(a)pyrene	3300		ug/kg	140	42.	1
Benzo(b)fluoranthene	4200		ug/kg	100	29.	1
Benzo(k)fluoranthene	1300		ug/kg	100	27.	1
Chrysene	3200		ug/kg	100	18.	1
Acenaphthylene	370		ug/kg	140	26.	1
Anthracene	1200		ug/kg	100	33.	1
Benzo(ghi)perylene	2000		ug/kg	140	20.	1
Fluorene	350		ug/kg	170	17.	1
Phenanthrene	4500		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	390		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	2200		ug/kg	140	24.	1
Pyrene	5500		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	250		ug/kg	170	16.	1
2-Methylnaphthalene	100	J	ug/kg	200	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	29	J	ug/kg	250	27.	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-01 Date Collected: 04/21/21 09:10

Client ID: SB001_0-2 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	170	33.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	590		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	48		18-120

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-02
Client ID: SB002_3-5
Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY

Date Collected: 04/21/21 10:20
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/04/21 13:00
Analyst: IM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 05/03/21 16:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	250		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	3400		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	190		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	84	J	ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	50	J	ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-02 Date Collected: 04/21/21 10:20

Client ID: SB002_3-5 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	1600		ug/kg	110	21.	1
Benzo(a)pyrene	1500		ug/kg	150	46.	1
Benzo(b)fluoranthene	1800		ug/kg	110	32.	1
Benzo(k)fluoranthene	730		ug/kg	110	30.	1
Chrysene	1600		ug/kg	110	19.	1
Acenaphthylene	120	J	ug/kg	150	29.	1
Anthracene	620		ug/kg	110	36.	1
Benzo(ghi)perylene	820		ug/kg	150	22.	1
Fluorene	250		ug/kg	190	18.	1
Phenanthrene	2900		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	180		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	880		ug/kg	150	26.	1
Pyrene	3000		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	170	J	ug/kg	190	18.	1
2-Methylnaphthalene	97	J	ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-02 Date Collected: 04/21/21 10:20

Client ID: SB002_3-5 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	280		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	49		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	54		10-136
4-Terphenyl-d14	43		18-120

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-03
Client ID: SB003_0-2
Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY

Date Collected: 04/21/21 10:45
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/04/21 13:24
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 05/03/21 16:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	67	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	3000		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	110	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	380		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-03 Date Collected: 04/21/21 10:45

Client ID: SB003_0-2 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	1800		ug/kg	110	20.	1
Benzo(a)pyrene	1800		ug/kg	150	44.	1
Benzo(b)fluoranthene	2000		ug/kg	110	31.	1
Benzo(k)fluoranthene	780		ug/kg	110	29.	1
Chrysene	1600		ug/kg	110	19.	1
Acenaphthylene	190		ug/kg	150	28.	1
Anthracene	360		ug/kg	110	36.	1
Benzo(ghi)perylene	970		ug/kg	150	21.	1
Fluorene	120	J	ug/kg	180	18.	1
Phenanthrene	1400		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	190		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	150	25.	1
Pyrene	2700		ug/kg	110	18.	1
Biphenyl	2200		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	56	J	ug/kg	180	17.	1
2-Methylnaphthalene	30	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	69.	1
4-Nitrophenol	ND		ug/kg	260	74.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-03 Date Collected: 04/21/21 10:45

Client ID: SB003_0-2 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	190		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		25-120
Phenol-d6	50		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	56		10-136
4-Terphenyl-d14	42		18-120

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-04
Client ID: SB004_5-7
Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY

Date Collected: 04/21/21 11:50
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/04/21 13:47
Analyst: IM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 05/03/21 16:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	25	J	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-04 Date Collected: 04/21/21 11:50

Client ID: SB004_5-7 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	24	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-04 Date Collected: 04/21/21 11:50

Client ID: SB004_5-7 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, 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	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	30		10-136
4-Terphenyl-d14	52		18-120

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-05
Client ID: GW001
Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY

Date Collected: 04/21/21 10:10
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/29/21 03:49
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/28/21 07:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	1.9	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-05 Date Collected: 04/21/21 10:10

Client ID: GW001 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	116		10-120
4-Terphenyl-d14	89		41-149

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-05
Client ID: GW001
Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY

Date Collected: 04/21/21 10:10
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/29/21 15:10
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 04/28/21 07:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.13		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.05	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.05	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-05 Date Collected: 04/21/21 10:10

Client ID: GW001 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		21-120
Phenol-d6	71		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	107		41-149

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-06
Client ID: GW002
Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY

Date Collected: 04/21/21 11:15
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/29/21 04:12
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/28/21 07:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	2.0	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	0.48	J	ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-06 Date Collected: 04/21/21 11:15

Client ID: GW002 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	96		21-120
Phenol-d6	82		10-120
Nitrobenzene-d5	111		23-120
2-Fluorobiphenyl	114		15-120
2,4,6-Tribromophenol	**154**	Q	10-120
4-Terphenyl-d14	124		41-149

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-06
Client ID: GW002
Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY

Date Collected: 04/21/21 11:15
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 04/29/21 15:28
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 04/28/21 07:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.04	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.20		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.22		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.06	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.03	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.05	J	ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.05	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01	1
Fluorene	0.17		ug/l	0.10	0.01	1
Phenanthrene	0.66		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01	1
Pyrene	0.20		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.14		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-06 Date Collected: 04/21/21 11:15

Client ID: GW002 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		21-120
Phenol-d6	74		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	**131**	Q	15-120
2,4,6-Tribromophenol	**123**	Q	10-120
4-Terphenyl-d14	**152**	Q	41-149

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-06 RE
Client ID: GW002
Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY

Date Collected: 04/21/21 11:15
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/04/21 18:34
Analyst: JRW

Extraction Method: EPA 3510C
Extraction Date: 05/03/21 16:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.20		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.05	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.08	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.06	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.08	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Chrysene	0.07	J	ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.05	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.04	J	ug/l	0.10	0.01	1
Fluorene	0.11		ug/l	0.10	0.01	1
Phenanthrene	0.40		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.01	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.04	J	ug/l	0.10	0.01	1
Pyrene	0.20		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.04	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-06 RE
Client ID: GW002
Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY

Date Collected: 04/21/21 11:15
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	60		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	103		41-149

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/28/21 10:18
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/27/21 08:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1491144-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/28/21 10:18
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/27/21 08:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1491144-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/28/21 10:18
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/27/21 08:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1491144-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	98		41-149

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/28/21 11:53
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 04/27/21 08:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05-06 Batch: WG1491146-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 04/28/21 11:53
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 04/27/21 08:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05-06 Batch: WG1491146-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	99		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	132		41-149

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/03/21 22:22
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 05/02/21 23:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1493498-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.
2-Chloronaphthalene	ND		ug/kg	170	16.
1,2-Dichlorobenzene	ND		ug/kg	170	30.
1,3-Dichlorobenzene	ND		ug/kg	170	29.
1,4-Dichlorobenzene	ND		ug/kg	170	29.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	29.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	25.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	57.
Diethyl phthalate	ND		ug/kg	170	15.

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/03/21 22:22
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 05/02/21 23:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1493498-1					
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	27.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	39.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	21.
2,4,6-Trichlorophenol	ND		ug/kg	100	32.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	63.

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/03/21 22:22
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 05/02/21 23:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1493498-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	78.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	37.
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	16.
1,4-Dioxane	ND		ug/kg	25	7.7

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	65		10-136
4-Terphenyl-d14	54		18-120

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/04/21 14:47
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/03/21 16:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06 Batch: WG1493752-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/04/21 14:47
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/03/21 16:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06 Batch: WG1493752-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	63		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1491144-2 WG1491144-3								
Acenaphthene	70		78		37-111	11		30
1,2,4-Trichlorobenzene	65		72		39-98	10		30
Hexachlorobenzene	88		95		40-140	8		30
Bis(2-chloroethyl)ether	61		71		40-140	15		30
2-Chloronaphthalene	74		82		40-140	10		30
1,2-Dichlorobenzene	61		69		40-140	12		30
1,3-Dichlorobenzene	60		66		40-140	10		30
1,4-Dichlorobenzene	60		67		36-97	11		30
3,3'-Dichlorobenzidine	66		68		40-140	3		30
2,4-Dinitrotoluene	85		98		48-143	14		30
2,6-Dinitrotoluene	83		94		40-140	12		30
Fluoranthene	79		84		40-140	6		30
4-Chlorophenyl phenyl ether	86		94		40-140	9		30
4-Bromophenyl phenyl ether	89		99		40-140	11		30
Bis(2-chloroisopropyl)ether	54		61		40-140	12		30
Bis(2-chloroethoxy)methane	63		68		40-140	8		30
Hexachlorobutadiene	69		77		40-140	11		30
Hexachlorocyclopentadiene	72		78		40-140	8		30
Hexachloroethane	60		69		40-140	14		30
Isophorone	66		71		40-140	7		30
Naphthalene	69		76		40-140	10		30
Nitrobenzene	62		71		40-140	14		30
NDPA/DPA	84		95		40-140	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1491144-2 WG1491144-3								
n-Nitrosodi-n-propylamine	66		71		29-132	7		30
Bis(2-ethylhexyl)phthalate	84		88		40-140	5		30
Butyl benzyl phthalate	85		91		40-140	7		30
Di-n-butylphthalate	77		84		40-140	9		30
Di-n-octylphthalate	89		94		40-140	5		30
Diethyl phthalate	94		106		40-140	12		30
Dimethyl phthalate	93		101		40-140	8		30
Benzo(a)anthracene	80		85		40-140	6		30
Benzo(a)pyrene	99		100		40-140	1		30
Benzo(b)fluoranthene	89		89		40-140	0		30
Benzo(k)fluoranthene	90		97		40-140	7		30
Chrysene	86		88		40-140	2		30
Acenaphthylene	76		86		45-123	12		30
Anthracene	79		87		40-140	10		30
Benzo(ghi)perylene	85		93		40-140	9		30
Fluorene	82		91		40-140	10		30
Phenanthrene	77		83		40-140	8		30
Dibenzo(a,h)anthracene	90		98		40-140	9		30
Indeno(1,2,3-cd)pyrene	83		94		40-140	12		30
Pyrene	80		84		26-127	5		30
Biphenyl	77		82		40-140	6		30
4-Chloroaniline	68		72		40-140	6		30
2-Nitroaniline	84		95		52-143	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1491144-2 WG1491144-3								
3-Nitroaniline	78		83		25-145	6		30
4-Nitroaniline	82		91		51-143	10		30
Dibenzofuran	76		84		40-140	10		30
2-Methylnaphthalene	69		78		40-140	12		30
1,2,4,5-Tetrachlorobenzene	79		85		2-134	7		30
Acetophenone	68		74		39-129	8		30
2,4,6-Trichlorophenol	86		96		30-130	11		30
p-Chloro-m-cresol	80		87		23-97	8		30
2-Chlorophenol	70		77		27-123	10		30
2,4-Dichlorophenol	73		79		30-130	8		30
2,4-Dimethylphenol	63		70		30-130	11		30
2-Nitrophenol	74		83		30-130	11		30
4-Nitrophenol	76		**86**	Q	10-80	12		30
2,4-Dinitrophenol	91		106		20-130	15		30
4,6-Dinitro-o-cresol	97		108		20-164	11		30
Pentachlorophenol	80		88		9-103	10		30
Phenol	50		57		12-110	13		30
2-Methylphenol	64		71		30-130	10		30
3-Methylphenol/4-Methylphenol	71		76		30-130	7		30
2,4,5-Trichlorophenol	89		99		30-130	11		30
Benzoic Acid	41		48		10-164	16		30
Benzyl Alcohol	61		67		26-116	9		30
Carbazole	78		88		55-144	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1491144-2 WG1491144-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	70		79		21-120
Phenol-d6	57		65		10-120
Nitrobenzene-d5	78		87		23-120
2-Fluorobiphenyl	89		95		15-120
2,4,6-Tribromophenol	100		**123**	Q	10-120
4-Terphenyl-d14	90		97		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05-06 Batch: WG1491146-2 WG1491146-3								
Acenaphthene	90		82		40-140	9		40
2-Chloronaphthalene	91		81		40-140	12		40
Fluoranthene	106		108		40-140	2		40
Hexachlorobutadiene	82		71		40-140	14		40
Naphthalene	79		69		40-140	14		40
Benzo(a)anthracene	87		89		40-140	2		40
Benzo(a)pyrene	102		103		40-140	1		40
Benzo(b)fluoranthene	91		90		40-140	1		40
Benzo(k)fluoranthene	106		108		40-140	2		40
Chrysene	98		100		40-140	2		40
Acenaphthylene	93		84		40-140	10		40
Anthracene	107		105		40-140	2		40
Benzo(ghi)perylene	96		96		40-140	0		40
Fluorene	106		99		40-140	7		40
Phenanthrene	89		88		40-140	1		40
Dibenzo(a,h)anthracene	103		103		40-140	0		40
Indeno(1,2,3-cd)pyrene	100		101		40-140	1		40
Pyrene	108		110		40-140	2		40
2-Methylnaphthalene	85		75		40-140	13		40
Pentachlorophenol	89		92		40-140	3		40
Hexachlorobenzene	96		91		40-140	5		40
Hexachloroethane	87		77		40-140	12		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05-06 Batch: WG1491146-2 WG1491146-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	83		73		21-120
Phenol-d6	70		61		10-120
Nitrobenzene-d5	107		96		23-120
2-Fluorobiphenyl	103		91		15-120
2,4,6-Tribromophenol	114		115		10-120
4-Terphenyl-d14	132		133		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1493498-2 WG1493498-3								
Acenaphthene	58		52		31-137	11		50
1,2,4-Trichlorobenzene	63		58		38-107	8		50
Hexachlorobenzene	55		49		40-140	12		50
Bis(2-chloroethyl)ether	64		55		40-140	15		50
2-Chloronaphthalene	64		57		40-140	12		50
1,2-Dichlorobenzene	60		54		40-140	11		50
1,3-Dichlorobenzene	57		52		40-140	9		50
1,4-Dichlorobenzene	58		52		28-104	11		50
3,3'-Dichlorobenzidine	50		46		40-140	8		50
2,4-Dinitrotoluene	59		53		40-132	11		50
2,6-Dinitrotoluene	69		63		40-140	9		50
Fluoranthene	56		51		40-140	9		50
4-Chlorophenyl phenyl ether	56		50		40-140	11		50
4-Bromophenyl phenyl ether	56		48		40-140	15		50
Bis(2-chloroisopropyl)ether	80		72		40-140	11		50
Bis(2-chloroethoxy)methane	66		60		40-117	10		50
Hexachlorobutadiene	62		53		40-140	16		50
Hexachlorocyclopentadiene	51		44		40-140	15		50
Hexachloroethane	68		61		40-140	11		50
Isophorone	69		63		40-140	9		50
Naphthalene	60		53		40-140	12		50
Nitrobenzene	72		65		40-140	10		50
NDPA/DPA	60		53		36-157	12		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1493498-2 WG1493498-3								
n-Nitrosodi-n-propylamine	74		68		32-121	8		50
Bis(2-ethylhexyl)phthalate	67		60		40-140	11		50
Butyl benzyl phthalate	64		58		40-140	10		50
Di-n-butylphthalate	63		57		40-140	10		50
Di-n-octylphthalate	64		59		40-140	8		50
Diethyl phthalate	61		56		40-140	9		50
Dimethyl phthalate	66		59		40-140	11		50
Benzo(a)anthracene	59		52		40-140	13		50
Benzo(a)pyrene	57		52		40-140	9		50
Benzo(b)fluoranthene	54		49		40-140	10		50
Benzo(k)fluoranthene	56		51		40-140	9		50
Chrysene	55		49		40-140	12		50
Acenaphthylene	61		54		40-140	12		50
Anthracene	57		51		40-140	11		50
Benzo(ghi)perylene	59		52		40-140	13		50
Fluorene	58		53		40-140	9		50
Phenanthrene	57		50		40-140	13		50
Dibenzo(a,h)anthracene	57		50		40-140	13		50
Indeno(1,2,3-cd)pyrene	57		51		40-140	11		50
Pyrene	56		51		35-142	9		50
Biphenyl	60		53		37-127	12		50
4-Chloroaniline	64		55		40-140	15		50
2-Nitroaniline	72		65		47-134	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1493498-2 WG1493498-3								
3-Nitroaniline	49		45		26-129	9		50
4-Nitroaniline	62		57		41-125	8		50
Dibenzofuran	57		51		40-140	11		50
2-Methylnaphthalene	61		53		40-140	14		50
1,2,4,5-Tetrachlorobenzene	60		52		40-117	14		50
Acetophenone	64		58		14-144	10		50
2,4,6-Trichlorophenol	70		63		30-130	11		50
p-Chloro-m-cresol	71		63		26-103	12		50
2-Chlorophenol	67		62		25-102	8		50
2,4-Dichlorophenol	74		67		30-130	10		50
2,4-Dimethylphenol	70		65		30-130	7		50
2-Nitrophenol	74		68		30-130	8		50
4-Nitrophenol	87		77		11-114	12		50
2,4-Dinitrophenol	67		63		4-130	6		50
4,6-Dinitro-o-cresol	67		61		10-130	9		50
Pentachlorophenol	56		50		17-109	11		50
Phenol	65		58		26-90	11		50
2-Methylphenol	72		64		30-130.	12		50
3-Methylphenol/4-Methylphenol	71		64		30-130	10		50
2,4,5-Trichlorophenol	72		65		30-130	10		50
Benzoic Acid	53		48		10-110	10		50
Benzyl Alcohol	74		66		40-140	11		50
Carbazole	59		**53**	Q	54-128	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1493498-2 WG1493498-3								
1,4-Dioxane	49		43		40-140	13		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	68		60		25-120
Phenol-d6	71		64		10-120
Nitrobenzene-d5	72		67		23-120
2-Fluorobiphenyl	60		54		30-120
2,4,6-Tribromophenol	66		59		10-136
4-Terphenyl-d14	51		46		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06 Batch: WG1493752-2 WG1493752-3								
Acenaphthene	45		61		40-140	30		40
2-Chloronaphthalene	45		61		40-140	30		40
Fluoranthene	52		67		40-140	25		40
Hexachlorobutadiene	**38**	Q	51		40-140	29		40
Naphthalene	44		59		40-140	29		40
Benzo(a)anthracene	52		67		40-140	25		40
Benzo(a)pyrene	54		70		40-140	26		40
Benzo(b)fluoranthene	51		66		40-140	26		40
Benzo(k)fluoranthene	48		62		40-140	25		40
Chrysene	48		61		40-140	24		40
Acenaphthylene	44		59		40-140	29		40
Anthracene	50		65		40-140	26		40
Benzo(ghi)perylene	56		71		40-140	24		40
Fluorene	48		64		40-140	29		40
Phenanthrene	46		60		40-140	26		40
Dibenzo(a,h)anthracene	59		75		40-140	24		40
Indeno(1,2,3-cd)pyrene	61		76		40-140	22		40
Pyrene	53		68		40-140	25		40
2-Methylnaphthalene	45		61		40-140	30		40
Pentachlorophenol	65		86		40-140	28		40
Hexachlorobenzene	**39**	Q	60		40-140	**42**	Q	40
Hexachloroethane	40		54		40-140	30		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06 Batch: WG1493752-2 WG1493752-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	48		65		21-120
Phenol-d6	40		56		10-120
Nitrobenzene-d5	60		81		23-120
2-Fluorobiphenyl	51		69		15-120
2,4,6-Tribromophenol	73		92		10-120
4-Terphenyl-d14	56		72		41-149

METALS

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-01 Date Collected: 04/21/21 09:10

Client ID: SB001_0-2 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4340		mg/kg	8.30	2.24	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Antimony, Total	0.423	J	mg/kg	4.15	0.315	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Arsenic, Total	1.68		mg/kg	0.830	0.173	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Barium, Total	196		mg/kg	0.830	0.144	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Beryllium, Total	0.232	J	mg/kg	0.415	0.027	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Cadmium, Total	0.531	J	mg/kg	0.830	0.081	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Calcium, Total	5340		mg/kg	8.30	2.90	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Chromium, Total	14.1		mg/kg	0.830	0.080	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Cobalt, Total	5.21		mg/kg	1.66	0.138	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Copper, Total	22.3		mg/kg	0.830	0.214	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Iron, Total	10800		mg/kg	4.15	0.749	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Lead, Total	839		mg/kg	4.15	0.222	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Magnesium, Total	3920		mg/kg	8.30	1.28	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Manganese, Total	234		mg/kg	0.830	0.132	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Mercury, Total	0.105		mg/kg	0.075	0.049	1	04/29/21 22:39	04/30/21 13:38	EPA 7471B	1,7471B	NB
Nickel, Total	12.1		mg/kg	2.07	0.201	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Potassium, Total	831		mg/kg	207	12.0	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.66	0.214	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.830	0.235	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Sodium, Total	114	J	mg/kg	166	2.61	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.66	0.261	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Vanadium, Total	20.9		mg/kg	0.830	0.168	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV
Zinc, Total	166		mg/kg	4.15	0.243	2	04/29/21 22:11	04/30/21 17:52	EPA 3050B	1,6010D	BV

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-02 Date Collected: 04/21/21 10:20

Client ID: SB002_3-5 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY 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	5910		mg/kg	8.59	2.32	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Antimony, Total	3.24	J	mg/kg	4.29	0.326	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Arsenic, Total	11.9		mg/kg	0.859	0.178	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Barium, Total	207		mg/kg	0.859	0.149	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Beryllium, Total	0.421	J	mg/kg	0.429	0.028	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Cadmium, Total	1.99		mg/kg	0.859	0.084	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Calcium, Total	2230		mg/kg	8.59	3.00	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Chromium, Total	19.2		mg/kg	0.859	0.082	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Cobalt, Total	10.3		mg/kg	1.72	0.142	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Copper, Total	297		mg/kg	0.859	0.222	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Iron, Total	24200		mg/kg	4.29	0.775	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Lead, Total	940		mg/kg	4.29	0.230	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Magnesium, Total	1460		mg/kg	8.59	1.32	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Manganese, Total	313		mg/kg	0.859	0.136	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Mercury, Total	1.78		mg/kg	0.071	0.046	1	04/29/21 22:39	04/30/21 13:42	EPA 7471B	1,7471B	NB
Nickel, Total	18.6		mg/kg	2.15	0.208	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Potassium, Total	358		mg/kg	215	12.4	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Selenium, Total	1.02	J	mg/kg	1.72	0.222	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Silver, Total	0.764	J	mg/kg	0.859	0.243	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Sodium, Total	75.6	J	mg/kg	172	2.70	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.72	0.270	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Vanadium, Total	56.3		mg/kg	0.859	0.174	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV
Zinc, Total	484		mg/kg	4.29	0.252	2	04/29/21 22:11	04/30/21 17:57	EPA 3050B	1,6010D	BV

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-03 Date Collected: 04/21/21 10:45

Client ID: SB003_0-2 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3560		mg/kg	8.34	2.25	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Antimony, Total	0.609	J	mg/kg	4.17	0.317	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Arsenic, Total	2.21		mg/kg	0.834	0.173	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Barium, Total	99.2		mg/kg	0.834	0.145	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Beryllium, Total	0.217	J	mg/kg	0.417	0.028	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Cadmium, Total	0.508	J	mg/kg	0.834	0.082	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Calcium, Total	8310		mg/kg	8.34	2.92	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Chromium, Total	10.4		mg/kg	0.834	0.080	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Cobalt, Total	4.28		mg/kg	1.67	0.138	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Copper, Total	31.8		mg/kg	0.834	0.215	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Iron, Total	11800		mg/kg	4.17	0.753	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Lead, Total	632		mg/kg	4.17	0.223	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Magnesium, Total	2170		mg/kg	8.34	1.28	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Manganese, Total	292		mg/kg	0.834	0.132	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Mercury, Total	0.241		mg/kg	0.072	0.047	1	04/29/21 22:39	04/30/21 13:45	EPA 7471B	1,7471B	NB
Nickel, Total	8.82		mg/kg	2.08	0.202	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Potassium, Total	435		mg/kg	208	12.0	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.67	0.215	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.834	0.236	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Sodium, Total	82.0	J	mg/kg	167	2.63	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.67	0.263	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Vanadium, Total	16.6		mg/kg	0.834	0.169	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV
Zinc, Total	144		mg/kg	4.17	0.244	2	04/29/21 22:11	04/30/21 18:02	EPA 3050B	1,6010D	BV

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-04 Date Collected: 04/21/21 11:50

Client ID: SB004_5-7 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4340		mg/kg	8.43	2.28	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Antimony, Total	0.413	J	mg/kg	4.22	0.320	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Arsenic, Total	1.90		mg/kg	0.843	0.175	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Barium, Total	34.3		mg/kg	0.843	0.147	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Beryllium, Total	0.211	J	mg/kg	0.422	0.028	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Cadmium, Total	0.362	J	mg/kg	0.843	0.083	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Calcium, Total	21400		mg/kg	8.43	2.95	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Chromium, Total	13.1		mg/kg	0.843	0.081	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Cobalt, Total	4.91		mg/kg	1.69	0.140	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Copper, Total	14.6		mg/kg	0.843	0.218	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Iron, Total	12900		mg/kg	4.22	0.761	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Lead, Total	75.3		mg/kg	4.22	0.226	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Magnesium, Total	3190		mg/kg	8.43	1.30	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Manganese, Total	320		mg/kg	0.843	0.134	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.073	0.048	1	04/29/21 22:39	04/30/21 13:48	EPA 7471B	1,7471B	NB
Nickel, Total	11.2		mg/kg	2.11	0.204	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Potassium, Total	504		mg/kg	211	12.1	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.69	0.218	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.843	0.238	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Sodium, Total	209		mg/kg	169	2.66	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.69	0.266	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Vanadium, Total	15.4		mg/kg	0.843	0.171	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV
Zinc, Total	103		mg/kg	4.22	0.247	2	04/29/21 22:11	04/30/21 18:07	EPA 3050B	1,6010D	BV

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-05 Date Collected: 04/21/21 10:10

Client ID: GW001 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10.3		mg/l	0.0100	0.00327	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Antimony, Total	0.00050	J	mg/l	0.00400	0.00042	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00627		mg/l	0.00050	0.00016	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Barium, Total	1.076		mg/l	0.00050	0.00017	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Beryllium, Total	0.00143		mg/l	0.00050	0.00010	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Cadmium, Total	0.00157		mg/l	0.00020	0.00005	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Calcium, Total	1140		mg/l	2.00	0.788	20	04/30/21 09:05	04/30/21 18:14	EPA 3005A	1,6020B	CD
Chromium, Total	0.06868		mg/l	0.00100	0.00017	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Cobalt, Total	0.1017		mg/l	0.00050	0.00016	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Copper, Total	0.1697		mg/l	0.00100	0.00038	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Iron, Total	27.0		mg/l	0.0500	0.0191	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Lead, Total	0.02751		mg/l	0.00100	0.00034	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Magnesium, Total	155.		mg/l	0.0700	0.0242	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Manganese, Total	13.86		mg/l	0.02000	0.00880	20	04/30/21 09:05	04/30/21 18:14	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/30/21 09:58	04/30/21 16:26	EPA 7470A	1,7470A	NB
Nickel, Total	0.2017		mg/l	0.00200	0.00055	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Potassium, Total	10.6		mg/l	0.100	0.0309	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Selenium, Total	0.00738		mg/l	0.00500	0.00173	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Sodium, Total	6.29		mg/l	0.100	0.0293	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Thallium, Total	0.00045	J	mg/l	0.00100	0.00014	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Vanadium, Total	0.02300		mg/l	0.00500	0.00157	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Zinc, Total	2.720		mg/l	0.01000	0.00341	1	04/30/21 09:05	04/30/21 16:59	EPA 3005A	1,6020B	CD
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	1.07		mg/l	0.0100	0.00327	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Antimony, Dissolved	0.00078	J	mg/l	0.00400	0.00042	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Arsenic, Dissolved	0.00035	J	mg/l	0.00050	0.00016	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Barium, Dissolved	0.02464		mg/l	0.00050	0.00017	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-05 Date Collected: 04/21/21 10:10

Client ID: GW001 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Calcium, Dissolved	24.0		mg/l	0.100	0.0394	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Chromium, Dissolved	0.00361		mg/l	0.00100	0.00017	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Cobalt, Dissolved	0.00110		mg/l	0.00050	0.00016	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Copper, Dissolved	0.00489		mg/l	0.00100	0.00038	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Iron, Dissolved	2.29		mg/l	0.0500	0.0191	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Lead, Dissolved	0.00143		mg/l	0.00100	0.00034	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Magnesium, Dissolved	7.62		mg/l	0.0700	0.0242	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Manganese, Dissolved	0.05244		mg/l	0.00100	0.00044	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	04/30/21 15:58	05/01/21 15:06	EPA 7470A	1,7470A	NB
Nickel, Dissolved	0.00339		mg/l	0.00200	0.00055	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Potassium, Dissolved	2.66		mg/l	0.100	0.0309	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Sodium, Dissolved	2.95		mg/l	0.100	0.0293	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Thallium, Dissolved	0.00037	J	mg/l	0.00100	0.00014	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Vanadium, Dissolved	0.00268	J	mg/l	0.00500	0.00157	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD
Zinc, Dissolved	0.01715		mg/l	0.01000	0.00341	1	04/30/21 15:36	05/03/21 11:39	EPA 3005A	1,6020B	CD

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-06 Date Collected: 04/21/21 11:15

Client ID: GW002 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8.17		mg/l	0.0200	0.00654	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Antimony, Total	ND		mg/l	0.00800	0.00085	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Arsenic, Total	0.00405		mg/l	0.00100	0.00033	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Barium, Total	2.045		mg/l	0.00100	0.00034	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Beryllium, Total	0.00149		mg/l	0.00100	0.00021	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Cadmium, Total	0.00262		mg/l	0.00040	0.00011	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Calcium, Total	2040		mg/l	4.00	1.58	20	04/30/21 09:05	04/30/21 18:37	EPA 3005A	1,6020B	CD
Chromium, Total	0.05277		mg/l	0.00200	0.00035	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Cobalt, Total	0.1522		mg/l	0.00100	0.00032	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Copper, Total	0.05881		mg/l	0.00200	0.00076	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Iron, Total	13.9		mg/l	0.100	0.0382	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Lead, Total	0.02288		mg/l	0.00200	0.00068	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Magnesium, Total	153.		mg/l	0.140	0.0484	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Manganese, Total	17.70		mg/l	0.00200	0.00088	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/30/21 09:58	04/30/21 16:29	EPA 7470A	1,7470A	NB
Nickel, Total	0.1293		mg/l	0.00400	0.00111	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Potassium, Total	18.2		mg/l	0.200	0.0618	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Selenium, Total	0.0133		mg/l	0.0100	0.00346	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Silver, Total	ND		mg/l	0.00080	0.00032	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Sodium, Total	29.6		mg/l	0.200	0.0586	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Thallium, Total	0.00054	J	mg/l	0.00200	0.00028	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Vanadium, Total	0.01435		mg/l	0.01000	0.00314	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Zinc, Total	0.1109		mg/l	0.02000	0.00682	1	04/30/21 09:05	04/30/21 17:04	EPA 3005A	1,6020B	CD
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00986	J	mg/l	0.0100	0.00327	1	05/03/21 13:42	05/03/21 19:01	EPA 3005A	1,6020B	CD
Antimony, Dissolved	0.00051	J	mg/l	0.00400	0.00042	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Arsenic, Dissolved	0.00022	J	mg/l	0.00050	0.00016	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Barium, Dissolved	0.07930		mg/l	0.00050	0.00017	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-06 Date Collected: 04/21/21 11:15

Client ID: GW002 Date Received: 04/21/21

Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Calcium, Dissolved	98.7		mg/l	0.100	0.0394	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Cobalt, Dissolved	0.00196		mg/l	0.00050	0.00016	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Copper, Dissolved	0.00047	J	mg/l	0.00100	0.00038	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Iron, Dissolved	0.0466	J	mg/l	0.0500	0.0191	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Magnesium, Dissolved	34.0		mg/l	0.0700	0.0242	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Manganese, Dissolved	0.2827		mg/l	0.00100	0.00044	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	04/30/21 15:58	05/01/21 14:56	EPA 7470A	1,7470A	NB
Nickel, Dissolved	0.00638		mg/l	0.00200	0.00055	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Potassium, Dissolved	5.32		mg/l	0.100	0.0309	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Selenium, Dissolved	0.00432	J	mg/l	0.00500	0.00173	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Sodium, Dissolved	23.9		mg/l	0.100	0.0293	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Thallium, Dissolved	0.00022	J	mg/l	0.00100	0.00014	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	04/30/21 15:36	05/03/21 11:43	EPA 3005A	1,6020B	CD

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

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): 01-04 Batch: WG1491407-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Antimony, Total	ND		mg/kg	2.00	0.152	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Barium, Total	ND		mg/kg	0.400	0.070	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Calcium, Total	ND		mg/kg	4.00	1.40	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Chromium, Total	ND		mg/kg	0.400	0.038	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Copper, Total	0.468		mg/kg	0.400	0.103	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Iron, Total	ND		mg/kg	2.00	0.361	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Lead, Total	ND		mg/kg	2.00	0.107	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Manganese, Total	ND		mg/kg	0.400	0.064	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Nickel, Total	ND		mg/kg	1.00	0.097	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Potassium, Total	ND		mg/kg	100	5.76	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Selenium, Total	ND		mg/kg	0.800	0.103	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Silver, Total	ND		mg/kg	0.400	0.113	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Sodium, Total	ND		mg/kg	80.0	1.26	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Thallium, Total	ND		mg/kg	0.800	0.126	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV
Zinc, Total	ND		mg/kg	2.00	0.117	1	04/29/21 22:11	04/30/21 15:07	1,6010D	SV

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): 01-04 Batch: WG1491409-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	04/29/21 22:39	04/30/21 12:49	1,7471B	NB

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 05-06 Batch: WG1492300-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Barium, Total	ND		mg/l	0.00050	0.00017	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Calcium, Total	ND		mg/l	0.100	0.0394	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Chromium, Total	ND		mg/l	0.00100	0.00017	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Iron, Total	ND		mg/l	0.0500	0.0191	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Manganese, Total	0.00046	J	mg/l	0.00100	0.00044	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Potassium, Total	ND		mg/l	0.100	0.0309	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Sodium, Total	ND		mg/l	0.100	0.0293	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Thallium, Total	ND		mg/l	0.00100	0.00014	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/30/21 09:05	04/30/21 16:30	1,6020B	CD

Prep Information

Digestion Method: EPA 3005A

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

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): 05-06 Batch: WG1492301-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/30/21 09:58	04/30/21 16:10	1,7470A	NB

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 05-06 Batch: WG1492818-1										
Aluminum, Dissolved	0.0219		mg/l	0.0100	0.00327	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Antimony, Dissolved	0.00056	J	mg/l	0.00400	0.00042	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Iron, Dissolved	0.0242	J	mg/l	0.0500	0.0191	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Sodium, Dissolved	0.117		mg/l	0.100	0.0293	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD
Zinc, Dissolved	0.00956	J	mg/l	0.01000	0.00341	1	04/30/21 15:36	05/03/21 11:15	1,6020B	CD

Project Name: ICF2102 **Lab Number:** L2120445

Project Number: ICF2102 **Report Date:** 05/05/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 05-06 Batch: WG1492819-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	04/30/21 15:58	05/01/21 14:42	1,7470A	NB

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 06 Batch: WG1493733-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	05/03/21 13:42	05/03/21 18:32	1,6020B	CD

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1491407-2 SRM Lot Number: D109-540								
Aluminum, Total	71		-		50-150	-		
Antimony, Total	157		-		19-250	-		
Arsenic, Total	113		-		70-130	-		
Barium, Total	105		-		75-125	-		
Beryllium, Total	107		-		75-125	-		
Cadmium, Total	112		-		75-125	-		
Calcium, Total	102		-		73-128	-		
Chromium, Total	102		-		70-130	-		
Cobalt, Total	108		-		75-125	-		
Copper, Total	107		-		75-125	-		
Iron, Total	100		-		35-165	-		
Lead, Total	106		-		72-128	-		
Magnesium, Total	90		-		62-138	-		
Manganese, Total	107		-		74-126	-		
Nickel, Total	109		-		70-130	-		
Potassium, Total	91		-		59-141	-		
Selenium, Total	111		-		68-132	-		
Silver, Total	107		-		68-131	-		
Sodium, Total	104		-		35-165	-		
Thallium, Total	104		-		68-131	-		
Vanadium, Total	101		-		59-141	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1491407-2 SRM Lot Number: D109-540					
Zinc, Total	106	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1491409-2 SRM Lot Number: D109-540					
Mercury, Total	87	-	60-140	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05-06 Batch: WG1492300-2					
Aluminum, Total	90	-	80-120	-	
Antimony, Total	92	-	80-120	-	
Arsenic, Total	104	-	80-120	-	
Barium, Total	102	-	80-120	-	
Beryllium, Total	98	-	80-120	-	
Cadmium, Total	107	-	80-120	-	
Calcium, Total	80	-	80-120	-	
Chromium, Total	96	-	80-120	-	
Cobalt, Total	98	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	100	-	80-120	-	
Lead, Total	98	-	80-120	-	
Magnesium, Total	99	-	80-120	-	
Manganese, Total	95	-	80-120	-	
Nickel, Total	95	-	80-120	-	
Potassium, Total	101	-	80-120	-	
Selenium, Total	103	-	80-120	-	
Silver, Total	100	-	80-120	-	
Sodium, Total	102	-	80-120	-	
Thallium, Total	94	-	80-120	-	
Vanadium, Total	95	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05-06 Batch: WG1492300-2					
Zinc, Total	107	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 05-06 Batch: WG1492301-2					
Mercury, Total	96	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05-06 Batch: WG1492818-2					
Aluminum, Dissolved	100	-	80-120	-	
Antimony, Dissolved	89	-	80-120	-	
Arsenic, Dissolved	104	-	80-120	-	
Barium, Dissolved	100	-	80-120	-	
Beryllium, Dissolved	102	-	80-120	-	
Cadmium, Dissolved	107	-	80-120	-	
Calcium, Dissolved	105	-	80-120	-	
Chromium, Dissolved	97	-	80-120	-	
Cobalt, Dissolved	100	-	80-120	-	
Copper, Dissolved	101	-	80-120	-	
Iron, Dissolved	100	-	80-120	-	
Lead, Dissolved	104	-	80-120	-	
Magnesium, Dissolved	101	-	80-120	-	
Manganese, Dissolved	96	-	80-120	-	
Nickel, Dissolved	97	-	80-120	-	
Potassium, Dissolved	106	-	80-120	-	
Selenium, Dissolved	108	-	80-120	-	
Silver, Dissolved	102	-	80-120	-	
Sodium, Dissolved	102	-	80-120	-	
Thallium, Dissolved	102	-	80-120	-	
Vanadium, Dissolved	96	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05-06 Batch: WG1492818-2					
Zinc, Dissolved	109	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 05-06 Batch: WG1492819-2					
Mercury, Dissolved	98	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 06 Batch: WG1493733-2					
Aluminum, Dissolved	96	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

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): 01-04 QC Batch ID: WG1491407-3 QC Sample: L2120976-01 Client ID: MS Sample												
Aluminum, Total	5180	164	5090	**0**	Q	-	-		75-125	-		20
Antimony, Total	0.962J	41	37.1	90		-	-		75-125	-		20
Arsenic, Total	ND	9.84	12.2	124		-	-		75-125	-		20
Barium, Total	47.4	164	188	86		-	-		75-125	-		20
Beryllium, Total	0.498	4.1	4.28	92		-	-		75-125	-		20
Cadmium, Total	0.888	4.18	4.63	89		-	-		75-125	-		20
Calcium, Total	1210	820	2460	**152**	Q	-	-		75-125	-		20
Chromium, Total	16.1	16.4	29.6	82		-	-		75-125	-		20
Cobalt, Total	7.20	41	43.3	88		-	-		75-125	-		20
Copper, Total	44.0	20.5	52.7	**42**	Q	-	-		75-125	-		20
Iron, Total	40500	82	21900	**0**	Q	-	-		75-125	-		20
Lead, Total	7.33	41.8	46.1	93		-	-		75-125	-		20
Magnesium, Total	1960	820	2330	**45**	Q	-	-		75-125	-		20
Manganese, Total	850	41	442	**0**	Q	-	-		75-125	-		20
Nickel, Total	12.5	41	47.9	86		-	-		75-125	-		20
Potassium, Total	799	820	1410	**74**	Q	-	-		75-125	-		20
Selenium, Total	1.05J	9.84	10.4	106		-	-		75-125	-		20
Silver, Total	ND	24.6	23.3	95		-	-		75-125	-		20
Sodium, Total	130J	820	924	113		-	-		75-125	-		20
Thallium, Total	0.448J	9.84	7.40	75		-	-		75-125	-		20
Vanadium, Total	28.4	41	57.5	**71**	Q	-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

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): 01-04 QC Batch ID: WG1491407-3 QC Sample: L2120976-01 Client ID: MS Sample										
Zinc, Total	39.9	41	64.9	**61**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1491409-3 QC Sample: L2120976-01 Client ID: MS Sample										
Mercury, Total	ND	0.15	0.154	102		-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

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): 05-06 QC Batch ID: WG1492300-3 QC Sample: L2121706-01 Client ID: MS Sample										
Aluminum, Total	0.178	2	2.08	95		-	-	75-125	-	20
Antimony, Total	0.0064	0.5	0.5595	111		-	-	75-125	-	20
Arsenic, Total	0.0472	0.12	0.1794	110		-	-	75-125	-	20
Barium, Total	0.07740	2	2.170	105		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.04619	92		-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.05360	105		-	-	75-125	-	20
Calcium, Total	144	10	168	**240**	Q	-	-	75-125	-	20
Chromium, Total	0.1484	0.2	0.3903	121		-	-	75-125	-	20
Cobalt, Total	0.00080	0.5	0.4976	99		-	-	75-125	-	20
Copper, Total	0.00233	0.25	0.2586	102		-	-	75-125	-	20
Iron, Total	0.300	1	1.30	100		-	-	75-125	-	20
Lead, Total	0.0007J	0.51	0.5253	103		-	-	75-125	-	20
Magnesium, Total	0.061J	10	10.6	106		-	-	75-125	-	20
Manganese, Total	0.0011	0.5	0.4809	96		-	-	75-125	-	20
Nickel, Total	0.00199J	0.5	0.4791	96		-	-	75-125	-	20
Potassium, Total	224	10	250	**260**	Q	-	-	75-125	-	20
Selenium, Total	0.00356J	0.12	0.128	107		-	-	75-125	-	20
Silver, Total	ND	0.05	0.05011	100		-	-	75-125	-	20
Sodium, Total	977	10	946	**0**	Q	-	-	75-125	-	20
Thallium, Total	0.0003J	0.12	0.1225	102		-	-	75-125	-	20
Vanadium, Total	0.0043J	0.5	0.4923	98		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

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): 05-06 QC Batch ID: WG1492300-3 QC Sample: L2121706-01 Client ID: MS Sample									
Zinc, Total	0.04048	0.5	0.5870	109	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 05-06 QC Batch ID: WG1492301-3 QC Sample: L2121706-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00479	96	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05-06 QC Batch ID: WG1492818-3 QC Sample: L2120445-05 Client ID: GW001									
Aluminum, Dissolved	1.07	2	3.16	104	-	-	75-125	-	20
Antimony, Dissolved	0.00078J	0.5	0.4816	96	-	-	75-125	-	20
Arsenic, Dissolved	0.00035J	0.12	0.1275	106	-	-	75-125	-	20
Barium, Dissolved	0.02464	2	2.024	100	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05172	103	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05489	108	-	-	75-125	-	20
Calcium, Dissolved	24.0	10	36.0	120	-	-	75-125	-	20
Chromium, Dissolved	0.00361	0.2	0.1970	97	-	-	75-125	-	20
Cobalt, Dissolved	0.00110	0.5	0.4880	97	-	-	75-125	-	20
Copper, Dissolved	0.00489	0.25	0.2540	100	-	-	75-125	-	20
Iron, Dissolved	2.29	1	3.30	101	-	-	75-125	-	20
Lead, Dissolved	0.00143	0.51	0.5132	100	-	-	75-125	-	20
Magnesium, Dissolved	7.62	10	17.8	102	-	-	75-125	-	20
Manganese, Dissolved	0.05244	0.5	0.5255	95	-	-	75-125	-	20
Nickel, Dissolved	0.00339	0.5	0.4769	95	-	-	75-125	-	20
Potassium, Dissolved	2.66	10	13.2	105	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.130	108	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.04987	100	-	-	75-125	-	20
Sodium, Dissolved	2.95	10	13.2	102	-	-	75-125	-	20
Thallium, Dissolved	0.00037J	0.12	0.1181	98	-	-	75-125	-	20
Vanadium, Dissolved	0.00268J	0.5	0.4820	96	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05-06 QC Batch ID: WG1492818-3 QC Sample: L2120445-05 Client ID: GW001									
Zinc, Dissolved	0.01715	0.5	0.5622	109	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 05-06 QC Batch ID: WG1492819-3 QC Sample: L2120445-06 Client ID: GW002									
Mercury, Dissolved	ND	0.005	0.00498	100	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1493733-3 QC Sample: L2120445-06 Client ID: GW002									
Aluminum, Dissolved	0.00986J	4	3.70	92	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1491407-4 QC Sample: L2120976-01 Client ID: DUP Sample						
Aluminum, Total	5180	4360	mg/kg	17		20
Antimony, Total	0.962J	0.531J	mg/kg	NC		20
Arsenic, Total	ND	2.22	mg/kg	NC		20
Barium, Total	47.4	36.3	mg/kg	**27**	Q	20
Beryllium, Total	0.498	0.348J	mg/kg	NC		20
Cadmium, Total	0.888	0.439J	mg/kg	NC		20
Calcium, Total	1210	1410	mg/kg	15		20
Chromium, Total	16.1	14.9	mg/kg	8		20
Cobalt, Total	7.20	5.94	mg/kg	19		20
Copper, Total	44.0	36.7	mg/kg	18		20
Lead, Total	7.33	6.36	mg/kg	14		20
Magnesium, Total	1960	1510	mg/kg	**26**	Q	20
Manganese, Total	850	390	mg/kg	**74**	Q	20
Nickel, Total	12.5	12.4	mg/kg	1		20
Potassium, Total	799	669	mg/kg	18		20
Selenium, Total	1.05J	0.804J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	130J	108J	mg/kg	NC		20
Thallium, Total	0.448J	ND	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1491407-4 QC Sample: L2120976-01 Client ID: DUP Sample						
Vanadium, Total	28.4	22.1	mg/kg	**25**	Q	20
Zinc, Total	39.9	19.6	mg/kg	**68**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1491407-4 QC Sample: L2120976-01 Client ID: DUP Sample						
Iron, Total	40500	21100	mg/kg	**63**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1491409-4 QC Sample: L2120976-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 05-06 QC Batch ID: WG1492300-4 QC Sample: L2121706-01 Client ID: DUP Sample						
Aluminum, Total	0.178	0.172	mg/l	3		20
Barium, Total	0.07740	0.07406	mg/l	4		20
Cobalt, Total	0.00080	0.00076	mg/l	5		20
Copper, Total	0.00233	0.00231	mg/l	1		20
Iron, Total	0.300	0.291	mg/l	3		20
Nickel, Total	0.00199J	0.00190J	mg/l	NC		20
Selenium, Total	0.00356J	0.00333J	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.04048	0.03890	mg/l	4		20
Total Metals - Mansfield Lab Associated sample(s): 05-06 QC Batch ID: WG1492301-4 QC Sample: L2121706-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05-06 QC Batch ID: WG1492818-4 QC Sample: L2120445-05 Client ID: GW001					
Aluminum, Dissolved	1.07	1.06	mg/l	1	20
Antimony, Dissolved	0.00078J	0.00121J	mg/l	NC	20
Arsenic, Dissolved	0.00035J	0.00044J	mg/l	NC	20
Barium, Dissolved	0.02464	0.02448	mg/l	1	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	24.0	24.2	mg/l	1	20
Chromium, Dissolved	0.00361	0.00349	mg/l	3	20
Cobalt, Dissolved	0.00110	0.00113	mg/l	3	20
Copper, Dissolved	0.00489	0.00461	mg/l	6	20
Iron, Dissolved	2.29	2.28	mg/l	0	20
Lead, Dissolved	0.00143	0.00141	mg/l	1	20
Magnesium, Dissolved	7.62	7.66	mg/l	1	20
Manganese, Dissolved	0.05244	0.05210	mg/l	1	20
Nickel, Dissolved	0.00339	0.00336	mg/l	1	20
Potassium, Dissolved	2.66	2.69	mg/l	1	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	2.95	2.96	mg/l	0	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05-06 QC Batch ID: WG1492818-4 QC Sample: L2120445-05 Client ID: GW001					
Thallium, Dissolved	0.00037J	0.00097J	mg/l	NC	20
Vanadium, Dissolved	0.00268J	0.00263J	mg/l	NC	20
Zinc, Dissolved	0.01715	0.01679	mg/l	2	20
Dissolved Metals - Mansfield Lab Associated sample(s): 05-06 QC Batch ID: WG1492819-4 QC Sample: L2120445-06 Client ID: GW002					
Mercury, Dissolved	ND	ND	mg/l	NC	20
Dissolved Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1493733-4 QC Sample: L2120445-06 Client ID: GW002					
Aluminum, Dissolved	0.00986J	0.00778J	mg/l	NC	20

Project Name: ICF2102
Project Number: ICF2102

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2120445
Report Date: 05/05/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1491407-6 QC Sample: L2120976-01 Client ID: DUP Sample						
Aluminum, Total	5180	4310	mg/kg	17		20
Barium, Total	47.4	40.4	mg/kg	15		20
Calcium, Total	1210	1070	mg/kg	12		20
Copper, Total	44.0	46.1	mg/kg	5		20
Magnesium, Total	1960	2050	mg/kg	5		20
Manganese, Total	850	772	mg/kg	9		20
Vanadium, Total	28.4	29.4	mg/kg	4		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1491407-6 QC Sample: L2120976-01 Client ID: DUP Sample						
Iron, Total	40500	49100	mg/kg	**21**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 05-06 QC Batch ID: WG1492300-6 QC Sample: L2121706-01 Client ID: DUP Sample						
Barium, Total	0.07740	0.07470	mg/l	3		20

Project Name: ICF2102
Project Number: ICF2102

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2120445
Report Date: 05/05/21

Parameter	Native Sample	Serial Dilution	Units	% D	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05-06 QC Batch ID: WG1492818-6 QC Sample: L2120445-05 Client ID: GW001					
Aluminum, Dissolved	1.07	1.04	mg/l	3	20
Barium, Dissolved	0.02464	0.02359	mg/l	4	20
Calcium, Dissolved	24.0	23.2	mg/l	3	20
Iron, Dissolved	2.29	2.14	mg/l	7	20
Magnesium, Dissolved	7.62	7.47	mg/l	2	20
Manganese, Dissolved	0.05244	0.04967	mg/l	5	20
Potassium, Dissolved	2.66	2.60	mg/l	2	20
Sodium, Dissolved	2.95	2.86	mg/l	3	20

INORGANICS
&
MISCELLANEOUS

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-01
Client ID: SB001_0-2
Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY

Date Collected: 04/21/21 09:10
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.8		%	0.100	NA	1	-	04/22/21 11:52	121,2540G	RI

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-02
Client ID: SB002_3-5
Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY

Date Collected: 04/21/21 10:20
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.3		%	0.100	NA	1	-	04/22/21 11:52	121,2540G	RI

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-03
Client ID: SB003_0-2
Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY

Date Collected: 04/21/21 10:45
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.0		%	0.100	NA	1	-	04/22/21 11:52	121,2540G	RI

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

SAMPLE RESULTS

Lab ID: L2120445-04
Client ID: SB004_5-7
Sample Location: 28-12 41ST AVE, LONG ISLAND CITY, NY

Date Collected: 04/21/21 11:50
Date Received: 04/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.6		%	0.100	NA	1	-	04/22/21 11:52	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1489434-1 QC Sample: L2119929-08 Client ID: DUP Sample						
Solids, Total	84.0	83.7	%	0		20

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

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(*)
L2120445-01A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L2120445-01B	Vial water preserved	A	NA		3.3	Y	Absent	22-APR-21 11:27	NYTCL-8260HLW(14),NYTCL-8260H(14)
L2120445-01C	Vial water preserved	A	NA		3.3	Y	Absent	22-APR-21 11:27	NYTCL-8260HLW(14),NYTCL-8260H(14)
L2120445-01D	Plastic 120ml unpreserved	A	NA		3.3	Y	Absent		TS(7)
L2120445-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2120445-01F	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14)
L2120445-02A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW(14)
L2120445-02B	Vial water preserved	A	NA		3.3	Y	Absent	22-APR-21 11:27	NYTCL-8260HLW(14)
L2120445-02C	Vial water preserved	A	NA		3.3	Y	Absent	22-APR-21 11:27	NYTCL-8260HLW(14)
L2120445-02D	Plastic 120ml unpreserved	A	NA		3.3	Y	Absent		TS(7)
L2120445-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2120445-02F	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14)
L2120445-03A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW(14)
L2120445-03B	Vial water preserved	A	NA		3.3	Y	Absent	22-APR-21 11:27	NYTCL-8260HLW(14)
L2120445-03C	Vial water preserved	A	NA		3.3	Y	Absent	22-APR-21 11:27	NYTCL-8260HLW(14)
L2120445-03D	Plastic 120ml unpreserved	A	NA		3.3	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2120445-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2120445-03F	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14)
L2120445-04A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW(14)
L2120445-04B	Vial water preserved	A	NA		3.3	Y	Absent	22-APR-21 11:27	NYTCL-8260HLW(14)
L2120445-04C	Vial water preserved	A	NA		3.3	Y	Absent	22-APR-21 11:27	NYTCL-8260HLW(14)
L2120445-04D	Plastic 120ml unpreserved	A	NA		3.3	Y	Absent		TS(7)
L2120445-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2120445-04F	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14)
L2120445-05A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L2120445-05B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L2120445-05C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L2120445-05D	Plastic 250ml unpreserved	A	7	7	3.3	Y	Absent		-
L2120445-05E	Plastic 250ml HNO3 preserved	A	<2	<2	3.3	Y	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),HG-T(28),CD-6020T(180),MG-6020T(180),AL-6020T(180),AG-6020T(180),CO-6020T(180)
L2120445-05F	Amber 250ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2120445-05G	Amber 250ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: ICF2102
Project Number: ICF2102

Lab Number: L2120445
Report Date: 05/05/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2120445-05X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.3	Y	Absent		K-6020S(180),V-6020S(180),SE-6020S(180),CU-6020S(180),MN-6020S(180),BE-6020S(180),ZN-6020S(180),CO-6020S(180),MG-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),PB-6020S(180),TL-6020S(180),NI-6020S(180),NA-6020S(180),BA-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),HG-S(28),CD-6020S(180),AL-6020S(180)
L2120445-06A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L2120445-06B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L2120445-06C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L2120445-06D	Plastic 250ml unpreserved	A	7	7	3.3	Y	Absent		-
L2120445-06E	Plastic 250ml HNO3 preserved	A	5	<2	3.3	N	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),MG-6020T(180),HG-T(28),CD-6020T(180),CO-6020T(180)
L2120445-06F	Amber 250ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2120445-06G	Amber 250ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2120445-06X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.3	Y	Absent		K-6020S(180),CU-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),MG-6020S(180),CO-6020S(180),ZN-6020S(180),BE-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),PB-6020S(180),BA-6020S(180),NI-6020S(180),TL-6020S(180),NA-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

Project Name:	ICF2102	**Lab Number:**	L2120445
Project Number:	ICF2102	**Report Date:**	05/05/21

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:	ICF2102	**Lab Number:**	L2120445
Project Number:	ICF2102	**Report Date:**	05/05/21

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.

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'.

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 at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

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.)

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 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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	ICF2102	**Lab Number:**	L2120445
Project Number:	ICF2102	**Report Date:**	05/05/21

Data Qualifiers

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	ICF2102	**Lab Number:**	L2120445
Project Number:	ICF2102	**Report Date:**	05/05/21

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.

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

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: 4/21/21

ALPHA Job #: L2120445

Client Information
Client: PWGC
Address: 630 Johnson Ave
Bohemia NY 11716
Phone: 631-589-6353
Fax:
Email: ryan.m@pwgroup.com

Project Information
Project Name: ICF2102
Project Location: 28-12 41st Ave Long Island City, NY
Project #
(Use Project name as Project #) ☒
Project Manager: Ryan Morley
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

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	Total Solids - SM 2540	TCL Volatiles - EPA 8260C	NYTCL Semivolatiles - EPA 8270D/8270D-SIM	Target Analyte List - Total Lead	NYTCL Semivolatiles - EPA 8270D-SIM (LVI)	DOH Vol Target Analyte List - 6020/Hg	Total Target Analyte List - 6020/Hg	Sample Specific Comments	Total Bottle
2120445-01	SB001_0-2	4/21/21	09:10	S	CJA	X	X	X	X					
-02	SB002_3-5	↓	10:20	↓	↓	X	X	X	X					
-03	SB003_0-2	↓	10:45	↓	↓	X	X	X	X					
-04	SB004_5-7	↓	11:50	↓	↓	X	X	X	X					
-05	GW001	↓	10:10	W	↓		X			X	X	X		
-06	GW002	↓	11:15	↓	↓		X			X	X	X		

Container Type
Preservative

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

Relinquished By:	Date/Time	Received By:	Date/Time
	4/21/21		4/21/21 1:51
	4/21/21 17:45		4/21/21 20:20
	4/21/21 23:50		4/21/21 23:50

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 & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Appendix B

Soil Boring Geologic Logs

GEI Consultants

EXPLORATION LOG

SOIL BORING SB-1

Boring Location	Center/East	**Client:**	28-12 41st Avenue LLC
Project Number:	2502602	**Project Name:**	Phase II Environmental Site Assessment
Logged By:	B. Fitchett	**Site Address:**	28-12 41st Avenue, Queens, New York
Date:	6/5/2024	**Contractor:**	AARCO Environmental Services
Drill Type:	6610DT	**Driller:**	Mike Martino
Groundwater Depth	24	**Drilling Method:**	Direct Push
Date of Groundwater Depth Reading	6/5/2025	**Total Depth (feet):**	25

Depth (feet)	Sample Identification	Lab Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS / Remarks	Sample Description
1–5	S1		60	30	0.0	2" CONCRETE SLAB 28" SM: SILTY SAND - Light brown fine-grained sand (75%), with silt (25%)
6–10	S2	SB-1 (5-7)	60	25	0.0	25" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%)
11–15	S3	SB-1 (14-15)	60	45	0.0	20" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%) 25" ML: SILT - Light brown silt (100%)
16–20	S4		60	45	0.0	45": ML: SILT - Light brown silt (100%)
21–25	S5		60	30	0.0	10": ML: SILT - Light brown silt (100%) 10" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%), moist 10" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%), wet

End of Boring - 25 feet.

GEI Consultants

EXPLORATION LOG

SOIL BORING SB-2

Boring Location	Northwest Corner	**Client:**	28-12 41st Avenue LLC
Project Number:	2502602	**Project Name:**	Phase II Environmental Site Assessment
Logged By:	B. Fitchett	**Site Address:**	28-12 41st Avenue, Queens, New York
Date:	6/5/2024	**Contractor:**	AARCO Environmental Services
Drill Type:	6610DT	**Driller:**	Mike Martino
Groundwater Depth	22	**Drilling Method:**	Direct Push
Date of Groundwater Depth Reading	6/5/2025	**Total Depth (feet):**	25

Depth (feet)	Sample Identification	Lab Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS / Remarks	Sample Description
1–5	S1		60	35	0.0	2" CONCRETE SLAB 25" SM: SILTY SAND - Dark brown fine-grained sand (75%), with silt (25%), asphalt fragments FILL 8" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%)
6–10	S2	SB-2 (5-7)	60	30	0.0	30" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%)
11–15	S3	SB-2 (14-15)	60	45	0.0	45" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%)
16–20	S4		60	45	0.0	20" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%) 25": ML: SILT - Light brown silt (100%)
21–25	S5	SB-2 (21-22)	60	30	0.0	20": ML: SILT - Light brown silt (100%) 10": ML: SILT - Light brown silt (100%), moist 20": ML: SILT - Light brown silt (100%), wet

End of Boring - 25 feet.

GEI Consultants

EXPLORATION LOG

SOIL BORING SB-3

Boring Location	Southwest Corner	**Client:**	28-12 41st Avenue LLC
Project Number:	2502602	**Project Name:**	Phase II Environmental Site Assessment
Logged By:	B. Fitchett	**Site Address:**	28-12 41st Avenue, Queens, New York
Date:	6/5/2024	**Contractor:**	AARCO Environmental Services
Drill Type:	6610DT	**Driller:**	Mike Martino
Groundwater Depth	21	**Drilling Method:**	Direct Push
Date of Groundwater Depth Reading	6/5/2025	**Total Depth (feet):**	25

Depth (feet)	Sample Identification	Lab Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS / Remarks	Sample Description
1–5	S1		60	12	0.0	2" CONCRETE SLAB 10" SM: SILTY SAND WITH GRAVEL - Dark brown fine-grained sand (60%), with silt (25%), gravel (15%, round up to 0.25") FILL
6–10	S2	SB-3 (5-7)	60	40	0.0	24" SM: SILTY SAND - Dark brown fine-grained sand (75%), with silt (25%) 16" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%)
11–15	S3	SB-3 (14-15)	60	30	0.0	30" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%)
16–20	S4		60	50	0.0	25" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%) 25": ML: SILT - Light brown silt (100%)
21–25	S5		60	55	0.0	4": ML: SILT - Light brown silt (100%) 4" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%) 4": ML: SILT - Light brown silt (100%), moist 43": ML: SILT - Light brown silt (100%), wet

End of Boring - 25 feet.

GEI Consultants

EXPLORATION LOG

SOIL BORING SB-4

Boring Location	Southeast Corner	**Client:**	28-12 41st Avenue LLC
Project Number:	2502602	**Project Name:**	Phase II Environmental Site Assessment
Logged By:	B. Fitchett	**Site Address:**	28-12 41st Avenue, Queens, New York
Date:	6/5/2024	**Contractor:**	AARCO Environmental Services
Drill Type:	6610DT	**Driller:**	Mike Martino
Groundwater Depth	23	**Drilling Method:**	Direct Push
Date of Groundwater Depth Reading	6/5/2025	**Total Depth (feet):**	25

Depth (feet)	Sample Identification	Lab Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS / Remarks	Sample Description
1–5	S1		60	15	0.0	4" CONCRETE SLAB 11" SM: SILTY SAND WITH GRAVEL - Dark brown fine-grained sand (70%), with silt (25%) FILL
6–10	S2	SB-4 (5-7)	60	40	0.0	11" SM: SILTY SAND - Dark brown fine-grained sand (75%), with silt (25%) 29" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%)
11–15	S3	SB-4 (14-15)	60	45	0.0	45" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%)
16–20	S4		60	45	0.0	35" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%) 10": ML: SILT - Light brown silt (100%)
21–25	S5	SB-4 (21-22)	60	35	0.0	12": ML: SILT - Light brown silt (100%) 5": ML: SILT - Light brown silt (100%), moist 18": ML: SILT - Light brown silt (100%), wet

End of Boring - 25 feet.

GEI Consultants

EXPLORATION LOG

SOIL BORING SB-5

Boring Location	West side	**Client:**	28-12 41st Avenue LLC
Project Number:	2502602	**Project Name:**	Phase II Environmental Site Assessment
Logged By:	B. Fitchett	**Site Address:**	28-12 41st Avenue, Queens, New York
Date:	6/5/2024	**Contractor:**	AARCO Environmental Services
Drill Type:	6610DT	**Driller:**	Mike Martino
Groundwater Depth	23	**Drilling Method:**	Direct Push
Date of Groundwater Depth Reading	6/6/2025	**Total Depth (feet):**	25

Depth (feet)	Sample Identification	Lab Sample Interval (feet)	Penetration (inches)	Recovery (inches)	PID Jar HS / Remarks	Sample Description
1–5	S1		60	20	0.0	4" CONCRETE SLAB 10" SM: SILTY SAND WITH GRAVEL - Dark brown fine-grained sand (70%), with silt (25%) FILL 6" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%)
6–10	S2	SB-5 (5-7)	60	40	0.0	40" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%)
11–15	S3	SB-5 (14-15)	60	50	0.0	20" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%) 30": ML: SILT - Light brown silt (100%)
16–20	S4		60	40	0.0	40" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%)
21–25	S5		60	40	0.0	10" SP: NARROWLY GRADED SAND - Light brown medium-grained sand (100%) 10": ML: SILT - Light brown silt (100%), moist 20": ML: SILT - Light brown silt (100%), wet

End of Boring - 25 feet.

Appendix C

Laboratory Data Deliverables for Soil Analytical Data

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ANALYTICAL REPORT

PREPARED FOR

Attn: William Fitchett
GEI Consultants Inc
1000 New York Avenue
Huntington Station, New York 11746

Generated 6/16/2025 9:44:59 AM

JOB DESCRIPTION

28-12 41st Avenue

JOB NUMBER

460-327695-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

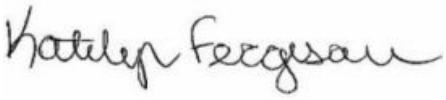
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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization



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Definitions/Glossary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
*	LCS or LCSD is outside acceptance limits.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
*	Surrogate is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-327695-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/5/2025 8:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples SB-1(5-7) (460-327695-1), SB-1(14-15) (460-327695-2), SB-2(5-7) (460-327695-3), SB-2(14-15) (460-327695-4), SB-2(21-22) (460-327695-5), SB-3(5-7) (460-327695-6), SB-3(14-15) (460-327695-7), SB-4(5-7) (460-327695-8), SB-4(14-15) (460-327695-9) and SB-4(21-22) (460-327695-10) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 6/10/2025 and analyzed on 6/13/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1043167 was outside the method criteria for the following analytes: Dichlorodifluoromethane (biased low) and Methyl acetate (biased high). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-1043167 recovered outside control limits for the following analytes: 1,2-Dibromo-3-Chloropropane (biased low) and Methyl acetate (biased high). These analytes were not detected in the associated samples; therefore, the data have been reported.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples SB-1(5-7) (460-327695-1), SB-1(14-15) (460-327695-2), SB-2(5-7) (460-327695-3), SB-2(14-15) (460-327695-4), SB-2(21-22) (460-327695-5), SB-3(5-7) (460-327695-6), SB-3(14-15) (460-327695-7), SB-4(5-7) (460-327695-8), SB-4(14-15) (460-327695-9) and SB-4(21-22) (460-327695-10) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 6/7/2025 and analyzed on 6/8/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1042246 was outside the method criteria for the following analyte(s): < 2,2'-oxybis[1-chloropropane], 2-Nitroaniline, 4,6-Dinitro-2-methylphenol and Benzaldehyde>. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample duplicate (LCSD) for preparation batch 460-1042128 and analytical batch 460-1042246 recovered outside control limits for the following analytes: < 4,6-Dinitro-2-methylphenol>. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Samples SB-1(5-7) (460-327695-1), SB-1(14-15) (460-327695-2), SB-2(5-7) (460-327695-3), SB-2(14-15) (460-327695-4), SB-2(21-22) (460-327695-5), SB-3(5-7) (460-327695-6), SB-3(14-15) (460-327695-7), SB-4(5-7) (460-327695-8), SB-4(14-15) (460-327695-9) and SB-4(21-22) (460-327695-10) were analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The samples were prepared on 6/7/2025 and analyzed on 6/8/2025 and 6/9/2025.

Method 8081B - Organochlorine Pesticides (GC)
Samples SB-1(5-7) (460-327695-1), SB-1(14-15) (460-327695-2), SB-2(5-7) (460-327695-3), SB-2(14-15) (460-327695-4), SB-2(21-22) (460-327695-5), SB-3(5-7) (460-327695-6), SB-3(14-15) (460-327695-7), SB-4(5-7) (460-327695-8), SB-4(14-15) (460-327695-9) and SB-4(21-22) (460-327695-10) were analyzed for Organochlorine Pesticides (GC). The samples were prepared on 6/7/2025 and analyzed on 6/9/2025.

Method 6020B - Metals (ICP/MS)
Samples SB-1(5-7) (460-327695-1), SB-1(14-15) (460-327695-2), SB-2(5-7) (460-327695-3), SB-2(14-15) (460-327695-4), SB-2(21-22) (460-327695-5), SB-3(5-7) (460-327695-6), SB-3(14-15) (460-327695-7), SB-4(5-7) (460-327695-8), SB-4(14-15) (460-327695-9) and SB-4(21-22) (460-327695-10) were analyzed for Metals (ICP/MS). The samples were prepared on 6/7/2025 and 6/13/2025 and analyzed on 6/8/2025, 6/9/2025 and 6/14/2025.

Method 7471B - Mercury (CVAA)
Samples SB-1(5-7) (460-327695-1), SB-1(14-15) (460-327695-2), SB-2(5-7) (460-327695-3), SB-2(14-15) (460-327695-4), SB-2(21-22) (460-327695-5), SB-3(5-7) (460-327695-6), SB-3(14-15) (460-327695-7), SB-4(5-7) (460-327695-8), SB-4(14-15) (460-327695-9) and SB-4(21-22) (460-327695-10) were analyzed for Mercury (CVAA). The samples were prepared on 6/7/2025 and 6/11/2025 and analyzed on 6/8/2025 and 6/11/2025.

Method Moisture - Percent Moisture
Samples SB-1(5-7) (460-327695-1), SB-1(14-15) (460-327695-2), SB-2(5-7) (460-327695-3), SB-2(14-15) (460-327695-4), SB-2(21-22) (460-327695-5), SB-3(5-7) (460-327695-6), SB-3(14-15) (460-327695-7), SB-4(5-7) (460-327695-8), SB-4(14-15) (460-327695-9) and SB-4(21-22) (460-327695-10) were analyzed for Percent Moisture. The samples were analyzed on 6/8/2025.

Detection Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Client Sample ID: SB-1(5-7) — Lab Sample ID: 460-327695-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	3770		15.9	4.4	mg/Kg	1	☼	6020B	Total/NA
Arsenic	0.74	J	0.80	0.082	mg/Kg	1	☼	6020B	Total/NA
Barium	19.9		1.6	0.12	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.20	J	0.32	0.018	mg/Kg	1	☼	6020B	Total/NA
Calcium	651		79.6	7.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	9.0		1.6	0.24	mg/Kg	1	☼	6020B	Total/NA
Cobalt	3.0		1.6	0.12	mg/Kg	1	☼	6020B	Total/NA
Copper	8.7		1.6	0.29	mg/Kg	1	☼	6020B	Total/NA
Iron	7720		47.8	6.1	mg/Kg	1	☼	6020B	Total/NA
Lead	2.6		0.48	0.16	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1810		79.6	8.1	mg/Kg	1	☼	6020B	Total/NA
Manganese	189		3.2	0.32	mg/Kg	1	☼	6020B	Total/NA
Nickel	7.7		1.6	0.14	mg/Kg	1	☼	6020B	Total/NA
Potassium	517		79.6	12.9	mg/Kg	1	☼	6020B	Total/NA
Sodium	76.6	J	79.6	36.4	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.042	J	0.32	0.033	mg/Kg	1	☼	6020B	Total/NA
Vanadium	10.4		1.6	0.16	mg/Kg	1	☼	6020B	Total/NA
Zinc	17.9		6.4	0.87	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: SB-1(14-15) — Lab Sample ID: 460-327695-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	7740		16.3	4.5	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.6		0.82	0.084	mg/Kg	1	☼	6020B	Total/NA
Barium	31.7		1.6	0.12	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.41		0.33	0.018	mg/Kg	1	☼	6020B	Total/NA
Calcium	1160		81.6	7.9	mg/Kg	1	☼	6020B	Total/NA
Chromium	15.2		1.6	0.24	mg/Kg	1	☼	6020B	Total/NA
Cobalt	6.6		1.6	0.12	mg/Kg	1	☼	6020B	Total/NA
Copper	16.0		1.6	0.30	mg/Kg	1	☼	6020B	Total/NA
Iron	15600		49.0	6.2	mg/Kg	1	☼	6020B	Total/NA
Lead	5.5		0.49	0.16	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2910		81.6	8.3	mg/Kg	1	☼	6020B	Total/NA
Manganese	378		3.3	0.33	mg/Kg	1	☼	6020B	Total/NA
Nickel	12.9		1.6	0.14	mg/Kg	1	☼	6020B	Total/NA
Potassium	1240		81.6	13.2	mg/Kg	1	☼	6020B	Total/NA
Sodium	91.8		81.6	37.3	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.10	J	0.33	0.033	mg/Kg	1	☼	6020B	Total/NA
Vanadium	23.2		1.6	0.17	mg/Kg	1	☼	6020B	Total/NA
Zinc	29.7		6.5	0.89	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: SB-2(5-7) — Lab Sample ID: 460-327695-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	4040		15.6	4.3	mg/Kg	1	☼	6020B	Total/NA
Arsenic	0.71	J	0.78	0.081	mg/Kg	1	☼	6020B	Total/NA
Barium	18.6		1.6	0.11	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.22	J	0.31	0.017	mg/Kg	1	☼	6020B	Total/NA
Calcium	669		78.2	7.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	8.1		1.6	0.23	mg/Kg	1	☼	6020B	Total/NA
Cobalt	2.6		1.6	0.12	mg/Kg	1	☼	6020B	Total/NA
Copper	8.4		1.6	0.29	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample ID: SB-2(5-7) (Continued)

Lab Sample ID: 460-327695-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	6960		46.9	6.0	mg/Kg	1	☼	6020B	Total/NA
Lead	2.8		0.47	0.16	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1750		78.2	8.0	mg/Kg	1	☼	6020B	Total/NA
Manganese	157		3.1	0.32	mg/Kg	1	☼	6020B	Total/NA
Nickel	6.5		1.6	0.14	mg/Kg	1	☼	6020B	Total/NA
Potassium	556		78.2	12.7	mg/Kg	1	☼	6020B	Total/NA
Sodium	69.8	J	78.2	35.7	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.043	J	0.31	0.032	mg/Kg	1	☼	6020B	Total/NA
Vanadium	8.9		1.6	0.16	mg/Kg	1	☼	6020B	Total/NA
Zinc	14.6		6.3	0.85	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.0089	J	0.016	0.0075	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-2(14-15)

Lab Sample ID: 460-327695-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	3690		16.1	4.4	mg/Kg	1	☼	6020B	Total/NA
Arsenic	0.71	J	0.81	0.083	mg/Kg	1	☼	6020B	Total/NA
Barium	20.0		1.6	0.12	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.19	J	0.32	0.018	mg/Kg	1	☼	6020B	Total/NA
Calcium	708		80.6	7.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	7.8		1.6	0.24	mg/Kg	1	☼	6020B	Total/NA
Cobalt	2.9		1.6	0.12	mg/Kg	1	☼	6020B	Total/NA
Copper	6.8		1.6	0.30	mg/Kg	1	☼	6020B	Total/NA
Iron	6920		48.4	6.2	mg/Kg	1	☼	6020B	Total/NA
Lead	2.1		0.48	0.16	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1610		80.6	8.2	mg/Kg	1	☼	6020B	Total/NA
Manganese	197		3.2	0.32	mg/Kg	1	☼	6020B	Total/NA
Nickel	6.2		1.6	0.14	mg/Kg	1	☼	6020B	Total/NA
Potassium	499		80.6	13.1	mg/Kg	1	☼	6020B	Total/NA
Sodium	82.5		80.6	36.8	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.041	J	0.32	0.033	mg/Kg	1	☼	6020B	Total/NA
Vanadium	9.9		1.6	0.17	mg/Kg	1	☼	6020B	Total/NA
Zinc	14.5		6.4	0.88	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: SB-2(21-22)

Lab Sample ID: 460-327695-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0018	J	0.0030	0.00022	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.023		0.0036	0.0035	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.00023	J	0.00061	0.00019	mg/Kg	1	☼	8260D	Total/NA
Benzo[a]pyrene	0.011	J	0.034	0.0092	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.016	J	0.034	0.0089	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.026	J	0.34	0.012	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.024	J	0.034	0.013	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.015	J	0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.022	J	0.34	0.0086	mg/Kg	1	☼	8270E	Total/NA
Aluminum	6010		16.5	4.5	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.2		0.82	0.085	mg/Kg	1	☼	6020B	Total/NA
Barium	31.9		1.6	0.12	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.30	J	0.33	0.018	mg/Kg	1	☼	6020B	Total/NA
Calcium	3570		82.3	8.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	15.9		1.6	0.24	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-2(21-22) (Continued) — Lab Sample ID: 460-327695-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	5.2		1.6	0.12	mg/Kg	1	☼	6020B	Total/NA
Copper	13.9		1.6	0.30	mg/Kg	1	☼	6020B	Total/NA
Iron	12400		49.4	6.3	mg/Kg	1	☼	6020B	Total/NA
Lead	43.0		0.49	0.16	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3400		82.3	8.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	270		3.3	0.33	mg/Kg	1	☼	6020B	Total/NA
Nickel	12.8		1.6	0.15	mg/Kg	1	☼	6020B	Total/NA
Potassium	1110		82.3	13.3	mg/Kg	1	☼	6020B	Total/NA
Sodium	204		82.3	37.6	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.097	J	0.33	0.034	mg/Kg	1	☼	6020B	Total/NA
Vanadium	20.3		1.6	0.17	mg/Kg	1	☼	6020B	Total/NA
Zinc	34.0		6.6	0.90	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: SB-3(5-7) — Lab Sample ID: 460-327695-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.0016		0.00054	0.00017	mg/Kg	1	☼	8260D	Total/NA
Benzo[a]pyrene	0.010	J	0.038	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.013	J	0.038	0.0098	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.020	J	0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.026	J	0.038	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.018	J	0.38	0.0094	mg/Kg	1	☼	8270E	Total/NA
Aluminum	10100		18.2	5.0	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.15	J	0.91	0.13	mg/Kg	1	☼	6020B	Total/NA
Arsenic	2.2		0.91	0.094	mg/Kg	1	☼	6020B	Total/NA
Barium	29.9		1.8	0.13	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.36		0.36	0.020	mg/Kg	1	☼	6020B	Total/NA
Calcium	864		91.1	8.9	mg/Kg	1	☼	6020B	Total/NA
Chromium	17.4		1.8	0.27	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.2		1.8	0.13	mg/Kg	1	☼	6020B	Total/NA
Copper	16.5		1.8	0.34	mg/Kg	1	☼	6020B	Total/NA
Iron	13300		54.7	7.0	mg/Kg	1	☼	6020B	Total/NA
Lead	67.1		0.55	0.18	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2150		91.1	9.3	mg/Kg	1	☼	6020B	Total/NA
Manganese	339		3.6	0.37	mg/Kg	1	☼	6020B	Total/NA
Nickel	11.1		1.8	0.16	mg/Kg	1	☼	6020B	Total/NA
Potassium	662		91.1	14.8	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.17	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Sodium	60.7	J	91.1	41.6	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.086	J	0.36	0.037	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.1		1.8	0.19	mg/Kg	1	☼	6020B	Total/NA
Zinc	61.6		7.3	0.99	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.029		0.019	0.0089	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-3(14-15) — Lab Sample ID: 460-327695-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	4340		15.7	4.3	mg/Kg	1	☼	6020B	Total/NA
Arsenic	0.84		0.79	0.081	mg/Kg	1	☼	6020B	Total/NA
Barium	27.8		1.6	0.11	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.18	J	0.31	0.017	mg/Kg	1	☼	6020B	Total/NA
Calcium	617		78.5	7.6	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-3(14-15) (Continued)

Lab Sample ID: 460-327695-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	10.8		1.6	0.23	mg/Kg	1	☼	6020B	Total/NA
Cobalt	3.4		1.6	0.12	mg/Kg	1	☼	6020B	Total/NA
Copper	11.9		1.6	0.29	mg/Kg	1	☼	6020B	Total/NA
Iron	8750		47.1	6.0	mg/Kg	1	☼	6020B	Total/NA
Lead	3.3		0.47	0.16	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2010		78.5	8.0	mg/Kg	1	☼	6020B	Total/NA
Manganese	137		3.1	0.32	mg/Kg	1	☼	6020B	Total/NA
Nickel	7.1		1.6	0.14	mg/Kg	1	☼	6020B	Total/NA
Potassium	618		78.5	12.7	mg/Kg	1	☼	6020B	Total/NA
Sodium	61.4	J	78.5	35.9	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.065	J	0.31	0.032	mg/Kg	1	☼	6020B	Total/NA
Vanadium	12.7		1.6	0.16	mg/Kg	1	☼	6020B	Total/NA
Zinc	26.5		6.3	0.86	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: SB-4(5-7)

Lab Sample ID: 460-327695-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.0017		0.00056	0.00017	mg/Kg	1	☼	8260D	Total/NA
2-Methylnaphthalene	0.019	J	0.37	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.063	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.012	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.25	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	1.0		0.037	0.028	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.86		0.037	0.0099	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.4		0.037	0.0096	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.59		0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.43		0.037	0.0073	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.10	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.99		0.37	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.16		0.037	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.048	J	0.37	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	2.3		0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.058	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.68		0.037	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.061	J	0.37	0.0064	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	1.0		0.37	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	1.5		0.37	0.0092	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDT	0.0071	J	0.0075	0.0014	mg/Kg	1	☼	8081B	Total/NA
Aluminum	15500		18.1	5.0	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.42	J	0.91	0.13	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.7		0.91	0.093	mg/Kg	1	☼	6020B	Total/NA
Barium	59.4		1.8	0.13	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.51		0.36	0.020	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.28	J	0.91	0.10	mg/Kg	1	☼	6020B	Total/NA
Calcium	2510		90.7	8.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	27.3		1.8	0.27	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.5		1.8	0.13	mg/Kg	1	☼	6020B	Total/NA
Copper	19.8		1.8	0.33	mg/Kg	1	☼	6020B	Total/NA
Iron	21800		54.4	6.9	mg/Kg	1	☼	6020B	Total/NA
Lead	85.0		0.54	0.18	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2500		90.7	9.2	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-4(5-7) (Continued) — Lab Sample ID: 460-327695-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	492		3.6	0.37	mg/Kg	1	☼	6020B	Total/NA
Nickel	15.5		1.8	0.16	mg/Kg	1	☼	6020B	Total/NA
Potassium	925		90.7	14.7	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.43	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Sodium	134		90.7	41.4	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.14	J	0.36	0.037	mg/Kg	1	☼	6020B	Total/NA
Vanadium	33.0		1.8	0.19	mg/Kg	1	☼	6020B	Total/NA
Zinc	76.5		7.3	0.99	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.057		0.018	0.0086	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-4(14-15) — Lab Sample ID: 460-327695-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	3090		16.2	4.4	mg/Kg	1	☼	6020B	Total/NA
Arsenic	0.80	J	0.81	0.083	mg/Kg	1	☼	6020B	Total/NA
Barium	14.9		1.6	0.12	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.14	J	0.32	0.018	mg/Kg	1	☼	6020B	Total/NA
Calcium	770		81.0	7.9	mg/Kg	1	☼	6020B	Total/NA
Chromium	8.1		1.6	0.24	mg/Kg	1	☼	6020B	Total/NA
Cobalt	3.8		1.6	0.12	mg/Kg	1	☼	6020B	Total/NA
Copper	8.1		1.6	0.30	mg/Kg	1	☼	6020B	Total/NA
Iron	7300		48.6	6.2	mg/Kg	1	☼	6020B	Total/NA
Lead	2.1		0.49	0.16	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1650		81.0	8.3	mg/Kg	1	☼	6020B	Total/NA
Manganese	169		3.2	0.33	mg/Kg	1	☼	6020B	Total/NA
Nickel	6.8		1.6	0.14	mg/Kg	1	☼	6020B	Total/NA
Potassium	577		81.0	13.1	mg/Kg	1	☼	6020B	Total/NA
Sodium	100		81.0	37.0	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.046	J	0.32	0.033	mg/Kg	1	☼	6020B	Total/NA
Vanadium	10.1		1.6	0.17	mg/Kg	1	☼	6020B	Total/NA
Zinc	15.7		6.5	0.88	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: SB-4(21-22) — Lab Sample ID: 460-327695-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.013	J	0.036	0.0093	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.020	J	0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.023	J	0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.016	J	0.36	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.015	J	0.36	0.0089	mg/Kg	1	☼	8270E	Total/NA
Aluminum	6280		16.6	4.6	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.8		0.83	0.086	mg/Kg	1	☼	6020B	Total/NA
Barium	34.3		1.7	0.12	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.26	J	0.33	0.018	mg/Kg	1	☼	6020B	Total/NA
Calcium	11400		83.0	8.1	mg/Kg	1	☼	6020B	Total/NA
Chromium	18.9		1.7	0.25	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.7		1.7	0.12	mg/Kg	1	☼	6020B	Total/NA
Copper	14.5		1.7	0.31	mg/Kg	1	☼	6020B	Total/NA
Iron	12900		49.8	6.4	mg/Kg	1	☼	6020B	Total/NA
Lead	9.0		0.50	0.17	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3140		83.0	8.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	204		3.3	0.33	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-4(21-22) (Continued)

Lab Sample ID: 460-327695-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	11.3		1.7	0.15	mg/Kg	1	☼	6020B	Total/NA
Potassium	1100		83.0	13.4	mg/Kg	1	☼	6020B	Total/NA
Sodium	127		83.0	37.9	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.090	J	0.33	0.034	mg/Kg	1	☼	6020B	Total/NA
Vanadium	20.2		1.7	0.17	mg/Kg	1	☼	6020B	Total/NA
Zinc	35.2		6.6	0.90	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Client Sample ID: SB-1(5-7)
Date Collected: 06/05/25 08:45
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-1
Matrix: Solid
Percent Solids: 98.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00059	U	0.00059	0.00014	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
1,1,2,2-Tetrachloroethane	0.00059	U	0.00059	0.00031	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00059	U	0.00059	0.00018	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
1,1,2-Trichloroethane	0.00059	U	0.00059	0.00036	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
1,1-Dichloroethane	0.00059	U	0.00059	0.00035	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
1,1-Dichloroethene	0.00059	U	0.00059	0.00013	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
1,2,3-Trichlorobenzene	0.00059	U	0.00059	0.00044	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
1,2,4-Trichlorobenzene	0.00059	U	0.00059	0.00021	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
1,2-Dibromo-3-Chloropropane	0.00059	U *	0.00059	0.00027	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
1,2-Dichlorobenzene	0.00059	U	0.00059	0.00021	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
1,2-Dichloroethane	0.00059	U	0.00059	0.00017	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
1,2-Dichloropropane	0.00059	U	0.00059	0.00025	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
1,3-Dichlorobenzene	0.00059	U	0.00059	0.00022	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
1,4-Dichlorobenzene	0.00059	U	0.00059	0.00031	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
2-Butanone (MEK)	0.0030	U	0.0030	0.00022	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
2-Hexanone	0.0030	U	0.0030	0.0010	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
4-Methyl-2-pentanone (MIBK)	0.0030	U	0.0030	0.00092	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Acetone	0.0035	U	0.0035	0.0034	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Benzene	0.00059	U	0.00059	0.00034	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Bromoform	0.00059	U	0.00059	0.00025	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Bromomethane	0.0012	U	0.0012	0.00059	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Carbon disulfide	0.00059	U	0.00059	0.00016	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Carbon tetrachloride	0.00059	U	0.00059	0.00023	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Chlorobenzene	0.00059	U	0.00059	0.00030	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Chlorobromomethane	0.00059	U	0.00059	0.00035	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Chlorodibromomethane	0.00059	U	0.00059	0.00032	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Chloroethane	0.00059	U	0.00059	0.00031	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Chloroform	0.00059	U	0.00059	0.00057	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Chloromethane	0.00059	U	0.00059	0.00026	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
cis-1,2-Dichloroethene	0.00059	U	0.00059	0.00021	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
cis-1,3-Dichloropropene	0.00059	U	0.00059	0.00016	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Cyclohexane	0.00059	U	0.00059	0.00013	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Dichlorobromomethane	0.00059	U	0.00059	0.00015	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Dichlorodifluoromethane	0.00059	U	0.00059	0.00020	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Ethylbenzene	0.00059	U	0.00059	0.00028	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Ethylene Dibromide	0.00059	U	0.00059	0.00030	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Isopropylbenzene	0.00059	U	0.00059	0.00017	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Methyl acetate	0.0030	U *	0.0030	0.0025	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Methyl tert-butyl ether	0.00059	U	0.00059	0.00030	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Methylcyclohexane	0.00059	U	0.00059	0.00029	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Methylene Chloride	0.0012	U	0.0012	0.00068	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
m-Xylene & p-Xylene	0.00059	U	0.00059	0.00025	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
o-Xylene	0.00059	U	0.00059	0.00027	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Styrene	0.00059	U	0.00059	0.00016	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Tetrachloroethene	0.00059	U	0.00059	0.00018	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Toluene	0.00059	U	0.00059	0.00014	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
trans-1,2-Dichloroethene	0.00059	U	0.00059	0.00015	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
trans-1,3-Dichloropropene	0.00059	U	0.00059	0.00016	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Trichloroethene	0.00059	U	0.00059	0.00019	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Client Sample ID: SB-1(5-7)
Date Collected: 06/05/25 08:45
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-1
Matrix: Solid
Percent Solids: 98.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.00059	U	0.00059	0.00024	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1
Vinyl chloride	0.00059	U	0.00059	0.00032	mg/Kg	☼	06/10/25 07:38	06/13/25 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*65 - 138*	*06/10/25 07:38*	*06/13/25 01:09*	*1*
4-Bromofluorobenzene	*108*		*71 - 128*	*06/10/25 07:38*	*06/13/25 01:09*	*1*
Dibromofluoromethane (Surr)	*114*		*50 - 150*	*06/10/25 07:38*	*06/13/25 01:09*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*06/10/25 07:38*	*06/13/25 01:09*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
1,2,4,5-Tetrachlorobenzene	0.34	U	0.34	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
1,4-Dioxane	0.034	U	0.034	0.029	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
2,2'-oxybis[1-chloropropane]	0.34	U	0.34	0.020	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
2,3,4,6-Tetrachlorophenol	0.34	U	0.34	0.023	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
2,4,5-Trichlorophenol	0.34	U	0.34	0.034	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.043	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
2,4-Dimethylphenol	0.34	U	0.34	0.040	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
2,4-Dinitrophenol	0.27	U	0.27	0.17	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
2,4-Dinitrotoluene	0.068	U	0.068	0.036	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
2,6-Dinitrotoluene	0.068	U	0.068	0.024	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
2-Chloronaphthalene	0.34	U	0.34	0.043	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
2-Chlorophenol	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
2-Methylnaphthalene	0.34	U	0.34	0.0094	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
2-Nitroaniline	0.34	U	0.34	0.026	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
2-Nitrophenol	0.34	U	0.34	0.034	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.051	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
3-Nitroaniline	0.34	U	0.34	0.080	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
4,6-Dinitro-2-methylphenol	0.27	U *	0.27	0.14	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
4-Bromophenyl phenyl ether	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
4-Chloro-3-methylphenol	0.34	U	0.34	0.019	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
4-Chloroaniline	0.34	U	0.34	0.060	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
4-Chlorophenyl phenyl ether	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
4-Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
4-Nitroaniline	0.34	U	0.34	0.085	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
4-Nitrophenol	0.68	U	0.68	0.055	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Acenaphthene	0.34	U	0.34	0.0096	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Acenaphthylene	0.34	U	0.34	0.0096	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Acetophenone	0.34	U	0.34	0.017	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Anthracene	0.34	U	0.34	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Atrazine	0.14	U	0.14	0.020	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Benzaldehyde	0.34	U	0.34	0.056	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Benzo[a]anthracene	0.034	U	0.034	0.025	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Benzo[a]pyrene	0.034	U	0.034	0.0090	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Benzo[b]fluoranthene	0.034	U	0.034	0.0087	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Benzo[g,h,i]perylene	0.34	U	0.34	0.0099	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Benzo[k]fluoranthene	0.034	U	0.034	0.0066	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1

Client Sample ID: SB-1(5-7)
Date Collected: 06/05/25 08:45
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-1
Matrix: Solid
Percent Solids: 98.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	0.34	U	0.34	0.062	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Bis(2-chloroethyl)ether	0.034	U	0.034	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Bis(2-ethylhexyl) phthalate	0.34	U	0.34	0.018	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Butyl benzyl phthalate	0.34	U	0.34	0.016	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Caprolactam	0.34	U	0.34	0.052	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Carbazole	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Chrysene	0.34	U	0.34	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Dibenz(a,h)anthracene	0.034	U	0.034	0.015	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Dibenzofuran	0.34	U	0.34	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Diethyl phthalate	0.34	U	0.34	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Dimethyl phthalate	0.34	U	0.34	0.076	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Di-n-butyl phthalate	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Di-n-octyl phthalate	0.34	U	0.34	0.018	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Fluoranthene	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Fluorene	0.34	U	0.34	0.0098	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Hexachlorobutadiene	0.068	U	0.068	0.0072	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Hexachlorocyclopentadiene	0.34	U	0.34	0.030	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Hexachloroethane	0.034	U	0.034	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Indeno[1,2,3-cd]pyrene	0.034	U	0.034	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Isophorone	0.14	U	0.14	0.097	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Naphthalene	0.34	U	0.34	0.0058	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Nitrobenzene	0.034	U	0.034	0.019	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
N-Nitrosodi-n-propylamine	0.034	U	0.034	0.024	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
N-Nitrosodiphenylamine	0.34	U	0.34	0.028	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Pentachlorophenol	0.27	U	0.27	0.069	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Phenanthrene	0.34	U	0.34	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Phenol	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1
Pyrene	0.34	U	0.34	0.0084	mg/Kg	☼	06/07/25 09:51	06/08/25 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*18 - 137*	*06/07/25 09:51*	*06/08/25 15:58*	*1*
2-Fluorobiphenyl	*59*		*33 - 117*	*06/07/25 09:51*	*06/08/25 15:58*	*1*
2-Fluorophenol (Surr)	*62*		*24 - 120*	*06/07/25 09:51*	*06/08/25 15:58*	*1*
Nitrobenzene-d5 (Surr)	*54*		*27 - 120*	*06/07/25 09:51*	*06/08/25 15:58*	*1*
Phenol-d5 (Surr)	*59*		*28 - 118*	*06/07/25 09:51*	*06/08/25 15:58*	*1*
Terphenyl-d14 (Surr)	*65*		*33 - 124*	*06/07/25 09:51*	*06/08/25 15:58*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0068	U	0.0068	0.0012	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1
4,4'-DDE	0.0068	U	0.0068	0.00080	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1
4,4'-DDT	0.0068	U	0.0068	0.0013	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1
Aldrin	0.0068	U	0.0068	0.0010	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1
alpha-BHC	0.0020	U	0.0020	0.00069	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1
beta-BHC	0.0020	U	0.0020	0.00076	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1
Chlordane (technical)	0.068	U	0.068	0.017	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1
delta-BHC	0.0020	U	0.0020	0.00042	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1
Dieldrin	0.0020	U	0.0020	0.00089	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1
Endosulfan I	0.0068	U	0.0068	0.0010	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1

Client Sample ID: SB-1(5-7)
Date Collected: 06/05/25 08:45
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-1
Matrix: Solid
Percent Solids: 98.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0068	U	0.0068	0.0018	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1
Endosulfan sulfate	0.0068	U	0.0068	0.00086	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1
Endrin	0.0068	U	0.0068	0.00098	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1
Endrin aldehyde	0.0068	U	0.0068	0.0016	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1
Endrin ketone	0.0068	U	0.0068	0.0013	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00063	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1
Heptachlor	0.0068	U	0.0068	0.00080	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1
Heptachlor epoxide	0.0068	U	0.0068	0.0010	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1
Methoxychlor	0.0068	U	0.0068	0.0016	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1
Toxaphene	0.068	U	0.068	0.025	mg/Kg	☼	06/07/25 18:43	06/09/25 08:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*10 - 150*	*06/07/25 18:43*	*06/09/25 08:43*	*1*
DCB Decachlorobiphenyl	*85*		*10 - 150*	*06/07/25 18:43*	*06/09/25 08:43*	*1*
Tetrachloro-m-xylene	*58*		*14 - 150*	*06/07/25 18:43*	*06/09/25 08:43*	*1*
Tetrachloro-m-xylene	*60*		*14 - 150*	*06/07/25 18:43*	*06/09/25 08:43*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:24	1
Aroclor 1221	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:24	1
Aroclor 1232	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:24	1
Aroclor 1242	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:24	1
Aroclor 1248	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:24	1
Aroclor 1254	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:24	1
Aroclor 1260	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:24	1
Aroclor-1262	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:24	1
Aroclor 1268	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:24	1
Polychlorinated biphenyls, Total	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*10 - 150*	*06/07/25 18:41*	*06/08/25 12:24*	*1*
DCB Decachlorobiphenyl	*83*		*10 - 150*	*06/07/25 18:41*	*06/08/25 12:24*	*1*
Tetrachloro-m-xylene	*49*		*10 - 150*	*06/07/25 18:41*	*06/08/25 12:24*	*1*
Tetrachloro-m-xylene	*56*		*10 - 150*	*06/07/25 18:41*	*06/08/25 12:24*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3770**		15.9	4.4	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Antimony	0.80	U	0.80	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Arsenic	**0.74**	**J**	0.80	0.082	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Barium	**19.9**		1.6	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Beryllium	**0.20**	**J**	0.32	0.018	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Cadmium	0.80	U	0.80	0.090	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Calcium	**651**		79.6	7.7	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Chromium	**9.0**		1.6	0.24	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Cobalt	**3.0**		1.6	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Copper	**8.7**		1.6	0.29	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Iron	**7720**		47.8	6.1	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Lead	**2.6**		0.48	0.16	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1

Client Sample ID: SB-1(5-7)

Date Collected: 06/05/25 08:45
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-1

Matrix: Solid
Percent Solids: 98.2

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**1810**		79.6	8.1	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Manganese	**189**		3.2	0.32	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Nickel	**7.7**		1.6	0.14	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Potassium	**517**		79.6	12.9	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Selenium	0.99	U	0.99	0.10	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Silver	0.32	U	0.32	0.071	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Sodium	**76.6**	**J**	79.6	36.4	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Thallium	**0.042**	**J**	0.32	0.033	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Vanadium	**10.4**		1.6	0.16	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1
Zinc	**17.9**		6.4	0.87	mg/Kg	☼	06/13/25 16:25	06/14/25 02:59	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	U	0.016	0.0078	mg/Kg	☼	06/11/25 01:10	06/11/25 06:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**1.8**		1.0	1.0	%			06/08/25 14:58	1
Percent Solids (EPA Moisture)	**98.2**		1.0	1.0	%			06/08/25 14:58	1

Client Sample ID: SB-1(14-15)

Date Collected: 06/05/25 09:00
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-2

Matrix: Solid
Percent Solids: 95.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00061	U	0.00061	0.00014	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
1,1,2,2-Tetrachloroethane	0.00061	U	0.00061	0.00032	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00061	U	0.00061	0.00018	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
1,1,2-Trichloroethane	0.00061	U	0.00061	0.00037	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
1,1-Dichloroethane	0.00061	U	0.00061	0.00036	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
1,1-Dichloroethene	0.00061	U	0.00061	0.00014	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
1,2,3-Trichlorobenzene	0.00061	U	0.00061	0.00045	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
1,2,4-Trichlorobenzene	0.00061	U	0.00061	0.00022	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
1,2-Dibromo-3-Chloropropane	0.00061	U *	0.00061	0.00028	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
1,2-Dichlorobenzene	0.00061	U	0.00061	0.00022	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
1,2-Dichloroethane	0.00061	U	0.00061	0.00018	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
1,2-Dichloropropane	0.00061	U	0.00061	0.00026	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
1,3-Dichlorobenzene	0.00061	U	0.00061	0.00022	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
1,4-Dichlorobenzene	0.00061	U	0.00061	0.00032	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
2-Butanone (MEK)	0.0030	U	0.0030	0.00022	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
2-Hexanone	0.0030	U	0.0030	0.0010	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
4-Methyl-2-pentanone (MIBK)	0.0030	U	0.0030	0.00095	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Acetone	0.0037	U	0.0037	0.0035	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Benzene	0.00061	U	0.00061	0.00035	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Bromoform	0.00061	U	0.00061	0.00026	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Bromomethane	0.0012	U	0.0012	0.00061	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Carbon disulfide	0.00061	U	0.00061	0.00016	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Carbon tetrachloride	0.00061	U	0.00061	0.00024	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Chlorobenzene	0.00061	U	0.00061	0.00031	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1

Client Sample ID: SB-1(14-15)
Date Collected: 06/05/25 09:00
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-2
Matrix: Solid
Percent Solids: 95.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.00061	U	0.00061	0.00036	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Chlorodibromomethane	0.00061	U	0.00061	0.00033	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Chloroethane	0.00061	U	0.00061	0.00032	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Chloroform	0.00061	U	0.00061	0.00059	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Chloromethane	0.00061	U	0.00061	0.00027	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
cis-1,2-Dichloroethene	0.00061	U	0.00061	0.00022	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
cis-1,3-Dichloropropene	0.00061	U	0.00061	0.00017	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Cyclohexane	0.00061	U	0.00061	0.00013	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Dichlorobromomethane	0.00061	U	0.00061	0.00016	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Dichlorodifluoromethane	0.00061	U	0.00061	0.00021	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Ethylbenzene	0.00061	U	0.00061	0.00029	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Ethylene Dibromide	0.00061	U	0.00061	0.00031	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Isopropylbenzene	0.00061	U	0.00061	0.00017	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Methyl acetate	0.0030	U *	0.0030	0.0026	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Methyl tert-butyl ether	0.00061	U	0.00061	0.00031	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Methylcyclohexane	0.00061	U	0.00061	0.00030	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Methylene Chloride	0.0012	U	0.0012	0.00070	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
m-Xylene & p-Xylene	0.00061	U	0.00061	0.00026	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
o-Xylene	0.00061	U	0.00061	0.00028	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Styrene	0.00061	U	0.00061	0.00017	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Tetrachloroethene	0.00061	U	0.00061	0.00019	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Toluene	0.00061	U	0.00061	0.00014	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
trans-1,2-Dichloroethene	0.00061	U	0.00061	0.00015	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
trans-1,3-Dichloropropene	0.00061	U	0.00061	0.00016	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Trichloroethene	0.00061	U	0.00061	0.00020	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Trichlorofluoromethane	0.00061	U	0.00061	0.00025	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1
Vinyl chloride	0.00061	U	0.00061	0.00033	mg/Kg	☼	06/10/25 07:38	06/13/25 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*65 - 138*	*06/10/25 07:38*	*06/13/25 01:33*	*1*
4-Bromofluorobenzene	*115*		*71 - 128*	*06/10/25 07:38*	*06/13/25 01:33*	*1*
Dibromofluoromethane (Surr)	*126*		*50 - 150*	*06/10/25 07:38*	*06/13/25 01:33*	*1*
Toluene-d8 (Surr)	*104*		*71 - 126*	*06/10/25 07:38*	*06/13/25 01:33*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
1,4-Dioxane	0.035	U	0.035	0.030	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.021	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.035	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
2,4-Dimethylphenol	0.35	U	0.35	0.041	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
2,4-Dinitrotoluene	0.070	U	0.070	0.037	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
2,6-Dinitrotoluene	0.070	U	0.070	0.025	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
2-Chloronaphthalene	0.35	U	0.35	0.045	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
2-Chlorophenol	0.35	U	0.35	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Client Sample ID: SB-1(14-15)
Date Collected: 06/05/25 09:00
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-2
Matrix: Solid
Percent Solids: 95.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.35	U	0.35	0.0097	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
2-Nitroaniline	0.35	U	0.35	0.026	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.052	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
3-Nitroaniline	0.35	U	0.35	0.082	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
4,6-Dinitro-2-methylphenol	0.28	U *	0.28	0.14	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.019	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
4-Chloroaniline	0.35	U	0.35	0.062	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
4-Nitroaniline	0.35	U	0.35	0.088	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
4-Nitrophenol	0.70	U	0.70	0.057	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Acenaphthene	0.35	U	0.35	0.0099	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Acenaphthylene	0.35	U	0.35	0.0099	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Anthracene	0.35	U	0.35	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Atrazine	0.14	U	0.14	0.020	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Benzaldehyde	0.35	U	0.35	0.057	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Benzo[a]anthracene	0.035	U	0.035	0.026	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Benzo[a]pyrene	0.035	U	0.035	0.0092	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Benzo[b]fluoranthene	0.035	U	0.035	0.0090	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Benzo[g,h,i]perylene	0.35	U	0.35	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Benzo[k]fluoranthene	0.035	U	0.035	0.0068	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.064	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Bis(2-ethylhexyl) phthalate	0.35	U	0.35	0.018	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Butyl benzyl phthalate	0.35	U	0.35	0.016	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Caprolactam	0.35	U	0.35	0.054	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Carbazole	0.35	U	0.35	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Chrysene	0.35	U	0.35	0.015	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Dibenzofuran	0.35	U	0.35	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Diethyl phthalate	0.35	U	0.35	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Dimethyl phthalate	0.35	U	0.35	0.079	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Di-n-octyl phthalate	0.35	U	0.35	0.018	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Fluoranthene	0.35	U	0.35	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Fluorene	0.35	U	0.35	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Hexachlorobenzene	0.035	U	0.035	0.016	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Hexachlorobutadiene	0.070	U	0.070	0.0074	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.030	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Indeno[1,2,3-cd]pyrene	0.035	U	0.035	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Naphthalene	0.35	U	0.35	0.0060	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Nitrobenzene	0.035	U	0.035	0.019	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.025	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1

Client Sample ID: SB-1(14-15)
Date Collected: 06/05/25 09:00
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-2
Matrix: Solid
Percent Solids: 95.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Pentachlorophenol	0.28	U	0.28	0.071	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Phenanthrene	0.35	U	0.35	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1
Pyrene	0.35	U	0.35	0.0086	mg/Kg	☼	06/07/25 09:51	06/08/25 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*18 - 137*	*06/07/25 09:51*	*06/08/25 16:15*	*1*
2-Fluorobiphenyl	*64*		*33 - 117*	*06/07/25 09:51*	*06/08/25 16:15*	*1*
2-Fluorophenol (Surr)	*68*		*24 - 120*	*06/07/25 09:51*	*06/08/25 16:15*	*1*
Nitrobenzene-d5 (Surr)	*59*		*27 - 120*	*06/07/25 09:51*	*06/08/25 16:15*	*1*
Phenol-d5 (Surr)	*63*		*28 - 118*	*06/07/25 09:51*	*06/08/25 16:15*	*1*
Terphenyl-d14 (Surr)	*71*		*33 - 124*	*06/07/25 09:51*	*06/08/25 16:15*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
4,4'-DDE	0.0071	U	0.0071	0.00083	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
beta-BHC	0.0021	U	0.0021	0.00079	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
Dieldrin	0.0021	U	0.0021	0.00092	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
Endosulfan sulfate	0.0071	U	0.0071	0.00088	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00065	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
Heptachlor	0.0071	U	0.0071	0.00083	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1
Toxaphene	0.071	U	0.071	0.025	mg/Kg	☼	06/07/25 18:43	06/09/25 09:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*10 - 150*	*06/07/25 18:43*	*06/09/25 09:22*	*1*
DCB Decachlorobiphenyl	*95*		*10 - 150*	*06/07/25 18:43*	*06/09/25 09:22*	*1*
Tetrachloro-m-xylene	*60*		*14 - 150*	*06/07/25 18:43*	*06/09/25 09:22*	*1*
Tetrachloro-m-xylene	*62*		*14 - 150*	*06/07/25 18:43*	*06/09/25 09:22*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 12:41	1
Aroclor 1221	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 12:41	1
Aroclor 1232	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 12:41	1
Aroclor 1242	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 12:41	1
Aroclor 1248	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 12:41	1

Client Sample ID: SB-1(14-15)
Date Collected: 06/05/25 09:00
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-2
Matrix: Solid
Percent Solids: 95.0

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1254	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 12:41	1
Aroclor 1260	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 12:41	1
Aroclor-1262	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 12:41	1
Aroclor 1268	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 12:41	1
Polychlorinated biphenyls, Total	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*10 - 150*	*06/07/25 18:41*	*06/08/25 12:41*	*1*
DCB Decachlorobiphenyl	*108*		*10 - 150*	*06/07/25 18:41*	*06/08/25 12:41*	*1*
Tetrachloro-m-xylene	*70*		*10 - 150*	*06/07/25 18:41*	*06/08/25 12:41*	*1*
Tetrachloro-m-xylene	*71*		*10 - 150*	*06/07/25 18:41*	*06/08/25 12:41*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7740**		16.3	4.5	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Antimony	0.82	U	0.82	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Arsenic	**1.6**		0.82	0.084	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Barium	**31.7**		1.6	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Beryllium	**0.41**		0.33	0.018	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Cadmium	0.82	U	0.82	0.092	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Calcium	**1160**		81.6	7.9	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Chromium	**15.2**		1.6	0.24	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Cobalt	**6.6**		1.6	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Copper	**16.0**		1.6	0.30	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Iron	**15600**		49.0	6.2	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Lead	**5.5**		0.49	0.16	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Magnesium	**2910**		81.6	8.3	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Manganese	**378**		3.3	0.33	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Nickel	**12.9**		1.6	0.14	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Potassium	**1240**		81.6	13.2	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Selenium	1.0	U	1.0	0.10	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Silver	0.33	U	0.33	0.073	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Sodium	**91.8**		81.6	37.3	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Thallium	**0.10**	**J**	0.33	0.033	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Vanadium	**23.2**		1.6	0.17	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1
Zinc	**29.7**		6.5	0.89	mg/Kg	☼	06/13/25 16:25	06/14/25 03:35	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	U	0.018	0.0084	mg/Kg	☼	06/11/25 01:10	06/11/25 06:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.0**		1.0	1.0	%			06/08/25 14:58	1
Percent Solids (EPA Moisture)	**95.0**		1.0	1.0	%			06/08/25 14:58	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Client Sample ID: SB-2(5-7)
Date Collected: 06/05/25 09:50
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-3
Matrix: Solid
Percent Solids: 96.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00057	U	0.00057	0.00013	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
1,1,2,2-Tetrachloroethane	0.00057	U	0.00057	0.00030	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00057	U	0.00057	0.00017	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
1,1,2-Trichloroethane	0.00057	U	0.00057	0.00034	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
1,1-Dichloroethane	0.00057	U	0.00057	0.00034	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
1,1-Dichloroethene	0.00057	U	0.00057	0.00013	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
1,2,3-Trichlorobenzene	0.00057	U	0.00057	0.00042	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
1,2,4-Trichlorobenzene	0.00057	U	0.00057	0.00021	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
1,2-Dibromo-3-Chloropropane	0.00057	U *	0.00057	0.00026	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
1,2-Dichlorobenzene	0.00057	U	0.00057	0.00021	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
1,2-Dichloroethane	0.00057	U	0.00057	0.00017	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
1,2-Dichloropropane	0.00057	U	0.00057	0.00024	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
1,3-Dichlorobenzene	0.00057	U	0.00057	0.00021	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
1,4-Dichlorobenzene	0.00057	U	0.00057	0.00030	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
2-Butanone (MEK)	0.0029	U	0.0029	0.00021	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
2-Hexanone	0.0029	U	0.0029	0.00098	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
4-Methyl-2-pentanone (MIBK)	0.0029	U	0.0029	0.00089	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Acetone	0.0034	U	0.0034	0.0033	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Benzene	0.00057	U	0.00057	0.00032	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Bromoform	0.00057	U	0.00057	0.00024	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Bromomethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Carbon disulfide	0.00057	U	0.00057	0.00015	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Carbon tetrachloride	0.00057	U	0.00057	0.00022	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Chlorobenzene	0.00057	U	0.00057	0.00029	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Chlorobromomethane	0.00057	U	0.00057	0.00034	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Chlorodibromomethane	0.00057	U	0.00057	0.00031	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Chloroethane	0.00057	U	0.00057	0.00030	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Chloroform	0.00057	U	0.00057	0.00056	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Chloromethane	0.00057	U	0.00057	0.00025	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
cis-1,2-Dichloroethene	0.00057	U	0.00057	0.00021	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
cis-1,3-Dichloropropene	0.00057	U	0.00057	0.00016	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Cyclohexane	0.00057	U	0.00057	0.00013	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Dichlorobromomethane	0.00057	U	0.00057	0.00015	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Dichlorodifluoromethane	0.00057	U	0.00057	0.00019	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Ethylbenzene	0.00057	U	0.00057	0.00027	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Ethylene Dibromide	0.00057	U	0.00057	0.00029	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Isopropylbenzene	0.00057	U	0.00057	0.00016	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Methyl acetate	0.0029	U *	0.0029	0.0025	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Methyl tert-butyl ether	0.00057	U	0.00057	0.00029	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Methylcyclohexane	0.00057	U	0.00057	0.00029	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Methylene Chloride	0.0011	U	0.0011	0.00066	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
m-Xylene & p-Xylene	0.00057	U	0.00057	0.00024	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
o-Xylene	0.00057	U	0.00057	0.00026	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Styrene	0.00057	U	0.00057	0.00016	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Tetrachloroethene	0.00057	U	0.00057	0.00017	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Toluene	0.00057	U	0.00057	0.00013	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
trans-1,2-Dichloroethene	0.00057	U	0.00057	0.00014	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
trans-1,3-Dichloropropene	0.00057	U	0.00057	0.00015	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Trichloroethene	0.00057	U	0.00057	0.00018	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Client Sample ID: SB-2(5-7)
Date Collected: 06/05/25 09:50
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-3
Matrix: Solid
Percent Solids: 96.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.00057	U	0.00057	0.00023	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1
Vinyl chloride	0.00057	U	0.00057	0.00031	mg/Kg	☼	06/10/25 07:39	06/13/25 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*65 - 138*	*06/10/25 07:39*	*06/13/25 01:57*	*1*
4-Bromofluorobenzene	*117*		*71 - 128*	*06/10/25 07:39*	*06/13/25 01:57*	*1*
Dibromofluoromethane (Surr)	*119*		*50 - 150*	*06/10/25 07:39*	*06/13/25 01:57*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*	*06/10/25 07:39*	*06/13/25 01:57*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
1,2,4,5-Tetrachlorobenzene	0.34	U	0.34	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
2,2'-oxybis[1-chloropropane]	0.34	U	0.34	0.020	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
2,3,4,6-Tetrachlorophenol	0.34	U	0.34	0.023	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
2,4,5-Trichlorophenol	0.34	U	0.34	0.035	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.044	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
2,4-Dimethylphenol	0.34	U	0.34	0.041	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
2,4-Dinitrophenol	0.27	U	0.27	0.17	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
2,4-Dinitrotoluene	0.069	U	0.069	0.037	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
2,6-Dinitrotoluene	0.069	U	0.069	0.025	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
2-Chloronaphthalene	0.34	U	0.34	0.044	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
2-Chlorophenol	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
2-Methylnaphthalene	0.34	U	0.34	0.0095	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
2-Nitroaniline	0.34	U	0.34	0.026	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
2-Nitrophenol	0.34	U	0.34	0.034	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.051	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
3-Nitroaniline	0.34	U	0.34	0.081	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
4,6-Dinitro-2-methylphenol	0.27	U *	0.27	0.14	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
4-Bromophenyl phenyl ether	0.34	U	0.34	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
4-Chloro-3-methylphenol	0.34	U	0.34	0.019	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
4-Chloroaniline	0.34	U	0.34	0.060	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
4-Chlorophenyl phenyl ether	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
4-Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
4-Nitroaniline	0.34	U	0.34	0.086	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
4-Nitrophenol	0.69	U	0.69	0.056	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Acenaphthene	0.34	U	0.34	0.0097	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Acenaphthylene	0.34	U	0.34	0.0097	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Acetophenone	0.34	U	0.34	0.017	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Anthracene	0.34	U	0.34	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Atrazine	0.14	U	0.14	0.020	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Benzaldehyde	0.34	U	0.34	0.056	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Benzo[a]anthracene	0.034	U	0.034	0.026	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Benzo[a]pyrene	0.034	U	0.034	0.0091	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Benzo[b]fluoranthene	0.034	U	0.034	0.0088	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Benzo[g,h,i]perylene	0.34	U	0.34	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Benzo[k]fluoranthene	0.034	U	0.034	0.0067	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1

Client Sample ID: SB-2(5-7)
Date Collected: 06/05/25 09:50
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-3
Matrix: Solid
Percent Solids: 96.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	0.34	U	0.34	0.063	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Bis(2-chloroethyl)ether	0.034	U	0.034	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Bis(2-ethylhexyl) phthalate	0.34	U	0.34	0.018	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Butyl benzyl phthalate	0.34	U	0.34	0.016	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Caprolactam	0.34	U	0.34	0.053	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Carbazole	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Chrysene	0.34	U	0.34	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Dibenz(a,h)anthracene	0.034	U	0.034	0.015	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Dibenzofuran	0.34	U	0.34	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Diethyl phthalate	0.34	U	0.34	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Dimethyl phthalate	0.34	U	0.34	0.077	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Di-n-butyl phthalate	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Di-n-octyl phthalate	0.34	U	0.34	0.018	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Fluoranthene	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Fluorene	0.34	U	0.34	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Hexachlorobutadiene	0.069	U	0.069	0.0072	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Hexachlorocyclopentadiene	0.34	U	0.34	0.030	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Hexachloroethane	0.034	U	0.034	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Indeno[1,2,3-cd]pyrene	0.034	U	0.034	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Isophorone	0.14	U	0.14	0.098	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Naphthalene	0.34	U	0.34	0.0059	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Nitrobenzene	0.034	U	0.034	0.019	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
N-Nitrosodi-n-propylamine	0.034	U	0.034	0.025	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
N-Nitrosodiphenylamine	0.34	U	0.34	0.028	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Pentachlorophenol	0.27	U	0.27	0.070	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Phenanthrene	0.34	U	0.34	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Phenol	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1
Pyrene	0.34	U	0.34	0.0085	mg/Kg	☼	06/07/25 09:51	06/08/25 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*18 - 137*	*06/07/25 09:51*	*06/08/25 16:33*	*1*
2-Fluorobiphenyl	*63*		*33 - 117*	*06/07/25 09:51*	*06/08/25 16:33*	*1*
2-Fluorophenol (Surr)	*66*		*24 - 120*	*06/07/25 09:51*	*06/08/25 16:33*	*1*
Nitrobenzene-d5 (Surr)	*59*		*27 - 120*	*06/07/25 09:51*	*06/08/25 16:33*	*1*
Phenol-d5 (Surr)	*63*		*28 - 118*	*06/07/25 09:51*	*06/08/25 16:33*	*1*
Terphenyl-d14 (Surr)	*67*		*33 - 124*	*06/07/25 09:51*	*06/08/25 16:33*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0069	U	0.0069	0.0012	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1
4,4'-DDE	0.0069	U	0.0069	0.00082	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1
4,4'-DDT	0.0069	U	0.0069	0.0013	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1
Aldrin	0.0069	U	0.0069	0.0010	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1
alpha-BHC	0.0021	U	0.0021	0.00070	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1
beta-BHC	0.0021	U	0.0021	0.00077	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1
Chlordane (technical)	0.069	U	0.069	0.017	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1
delta-BHC	0.0021	U	0.0021	0.00042	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1
Dieldrin	0.0021	U	0.0021	0.00090	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1
Endosulfan I	0.0069	U	0.0069	0.0011	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1

Client Sample ID: SB-2(5-7)
Date Collected: 06/05/25 09:50
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-3
Matrix: Solid
Percent Solids: 96.9

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0069	U	0.0069	0.0018	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1
Endosulfan sulfate	0.0069	U	0.0069	0.00087	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1
Endrin	0.0069	U	0.0069	0.00099	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1
Endrin aldehyde	0.0069	U	0.0069	0.0016	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1
Endrin ketone	0.0069	U	0.0069	0.0013	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00064	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1
Heptachlor	0.0069	U	0.0069	0.00082	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1
Heptachlor epoxide	0.0069	U	0.0069	0.0010	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1
Methoxychlor	0.0069	U	0.0069	0.0016	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1
Toxaphene	0.069	U	0.069	0.025	mg/Kg	☼	06/07/25 18:43	06/09/25 09:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*10 - 150*	*06/07/25 18:43*	*06/09/25 09:35*	*1*
DCB Decachlorobiphenyl	*96*		*10 - 150*	*06/07/25 18:43*	*06/09/25 09:35*	*1*
Tetrachloro-m-xylene	*55*		*14 - 150*	*06/07/25 18:43*	*06/09/25 09:35*	*1*
Tetrachloro-m-xylene	*58*		*14 - 150*	*06/07/25 18:43*	*06/09/25 09:35*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:57	1
Aroclor 1221	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:57	1
Aroclor 1232	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:57	1
Aroclor 1242	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:57	1
Aroclor 1248	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:57	1
Aroclor 1254	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:57	1
Aroclor 1260	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:57	1
Aroclor-1262	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:57	1
Aroclor 1268	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:57	1
Polychlorinated biphenyls, Total	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*10 - 150*	*06/07/25 18:41*	*06/08/25 12:57*	*1*
DCB Decachlorobiphenyl	*102*		*10 - 150*	*06/07/25 18:41*	*06/08/25 12:57*	*1*
Tetrachloro-m-xylene	*60*		*10 - 150*	*06/07/25 18:41*	*06/08/25 12:57*	*1*
Tetrachloro-m-xylene	*66*		*10 - 150*	*06/07/25 18:41*	*06/08/25 12:57*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4040**		15.6	4.3	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Antimony	0.78	U	0.78	0.11	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Arsenic	**0.71**	**J**	0.78	0.081	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Barium	**18.6**		1.6	0.11	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Beryllium	**0.22**	**J**	0.31	0.017	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Cadmium	0.78	U	0.78	0.088	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Calcium	**669**		78.2	7.6	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Chromium	**8.1**		1.6	0.23	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Cobalt	**2.6**		1.6	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Copper	**8.4**		1.6	0.29	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Iron	**6960**		46.9	6.0	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Lead	**2.8**		0.47	0.16	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1

Client Sample ID: SB-2(5-7)

Date Collected: 06/05/25 09:50
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-3

Matrix: Solid
Percent Solids: 96.9

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**1750**		78.2	8.0	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Manganese	**157**		3.1	0.32	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Nickel	**6.5**		1.6	0.14	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Potassium	**556**		78.2	12.7	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Selenium	0.98	U	0.98	0.10	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Silver	0.31	U	0.31	0.070	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Sodium	**69.8**	**J**	78.2	35.7	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Thallium	**0.043**	**J**	0.31	0.032	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Vanadium	**8.9**		1.6	0.16	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1
Zinc	**14.6**		6.3	0.85	mg/Kg	☼	06/13/25 16:25	06/14/25 03:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0089**	**J**	0.016	0.0075	mg/Kg	☼	06/11/25 01:10	06/11/25 06:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.1**		1.0	1.0	%			06/08/25 14:58	1
Percent Solids (EPA Moisture)	**96.9**		1.0	1.0	%			06/08/25 14:58	1

Client Sample ID: SB-2(14-15)

Date Collected: 06/05/25 10:00
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-4

Matrix: Solid
Percent Solids: 94.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00064	U	0.00064	0.00015	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
1,1,2,2-Tetrachloroethane	0.00064	U	0.00064	0.00034	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00064	U	0.00064	0.00019	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
1,1,2-Trichloroethane	0.00064	U	0.00064	0.00039	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
1,1-Dichloroethane	0.00064	U	0.00064	0.00038	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
1,1-Dichloroethene	0.00064	U	0.00064	0.00014	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
1,2,3-Trichlorobenzene	0.00064	U	0.00064	0.00048	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
1,2,4-Trichlorobenzene	0.00064	U	0.00064	0.00023	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
1,2-Dibromo-3-Chloropropane	0.00064	U *	0.00064	0.00030	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
1,2-Dichlorobenzene	0.00064	U	0.00064	0.00023	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
1,2-Dichloroethane	0.00064	U	0.00064	0.00019	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
1,2-Dichloropropane	0.00064	U	0.00064	0.00027	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
1,3-Dichlorobenzene	0.00064	U	0.00064	0.00024	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
1,4-Dichlorobenzene	0.00064	U	0.00064	0.00033	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
2-Butanone (MEK)	0.0032	U	0.0032	0.00024	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
2-Hexanone	0.0032	U	0.0032	0.0011	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
4-Methyl-2-pentanone (MIBK)	0.0032	U	0.0032	0.0010	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Acetone	0.0039	U	0.0039	0.0037	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Benzene	0.00064	U	0.00064	0.00037	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Bromoform	0.00064	U	0.00064	0.00027	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Bromomethane	0.0013	U	0.0013	0.00064	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Carbon disulfide	0.00064	U	0.00064	0.00017	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Carbon tetrachloride	0.00064	U	0.00064	0.00025	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Chlorobenzene	0.00064	U	0.00064	0.00033	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1

Client Sample ID: SB-2(14-15)
Date Collected: 06/05/25 10:00
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-4
Matrix: Solid
Percent Solids: 94.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.00064	U	0.00064	0.00038	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Chlorodibromomethane	0.00064	U	0.00064	0.00035	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Chloroethane	0.00064	U	0.00064	0.00034	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Chloroform	0.00064	U	0.00064	0.00063	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Chloromethane	0.00064	U	0.00064	0.00028	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
cis-1,2-Dichloroethene	0.00064	U	0.00064	0.00023	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
cis-1,3-Dichloropropene	0.00064	U	0.00064	0.00018	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Cyclohexane	0.00064	U	0.00064	0.00014	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Dichlorobromomethane	0.00064	U	0.00064	0.00017	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Dichlorodifluoromethane	0.00064	U	0.00064	0.00022	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Ethylbenzene	0.00064	U	0.00064	0.00030	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Ethylene Dibromide	0.00064	U	0.00064	0.00032	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Isopropylbenzene	0.00064	U	0.00064	0.00018	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Methyl acetate	0.0032	U *	0.0032	0.0028	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Methyl tert-butyl ether	0.00064	U	0.00064	0.00033	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Methylcyclohexane	0.00064	U	0.00064	0.00032	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Methylene Chloride	0.0013	U	0.0013	0.00074	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
m-Xylene & p-Xylene	0.00064	U	0.00064	0.00027	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
o-Xylene	0.00064	U	0.00064	0.00030	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Styrene	0.00064	U	0.00064	0.00018	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Tetrachloroethene	0.00064	U	0.00064	0.00020	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Toluene	0.00064	U	0.00064	0.00015	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
trans-1,2-Dichloroethene	0.00064	U	0.00064	0.00016	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
trans-1,3-Dichloropropene	0.00064	U	0.00064	0.00017	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Trichloroethene	0.00064	U	0.00064	0.00021	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Trichlorofluoromethane	0.00064	U	0.00064	0.00026	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1
Vinyl chloride	0.00064	U	0.00064	0.00035	mg/Kg	☼	06/10/25 07:39	06/13/25 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*65 - 138*	*06/10/25 07:39*	*06/13/25 02:20*	*1*
4-Bromofluorobenzene	*110*		*71 - 128*	*06/10/25 07:39*	*06/13/25 02:20*	*1*
Dibromofluoromethane (Surr)	*111*		*50 - 150*	*06/10/25 07:39*	*06/13/25 02:20*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*06/10/25 07:39*	*06/13/25 02:20*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.021	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
2,4-Dimethylphenol	0.35	U	0.35	0.042	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
2,4-Dinitrotoluene	0.071	U	0.071	0.038	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
2,6-Dinitrotoluene	0.071	U	0.071	0.025	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
2-Chloronaphthalene	0.35	U	0.35	0.045	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
2-Chlorophenol	0.35	U	0.35	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Client Sample ID: SB-2(14-15)
Date Collected: 06/05/25 10:00
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-4
Matrix: Solid
Percent Solids: 94.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.35	U	0.35	0.0098	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
2-Nitroaniline	0.35	U	0.35	0.027	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
3-Nitroaniline	0.35	U	0.35	0.083	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
4,6-Dinitro-2-methylphenol	0.28	U *	0.28	0.14	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
4-Chloroaniline	0.35	U	0.35	0.062	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
4-Nitroaniline	0.35	U	0.35	0.089	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
4-Nitrophenol	0.71	U	0.71	0.057	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Acenaphthene	0.35	U	0.35	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Acenaphthylene	0.35	U	0.35	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Anthracene	0.35	U	0.35	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Benzaldehyde	0.35	U	0.35	0.058	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Benzo[a]anthracene	0.035	U	0.035	0.026	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Benzo[a]pyrene	0.035	U	0.035	0.0094	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Benzo[b]fluoranthene	0.035	U	0.035	0.0091	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Benzo[g,h,i]perylene	0.35	U	0.35	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Benzo[k]fluoranthene	0.035	U	0.035	0.0069	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.065	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Bis(2-ethylhexyl) phthalate	0.35	U	0.35	0.019	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Butyl benzyl phthalate	0.35	U	0.35	0.016	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Caprolactam	0.35	U	0.35	0.055	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Carbazole	0.35	U	0.35	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Chrysene	0.35	U	0.35	0.015	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Dibenzofuran	0.35	U	0.35	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Diethyl phthalate	0.35	U	0.35	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Dimethyl phthalate	0.35	U	0.35	0.080	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Fluoranthene	0.35	U	0.35	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Fluorene	0.35	U	0.35	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Hexachlorobutadiene	0.071	U	0.071	0.0075	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Indeno[1,2,3-cd]pyrene	0.035	U	0.035	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Naphthalene	0.35	U	0.35	0.0061	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Nitrobenzene	0.035	U	0.035	0.020	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.026	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1

Client Sample ID: SB-2(14-15)
Date Collected: 06/05/25 10:00
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-4
Matrix: Solid
Percent Solids: 94.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Phenanthrene	0.35	U	0.35	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1
Pyrene	0.35	U	0.35	0.0087	mg/Kg	☼	06/07/25 09:51	06/08/25 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*18 - 137*	*06/07/25 09:51*	*06/08/25 16:50*	*1*
2-Fluorobiphenyl	*72*		*33 - 117*	*06/07/25 09:51*	*06/08/25 16:50*	*1*
2-Fluorophenol (Surr)	*74*		*24 - 120*	*06/07/25 09:51*	*06/08/25 16:50*	*1*
Nitrobenzene-d5 (Surr)	*67*		*27 - 120*	*06/07/25 09:51*	*06/08/25 16:50*	*1*
Phenol-d5 (Surr)	*70*		*28 - 118*	*06/07/25 09:51*	*06/08/25 16:50*	*1*
Terphenyl-d14 (Surr)	*74*		*33 - 124*	*06/07/25 09:51*	*06/08/25 16:50*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
4,4'-DDE	0.0071	U	0.0071	0.00084	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
delta-BHC	0.0021	U	0.0021	0.00044	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
Dieldrin	0.0021	U	0.0021	0.00093	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
Endosulfan sulfate	0.0071	U	0.0071	0.00089	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
Heptachlor	0.0071	U	0.0071	0.00084	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1
Toxaphene	0.071	U	0.071	0.026	mg/Kg	☼	06/07/25 18:43	06/09/25 09:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*10 - 150*	*06/07/25 18:43*	*06/09/25 09:48*	*1*
DCB Decachlorobiphenyl	*96*		*10 - 150*	*06/07/25 18:43*	*06/09/25 09:48*	*1*
Tetrachloro-m-xylene	*55*		*14 - 150*	*06/07/25 18:43*	*06/09/25 09:48*	*1*
Tetrachloro-m-xylene	*58*		*14 - 150*	*06/07/25 18:43*	*06/09/25 09:48*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:14	1
Aroclor 1221	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:14	1
Aroclor 1232	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:14	1
Aroclor 1242	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:14	1
Aroclor 1248	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:14	1

Client Sample ID: SB-2(14-15)
Date Collected: 06/05/25 10:00
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-4
Matrix: Solid
Percent Solids: 94.0

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1254	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:14	1
Aroclor 1260	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:14	1
Aroclor-1262	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:14	1
Aroclor 1268	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:14	1
Polychlorinated biphenyls, Total	0.071	U	0.071	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*110*		*10 - 150*	*06/07/25 18:41*	*06/08/25 13:14*	*1*
DCB Decachlorobiphenyl	*111*		*10 - 150*	*06/07/25 18:41*	*06/08/25 13:14*	*1*
Tetrachloro-m-xylene	*66*		*10 - 150*	*06/07/25 18:41*	*06/08/25 13:14*	*1*
Tetrachloro-m-xylene	*67*		*10 - 150*	*06/07/25 18:41*	*06/08/25 13:14*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3690**		16.1	4.4	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Antimony	0.81	U	0.81	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Arsenic	**0.71**	**J**	0.81	0.083	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Barium	**20.0**		1.6	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Beryllium	**0.19**	**J**	0.32	0.018	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Cadmium	0.81	U	0.81	0.091	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Calcium	**708**		80.6	7.8	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Chromium	**7.8**		1.6	0.24	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Cobalt	**2.9**		1.6	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Copper	**6.8**		1.6	0.30	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Iron	**6920**		48.4	6.2	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Lead	**2.1**		0.48	0.16	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Magnesium	**1610**		80.6	8.2	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Manganese	**197**		3.2	0.32	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Nickel	**6.2**		1.6	0.14	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Potassium	**499**		80.6	13.1	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Selenium	1.0	U	1.0	0.10	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Silver	0.32	U	0.32	0.072	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Sodium	**82.5**		80.6	36.8	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Thallium	**0.041**	**J**	0.32	0.033	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Vanadium	**9.9**		1.6	0.17	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1
Zinc	**14.5**		6.4	0.88	mg/Kg	☼	06/13/25 16:25	06/14/25 03:49	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	U	0.018	0.0082	mg/Kg	☼	06/11/25 01:10	06/11/25 06:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.0**		1.0	1.0	%			06/08/25 14:58	1
Percent Solids (EPA Moisture)	**94.0**		1.0	1.0	%			06/08/25 14:58	1

Client Sample ID: SB-2(21-22)
Date Collected: 06/05/25 10:10
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-5
Matrix: Solid
Percent Solids: 95.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00061	U	0.00061	0.00014	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
1,1,2,2-Tetrachloroethane	0.00061	U	0.00061	0.00032	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00061	U	0.00061	0.00018	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
1,1,2-Trichloroethane	0.00061	U	0.00061	0.00037	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
1,1-Dichloroethane	0.00061	U	0.00061	0.00036	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
1,1-Dichloroethene	0.00061	U	0.00061	0.00014	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
1,2,3-Trichlorobenzene	0.00061	U	0.00061	0.00045	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
1,2,4-Trichlorobenzene	0.00061	U	0.00061	0.00022	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
1,2-Dibromo-3-Chloropropane	0.00061	U	0.00061	0.00028	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
1,2-Dichlorobenzene	0.00061	U	0.00061	0.00022	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
1,2-Dichloroethane	0.00061	U	0.00061	0.00018	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
1,2-Dichloropropane	0.00061	U	0.00061	0.00026	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
1,3-Dichlorobenzene	0.00061	U	0.00061	0.00022	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
1,4-Dichlorobenzene	0.00061	U	0.00061	0.00032	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
2-Butanone (MEK)	**0.0018**	**J**	0.0030	0.00022	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
2-Hexanone	0.0030	U	0.0030	0.0010	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
4-Methyl-2-pentanone (MIBK)	0.0030	U	0.0030	0.00095	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Acetone	**0.023**		0.0036	0.0035	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Benzene	0.00061	U	0.00061	0.00034	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Bromoform	0.00061	U	0.00061	0.00026	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Bromomethane	0.0012	U	0.0012	0.00061	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Carbon disulfide	0.00061	U	0.00061	0.00016	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Carbon tetrachloride	0.00061	U	0.00061	0.00024	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Chlorobenzene	0.00061	U	0.00061	0.00031	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Chlorobromomethane	0.00061	U	0.00061	0.00036	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Chlorodibromomethane	0.00061	U	0.00061	0.00033	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Chloroethane	0.00061	U	0.00061	0.00032	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Chloroform	0.00061	U	0.00061	0.00059	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Chloromethane	0.00061	U	0.00061	0.00026	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
cis-1,2-Dichloroethene	0.00061	U	0.00061	0.00022	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
cis-1,3-Dichloropropene	0.00061	U	0.00061	0.00017	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Cyclohexane	0.00061	U	0.00061	0.00013	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Dichlorobromomethane	0.00061	U	0.00061	0.00016	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Dichlorodifluoromethane	0.00061	U	0.00061	0.00021	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Ethylbenzene	0.00061	U	0.00061	0.00028	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Ethylene Dibromide	0.00061	U	0.00061	0.00031	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Isopropylbenzene	0.00061	U	0.00061	0.00017	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Methyl acetate	0.0030	U	0.0030	0.0026	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Methyl tert-butyl ether	0.00061	U	0.00061	0.00031	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Methylcyclohexane	0.00061	U	0.00061	0.00030	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Methylene Chloride	0.0012	U	0.0012	0.00070	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
m-Xylene & p-Xylene	0.00061	U	0.00061	0.00026	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
o-Xylene	0.00061	U	0.00061	0.00028	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Styrene	0.00061	U	0.00061	0.00017	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Tetrachloroethene	**0.00023**	**J**	0.00061	0.00019	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Toluene	0.00061	U	0.00061	0.00014	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
trans-1,2-Dichloroethene	0.00061	U	0.00061	0.00015	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
trans-1,3-Dichloropropene	0.00061	U	0.00061	0.00016	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Trichloroethene	0.00061	U	0.00061	0.00020	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1

Client Sample ID: SB-2(21-22)
Date Collected: 06/05/25 10:10
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-5
Matrix: Solid
Percent Solids: 95.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.00061	U	0.00061	0.00025	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1
Vinyl chloride	0.00061	U	0.00061	0.00033	mg/Kg	☼	06/10/25 07:40	06/13/25 09:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*	*06/10/25 07:40*	*06/13/25 09:26*	*1*
4-Bromofluorobenzene	*82*		*71 - 128*	*06/10/25 07:40*	*06/13/25 09:26*	*1*
Dibromofluoromethane (Surr)	*81*		*50 - 150*	*06/10/25 07:40*	*06/13/25 09:26*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*06/10/25 07:40*	*06/13/25 09:26*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
1,2,4,5-Tetrachlorobenzene	0.34	U	0.34	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
2,2'-oxybis[1-chloropropane]	0.34	U	0.34	0.021	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
2,3,4,6-Tetrachlorophenol	0.34	U	0.34	0.023	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
2,4,5-Trichlorophenol	0.34	U	0.34	0.035	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.044	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
2,4-Dimethylphenol	0.34	U	0.34	0.041	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
2,4-Dinitrotoluene	0.070	U	0.070	0.037	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
2,6-Dinitrotoluene	0.070	U	0.070	0.025	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
2-Chloronaphthalene	0.34	U	0.34	0.044	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
2-Chlorophenol	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
2-Methylnaphthalene	0.34	U	0.34	0.0096	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
2-Nitroaniline	0.34	U	0.34	0.026	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
2-Nitrophenol	0.34	U	0.34	0.034	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.052	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
3-Nitroaniline	0.34	U	0.34	0.082	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
4,6-Dinitro-2-methylphenol	0.28	U *	0.28	0.14	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
4-Bromophenyl phenyl ether	0.34	U	0.34	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
4-Chloro-3-methylphenol	0.34	U	0.34	0.019	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
4-Chloroaniline	0.34	U	0.34	0.061	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
4-Chlorophenyl phenyl ether	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
4-Methylphenol	0.34	U	0.34	0.022	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
4-Nitroaniline	0.34	U	0.34	0.087	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
4-Nitrophenol	0.70	U	0.70	0.056	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Acenaphthene	0.34	U	0.34	0.0098	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Acenaphthylene	0.34	U	0.34	0.0098	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Acetophenone	0.34	U	0.34	0.017	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Anthracene	0.34	U	0.34	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Atrazine	0.14	U	0.14	0.020	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Benzaldehyde	0.34	U	0.34	0.057	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Benzo[a]anthracene	0.034	U	0.034	0.026	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Benzo[a]pyrene	**0.011**	**J**	0.034	0.0092	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Benzo[b]fluoranthene	**0.016**	**J**	0.034	0.0089	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Benzo[g,h,i]perylene	0.34	U	0.34	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Benzo[k]fluoranthene	0.034	U	0.034	0.0068	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1

Client Sample ID: SB-2(21-22)
Date Collected: 06/05/25 10:10
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-5
Matrix: Solid
Percent Solids: 95.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	0.34	U	0.34	0.064	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Bis(2-chloroethyl)ether	0.034	U	0.034	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Bis(2-ethylhexyl) phthalate	0.34	U	0.34	0.018	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Butyl benzyl phthalate	0.34	U	0.34	0.016	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Caprolactam	0.34	U	0.34	0.054	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Carbazole	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Chrysene	0.34	U	0.34	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Dibenz(a,h)anthracene	0.034	U	0.034	0.015	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Dibenzofuran	0.34	U	0.34	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Diethyl phthalate	0.34	U	0.34	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Dimethyl phthalate	0.34	U	0.34	0.078	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Di-n-butyl phthalate	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Di-n-octyl phthalate	0.34	U	0.34	0.018	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Fluoranthene	**0.026**	**J**	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Fluorene	0.34	U	0.34	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Hexachlorobutadiene	0.070	U	0.070	0.0073	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Hexachlorocyclopentadiene	0.34	U	0.34	0.030	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Hexachloroethane	0.034	U	0.034	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Indeno[1,2,3-cd]pyrene	**0.024**	**J**	0.034	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Naphthalene	0.34	U	0.34	0.0060	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Nitrobenzene	0.034	U	0.034	0.019	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
N-Nitrosodi-n-propylamine	0.034	U	0.034	0.025	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
N-Nitrosodiphenylamine	0.34	U	0.34	0.028	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Pentachlorophenol	0.28	U	0.28	0.071	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Phenanthrene	**0.015**	**J**	0.34	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Phenol	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1
Pyrene	**0.022**	**J**	0.34	0.0086	mg/Kg	☼	06/07/25 09:51	06/08/25 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*18 - 137*	*06/07/25 09:51*	*06/08/25 17:08*	*1*
2-Fluorobiphenyl	*71*		*33 - 117*	*06/07/25 09:51*	*06/08/25 17:08*	*1*
2-Fluorophenol (Surr)	*75*		*24 - 120*	*06/07/25 09:51*	*06/08/25 17:08*	*1*
Nitrobenzene-d5 (Surr)	*64*		*27 - 120*	*06/07/25 09:51*	*06/08/25 17:08*	*1*
Phenol-d5 (Surr)	*70*		*28 - 118*	*06/07/25 09:51*	*06/08/25 17:08*	*1*
Terphenyl-d14 (Surr)	*75*		*33 - 124*	*06/07/25 09:51*	*06/08/25 17:08*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0070	U	0.0070	0.0012	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1
4,4'-DDE	0.0070	U	0.0070	0.00083	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1
4,4'-DDT	0.0070	U	0.0070	0.0013	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1
Aldrin	0.0070	U	0.0070	0.0011	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1
alpha-BHC	0.0021	U	0.0021	0.00071	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1
beta-BHC	0.0021	U	0.0021	0.00078	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1
Chlordane (technical)	0.070	U	0.070	0.017	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1
Dieldrin	0.0021	U	0.0021	0.00091	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1
Endosulfan I	0.0070	U	0.0070	0.0011	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1

Client Sample ID: SB-2(21-22)

Date Collected: 06/05/25 10:10
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-5

Matrix: Solid
Percent Solids: 95.7

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0070	U	0.0070	0.0018	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1
Endosulfan sulfate	0.0070	U	0.0070	0.00088	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1
Endrin	0.0070	U	0.0070	0.0010	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1
Endrin aldehyde	0.0070	U	0.0070	0.0017	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1
Endrin ketone	0.0070	U	0.0070	0.0014	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00065	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1
Heptachlor	0.0070	U	0.0070	0.00083	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1
Heptachlor epoxide	0.0070	U	0.0070	0.0010	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1
Methoxychlor	0.0070	U	0.0070	0.0016	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1
Toxaphene	0.070	U	0.070	0.025	mg/Kg	☼	06/07/25 18:43	06/09/25 10:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*10 - 150*	*06/07/25 18:43*	*06/09/25 10:01*	*1*
DCB Decachlorobiphenyl	*99*		*10 - 150*	*06/07/25 18:43*	*06/09/25 10:01*	*1*
Tetrachloro-m-xylene	*73*		*14 - 150*	*06/07/25 18:43*	*06/09/25 10:01*	*1*
Tetrachloro-m-xylene	*76*		*14 - 150*	*06/07/25 18:43*	*06/09/25 10:01*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.070	U	0.070	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:30	1
Aroclor 1221	0.070	U	0.070	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:30	1
Aroclor 1232	0.070	U	0.070	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:30	1
Aroclor 1242	0.070	U	0.070	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:30	1
Aroclor 1248	0.070	U	0.070	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:30	1
Aroclor 1254	0.070	U	0.070	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:30	1
Aroclor 1260	0.070	U	0.070	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:30	1
Aroclor-1262	0.070	U	0.070	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:30	1
Aroclor 1268	0.070	U	0.070	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:30	1
Polychlorinated biphenyls, Total	0.070	U	0.070	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*108*		*10 - 150*	*06/07/25 18:41*	*06/08/25 13:30*	*1*
DCB Decachlorobiphenyl	*118*		*10 - 150*	*06/07/25 18:41*	*06/08/25 13:30*	*1*
Tetrachloro-m-xylene	*82*		*10 - 150*	*06/07/25 18:41*	*06/08/25 13:30*	*1*
Tetrachloro-m-xylene	*89*		*10 - 150*	*06/07/25 18:41*	*06/08/25 13:30*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6010**		16.5	4.5	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Antimony	0.82	U	0.82	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Arsenic	**1.2**		0.82	0.085	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Barium	**31.9**		1.6	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Beryllium	**0.30**	**J**	0.33	0.018	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Cadmium	0.82	U	0.82	0.093	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Calcium	**3570**		82.3	8.0	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Chromium	**15.9**		1.6	0.24	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Cobalt	**5.2**		1.6	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Copper	**13.9**		1.6	0.30	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Iron	**12400**		49.4	6.3	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Lead	**43.0**		0.49	0.16	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1

Client Sample ID: SB-2(21-22)

Date Collected: 06/05/25 10:10
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-5

Matrix: Solid
Percent Solids: 95.7

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**3400**		82.3	8.4	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Manganese	**270**		3.3	0.33	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Nickel	**12.8**		1.6	0.15	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Potassium	**1110**		82.3	13.3	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Selenium	1.0	U	1.0	0.11	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Silver	0.33	U	0.33	0.073	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Sodium	**204**		82.3	37.6	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Thallium	**0.097**	**J**	0.33	0.034	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Vanadium	**20.3**		1.6	0.17	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1
Zinc	**34.0**		6.6	0.90	mg/Kg	☼	06/13/25 16:25	06/14/25 03:52	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	U	0.018	0.0084	mg/Kg	☼	06/11/25 01:10	06/11/25 06:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.3**		1.0	1.0	%			06/08/25 14:58	1
Percent Solids (EPA Moisture)	**95.7**		1.0	1.0	%			06/08/25 14:58	1

Client Sample ID: SB-3(5-7)

Date Collected: 06/05/25 10:40
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-6

Matrix: Solid
Percent Solids: 87.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00054	U	0.00054	0.00013	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
1,1,2,2-Tetrachloroethane	0.00054	U	0.00054	0.00028	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00054	U	0.00054	0.00016	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
1,1,2-Trichloroethane	0.00054	U	0.00054	0.00033	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
1,1-Dichloroethane	0.00054	U	0.00054	0.00032	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
1,1-Dichloroethene	0.00054	U	0.00054	0.00012	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
1,2,3-Trichlorobenzene	0.00054	U	0.00054	0.00040	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
1,2,4-Trichlorobenzene	0.00054	U	0.00054	0.00019	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
1,2-Dibromo-3-Chloropropane	0.00054	U	0.00054	0.00025	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
1,2-Dichlorobenzene	0.00054	U	0.00054	0.00020	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
1,2-Dichloroethane	0.00054	U	0.00054	0.00016	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
1,2-Dichloropropane	0.00054	U	0.00054	0.00023	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
1,3-Dichlorobenzene	0.00054	U	0.00054	0.00020	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
1,4-Dichlorobenzene	0.00054	U	0.00054	0.00028	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
2-Butanone (MEK)	0.0027	U	0.0027	0.00020	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
2-Hexanone	0.0027	U	0.0027	0.00093	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
4-Methyl-2-pentanone (MIBK)	0.0027	U	0.0027	0.00084	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Acetone	0.0033	U	0.0033	0.0031	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Benzene	0.00054	U	0.00054	0.00031	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Bromoform	0.00054	U	0.00054	0.00023	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Bromomethane	0.0011	U	0.0011	0.00054	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Carbon disulfide	0.00054	U	0.00054	0.00014	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Carbon tetrachloride	0.00054	U	0.00054	0.00021	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Chlorobenzene	0.00054	U	0.00054	0.00028	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Client Sample ID: SB-3(5-7)
Date Collected: 06/05/25 10:40
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-6
Matrix: Solid
Percent Solids: 87.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.00054	U	0.00054	0.00032	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Chlorodibromomethane	0.00054	U	0.00054	0.00029	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Chloroethane	0.00054	U	0.00054	0.00028	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Chloroform	0.00054	U	0.00054	0.00053	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Chloromethane	0.00054	U	0.00054	0.00024	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
cis-1,2-Dichloroethene	0.00054	U	0.00054	0.00019	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
cis-1,3-Dichloropropene	0.00054	U	0.00054	0.00015	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Cyclohexane	0.00054	U	0.00054	0.00012	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Dichlorobromomethane	0.00054	U	0.00054	0.00014	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Dichlorodifluoromethane	0.00054	U	0.00054	0.00018	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Ethylbenzene	0.00054	U	0.00054	0.00025	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Ethylene Dibromide	0.00054	U	0.00054	0.00027	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Isopropylbenzene	0.00054	U	0.00054	0.00015	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Methyl acetate	0.0027	U	0.0027	0.0023	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Methyl tert-butyl ether	0.00054	U	0.00054	0.00028	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Methylcyclohexane	0.00054	U	0.00054	0.00027	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Methylene Chloride	0.0011	U	0.0011	0.00062	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
m-Xylene & p-Xylene	0.00054	U	0.00054	0.00023	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
o-Xylene	0.00054	U	0.00054	0.00025	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Styrene	0.00054	U	0.00054	0.00015	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Tetrachloroethene	**0.0016**		0.00054	0.00017	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Toluene	0.00054	U	0.00054	0.00013	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
trans-1,2-Dichloroethene	0.00054	U	0.00054	0.00013	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
trans-1,3-Dichloropropene	0.00054	U	0.00054	0.00014	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Trichloroethene	0.00054	U	0.00054	0.00017	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Trichlorofluoromethane	0.00054	U	0.00054	0.00022	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1
Vinyl chloride	0.00054	U	0.00054	0.00030	mg/Kg	☼	06/10/25 07:40	06/13/25 09:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*65 - 138*	*06/10/25 07:40*	*06/13/25 09:51*	*1*
4-Bromofluorobenzene	*79*		*71 - 128*	*06/10/25 07:40*	*06/13/25 09:51*	*1*
Dibromofluoromethane (Surr)	*113*		*50 - 150*	*06/10/25 07:40*	*06/13/25 09:51*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*06/10/25 07:40*	*06/13/25 09:51*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
2,6-Dinitrotoluene	0.077	U	0.077	0.027	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
2-Chloronaphthalene	0.38	U	0.38	0.049	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Client Sample ID: SB-3(5-7)
Date Collected: 06/05/25 10:40
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-6
Matrix: Solid
Percent Solids: 87.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
3-Nitroaniline	0.38	U	0.38	0.090	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
4,6-Dinitro-2-methylphenol	0.31	U *	0.31	0.15	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
4-Nitroaniline	0.38	U	0.38	0.096	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Benzaldehyde	0.38	U	0.38	0.063	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Benzo[a]pyrene	**0.010**	**J**	0.038	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Benzo[b]fluoranthene	**0.013**	**J**	0.038	0.0098	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0074	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.070	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Caprolactam	0.38	U	0.38	0.059	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Fluoranthene	**0.020**	**J**	0.38	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Indeno[1,2,3-cd]pyrene	**0.026**	**J**	0.038	0.015	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Naphthalene	0.38	U	0.38	0.0066	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1

Client Sample ID: SB-3(5-7)
Date Collected: 06/05/25 10:40
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-6
Matrix: Solid
Percent Solids: 87.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Phenanthrene	0.38	U	0.38	0.015	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1
Pyrene	**0.018**	**J**	0.38	0.0094	mg/Kg	☼	06/07/25 09:51	06/08/25 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*56*		*18 - 137*	*06/07/25 09:51*	*06/08/25 17:25*	*1*
2-Fluorobiphenyl	*44*		*33 - 117*	*06/07/25 09:51*	*06/08/25 17:25*	*1*
2-Fluorophenol (Surr)	*46*		*24 - 120*	*06/07/25 09:51*	*06/08/25 17:25*	*1*
Nitrobenzene-d5 (Surr)	*40*		*27 - 120*	*06/07/25 09:51*	*06/08/25 17:25*	*1*
Phenol-d5 (Surr)	*44*		*28 - 118*	*06/07/25 09:51*	*06/08/25 17:25*	*1*
Terphenyl-d14 (Surr)	*56*		*33 - 124*	*06/07/25 09:51*	*06/08/25 17:25*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
Endosulfan sulfate	0.0077	U	0.0077	0.00096	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
Heptachlor epoxide	0.0077	U	0.0077	0.0011	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	06/07/25 18:43	06/09/25 10:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*10 - 150*	*06/07/25 18:43*	*06/09/25 10:14*	*1*
DCB Decachlorobiphenyl	*100*		*10 - 150*	*06/07/25 18:43*	*06/09/25 10:14*	*1*
Tetrachloro-m-xylene	*52*		*14 - 150*	*06/07/25 18:43*	*06/09/25 10:14*	*1*
Tetrachloro-m-xylene	*55*		*14 - 150*	*06/07/25 18:43*	*06/09/25 10:14*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 13:47	1
Aroclor 1221	0.077	U	0.077	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 13:47	1
Aroclor 1232	0.077	U	0.077	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 13:47	1
Aroclor 1242	0.077	U	0.077	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 13:47	1
Aroclor 1248	0.077	U	0.077	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 13:47	1

Client Sample ID: SB-3(5-7)

Date Collected: 06/05/25 10:40
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-6

Matrix: Solid
Percent Solids: 87.1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1254	0.077	U	0.077	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 13:47	1
Aroclor 1260	0.077	U	0.077	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 13:47	1
Aroclor-1262	0.077	U	0.077	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 13:47	1
Aroclor 1268	0.077	U	0.077	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 13:47	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*110*		*10 - 150*	*06/07/25 18:41*	*06/08/25 13:47*	*1*
DCB Decachlorobiphenyl	*116*		*10 - 150*	*06/07/25 18:41*	*06/08/25 13:47*	*1*
Tetrachloro-m-xylene	*59*		*10 - 150*	*06/07/25 18:41*	*06/08/25 13:47*	*1*
Tetrachloro-m-xylene	*64*		*10 - 150*	*06/07/25 18:41*	*06/08/25 13:47*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10100**		18.2	5.0	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Antimony	**0.15**	**J**	0.91	0.13	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Arsenic	**2.2**		0.91	0.094	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Barium	**29.9**		1.8	0.13	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Beryllium	**0.36**		0.36	0.020	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Cadmium	0.91	U	0.91	0.10	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Calcium	**864**		91.1	8.9	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Chromium	**17.4**		1.8	0.27	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Cobalt	**5.2**		1.8	0.13	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Copper	**16.5**		1.8	0.34	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Iron	**13300**		54.7	7.0	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Lead	**67.1**		0.55	0.18	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Magnesium	**2150**		91.1	9.3	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Manganese	**339**		3.6	0.37	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Nickel	**11.1**		1.8	0.16	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Potassium	**662**		91.1	14.8	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Selenium	**0.17**	**J**	1.1	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Silver	0.36	U	0.36	0.081	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Sodium	**60.7**	**J**	91.1	41.6	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Thallium	**0.086**	**J**	0.36	0.037	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Vanadium	**22.1**		1.8	0.19	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1
Zinc	**61.6**		7.3	0.99	mg/Kg	☼	06/13/25 16:25	06/14/25 03:54	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.029**		0.019	0.0089	mg/Kg	☼	06/11/25 01:10	06/11/25 06:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**12.9**		1.0	1.0	%			06/08/25 14:58	1
Percent Solids (EPA Moisture)	**87.1**		1.0	1.0	%			06/08/25 14:58	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Client Sample ID: SB-3(14-15)
Date Collected: 06/05/25 10:55
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-7
Matrix: Solid
Percent Solids: 97.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00060	U	0.00060	0.00014	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
1,1,2,2-Tetrachloroethane	0.00060	U	0.00060	0.00031	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00060	U	0.00060	0.00018	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
1,1,2-Trichloroethane	0.00060	U	0.00060	0.00036	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
1,1-Dichloroethane	0.00060	U	0.00060	0.00036	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
1,1-Dichloroethene	0.00060	U	0.00060	0.00014	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
1,2,3-Trichlorobenzene	0.00060	U	0.00060	0.00044	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
1,2,4-Trichlorobenzene	0.00060	U	0.00060	0.00022	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
1,2-Dibromo-3-Chloropropane	0.00060	U	0.00060	0.00028	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
1,2-Dichlorobenzene	0.00060	U	0.00060	0.00022	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
1,2-Dichloroethane	0.00060	U	0.00060	0.00018	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
1,2-Dichloropropane	0.00060	U	0.00060	0.00025	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
1,3-Dichlorobenzene	0.00060	U	0.00060	0.00022	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
1,4-Dichlorobenzene	0.00060	U	0.00060	0.00031	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
2-Butanone (MEK)	0.0030	U	0.0030	0.00022	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
2-Hexanone	0.0030	U	0.0030	0.0010	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
4-Methyl-2-pentanone (MIBK)	0.0030	U	0.0030	0.00094	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Acetone	0.0036	U	0.0036	0.0034	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Benzene	0.00060	U	0.00060	0.00034	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Bromoform	0.00060	U	0.00060	0.00026	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Bromomethane	0.0012	U	0.0012	0.00060	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Carbon disulfide	0.00060	U	0.00060	0.00016	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Carbon tetrachloride	0.00060	U	0.00060	0.00023	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Chlorobenzene	0.00060	U	0.00060	0.00031	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Chlorobromomethane	0.00060	U	0.00060	0.00036	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Chlorodibromomethane	0.00060	U	0.00060	0.00032	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Chloroethane	0.00060	U	0.00060	0.00031	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Chloroform	0.00060	U	0.00060	0.00058	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Chloromethane	0.00060	U	0.00060	0.00026	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
cis-1,2-Dichloroethene	0.00060	U	0.00060	0.00022	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
cis-1,3-Dichloropropene	0.00060	U	0.00060	0.00016	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Cyclohexane	0.00060	U	0.00060	0.00013	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Dichlorobromomethane	0.00060	U	0.00060	0.00015	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Dichlorodifluoromethane	0.00060	U	0.00060	0.00020	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Ethylbenzene	0.00060	U	0.00060	0.00028	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Ethylene Dibromide	0.00060	U	0.00060	0.00030	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Isopropylbenzene	0.00060	U	0.00060	0.00017	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Methyl acetate	0.0030	U	0.0030	0.0026	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Methyl tert-butyl ether	0.00060	U	0.00060	0.00031	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Methylcyclohexane	0.00060	U	0.00060	0.00030	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Methylene Chloride	0.0012	U	0.0012	0.00069	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
m-Xylene & p-Xylene	0.00060	U	0.00060	0.00025	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
o-Xylene	0.00060	U	0.00060	0.00028	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Styrene	0.00060	U	0.00060	0.00017	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Tetrachloroethene	0.00060	U	0.00060	0.00018	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Toluene	0.00060	U	0.00060	0.00014	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
trans-1,2-Dichloroethene	0.00060	U	0.00060	0.00015	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
trans-1,3-Dichloropropene	0.00060	U	0.00060	0.00016	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Trichloroethene	0.00060	U	0.00060	0.00019	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Client Sample ID: SB-3(14-15)
Date Collected: 06/05/25 10:55
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-7
Matrix: Solid
Percent Solids: 97.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.00060	U	0.00060	0.00024	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1
Vinyl chloride	0.00060	U	0.00060	0.00033	mg/Kg	☼	06/10/25 07:41	06/13/25 10:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*65 - 138*	*06/10/25 07:41*	*06/13/25 10:16*	*1*
4-Bromofluorobenzene	*84*		*71 - 128*	*06/10/25 07:41*	*06/13/25 10:16*	*1*
Dibromofluoromethane (Surr)	*116*		*50 - 150*	*06/10/25 07:41*	*06/13/25 10:16*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*06/10/25 07:41*	*06/13/25 10:16*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
1,2,4,5-Tetrachlorobenzene	0.34	U	0.34	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
2,2'-oxybis[1-chloropropane]	0.34	U	0.34	0.020	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
2,3,4,6-Tetrachlorophenol	0.34	U	0.34	0.023	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
2,4,5-Trichlorophenol	0.34	U	0.34	0.035	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.044	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
2,4-Dimethylphenol	0.34	U	0.34	0.041	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
2,4-Dinitrophenol	0.27	U	0.27	0.17	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
2,4-Dinitrotoluene	0.069	U	0.069	0.037	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
2,6-Dinitrotoluene	0.069	U	0.069	0.025	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
2-Chloronaphthalene	0.34	U	0.34	0.044	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
2-Chlorophenol	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
2-Methylnaphthalene	0.34	U	0.34	0.0095	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
2-Nitroaniline	0.34	U	0.34	0.026	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
2-Nitrophenol	0.34	U	0.34	0.034	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.051	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
3-Nitroaniline	0.34	U	0.34	0.081	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
4,6-Dinitro-2-methylphenol	0.27	U *	0.27	0.14	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
4-Bromophenyl phenyl ether	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
4-Chloro-3-methylphenol	0.34	U	0.34	0.019	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
4-Chloroaniline	0.34	U	0.34	0.060	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
4-Chlorophenyl phenyl ether	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
4-Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
4-Nitroaniline	0.34	U	0.34	0.086	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
4-Nitrophenol	0.69	U	0.69	0.055	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Acenaphthene	0.34	U	0.34	0.0097	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Acenaphthylene	0.34	U	0.34	0.0097	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Acetophenone	0.34	U	0.34	0.017	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Anthracene	0.34	U	0.34	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Atrazine	0.14	U	0.14	0.020	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Benzaldehyde	0.34	U	0.34	0.056	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Benzo[a]anthracene	0.034	U	0.034	0.026	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Benzo[a]pyrene	0.034	U	0.034	0.0091	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Benzo[b]fluoranthene	0.034	U	0.034	0.0088	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Benzo[g,h,i]perylene	0.34	U	0.34	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Benzo[k]fluoranthene	0.034	U	0.034	0.0067	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1

Client Sample ID: SB-3(14-15)
Date Collected: 06/05/25 10:55
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-7
Matrix: Solid
Percent Solids: 97.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	0.34	U	0.34	0.063	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Bis(2-chloroethyl)ether	0.034	U	0.034	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Bis(2-ethylhexyl) phthalate	0.34	U	0.34	0.018	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Butyl benzyl phthalate	0.34	U	0.34	0.016	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Caprolactam	0.34	U	0.34	0.053	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Carbazole	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Chrysene	0.34	U	0.34	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Dibenz(a,h)anthracene	0.034	U	0.034	0.015	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Dibenzofuran	0.34	U	0.34	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Diethyl phthalate	0.34	U	0.34	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Dimethyl phthalate	0.34	U	0.34	0.077	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Di-n-butyl phthalate	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Di-n-octyl phthalate	0.34	U	0.34	0.018	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Fluoranthene	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Fluorene	0.34	U	0.34	0.0099	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Hexachlorobutadiene	0.069	U	0.069	0.0072	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Hexachlorocyclopentadiene	0.34	U	0.34	0.030	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Hexachloroethane	0.034	U	0.034	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Indeno[1,2,3-cd]pyrene	0.034	U	0.034	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Isophorone	0.14	U	0.14	0.098	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Naphthalene	0.34	U	0.34	0.0059	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Nitrobenzene	0.034	U	0.034	0.019	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
N-Nitrosodi-n-propylamine	0.034	U	0.034	0.025	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
N-Nitrosodiphenylamine	0.34	U	0.34	0.028	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Pentachlorophenol	0.27	U	0.27	0.070	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Phenanthrene	0.34	U	0.34	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Phenol	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1
Pyrene	0.34	U	0.34	0.0085	mg/Kg	☼	06/07/25 09:51	06/08/25 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*18 - 137*	*06/07/25 09:51*	*06/08/25 17:42*	*1*
2-Fluorobiphenyl	*69*		*33 - 117*	*06/07/25 09:51*	*06/08/25 17:42*	*1*
2-Fluorophenol (Surr)	*72*		*24 - 120*	*06/07/25 09:51*	*06/08/25 17:42*	*1*
Nitrobenzene-d5 (Surr)	*62*		*27 - 120*	*06/07/25 09:51*	*06/08/25 17:42*	*1*
Phenol-d5 (Surr)	*67*		*28 - 118*	*06/07/25 09:51*	*06/08/25 17:42*	*1*
Terphenyl-d14 (Surr)	*71*		*33 - 124*	*06/07/25 09:51*	*06/08/25 17:42*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0069	U	0.0069	0.0012	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1
4,4'-DDE	0.0069	U	0.0069	0.00081	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1
4,4'-DDT	0.0069	U	0.0069	0.0013	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1
Aldrin	0.0069	U	0.0069	0.0010	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1
alpha-BHC	0.0021	U	0.0021	0.00070	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1
beta-BHC	0.0021	U	0.0021	0.00077	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1
Chlordane (technical)	0.069	U	0.069	0.017	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1
delta-BHC	0.0021	U	0.0021	0.00042	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1
Dieldrin	0.0021	U	0.0021	0.00090	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1
Endosulfan I	0.0069	U	0.0069	0.0010	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1

Client Sample ID: SB-3(14-15)

Date Collected: 06/05/25 10:55
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-7

Matrix: Solid
Percent Solids: 97.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0069	U	0.0069	0.0018	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1
Endosulfan sulfate	0.0069	U	0.0069	0.00086	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1
Endrin	0.0069	U	0.0069	0.00099	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1
Endrin aldehyde	0.0069	U	0.0069	0.0016	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1
Endrin ketone	0.0069	U	0.0069	0.0013	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00064	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1
Heptachlor	0.0069	U	0.0069	0.00081	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1
Heptachlor epoxide	0.0069	U	0.0069	0.0010	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1
Methoxychlor	0.0069	U	0.0069	0.0016	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1
Toxaphene	0.069	U	0.069	0.025	mg/Kg	☼	06/07/25 18:43	06/09/25 10:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*10 - 150*	*06/07/25 18:43*	*06/09/25 10:27*	*1*
DCB Decachlorobiphenyl	*98*		*10 - 150*	*06/07/25 18:43*	*06/09/25 10:27*	*1*
Tetrachloro-m-xylene	*52*		*14 - 150*	*06/07/25 18:43*	*06/09/25 10:27*	*1*
Tetrachloro-m-xylene	*55*		*14 - 150*	*06/07/25 18:43*	*06/09/25 10:27*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:04	1
Aroclor 1221	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:04	1
Aroclor 1232	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:04	1
Aroclor 1242	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:04	1
Aroclor 1248	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:04	1
Aroclor 1254	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:04	1
Aroclor 1260	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:04	1
Aroclor-1262	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:04	1
Aroclor 1268	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:04	1
Polychlorinated biphenyls, Total	0.069	U	0.069	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*107*		*10 - 150*	*06/07/25 18:41*	*06/08/25 14:04*	*1*
DCB Decachlorobiphenyl	*109*		*10 - 150*	*06/07/25 18:41*	*06/08/25 14:04*	*1*
Tetrachloro-m-xylene	*62*		*10 - 150*	*06/07/25 18:41*	*06/08/25 14:04*	*1*
Tetrachloro-m-xylene	*64*		*10 - 150*	*06/07/25 18:41*	*06/08/25 14:04*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4340**		15.7	4.3	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Antimony	0.79	U	0.79	0.11	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Arsenic	**0.84**		0.79	0.081	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Barium	**27.8**		1.6	0.11	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Beryllium	**0.18**	**J**	0.31	0.017	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Cadmium	0.79	U	0.79	0.089	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Calcium	**617**		78.5	7.6	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Chromium	**10.8**		1.6	0.23	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Cobalt	**3.4**		1.6	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Copper	**11.9**		1.6	0.29	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Iron	**8750**		47.1	6.0	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Lead	**3.3**		0.47	0.16	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1

Client Sample ID: SB-3(14-15)

Date Collected: 06/05/25 10:55
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-7
Matrix: Solid
Percent Solids: 97.2

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2010		78.5	8.0	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Manganese	137		3.1	0.32	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Nickel	7.1		1.6	0.14	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Potassium	618		78.5	12.7	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Selenium	0.98	U	0.98	0.10	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Silver	0.31	U	0.31	0.070	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Sodium	61.4	J	78.5	35.9	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Thallium	0.065	J	0.31	0.032	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Vanadium	12.7		1.6	0.16	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1
Zinc	26.5		6.3	0.86	mg/Kg	☼	06/13/25 16:25	06/14/25 03:57	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0081	mg/Kg	☼	06/11/25 01:10	06/11/25 06:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	2.8		1.0	1.0	%			06/08/25 14:58	1
Percent Solids (EPA Moisture)	97.2		1.0	1.0	%			06/08/25 14:58	1

Client Sample ID: SB-4(5-7)

Date Collected: 06/05/25 12:10
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-8
Matrix: Solid
Percent Solids: 89.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00056	U	0.00056	0.00013	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
1,1,2,2-Tetrachloroethane	0.00056	U	0.00056	0.00029	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00056	U	0.00056	0.00017	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
1,1,2-Trichloroethane	0.00056	U	0.00056	0.00034	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
1,1-Dichloroethane	0.00056	U	0.00056	0.00033	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
1,1-Dichloroethene	0.00056	U	0.00056	0.00013	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
1,2,3-Trichlorobenzene	0.00056	U	0.00056	0.00041	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
1,2,4-Trichlorobenzene	0.00056	U	0.00056	0.00020	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
1,2-Dibromo-3-Chloropropane	0.00056	U	0.00056	0.00026	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
1,2-Dichlorobenzene	0.00056	U	0.00056	0.00020	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
1,2-Dichloroethane	0.00056	U	0.00056	0.00017	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
1,2-Dichloropropane	0.00056	U	0.00056	0.00024	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
1,3-Dichlorobenzene	0.00056	U	0.00056	0.00020	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
1,4-Dichlorobenzene	0.00056	U	0.00056	0.00029	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
2-Butanone (MEK)	0.0028	U	0.0028	0.00021	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
2-Hexanone	0.0028	U	0.0028	0.00096	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
4-Methyl-2-pentanone (MIBK)	0.0028	U	0.0028	0.00087	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Acetone	0.0034	U	0.0034	0.0032	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Benzene	0.00056	U	0.00056	0.00032	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Bromoform	0.00056	U	0.00056	0.00024	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Bromomethane	0.0011	U	0.0011	0.00056	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Carbon disulfide	0.00056	U	0.00056	0.00015	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Carbon tetrachloride	0.00056	U	0.00056	0.00022	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Chlorobenzene	0.00056	U	0.00056	0.00028	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Client Sample ID: SB-4(5-7)
Date Collected: 06/05/25 12:10
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-8
Matrix: Solid
Percent Solids: 89.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.00056	U	0.00056	0.00033	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Chlorodibromomethane	0.00056	U	0.00056	0.00030	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Chloroethane	0.00056	U	0.00056	0.00029	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Chloroform	0.00056	U	0.00056	0.00054	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Chloromethane	0.00056	U	0.00056	0.00024	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
cis-1,2-Dichloroethene	0.00056	U	0.00056	0.00020	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
cis-1,3-Dichloropropene	0.00056	U	0.00056	0.00015	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Cyclohexane	0.00056	U	0.00056	0.00012	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Dichlorobromomethane	0.00056	U	0.00056	0.00014	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Dichlorodifluoromethane	0.00056	U	0.00056	0.00019	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Ethylbenzene	0.00056	U	0.00056	0.00026	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Ethylene Dibromide	0.00056	U	0.00056	0.00028	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Isopropylbenzene	0.00056	U	0.00056	0.00016	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Methyl acetate	0.0028	U	0.0028	0.0024	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Methyl tert-butyl ether	0.00056	U	0.00056	0.00029	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Methylcyclohexane	0.00056	U	0.00056	0.00028	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Methylene Chloride	0.0011	U	0.0011	0.00064	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
m-Xylene & p-Xylene	0.00056	U	0.00056	0.00024	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
o-Xylene	0.00056	U	0.00056	0.00026	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Styrene	0.00056	U	0.00056	0.00016	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Tetrachloroethene	**0.0017**		0.00056	0.00017	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Toluene	0.00056	U	0.00056	0.00013	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
trans-1,2-Dichloroethene	0.00056	U	0.00056	0.00014	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
trans-1,3-Dichloropropene	0.00056	U	0.00056	0.00015	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Trichloroethene	0.00056	U	0.00056	0.00018	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Trichlorofluoromethane	0.00056	U	0.00056	0.00023	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1
Vinyl chloride	0.00056	U	0.00056	0.00031	mg/Kg	☼	06/10/25 07:41	06/13/25 10:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*	*06/10/25 07:41*	*06/13/25 10:42*	*1*
4-Bromofluorobenzene	*77*		*71 - 128*	*06/10/25 07:41*	*06/13/25 10:42*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*	*06/10/25 07:41*	*06/13/25 10:42*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*06/10/25 07:41*	*06/13/25 10:42*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
2-Chloronaphthalene	0.37	U	0.37	0.048	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Client Sample ID: SB-4(5-7)
Date Collected: 06/05/25 12:10
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-8
Matrix: Solid
Percent Solids: 89.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**0.019**	**J**	0.37	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
3-Nitroaniline	0.37	U	0.37	0.088	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
4,6-Dinitro-2-methylphenol	0.30	U *	0.30	0.15	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
4-Nitroaniline	0.37	U	0.37	0.094	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
4-Nitrophenol	0.75	U	0.75	0.061	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Acenaphthene	**0.063**	**J**	0.37	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Acenaphthylene	**0.012**	**J**	0.37	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Anthracene	**0.25**	**J**	0.37	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Benzaldehyde	0.37	U	0.37	0.061	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Benzo[a]anthracene	**1.0**		0.037	0.028	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Benzo[a]pyrene	**0.86**		0.037	0.0099	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Benzo[b]fluoranthene	**1.4**		0.037	0.0096	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Benzo[g,h,i]perylene	**0.59**		0.37	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Benzo[k]fluoranthene	**0.43**		0.037	0.0073	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.069	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.020	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Caprolactam	0.37	U	0.37	0.058	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Carbazole	**0.10**	**J**	0.37	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Chrysene	**0.99**		0.37	0.016	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Dibenz(a,h)anthracene	**0.16**		0.037	0.016	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Dibenzofuran	**0.048**	**J**	0.37	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Fluoranthene	**2.3**		0.37	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Fluorene	**0.058**	**J**	0.37	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Hexachlorobutadiene	0.075	U	0.075	0.0079	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Indeno[1,2,3-cd]pyrene	**0.68**		0.037	0.015	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Naphthalene	**0.061**	**J**	0.37	0.0064	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Nitrobenzene	0.037	U	0.037	0.021	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1

Client Sample ID: SB-4(5-7)
Date Collected: 06/05/25 12:10
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-8
Matrix: Solid
Percent Solids: 89.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Phenanthrene	**1.0**		0.37	0.015	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1
Pyrene	**1.5**		0.37	0.0092	mg/Kg	☼	06/07/25 09:51	06/08/25 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*18 - 137*	*06/07/25 09:51*	*06/08/25 18:00*	*1*
2-Fluorobiphenyl	*66*		*33 - 117*	*06/07/25 09:51*	*06/08/25 18:00*	*1*
2-Fluorophenol (Surr)	*67*		*24 - 120*	*06/07/25 09:51*	*06/08/25 18:00*	*1*
Nitrobenzene-d5 (Surr)	*59*		*27 - 120*	*06/07/25 09:51*	*06/08/25 18:00*	*1*
Phenol-d5 (Surr)	*63*		*28 - 118*	*06/07/25 09:51*	*06/08/25 18:00*	*1*
Terphenyl-d14 (Surr)	*68*		*33 - 124*	*06/07/25 09:51*	*06/08/25 18:00*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
4,4'-DDE	0.0075	U	0.0075	0.00089	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
4,4'-DDT	**0.0071**	**J**	0.0075	0.0014	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
Dieldrin	0.0022	U	0.0022	0.00098	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
Endrin ketone	0.0075	U	0.0075	0.0015	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00070	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
Heptachlor	0.0075	U	0.0075	0.00089	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	06/07/25 18:43	06/09/25 10:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*119*		*10 - 150*	*06/07/25 18:43*	*06/09/25 10:40*	*1*
DCB Decachlorobiphenyl	*98*		*10 - 150*	*06/07/25 18:43*	*06/09/25 10:40*	*1*
Tetrachloro-m-xylene	*48*		*14 - 150*	*06/07/25 18:43*	*06/09/25 10:40*	*1*
Tetrachloro-m-xylene	*52*		*14 - 150*	*06/07/25 18:43*	*06/09/25 10:40*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 14:21	1
Aroclor 1221	0.075	U	0.075	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 14:21	1
Aroclor 1232	0.075	U	0.075	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 14:21	1
Aroclor 1242	0.075	U	0.075	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 14:21	1
Aroclor 1248	0.075	U	0.075	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 14:21	1

Client Sample ID: SB-4(5-7)
Date Collected: 06/05/25 12:10
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-8
Matrix: Solid
Percent Solids: 89.0

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1254	0.075	U	0.075	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 14:21	1
Aroclor 1260	0.075	U	0.075	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 14:21	1
Aroclor-1262	0.075	U	0.075	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 14:21	1
Aroclor 1268	0.075	U	0.075	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 14:21	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.020	mg/Kg	☼	06/07/25 18:41	06/08/25 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*143*		*10 - 150*	*06/07/25 18:41*	*06/08/25 14:21*	*1*
DCB Decachlorobiphenyl	*158*	*	*10 - 150*	*06/07/25 18:41*	*06/08/25 14:21*	*1*
Tetrachloro-m-xylene	*69*		*10 - 150*	*06/07/25 18:41*	*06/08/25 14:21*	*1*
Tetrachloro-m-xylene	*73*		*10 - 150*	*06/07/25 18:41*	*06/08/25 14:21*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15500**		18.1	5.0	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Antimony	**0.42**	**J**	0.91	0.13	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Arsenic	**4.7**		0.91	0.093	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Barium	**59.4**		1.8	0.13	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Beryllium	**0.51**		0.36	0.020	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Cadmium	**0.28**	**J**	0.91	0.10	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Calcium	**2510**		90.7	8.8	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Chromium	**27.3**		1.8	0.27	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Cobalt	**8.5**		1.8	0.13	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Copper	**19.8**		1.8	0.33	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Iron	**21800**		54.4	6.9	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Lead	**85.0**		0.54	0.18	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Magnesium	**2500**		90.7	9.2	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Manganese	**492**		3.6	0.37	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Nickel	**15.5**		1.8	0.16	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Potassium	**925**		90.7	14.7	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Selenium	**0.43**	**J**	1.1	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Silver	0.36	U	0.36	0.081	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Sodium	**134**		90.7	41.4	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Thallium	**0.14**	**J**	0.36	0.037	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Vanadium	**33.0**		1.8	0.19	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1
Zinc	**76.5**		7.3	0.99	mg/Kg	☼	06/13/25 16:25	06/14/25 04:00	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.057**		0.018	0.0086	mg/Kg	☼	06/11/25 01:10	06/11/25 06:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.0**		1.0	1.0	%			06/08/25 14:58	1
Percent Solids (EPA Moisture)	**89.0**		1.0	1.0	%			06/08/25 14:58	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Client Sample ID: SB-4(14-15)
Date Collected: 06/05/25 12:20
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-9
Matrix: Solid
Percent Solids: 98.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00069	U	0.00069	0.00016	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
1,1,2,2-Tetrachloroethane	0.00069	U	0.00069	0.00036	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00069	U	0.00069	0.00021	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
1,1,2-Trichloroethane	0.00069	U	0.00069	0.00042	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
1,1-Dichloroethane	0.00069	U	0.00069	0.00041	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
1,1-Dichloroethene	0.00069	U	0.00069	0.00016	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
1,2,3-Trichlorobenzene	0.00069	U	0.00069	0.00051	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
1,2,4-Trichlorobenzene	0.00069	U	0.00069	0.00025	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
1,2-Dibromo-3-Chloropropane	0.00069	U	0.00069	0.00032	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
1,2-Dichlorobenzene	0.00069	U	0.00069	0.00025	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
1,2-Dichloroethane	0.00069	U	0.00069	0.00020	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
1,2-Dichloropropane	0.00069	U	0.00069	0.00029	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
1,3-Dichlorobenzene	0.00069	U	0.00069	0.00025	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
1,4-Dichlorobenzene	0.00069	U	0.00069	0.00036	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
2-Butanone (MEK)	0.0035	U	0.0035	0.00025	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
2-Hexanone	0.0035	U	0.0035	0.0012	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
4-Methyl-2-pentanone (MIBK)	0.0035	U	0.0035	0.0011	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Acetone	0.0041	U	0.0041	0.0039	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Benzene	0.00069	U	0.00069	0.00039	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Bromoform	0.00069	U	0.00069	0.00029	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Bromomethane	0.0014	U	0.0014	0.00069	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Carbon disulfide	0.00069	U	0.00069	0.00018	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Carbon tetrachloride	0.00069	U	0.00069	0.00027	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Chlorobenzene	0.00069	U	0.00069	0.00035	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Chlorobromomethane	0.00069	U	0.00069	0.00041	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Chlorodibromomethane	0.00069	U	0.00069	0.00037	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Chloroethane	0.00069	U	0.00069	0.00036	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Chloroform	0.00069	U	0.00069	0.00067	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Chloromethane	0.00069	U	0.00069	0.00030	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
cis-1,2-Dichloroethene	0.00069	U	0.00069	0.00025	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
cis-1,3-Dichloropropene	0.00069	U	0.00069	0.00019	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Cyclohexane	0.00069	U	0.00069	0.00015	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Dichlorobromomethane	0.00069	U	0.00069	0.00018	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Dichlorodifluoromethane	0.00069	U	0.00069	0.00023	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Ethylbenzene	0.00069	U	0.00069	0.00032	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Ethylene Dibromide	0.00069	U	0.00069	0.00035	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Isopropylbenzene	0.00069	U	0.00069	0.00020	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Methyl acetate	0.0035	U	0.0035	0.0030	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Methyl tert-butyl ether	0.00069	U	0.00069	0.00035	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Methylcyclohexane	0.00069	U	0.00069	0.00034	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Methylene Chloride	0.0014	U	0.0014	0.00079	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
m-Xylene & p-Xylene	0.00069	U	0.00069	0.00029	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
o-Xylene	0.00069	U	0.00069	0.00032	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Styrene	0.00069	U	0.00069	0.00019	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Tetrachloroethene	0.00069	U	0.00069	0.00021	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Toluene	0.00069	U	0.00069	0.00016	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
trans-1,2-Dichloroethene	0.00069	U	0.00069	0.00017	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
trans-1,3-Dichloropropene	0.00069	U	0.00069	0.00018	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Trichloroethene	0.00069	U	0.00069	0.00022	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Client Sample ID: SB-4(14-15)
Date Collected: 06/05/25 12:20
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-9
Matrix: Solid
Percent Solids: 98.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.00069	U	0.00069	0.00028	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1
Vinyl chloride	0.00069	U	0.00069	0.00038	mg/Kg	☼	06/10/25 07:42	06/13/25 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*65 - 138*	*06/10/25 07:42*	*06/13/25 11:07*	*1*
4-Bromofluorobenzene	*87*		*71 - 128*	*06/10/25 07:42*	*06/13/25 11:07*	*1*
Dibromofluoromethane (Surr)	*120*		*50 - 150*	*06/10/25 07:42*	*06/13/25 11:07*	*1*
Toluene-d8 (Surr)	*103*		*71 - 126*	*06/10/25 07:42*	*06/13/25 11:07*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
1,2,4,5-Tetrachlorobenzene	0.34	U	0.34	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
1,4-Dioxane	0.034	U	0.034	0.029	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
2,2'-oxybis[1-chloropropane]	0.34	U	0.34	0.020	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
2,3,4,6-Tetrachlorophenol	0.34	U	0.34	0.023	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
2,4,5-Trichlorophenol	0.34	U	0.34	0.034	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.043	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
2,4-Dimethylphenol	0.34	U	0.34	0.040	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
2,4-Dinitrophenol	0.27	U	0.27	0.17	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
2,4-Dinitrotoluene	0.068	U	0.068	0.036	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
2,6-Dinitrotoluene	0.068	U	0.068	0.024	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
2-Chloronaphthalene	0.34	U	0.34	0.043	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
2-Chlorophenol	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
2-Methylnaphthalene	0.34	U	0.34	0.0094	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
2-Nitroaniline	0.34	U	0.34	0.026	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
2-Nitrophenol	0.34	U	0.34	0.034	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.051	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
3-Nitroaniline	0.34	U	0.34	0.080	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
4,6-Dinitro-2-methylphenol	0.27	U *	0.27	0.14	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
4-Bromophenyl phenyl ether	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
4-Chloro-3-methylphenol	0.34	U	0.34	0.019	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
4-Chloroaniline	0.34	U	0.34	0.060	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
4-Chlorophenyl phenyl ether	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
4-Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
4-Nitroaniline	0.34	U	0.34	0.086	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
4-Nitrophenol	0.68	U	0.68	0.055	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Acenaphthene	0.34	U	0.34	0.0096	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Acenaphthylene	0.34	U	0.34	0.0097	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Acetophenone	0.34	U	0.34	0.017	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Anthracene	0.34	U	0.34	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Atrazine	0.14	U	0.14	0.020	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Benzaldehyde	0.34	U	0.34	0.056	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Benzo[a]anthracene	0.034	U	0.034	0.025	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Benzo[a]pyrene	0.034	U	0.034	0.0090	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Benzo[b]fluoranthene	0.034	U	0.034	0.0087	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Benzo[g,h,i]perylene	0.34	U	0.34	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Benzo[k]fluoranthene	0.034	U	0.034	0.0066	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1

Client Sample ID: SB-4(14-15)
Date Collected: 06/05/25 12:20
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-9
Matrix: Solid
Percent Solids: 98.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	0.34	U	0.34	0.062	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Bis(2-chloroethyl)ether	0.034	U	0.034	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Bis(2-ethylhexyl) phthalate	0.34	U	0.34	0.018	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Butyl benzyl phthalate	0.34	U	0.34	0.016	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Caprolactam	0.34	U	0.34	0.053	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Carbazole	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Chrysene	0.34	U	0.34	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Dibenz(a,h)anthracene	0.034	U	0.034	0.015	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Dibenzofuran	0.34	U	0.34	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Diethyl phthalate	0.34	U	0.34	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Dimethyl phthalate	0.34	U	0.34	0.077	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Di-n-butyl phthalate	0.34	U	0.34	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Di-n-octyl phthalate	0.34	U	0.34	0.018	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Fluoranthene	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Fluorene	0.34	U	0.34	0.0099	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Hexachlorobutadiene	0.068	U	0.068	0.0072	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Hexachlorocyclopentadiene	0.34	U	0.34	0.030	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Hexachloroethane	0.034	U	0.034	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Indeno[1,2,3-cd]pyrene	0.034	U	0.034	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Isophorone	0.14	U	0.14	0.098	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Naphthalene	0.34	U	0.34	0.0058	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Nitrobenzene	0.034	U	0.034	0.019	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
N-Nitrosodi-n-propylamine	0.034	U	0.034	0.025	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
N-Nitrosodiphenylamine	0.34	U	0.34	0.028	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Pentachlorophenol	0.27	U	0.27	0.069	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Phenanthrene	0.34	U	0.34	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Phenol	0.34	U	0.34	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1
Pyrene	0.34	U	0.34	0.0084	mg/Kg	☼	06/07/25 09:51	06/08/25 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*18 - 137*	*06/07/25 09:51*	*06/08/25 18:17*	*1*
2-Fluorobiphenyl	*62*		*33 - 117*	*06/07/25 09:51*	*06/08/25 18:17*	*1*
2-Fluorophenol (Surr)	*64*		*24 - 120*	*06/07/25 09:51*	*06/08/25 18:17*	*1*
Nitrobenzene-d5 (Surr)	*56*		*27 - 120*	*06/07/25 09:51*	*06/08/25 18:17*	*1*
Phenol-d5 (Surr)	*60*		*28 - 118*	*06/07/25 09:51*	*06/08/25 18:17*	*1*
Terphenyl-d14 (Surr)	*65*		*33 - 124*	*06/07/25 09:51*	*06/08/25 18:17*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0068	U	0.0068	0.0012	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1
4,4'-DDE	0.0068	U	0.0068	0.00081	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1
4,4'-DDT	0.0068	U	0.0068	0.0013	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1
Aldrin	0.0068	U	0.0068	0.0010	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1
alpha-BHC	0.0020	U	0.0020	0.00069	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1
beta-BHC	0.0020	U	0.0020	0.00077	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1
Chlordane (technical)	0.068	U	0.068	0.017	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1
delta-BHC	0.0020	U	0.0020	0.00042	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1
Dieldrin	0.0020	U	0.0020	0.00089	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1
Endosulfan I	0.0068	U	0.0068	0.0010	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1

Client Sample ID: SB-4(14-15)
Date Collected: 06/05/25 12:20
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-9
Matrix: Solid
Percent Solids: 98.0

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0068	U	0.0068	0.0018	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1
Endosulfan sulfate	0.0068	U	0.0068	0.00086	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1
Endrin	0.0068	U	0.0068	0.00098	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1
Endrin aldehyde	0.0068	U	0.0068	0.0016	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1
Endrin ketone	0.0068	U	0.0068	0.0013	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00063	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1
Heptachlor	0.0068	U	0.0068	0.00081	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1
Heptachlor epoxide	0.0068	U	0.0068	0.0010	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1
Methoxychlor	0.0068	U	0.0068	0.0016	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1
Toxaphene	0.068	U	0.068	0.025	mg/Kg	☼	06/07/25 18:43	06/09/25 11:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*10 - 150*	*06/07/25 18:43*	*06/09/25 11:06*	*1*
DCB Decachlorobiphenyl	*85*		*10 - 150*	*06/07/25 18:43*	*06/09/25 11:06*	*1*
Tetrachloro-m-xylene	*40*		*14 - 150*	*06/07/25 18:43*	*06/09/25 11:06*	*1*
Tetrachloro-m-xylene	*43*		*14 - 150*	*06/07/25 18:43*	*06/09/25 11:06*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:54	1
Aroclor 1221	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:54	1
Aroclor 1232	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:54	1
Aroclor 1242	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:54	1
Aroclor 1248	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:54	1
Aroclor 1254	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:54	1
Aroclor 1260	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:54	1
Aroclor-1262	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:54	1
Aroclor 1268	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:54	1
Polychlorinated biphenyls, Total	0.068	U	0.068	0.018	mg/Kg	☼	06/07/25 18:41	06/08/25 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*108*		*10 - 150*	*06/07/25 18:41*	*06/08/25 14:54*	*1*
DCB Decachlorobiphenyl	*112*		*10 - 150*	*06/07/25 18:41*	*06/08/25 14:54*	*1*
Tetrachloro-m-xylene	*51*		*10 - 150*	*06/07/25 18:41*	*06/08/25 14:54*	*1*
Tetrachloro-m-xylene	*54*		*10 - 150*	*06/07/25 18:41*	*06/08/25 14:54*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3090**		16.2	4.4	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Antimony	0.81	U	0.81	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Arsenic	**0.80**	**J**	0.81	0.083	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Barium	**14.9**		1.6	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Beryllium	**0.14**	**J**	0.32	0.018	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Cadmium	0.81	U	0.81	0.091	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Calcium	**770**		81.0	7.9	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Chromium	**8.1**		1.6	0.24	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Cobalt	**3.8**		1.6	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Copper	**8.1**		1.6	0.30	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Iron	**7300**		48.6	6.2	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Lead	**2.1**		0.49	0.16	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1

Client Sample ID: SB-4(14-15)

Date Collected: 06/05/25 12:20
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-9

Matrix: Solid
Percent Solids: 98.0

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**1650**		81.0	8.3	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Manganese	**169**		3.2	0.33	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Nickel	**6.8**		1.6	0.14	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Potassium	**577**		81.0	13.1	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Selenium	1.0	U	1.0	0.10	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Silver	0.32	U	0.32	0.072	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Sodium	**100**		81.0	37.0	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Thallium	**0.046**	**J**	0.32	0.033	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Vanadium	**10.1**		1.6	0.17	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1
Zinc	**15.7**		6.5	0.88	mg/Kg	☼	06/13/25 16:25	06/14/25 04:03	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	U	0.016	0.0074	mg/Kg	☼	06/11/25 01:10	06/11/25 06:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.0**		1.0	1.0	%			06/08/25 14:58	1
Percent Solids (EPA Moisture)	**98.0**		1.0	1.0	%			06/08/25 14:58	1

Client Sample ID: SB-4(21-22)

Date Collected: 06/05/25 12:30
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-10

Matrix: Solid
Percent Solids: 92.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00071	U	0.00071	0.00017	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
1,1,2,2-Tetrachloroethane	0.00071	U	0.00071	0.00037	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00071	U	0.00071	0.00021	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
1,1,2-Trichloroethane	0.00071	U	0.00071	0.00043	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
1,1-Dichloroethane	0.00071	U	0.00071	0.00042	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
1,1-Dichloroethene	0.00071	U	0.00071	0.00016	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
1,2,3-Trichlorobenzene	0.00071	U	0.00071	0.00052	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
1,2,4-Trichlorobenzene	0.00071	U	0.00071	0.00025	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
1,2-Dibromo-3-Chloropropane	0.00071	U	0.00071	0.00033	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
1,2-Dichlorobenzene	0.00071	U	0.00071	0.00026	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
1,2-Dichloroethane	0.00071	U	0.00071	0.00021	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
1,2-Dichloropropane	0.00071	U	0.00071	0.00030	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
1,3-Dichlorobenzene	0.00071	U	0.00071	0.00026	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
1,4-Dichlorobenzene	0.00071	U	0.00071	0.00037	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
2-Butanone (MEK)	0.0036	U	0.0036	0.00026	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
2-Hexanone	0.0036	U	0.0036	0.0012	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
4-Methyl-2-pentanone (MIBK)	0.0036	U	0.0036	0.0011	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Acetone	0.0043	U	0.0043	0.0041	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Benzene	0.00071	U	0.00071	0.00040	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Bromoform	0.00071	U	0.00071	0.00030	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Bromomethane	0.0014	U	0.0014	0.00071	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Carbon disulfide	0.00071	U	0.00071	0.00019	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Carbon tetrachloride	0.00071	U	0.00071	0.00027	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Chlorobenzene	0.00071	U	0.00071	0.00036	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1

Client Sample ID: SB-4(21-22)
Date Collected: 06/05/25 12:30
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-10
Matrix: Solid
Percent Solids: 92.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.00071	U	0.00071	0.00042	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Chlorodibromomethane	0.00071	U	0.00071	0.00038	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Chloroethane	0.00071	U	0.00071	0.00037	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Chloroform	0.00071	U	0.00071	0.00069	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Chloromethane	0.00071	U	0.00071	0.00031	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
cis-1,2-Dichloroethene	0.00071	U	0.00071	0.00025	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
cis-1,3-Dichloropropene	0.00071	U	0.00071	0.00019	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Cyclohexane	0.00071	U	0.00071	0.00016	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Dichlorobromomethane	0.00071	U	0.00071	0.00018	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Dichlorodifluoromethane	0.00071	U	0.00071	0.00024	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Ethylbenzene	0.00071	U	0.00071	0.00033	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Ethylene Dibromide	0.00071	U	0.00071	0.00036	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Isopropylbenzene	0.00071	U	0.00071	0.00020	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Methyl acetate	0.0036	U	0.0036	0.0031	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Methyl tert-butyl ether	0.00071	U	0.00071	0.00036	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Methylcyclohexane	0.00071	U	0.00071	0.00035	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Methylene Chloride	0.0014	U	0.0014	0.00081	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
m-Xylene & p-Xylene	0.00071	U	0.00071	0.00030	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
o-Xylene	0.00071	U	0.00071	0.00033	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Styrene	0.00071	U	0.00071	0.00020	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Tetrachloroethene	0.00071	U	0.00071	0.00022	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Toluene	0.00071	U	0.00071	0.00017	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
trans-1,2-Dichloroethene	0.00071	U	0.00071	0.00017	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
trans-1,3-Dichloropropene	0.00071	U	0.00071	0.00019	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Trichloroethene	0.00071	U	0.00071	0.00023	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Trichlorofluoromethane	0.00071	U	0.00071	0.00029	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1
Vinyl chloride	0.00071	U	0.00071	0.00039	mg/Kg	☼	06/10/25 07:42	06/13/25 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*65 - 138*	*06/10/25 07:42*	*06/13/25 11:32*	*1*
4-Bromofluorobenzene	*79*		*71 - 128*	*06/10/25 07:42*	*06/13/25 11:32*	*1*
Dibromofluoromethane (Surr)	*114*		*50 - 150*	*06/10/25 07:42*	*06/13/25 11:32*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*	*06/10/25 07:42*	*06/13/25 11:32*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.021	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
2,4-Dinitrotoluene	0.073	U	0.073	0.039	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
2,6-Dinitrotoluene	0.073	U	0.073	0.026	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
2-Chloronaphthalene	0.36	U	0.36	0.046	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1

Client Sample ID: SB-4(21-22)
Date Collected: 06/05/25 12:30
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-10
Matrix: Solid
Percent Solids: 92.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
2-Nitroaniline	0.36	U	0.36	0.027	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
3-Nitroaniline	0.36	U	0.36	0.085	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
4,6-Dinitro-2-methylphenol	0.29	U *	0.29	0.15	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
4-Nitroaniline	0.36	U	0.36	0.091	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
4-Nitrophenol	0.73	U	0.73	0.058	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Benzaldehyde	0.36	U	0.36	0.059	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Benzo[a]pyrene	0.036	U	0.036	0.0095	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Benzo[b]fluoranthene	**0.013**	**J**	0.036	0.0093	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0070	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.066	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Dimethyl phthalate	0.36	U	0.36	0.081	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Di-n-butyl phthalate	0.36	U	0.36	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Fluoranthene	**0.020**	**J**	0.36	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Fluorene	0.36	U	0.36	0.010	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Hexachlorobutadiene	0.073	U	0.073	0.0076	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.031	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Indeno[1,2,3-cd]pyrene	**0.023**	**J**	0.036	0.014	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Naphthalene	0.36	U	0.36	0.0062	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1

Client Sample ID: SB-4(21-22)
Date Collected: 06/05/25 12:30
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-10
Matrix: Solid
Percent Solids: 92.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	0.36	U	0.36	0.029	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Phenanthrene	**0.016**	**J**	0.36	0.015	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1
Pyrene	**0.015**	**J**	0.36	0.0089	mg/Kg	☼	06/07/25 09:51	06/08/25 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*18 - 137*	*06/07/25 09:51*	*06/08/25 18:35*	*1*
2-Fluorobiphenyl	*71*		*33 - 117*	*06/07/25 09:51*	*06/08/25 18:35*	*1*
2-Fluorophenol (Surr)	*73*		*24 - 120*	*06/07/25 09:51*	*06/08/25 18:35*	*1*
Nitrobenzene-d5 (Surr)	*64*		*27 - 120*	*06/07/25 09:51*	*06/08/25 18:35*	*1*
Phenol-d5 (Surr)	*69*		*28 - 118*	*06/07/25 09:51*	*06/08/25 18:35*	*1*
Terphenyl-d14 (Surr)	*72*		*33 - 124*	*06/07/25 09:51*	*06/08/25 18:35*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.0073	0.0012	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
4,4'-DDE	0.0073	U	0.0073	0.00086	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
4,4'-DDT	0.0073	U	0.0073	0.0013	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
Aldrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
beta-BHC	0.0022	U	0.0022	0.00082	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
Chlordane (technical)	0.073	U	0.073	0.018	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
Dieldrin	0.0022	U	0.0022	0.00095	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
Endosulfan I	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
Endosulfan II	0.0073	U	0.0073	0.0019	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
Endosulfan sulfate	0.0073	U	0.0073	0.00091	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
Endrin	0.0073	U	0.0073	0.0010	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
Endrin aldehyde	0.0073	U	0.0073	0.0017	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
Endrin ketone	0.0073	U	0.0073	0.0014	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
Heptachlor	0.0073	U	0.0073	0.00086	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
Heptachlor epoxide	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
Methoxychlor	0.0073	U	0.0073	0.0017	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1
Toxaphene	0.073	U	0.073	0.026	mg/Kg	☼	06/07/25 18:43	06/09/25 10:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*10 - 150*	*06/07/25 18:43*	*06/09/25 10:53*	*1*
DCB Decachlorobiphenyl	*84*		*10 - 150*	*06/07/25 18:43*	*06/09/25 10:53*	*1*
Tetrachloro-m-xylene	*50*		*14 - 150*	*06/07/25 18:43*	*06/09/25 10:53*	*1*
Tetrachloro-m-xylene	*57*		*14 - 150*	*06/07/25 18:43*	*06/09/25 10:53*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.073	U	0.073	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 14:37	1
Aroclor 1221	0.073	U	0.073	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 14:37	1
Aroclor 1232	0.073	U	0.073	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 14:37	1
Aroclor 1242	0.073	U	0.073	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 14:37	1
Aroclor 1248	0.073	U	0.073	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 14:37	1

Client Sample ID: SB-4(21-22)
Date Collected: 06/05/25 12:30
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-10
Matrix: Solid
Percent Solids: 92.0

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1254	0.073	U	0.073	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 14:37	1
Aroclor 1260	0.073	U	0.073	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 14:37	1
Aroclor-1262	0.073	U	0.073	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 14:37	1
Aroclor 1268	0.073	U	0.073	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 14:37	1
Polychlorinated biphenyls, Total	0.073	U	0.073	0.019	mg/Kg	☼	06/07/25 18:41	06/08/25 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*111*		*10 - 150*	*06/07/25 18:41*	*06/08/25 14:37*	*1*
DCB Decachlorobiphenyl	*115*		*10 - 150*	*06/07/25 18:41*	*06/08/25 14:37*	*1*
Tetrachloro-m-xylene	*66*		*10 - 150*	*06/07/25 18:41*	*06/08/25 14:37*	*1*
Tetrachloro-m-xylene	*69*		*10 - 150*	*06/07/25 18:41*	*06/08/25 14:37*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6280**		16.6	4.6	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Antimony	0.83	U	0.83	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Arsenic	**1.8**		0.83	0.086	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Barium	**34.3**		1.7	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Beryllium	**0.26**	**J**	0.33	0.018	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Cadmium	0.83	U	0.83	0.094	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Calcium	**11400**		83.0	8.1	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Chromium	**18.9**		1.7	0.25	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Cobalt	**4.7**		1.7	0.12	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Copper	**14.5**		1.7	0.31	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Iron	**12900**		49.8	6.4	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Lead	**9.0**		0.50	0.17	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Magnesium	**3140**		83.0	8.5	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Manganese	**204**		3.3	0.33	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Nickel	**11.3**		1.7	0.15	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Potassium	**1100**		83.0	13.4	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Selenium	1.0	U	1.0	0.11	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Silver	0.33	U	0.33	0.074	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Sodium	**127**		83.0	37.9	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Thallium	**0.090**	**J**	0.33	0.034	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Vanadium	**20.2**		1.7	0.17	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1
Zinc	**35.2**		6.6	0.90	mg/Kg	☼	06/13/25 16:25	06/14/25 04:06	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	U	0.018	0.0087	mg/Kg	☼	06/11/25 01:10	06/11/25 06:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.0**		1.0	1.0	%			06/08/25 14:58	1
Percent Solids (EPA Moisture)	**92.0**		1.0	1.0	%			06/08/25 14:58	1

Surrogate Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-327695-1	SB-1(5-7)	113	108	114	92
460-327695-2	SB-1(14-15)	122	115	126	104
460-327695-3	SB-2(5-7)	121	117	119	101
460-327695-4	SB-2(14-15)	113	110	111	93
460-327695-5	SB-2(21-22)	109	82	81	96
460-327695-6	SB-3(5-7)	113	79	113	96
460-327695-7	SB-3(14-15)	112	84	116	97
460-327695-8	SB-4(5-7)	105	77	106	92
460-327695-9	SB-4(14-15)	117	87	120	103
460-327695-10	SB-4(21-22)	112	79	114	95
LCS 460-1043167/2	Lab Control Sample	109	112	111	102
LCS 460-1043273/3	Lab Control Sample	91	78	97	94
LCSD 460-1043167/3	Lab Control Sample Dup	104	113	108	97
LCSD 460-1043273/4	Lab Control Sample Dup	103	84	108	105
MB 460-1043167/7	Method Blank	112	118	115	102
MB 460-1043273/6	Method Blank	102	84	110	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(18-137)	(33-117)	(24-120)	(27-120)	(28-118)	(33-124)
460-327594-B-1-A MS	Matrix Spike	71	61	62	54	59	58
460-327594-B-1-B MSD	Matrix Spike Duplicate	114	80	57	61	59	94
460-327695-1	SB-1(5-7)	71	59	62	54	59	65
460-327695-2	SB-1(14-15)	76	64	68	59	63	71
460-327695-3	SB-2(5-7)	72	63	66	59	63	67
460-327695-4	SB-2(14-15)	80	72	74	67	70	74
460-327695-5	SB-2(21-22)	80	71	75	64	70	75
460-327695-6	SB-3(5-7)	56	44	46	40	44	56
460-327695-7	SB-3(14-15)	80	69	72	62	67	71
460-327695-8	SB-4(5-7)	78	66	67	59	63	68
460-327695-9	SB-4(14-15)	71	62	64	56	60	65
460-327695-10	SB-4(21-22)	79	71	73	64	69	72
LCS 460-1042128/2-A	Lab Control Sample	80	70	70	63	69	66
LCSD 460-1042128/3-A	Lab Control Sample Dup	104	90	87	80	87	85
MB 460-1042128/1-A	Method Blank	81	73	74	67	71	69

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)

Surrogate Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (14-150)	TCX2 (14-150)
460-327695-1	SB-1(5-7)	85	79	60	58
460-327695-1 MS	SB-1(5-7)	116	93	68	61
460-327695-1 MSD	SB-1(5-7)	80	76	56	50
460-327695-2	SB-1(14-15)	95	92	62	60
460-327695-3	SB-2(5-7)	96	87	58	55
460-327695-4	SB-2(14-15)	96	93	58	55
460-327695-5	SB-2(21-22)	99	93	76	73
460-327695-6	SB-3(5-7)	100	96	55	52
460-327695-7	SB-3(14-15)	98	88	55	52
460-327695-8	SB-4(5-7)	98	119	52	48
460-327695-9	SB-4(14-15)	85	81	43	40
460-327695-10	SB-4(21-22)	84	83	57	50
LCS 460-1042171/2-A	Lab Control Sample	114	105	99	95
LCSD 460-1042171/3-A	Lab Control Sample Dup	107	97	91	86
MB 460-1042171/1-A	Method Blank	108	103	94	91

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (10-150)	TCX2 (10-150)
460-327695-1	SB-1(5-7)	83	75	56	49
460-327695-1 MS	SB-1(5-7)	91	83	53	46
460-327695-1 MSD	SB-1(5-7)	84	76	49	42
460-327695-2	SB-1(14-15)	108	105	71	70
460-327695-3	SB-2(5-7)	102	94	66	60
460-327695-4	SB-2(14-15)	111	110	67	66
460-327695-5	SB-2(21-22)	118	108	89	82
460-327695-6	SB-3(5-7)	116	110	64	59
460-327695-7	SB-3(14-15)	109	107	64	62
460-327695-8	SB-4(5-7)	158 *	143	73	69
460-327695-9	SB-4(14-15)	112	108	54	51
460-327695-10	SB-4(21-22)	115	111	69	66
LCS 460-1042170/2-A	Lab Control Sample	97	84	95	82
LCSD 460-1042170/3-A	Lab Control Sample Dup	84	79	83	79
MB 460-1042170/1-A	Method Blank	100	90	93	86

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-1043167/7
Matrix: Solid
Analysis Batch: 1043167

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			06/12/25 18:04	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/12/25 18:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/12/25 18:04	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			06/12/25 18:04	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			06/12/25 18:04	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			06/12/25 18:04	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			06/12/25 18:04	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/12/25 18:04	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			06/12/25 18:04	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/12/25 18:04	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/12/25 18:04	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			06/12/25 18:04	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			06/12/25 18:04	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			06/12/25 18:04	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			06/12/25 18:04	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			06/12/25 18:04	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			06/12/25 18:04	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			06/12/25 18:04	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			06/12/25 18:04	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			06/12/25 18:04	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			06/12/25 18:04	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			06/12/25 18:04	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			06/12/25 18:04	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			06/12/25 18:04	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			06/12/25 18:04	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			06/12/25 18:04	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/12/25 18:04	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			06/12/25 18:04	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			06/12/25 18:04	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			06/12/25 18:04	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/12/25 18:04	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			06/12/25 18:04	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			06/12/25 18:04	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			06/12/25 18:04	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			06/12/25 18:04	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			06/12/25 18:04	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			06/12/25 18:04	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			06/12/25 18:04	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			06/12/25 18:04	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			06/12/25 18:04	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			06/12/25 18:04	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			06/12/25 18:04	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			06/12/25 18:04	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			06/12/25 18:04	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			06/12/25 18:04	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			06/12/25 18:04	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			06/12/25 18:04	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/12/25 18:04	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1043167/7
Matrix: Solid
Analysis Batch: 1043167

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			06/12/25 18:04	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			06/12/25 18:04	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			06/12/25 18:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*65 - 138*		*06/12/25 18:04*	*1*
4-Bromofluorobenzene	*118*		*71 - 128*		*06/12/25 18:04*	*1*
Dibromofluoromethane (Surr)	*115*		*50 - 150*		*06/12/25 18:04*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*06/12/25 18:04*	*1*

Lab Sample ID: LCS 460-1043167/2
Matrix: Solid
Analysis Batch: 1043167

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0205		mg/Kg		103	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0190		mg/Kg		95	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0228		mg/Kg		114	75 - 121
1,1,2-Trichloroethane	0.0200	0.0196		mg/Kg		98	80 - 120
1,1-Dichloroethane	0.0200	0.0225		mg/Kg		112	72 - 120
1,1-Dichloroethene	0.0200	0.0212		mg/Kg		106	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0219		mg/Kg		110	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0228		mg/Kg		114	77 - 136
1,2-Dibromo-3-Chloropropane	0.0200	0.0165		mg/Kg		83	80 - 124
1,2-Dichlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120
1,2-Dichloroethane	0.0200	0.0211		mg/Kg		105	70 - 123
1,2-Dichloropropane	0.0200	0.0228		mg/Kg		114	73 - 124
1,3-Dichlorobenzene	0.0200	0.0201		mg/Kg		100	80 - 120
1,4-Dichlorobenzene	0.0200	0.0205		mg/Kg		103	80 - 120
2-Butanone (MEK)	0.100	0.0895		mg/Kg		90	64 - 128
2-Hexanone	0.100	0.101		mg/Kg		101	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.102		mg/Kg		102	80 - 120
Acetone	0.100	0.101		mg/Kg		101	58 - 122
Benzene	0.0200	0.0203		mg/Kg		102	75 - 120
Bromoform	0.0200	0.0181		mg/Kg		91	61 - 125
Bromomethane	0.0200	0.0240		mg/Kg		120	37 - 150
Carbon disulfide	0.0200	0.0215		mg/Kg		108	57 - 133
Carbon tetrachloride	0.0200	0.0204		mg/Kg		102	66 - 127
Chlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120
Chlorobromomethane	0.0200	0.0207		mg/Kg		103	76 - 127
Chlorodibromomethane	0.0200	0.0180		mg/Kg		90	72 - 120
Chloroethane	0.0200	0.0226		mg/Kg		113	60 - 123
Chloroform	0.0200	0.0216		mg/Kg		108	79 - 126
Chloromethane	0.0200	0.0211		mg/Kg		105	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0211		mg/Kg		105	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0197		mg/Kg		98	75 - 120
Cyclohexane	0.0200	0.0213		mg/Kg		106	65 - 132
Dichlorobromomethane	0.0200	0.0199		mg/Kg		100	77 - 124

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1043167/2
Matrix: Solid
Analysis Batch: 1043167

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	0.0200	0.0164		mg/Kg		82	45 - 129
Ethylbenzene	0.0200	0.0196		mg/Kg		98	80 - 120
Ethylene Dibromide	0.0200	0.0196		mg/Kg		98	79 - 120
Isopropylbenzene	0.0200	0.0191		mg/Kg		96	74 - 120
Methyl acetate	0.0400	0.0517	*	mg/Kg		129	57 - 120
Methyl tert-butyl ether	0.0200	0.0205		mg/Kg		102	74 - 125
Methylcyclohexane	0.0200	0.0209		mg/Kg		104	66 - 125
Methylene Chloride	0.0200	0.0218		mg/Kg		109	78 - 120
m-Xylene & p-Xylene	0.0200	0.0191		mg/Kg		95	80 - 120
o-Xylene	0.0200	0.0193		mg/Kg		96	80 - 120
Styrene	0.0200	0.0186		mg/Kg		93	80 - 120
Tetrachloroethene	0.0200	0.0203		mg/Kg		102	73 - 120
Toluene	0.0200	0.0189		mg/Kg		94	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0222		mg/Kg		111	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0185		mg/Kg		93	77 - 120
Trichloroethene	0.0200	0.0201		mg/Kg		100	80 - 120
Trichlorofluoromethane	0.0200	0.0208		mg/Kg		104	61 - 130
Vinyl chloride	0.0200	0.0200		mg/Kg		100	54 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*
4-Bromofluorobenzene	*112*		*71 - 128*
Dibromofluoromethane (Surr)	*111*		*50 - 150*
Toluene-d8 (Surr)	*102*		*71 - 126*

Lab Sample ID: LCSD 460-1043167/3
Matrix: Solid
Analysis Batch: 1043167

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0177		mg/Kg		88	78 - 120	15	30
1,1,2,2-Tetrachloroethane	0.0200	0.0181		mg/Kg		91	70 - 133	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0188		mg/Kg		94	75 - 121	19	30
1,1,2-Trichloroethane	0.0200	0.0184		mg/Kg		92	80 - 120	6	30
1,1-Dichloroethane	0.0200	0.0202		mg/Kg		101	72 - 120	11	30
1,1-Dichloroethene	0.0200	0.0178		mg/Kg		89	76 - 120	17	30
1,2,3-Trichlorobenzene	0.0200	0.0206		mg/Kg		103	77 - 137	6	30
1,2,4-Trichlorobenzene	0.0200	0.0213		mg/Kg		107	77 - 136	7	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0158	*	mg/Kg		79	80 - 124	5	30
1,2-Dichlorobenzene	0.0200	0.0186		mg/Kg		93	80 - 120	5	30
1,2-Dichloroethane	0.0200	0.0201		mg/Kg		100	70 - 123	5	30
1,2-Dichloropropane	0.0200	0.0201		mg/Kg		101	73 - 124	13	30
1,3-Dichlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120	5	30
1,4-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120	6	30
2-Butanone (MEK)	0.100	0.0885		mg/Kg		89	64 - 128	1	30
2-Hexanone	0.100	0.0978		mg/Kg		98	75 - 120	3	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0979		mg/Kg		98	80 - 120	4	30
Acetone	0.100	0.101		mg/Kg		101	58 - 122	0	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1043167/3
Matrix: Solid
Analysis Batch: 1043167

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0200	0.0182		mg/Kg		91	75 - 120	11	30
Bromoform			0.0200	0.0168		mg/Kg		84	61 - 125	8	30
Bromomethane			0.0200	0.0212		mg/Kg		106	37 - 150	12	30
Carbon disulfide			0.0200	0.0183		mg/Kg		91	57 - 133	16	30
Carbon tetrachloride			0.0200	0.0171		mg/Kg		86	66 - 127	18	30
Chlorobenzene			0.0200	0.0178		mg/Kg		89	80 - 120	8	30
Chlorobromomethane			0.0200	0.0199		mg/Kg		100	76 - 127	4	30
Chlorodibromomethane			0.0200	0.0160		mg/Kg		80	72 - 120	11	30
Chloroethane			0.0200	0.0199		mg/Kg		99	60 - 123	13	30
Chloroform			0.0200	0.0196		mg/Kg		98	79 - 126	10	30
Chloromethane			0.0200	0.0182		mg/Kg		91	46 - 122	15	30
cis-1,2-Dichloroethene			0.0200	0.0194		mg/Kg		97	80 - 123	9	30
cis-1,3-Dichloropropene			0.0200	0.0179		mg/Kg		90	75 - 120	9	30
Cyclohexane			0.0200	0.0174		mg/Kg		87	65 - 132	20	30
Dichlorobromomethane			0.0200	0.0180		mg/Kg		90	77 - 124	10	30
Dichlorodifluoromethane			0.0200	0.0124		mg/Kg		62	45 - 129	28	30
Ethylbenzene			0.0200	0.0175		mg/Kg		87	80 - 120	12	30
Ethylene Dibromide			0.0200	0.0179		mg/Kg		89	79 - 120	9	30
Isopropylbenzene			0.0200	0.0168		mg/Kg		84	74 - 120	13	30
Methyl acetate			0.0400	0.0491	*	mg/Kg		123	57 - 120	5	30
Methyl tert-butyl ether			0.0200	0.0198		mg/Kg		99	74 - 125	4	30
Methylcyclohexane			0.0200	0.0172		mg/Kg		86	66 - 125	19	30
Methylene Chloride			0.0200	0.0197		mg/Kg		99	78 - 120	10	30
m-Xylene & p-Xylene			0.0200	0.0169		mg/Kg		85	80 - 120	12	30
o-Xylene			0.0200	0.0176		mg/Kg		88	80 - 120	9	30
Styrene			0.0200	0.0171		mg/Kg		85	80 - 120	8	30
Tetrachloroethene			0.0200	0.0175		mg/Kg		88	73 - 120	15	30
Toluene			0.0200	0.0169		mg/Kg		84	80 - 120	11	30
trans-1,2-Dichloroethene			0.0200	0.0187		mg/Kg		94	78 - 120	17	30
trans-1,3-Dichloropropene			0.0200	0.0168		mg/Kg		84	77 - 120	10	30
Trichloroethene			0.0200	0.0181		mg/Kg		91	80 - 120	10	30
Trichlorofluoromethane			0.0200	0.0166		mg/Kg		83	61 - 130	22	30
Vinyl chloride			0.0200	0.0169		mg/Kg		85	54 - 122	17	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*
4-Bromofluorobenzene	*113*		*71 - 128*
Dibromofluoromethane (Surr)	*108*		*50 - 150*
Toluene-d8 (Surr)	*97*		*71 - 126*

Lab Sample ID: MB 460-1043273/6
Matrix: Solid
Analysis Batch: 1043273

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			06/13/25 06:06	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/13/25 06:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/13/25 06:06	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1043273/6
Matrix: Solid
Analysis Batch: 1043273

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			06/13/25 06:06	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			06/13/25 06:06	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			06/13/25 06:06	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			06/13/25 06:06	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/13/25 06:06	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			06/13/25 06:06	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/13/25 06:06	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/13/25 06:06	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			06/13/25 06:06	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			06/13/25 06:06	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			06/13/25 06:06	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			06/13/25 06:06	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			06/13/25 06:06	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			06/13/25 06:06	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			06/13/25 06:06	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			06/13/25 06:06	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			06/13/25 06:06	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			06/13/25 06:06	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			06/13/25 06:06	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			06/13/25 06:06	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			06/13/25 06:06	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			06/13/25 06:06	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			06/13/25 06:06	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/13/25 06:06	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			06/13/25 06:06	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			06/13/25 06:06	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			06/13/25 06:06	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/13/25 06:06	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			06/13/25 06:06	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			06/13/25 06:06	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			06/13/25 06:06	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			06/13/25 06:06	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			06/13/25 06:06	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			06/13/25 06:06	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			06/13/25 06:06	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			06/13/25 06:06	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			06/13/25 06:06	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			06/13/25 06:06	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			06/13/25 06:06	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			06/13/25 06:06	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			06/13/25 06:06	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			06/13/25 06:06	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			06/13/25 06:06	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			06/13/25 06:06	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/13/25 06:06	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			06/13/25 06:06	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			06/13/25 06:06	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			06/13/25 06:06	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1043273/6
Matrix: Solid
Analysis Batch: 1043273

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*		*06/13/25 06:06*	*1*
4-Bromofluorobenzene	*84*		*71 - 128*		*06/13/25 06:06*	*1*
Dibromofluoromethane (Surr)	*110*		*50 - 150*		*06/13/25 06:06*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*06/13/25 06:06*	*1*

Lab Sample ID: LCS 460-1043273/3
Matrix: Solid
Analysis Batch: 1043273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0174		mg/Kg		87	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0179		mg/Kg		89	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0190		mg/Kg		95	75 - 121
1,1,2-Trichloroethane	0.0200	0.0180		mg/Kg		90	80 - 120
1,1-Dichloroethane	0.0200	0.0192		mg/Kg		96	72 - 120
1,1-Dichloroethene	0.0200	0.0178		mg/Kg		89	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0172		mg/Kg		86	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0173		mg/Kg		87	77 - 136
1,2-Dibromo-3-Chloropropane	0.0200	0.0180		mg/Kg		90	80 - 124
1,2-Dichlorobenzene	0.0200	0.0177		mg/Kg		89	80 - 120
1,2-Dichloroethane	0.0200	0.0178		mg/Kg		89	70 - 123
1,2-Dichloropropane	0.0200	0.0192		mg/Kg		96	73 - 124
1,3-Dichlorobenzene	0.0200	0.0178		mg/Kg		89	80 - 120
1,4-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120
2-Butanone (MEK)	0.100	0.0773		mg/Kg		77	64 - 128
2-Hexanone	0.100	0.0854		mg/Kg		85	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0904		mg/Kg		90	80 - 120
Acetone	0.100	0.0900		mg/Kg		90	58 - 122
Benzene	0.0200	0.0199		mg/Kg		99	75 - 120
Bromoform	0.0200	0.0214		mg/Kg		107	61 - 125
Bromomethane	0.0200	0.0203		mg/Kg		101	37 - 150
Carbon disulfide	0.0200	0.0182		mg/Kg		91	57 - 133
Carbon tetrachloride	0.0200	0.0187		mg/Kg		94	66 - 127
Chlorobenzene	0.0200	0.0187		mg/Kg		93	80 - 120
Chlorobromomethane	0.0200	0.0183		mg/Kg		92	76 - 127
Chlorodibromomethane	0.0200	0.0201		mg/Kg		101	72 - 120
Chloroethane	0.0200	0.0171		mg/Kg		86	60 - 123
Chloroform	0.0200	0.0181		mg/Kg		90	79 - 126
Chloromethane	0.0200	0.0182		mg/Kg		91	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0181		mg/Kg		90	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0179		mg/Kg		89	75 - 120
Cyclohexane	0.0200	0.0192		mg/Kg		96	65 - 132
Dichlorobromomethane	0.0200	0.0188		mg/Kg		94	77 - 124
Dichlorodifluoromethane	0.0200	0.0171		mg/Kg		86	45 - 129
Ethylbenzene	0.0200	0.0187		mg/Kg		93	80 - 120
Ethylene Dibromide	0.0200	0.0179		mg/Kg		89	79 - 120
Isopropylbenzene	0.0200	0.0188		mg/Kg		94	74 - 120
Methyl acetate	0.0400	0.0439		mg/Kg		110	57 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1043273/3
Matrix: Solid
Analysis Batch: 1043273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl tert-butyl ether	0.0200	0.0168		mg/Kg		84	74 - 125
Methylcyclohexane	0.0200	0.0191		mg/Kg		96	66 - 125
Methylene Chloride	0.0200	0.0180		mg/Kg		90	78 - 120
m-Xylene & p-Xylene	0.0200	0.0182		mg/Kg		91	80 - 120
o-Xylene	0.0200	0.0182		mg/Kg		91	80 - 120
Styrene	0.0200	0.0175		mg/Kg		88	80 - 120
Tetrachloroethene	0.0200	0.0194		mg/Kg		97	73 - 120
Toluene	0.0200	0.0183		mg/Kg		91	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0191		mg/Kg		96	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0167		mg/Kg		83	77 - 120
Trichloroethene	0.0200	0.0179		mg/Kg		89	80 - 120
Trichlorofluoromethane	0.0200	0.0204		mg/Kg		102	61 - 130
Vinyl chloride	0.0200	0.0192		mg/Kg		96	54 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*
4-Bromofluorobenzene	*78*		*71 - 128*
Dibromofluoromethane (Surr)	*97*		*50 - 150*
Toluene-d8 (Surr)	*94*		*71 - 126*

Lab Sample ID: LCSD 460-1043273/4
Matrix: Solid
Analysis Batch: 1043273

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0171		mg/Kg		86	78 - 120	1	30
1,1,2,2-Tetrachloroethane	0.0200	0.0185		mg/Kg		92	70 - 133	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0195		mg/Kg		98	75 - 121	3	30
1,1,2-Trichloroethane	0.0200	0.0186		mg/Kg		93	80 - 120	3	30
1,1-Dichloroethane	0.0200	0.0187		mg/Kg		94	72 - 120	3	30
1,1-Dichloroethene	0.0200	0.0178		mg/Kg		89	76 - 120	0	30
1,2,3-Trichlorobenzene	0.0200	0.0173		mg/Kg		87	77 - 137	1	30
1,2,4-Trichlorobenzene	0.0200	0.0172		mg/Kg		86	77 - 136	1	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0188		mg/Kg		94	80 - 124	4	30
1,2-Dichlorobenzene	0.0200	0.0180		mg/Kg		90	80 - 120	2	30
1,2-Dichloroethane	0.0200	0.0179		mg/Kg		90	70 - 123	1	30
1,2-Dichloropropane	0.0200	0.0196		mg/Kg		98	73 - 124	2	30
1,3-Dichlorobenzene	0.0200	0.0176		mg/Kg		88	80 - 120	2	30
1,4-Dichlorobenzene	0.0200	0.0178		mg/Kg		89	80 - 120	2	30
2-Butanone (MEK)	0.100	0.0804		mg/Kg		80	64 - 128	4	30
2-Hexanone	0.100	0.0845		mg/Kg		84	75 - 120	1	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0901		mg/Kg		90	80 - 120	0	30
Acetone	0.100	0.0918		mg/Kg		92	58 - 122	2	30
Benzene	0.0200	0.0198		mg/Kg		99	75 - 120	0	30
Bromoform	0.0200	0.0219		mg/Kg		109	61 - 125	2	30
Bromomethane	0.0200	0.0198		mg/Kg		99	37 - 150	3	30
Carbon disulfide	0.0200	0.0183		mg/Kg		92	57 - 133	0	30
Carbon tetrachloride	0.0200	0.0186		mg/Kg		93	66 - 127	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1043273/4
Matrix: Solid
Analysis Batch: 1043273

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorobenzene			0.0200	0.0185		mg/Kg		93	80 - 120	1	30
Chlorobromomethane			0.0200	0.0192		mg/Kg		96	76 - 127	4	30
Chlorodibromomethane			0.0200	0.0202		mg/Kg		101	72 - 120	0	30
Chloroethane			0.0200	0.0164		mg/Kg		82	60 - 123	4	30
Chloroform			0.0200	0.0181		mg/Kg		90	79 - 126	0	30
Chloromethane			0.0200	0.0175		mg/Kg		88	46 - 122	4	30
cis-1,2-Dichloroethene			0.0200	0.0183		mg/Kg		91	80 - 123	1	30
cis-1,3-Dichloropropene			0.0200	0.0182		mg/Kg		91	75 - 120	2	30
Cyclohexane			0.0200	0.0184		mg/Kg		92	65 - 132	4	30
Dichlorobromomethane			0.0200	0.0188		mg/Kg		94	77 - 124	0	30
Dichlorodifluoromethane			0.0200	0.0160		mg/Kg		80	45 - 129	7	30
Ethylbenzene			0.0200	0.0187		mg/Kg		94	80 - 120	0	30
Ethylene Dibromide			0.0200	0.0187		mg/Kg		93	79 - 120	5	30
Isopropylbenzene			0.0200	0.0191		mg/Kg		95	74 - 120	2	30
Methyl acetate			0.0400	0.0408		mg/Kg		102	57 - 120	7	30
Methyl tert-butyl ether			0.0200	0.0169		mg/Kg		85	74 - 125	1	30
Methylcyclohexane			0.0200	0.0189		mg/Kg		95	66 - 125	1	30
Methylene Chloride			0.0200	0.0184		mg/Kg		92	78 - 120	2	30
m-Xylene & p-Xylene			0.0200	0.0182		mg/Kg		91	80 - 120	0	30
o-Xylene			0.0200	0.0186		mg/Kg		93	80 - 120	2	30
Styrene			0.0200	0.0178		mg/Kg		89	80 - 120	1	30
Tetrachloroethene			0.0200	0.0191		mg/Kg		96	73 - 120	2	30
Toluene			0.0200	0.0180		mg/Kg		90	80 - 120	2	30
trans-1,2-Dichloroethene			0.0200	0.0185		mg/Kg		92	78 - 120	3	30
trans-1,3-Dichloropropene			0.0200	0.0169		mg/Kg		85	77 - 120	2	30
Trichloroethene			0.0200	0.0176		mg/Kg		88	80 - 120	2	30
Trichlorofluoromethane			0.0200	0.0191		mg/Kg		95	61 - 130	7	30
Vinyl chloride			0.0200	0.0176		mg/Kg		88	54 - 122	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*
4-Bromofluorobenzene	*84*		*71 - 128*
Dibromofluoromethane (Surr)	*108*		*50 - 150*
Toluene-d8 (Surr)	*105*		*71 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-1042128/1-A
Matrix: Solid
Analysis Batch: 1042246

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.012	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.020	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		06/07/25 09:51	06/08/25 13:56	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1042128/1-A
Matrix: Solid
Analysis Batch: 1042246

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
2,4-Dimethylphenol	0.33	U	0.33	0.039	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
2-Chloronaphthalene	0.33	U	0.33	0.043	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
2-Nitroaniline	0.33	U	0.33	0.025	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
3-Nitroaniline	0.33	U	0.33	0.079	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
4-Nitroaniline	0.33	U	0.33	0.084	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.061	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Diethyl phthalate	0.33	U	0.33	0.011	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		06/07/25 09:51	06/08/25 13:56	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1042128/1-A
Matrix: Solid
Analysis Batch: 1042246

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Nitrobenzene	0.033	U	0.033	0.018	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Phenol	0.33	U	0.33	0.012	mg/Kg		06/07/25 09:51	06/08/25 13:56	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		06/07/25 09:51	06/08/25 13:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*18 - 137*	*06/07/25 09:51*	*06/08/25 13:56*	*1*
2-Fluorobiphenyl	*73*		*33 - 117*	*06/07/25 09:51*	*06/08/25 13:56*	*1*
2-Fluorophenol (Surr)	*74*		*24 - 120*	*06/07/25 09:51*	*06/08/25 13:56*	*1*
Nitrobenzene-d5 (Surr)	*67*		*27 - 120*	*06/07/25 09:51*	*06/08/25 13:56*	*1*
Phenol-d5 (Surr)	*71*		*28 - 118*	*06/07/25 09:51*	*06/08/25 13:56*	*1*
Terphenyl-d14 (Surr)	*69*		*33 - 124*	*06/07/25 09:51*	*06/08/25 13:56*	*1*

Lab Sample ID: LCS 460-1042128/2-A
Matrix: Solid
Analysis Batch: 1042246

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	3.33	2.62		mg/Kg		79	64 - 120
1,2,4,5-Tetrachlorobenzene	3.33	2.74		mg/Kg		82	60 - 120
1,4-Dioxane	3.33	2.24		mg/Kg		67	31 - 105
2,2'-oxybis[1-chloropropane]	3.33	2.14		mg/Kg		64	50 - 126
2,3,4,6-Tetrachlorophenol	3.33	2.95		mg/Kg		89	62 - 120
2,4,5-Trichlorophenol	3.33	2.87		mg/Kg		86	64 - 120
2,4,6-Trichlorophenol	3.33	2.85		mg/Kg		85	65 - 120
2,4-Dichlorophenol	3.33	2.92		mg/Kg		88	66 - 120
2,4-Dimethylphenol	3.33	2.75		mg/Kg		82	75 - 136
2,4-Dinitrophenol	6.67	6.14		mg/Kg		92	41 - 120
2,4-Dinitrotoluene	3.33	2.96		mg/Kg		89	65 - 124
2,6-Dinitrotoluene	3.33	2.91		mg/Kg		87	67 - 121
2-Chloronaphthalene	3.33	2.61		mg/Kg		78	64 - 120
2-Chlorophenol	3.33	2.72		mg/Kg		81	63 - 120
2-Methylnaphthalene	3.33	2.71		mg/Kg		81	56 - 102
2-Methylphenol	3.33	2.69		mg/Kg		81	63 - 120
2-Nitroaniline	3.33	2.14		mg/Kg		64	52 - 120
2-Nitrophenol	3.33	2.75		mg/Kg		83	64 - 120
3,3'-Dichlorobenzidine	3.33	2.54		mg/Kg		76	10 - 106
3-Nitroaniline	3.33	2.51		mg/Kg		75	18 - 105
4,6-Dinitro-2-methylphenol	6.67	6.73		mg/Kg		101	61 - 127
4-Bromophenyl phenyl ether	3.33	2.95		mg/Kg		88	64 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1042128/2-A
Matrix: Solid
Analysis Batch: 1042246

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Chloro-3-methylphenol	3.33	2.78		mg/Kg		83	68 - 120
4-Chloroaniline	3.33	2.33		mg/Kg		70	10 - 107
4-Chlorophenyl phenyl ether	3.33	2.79		mg/Kg		84	62 - 120
4-Methylphenol	3.33	2.73		mg/Kg		82	61 - 120
4-Nitroaniline	3.33	2.70		mg/Kg		81	51 - 112
4-Nitrophenol	6.67	4.66		mg/Kg		70	52 - 122
Acenaphthene	3.33	2.65		mg/Kg		79	65 - 120
Acenaphthylene	3.33	2.63		mg/Kg		79	68 - 120
Acetophenone	3.33	2.29		mg/Kg		69	61 - 111
Anthracene	3.33	2.79		mg/Kg		84	67 - 120
Atrazine	1.33	1.75		mg/Kg		131	52 - 150
Benzaldehyde	1.33	1.31		mg/Kg		98	45 - 150
Benzo[a]anthracene	3.33	2.60		mg/Kg		78	66 - 120
Benzo[a]pyrene	3.33	3.01		mg/Kg		90	69 - 123
Benzo[b]fluoranthene	3.33	3.00		mg/Kg		90	66 - 125
Benzo[g,h,i]perylene	3.33	2.99		mg/Kg		90	66 - 138
Benzo[k]fluoranthene	3.33	2.87		mg/Kg		86	67 - 122
Bis(2-chloroethoxy)methane	3.33	2.50		mg/Kg		75	62 - 120
Bis(2-chloroethyl)ether	3.33	2.48		mg/Kg		75	60 - 120
Bis(2-ethylhexyl) phthalate	3.33	2.59		mg/Kg		78	64 - 125
Butyl benzyl phthalate	3.33	2.56		mg/Kg		77	62 - 127
Caprolactam	1.33	1.39		mg/Kg		104	46 - 150
Carbazole	3.33	2.80		mg/Kg		84	64 - 120
Chrysene	3.33	2.61		mg/Kg		78	67 - 120
Dibenz(a,h)anthracene	3.33	2.94		mg/Kg		88	66 - 128
Dibenzofuran	3.33	2.67		mg/Kg		80	61 - 120
Diethyl phthalate	3.33	2.66		mg/Kg		80	63 - 120
Dimethyl phthalate	3.33	2.67		mg/Kg		80	65 - 120
Di-n-butyl phthalate	3.33	2.86		mg/Kg		86	61 - 120
Di-n-octyl phthalate	3.33	2.76		mg/Kg		83	61 - 123
Fluoranthene	3.33	2.90		mg/Kg		87	61 - 120
Fluorene	3.33	2.68		mg/Kg		81	64 - 120
Hexachlorobenzene	3.33	2.99		mg/Kg		90	66 - 120
Hexachlorobutadiene	3.33	2.77		mg/Kg		83	62 - 120
Hexachlorocyclopentadiene	3.33	2.61		mg/Kg		78	32 - 150
Hexachloroethane	3.33	2.50		mg/Kg		75	61 - 112
Indeno[1,2,3-cd]pyrene	3.33	2.92		mg/Kg		87	63 - 137
Isophorone	3.33	2.43		mg/Kg		73	61 - 120
Naphthalene	3.33	2.59		mg/Kg		78	63 - 113
Nitrobenzene	3.33	2.70		mg/Kg		81	63 - 120
N-Nitrosodi-n-propylamine	3.33	2.51		mg/Kg		75	60 - 120
N-Nitrosodiphenylamine	3.33	2.82		mg/Kg		84	63 - 120
Pentachlorophenol	6.67	6.41		mg/Kg		96	61 - 126
Phenanthrene	3.33	2.82		mg/Kg		85	66 - 120
Phenol	3.33	2.58		mg/Kg		77	63 - 120
Pyrene	3.33	2.57		mg/Kg		77	61 - 121

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1042128/2-A
Matrix: Solid
Analysis Batch: 1042246

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*18 - 137*
2-Fluorobiphenyl	*70*		*33 - 117*
2-Fluorophenol (Surr)	*70*		*24 - 120*
Nitrobenzene-d5 (Surr)	*63*		*27 - 120*
Phenol-d5 (Surr)	*69*		*28 - 118*
Terphenyl-d14 (Surr)	*66*		*33 - 124*

Lab Sample ID: LCSD 460-1042128/3-A
Matrix: Solid
Analysis Batch: 1042246

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1042128

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	3.24		mg/Kg		97	64 - 120	21	30
1,2,4,5-Tetrachlorobenzene			3.33	3.42		mg/Kg		103	60 - 120	22	30
1,4-Dioxane			3.33	2.63		mg/Kg		79	31 - 105	16	30
2,2'-oxybis[1-chloropropane]			3.33	2.57		mg/Kg		77	50 - 126	18	30
2,3,4,6-Tetrachlorophenol			3.33	3.73		mg/Kg		112	62 - 120	23	30
2,4,5-Trichlorophenol			3.33	3.59		mg/Kg		108	64 - 120	22	30
2,4,6-Trichlorophenol			3.33	3.58		mg/Kg		107	65 - 120	23	30
2,4-Dichlorophenol			3.33	3.67		mg/Kg		110	66 - 120	23	30
2,4-Dimethylphenol			3.33	3.46		mg/Kg		104	75 - 136	23	30
2,4-Dinitrophenol			6.67	7.74		mg/Kg		116	41 - 120	23	30
2,4-Dinitrotoluene			3.33	3.71		mg/Kg		111	65 - 124	22	30
2,6-Dinitrotoluene			3.33	3.62		mg/Kg		108	67 - 121	22	30
2-Chloronaphthalene			3.33	3.26		mg/Kg		98	64 - 120	22	30
2-Chlorophenol			3.33	3.32		mg/Kg		100	63 - 120	20	30
2-Methylnaphthalene			3.33	3.38		mg/Kg		102	56 - 102	22	30
2-Methylphenol			3.33	3.36		mg/Kg		101	63 - 120	22	30
2-Nitroaniline			3.33	2.73		mg/Kg		82	52 - 120	24	30
2-Nitrophenol			3.33	3.51		mg/Kg		105	64 - 120	24	30
3,3'-Dichlorobenzidine			3.33	3.27		mg/Kg		98	10 - 106	25	30
3-Nitroaniline			3.33	3.15		mg/Kg		94	18 - 105	23	30
4,6-Dinitro-2-methylphenol			6.67	8.50	*	mg/Kg		128	61 - 127	23	30
4-Bromophenyl phenyl ether			3.33	3.72		mg/Kg		112	64 - 120	23	30
4-Chloro-3-methylphenol			3.33	3.58		mg/Kg		107	68 - 120	25	30
4-Chloroaniline			3.33	3.02		mg/Kg		91	10 - 107	26	30
4-Chlorophenyl phenyl ether			3.33	3.52		mg/Kg		106	62 - 120	23	30
4-Methylphenol			3.33	3.35		mg/Kg		100	61 - 120	20	30
4-Nitroaniline			3.33	3.35		mg/Kg		101	51 - 112	22	30
4-Nitrophenol			6.67	5.91		mg/Kg		89	52 - 122	24	30
Acenaphthene			3.33	3.31		mg/Kg		99	65 - 120	22	30
Acenaphthylene			3.33	3.27		mg/Kg		98	68 - 120	22	30
Acetophenone			3.33	2.83		mg/Kg		85	61 - 111	21	30
Anthracene			3.33	3.51		mg/Kg		105	67 - 120	23	30
Atrazine			1.33	1.81		mg/Kg		136	52 - 150	3	30
Benzaldehyde			1.33	1.28		mg/Kg		96	45 - 150	2	30
Benzo[a]anthracene			3.33	3.27		mg/Kg		98	66 - 120	23	30
Benzo[a]pyrene			3.33	3.77		mg/Kg		113	69 - 123	22	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1042128/3-A
Matrix: Solid
Analysis Batch: 1042246

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1042128

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[b]fluoranthene			3.33	3.76		mg/Kg		113	66 - 125	22	30
Benzo[g,h,i]perylene			3.33	3.76		mg/Kg		113	66 - 138	23	30
Benzo[k]fluoranthene			3.33	3.56		mg/Kg		107	67 - 122	21	30
Bis(2-chloroethoxy)methane			3.33	3.13		mg/Kg		94	62 - 120	22	30
Bis(2-chloroethyl)ether			3.33	3.00		mg/Kg		90	60 - 120	19	30
Bis(2-ethylhexyl) phthalate			3.33	3.22		mg/Kg		97	64 - 125	22	30
Butyl benzyl phthalate			3.33	3.22		mg/Kg		97	62 - 127	23	30
Caprolactam			1.33	1.40		mg/Kg		105	46 - 150	1	30
Carbazole			3.33	3.56		mg/Kg		107	64 - 120	24	30
Chrysene			3.33	3.29		mg/Kg		99	67 - 120	23	30
Dibenz(a,h)anthracene			3.33	3.72		mg/Kg		112	66 - 128	23	30
Dibenzofuran			3.33	3.36		mg/Kg		101	61 - 120	23	30
Diethyl phthalate			3.33	3.31		mg/Kg		99	63 - 120	22	30
Dimethyl phthalate			3.33	3.30		mg/Kg		99	65 - 120	21	30
Di-n-butyl phthalate			3.33	3.59		mg/Kg		108	61 - 120	23	30
Di-n-octyl phthalate			3.33	3.48		mg/Kg		104	61 - 123	23	30
Fluoranthene			3.33	3.67		mg/Kg		110	61 - 120	23	30
Fluorene			3.33	3.37		mg/Kg		101	64 - 120	23	30
Hexachlorobenzene			3.33	3.74		mg/Kg		112	66 - 120	22	30
Hexachlorobutadiene			3.33	3.45		mg/Kg		103	62 - 120	22	30
Hexachlorocyclopentadiene			3.33	3.27		mg/Kg		98	32 - 150	22	30
Hexachloroethane			3.33	3.01		mg/Kg		90	61 - 112	18	30
Indeno[1,2,3-cd]pyrene			3.33	3.55		mg/Kg		107	63 - 137	20	30
Isophorone			3.33	3.06		mg/Kg		92	61 - 120	23	30
Naphthalene			3.33	3.25		mg/Kg		98	63 - 113	23	30
Nitrobenzene			3.33	3.24		mg/Kg		97	63 - 120	18	30
N-Nitrosodi-n-propylamine			3.33	3.17		mg/Kg		95	60 - 120	23	30
N-Nitrosodiphenylamine			3.33	3.53		mg/Kg		106	63 - 120	23	30
Pentachlorophenol			6.67	7.95		mg/Kg		119	61 - 126	21	30
Phenanthrene			3.33	3.52		mg/Kg		106	66 - 120	22	30
Phenol			3.33	3.20		mg/Kg		96	63 - 120	21	30
Pyrene			3.33	3.20		mg/Kg		96	61 - 121	22	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*104*		*18 - 137*
2-Fluorobiphenyl	*90*		*33 - 117*
2-Fluorophenol (Surr)	*87*		*24 - 120*
Nitrobenzene-d5 (Surr)	*80*		*27 - 120*
Phenol-d5 (Surr)	*87*		*28 - 118*
Terphenyl-d14 (Surr)	*85*		*33 - 124*

Lab Sample ID: 460-327594-B-1-A MS
Matrix: Solid
Analysis Batch: 1042246

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1042128

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	0.083	J	3.78	2.52		mg/Kg	☼	64	64 - 120
1,2,4,5-Tetrachlorobenzene	0.37	U	3.78	2.69		mg/Kg	☼	71	60 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-327594-B-1-A MS
Matrix: Solid
Analysis Batch: 1042246

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1042128

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	0.037	U	3.78	1.63		mg/Kg	☼	43	31 - 105
2,2'-oxybis[1-chloropropane]	0.37	U	3.78	1.98		mg/Kg	☼	52	50 - 126
2,3,4,6-Tetrachlorophenol	0.37	U	3.78	2.90		mg/Kg	☼	77	62 - 120
2,4,5-Trichlorophenol	0.37	U	3.78	2.80		mg/Kg	☼	74	64 - 120
2,4,6-Trichlorophenol	0.15	U	3.78	2.78		mg/Kg	☼	73	65 - 120
2,4-Dichlorophenol	0.15	U	3.78	2.81		mg/Kg	☼	74	66 - 120
2,4-Dimethylphenol	0.37	U	3.78	2.63	*	mg/Kg	☼	70	75 - 136
2,4-Dinitrophenol	0.30	U	7.56	3.56		mg/Kg	☼	47	41 - 120
2,4-Dinitrotoluene	0.076	U	3.78	2.87		mg/Kg	☼	76	65 - 124
2,6-Dinitrotoluene	0.076	U	3.78	2.79		mg/Kg	☼	74	67 - 121
2-Chloronaphthalene	0.26	J	3.78	2.65	*	mg/Kg	☼	63	64 - 120
2-Chlorophenol	0.37	U	3.78	2.66		mg/Kg	☼	70	63 - 120
2-Methylnaphthalene	0.065	J	3.78	2.59		mg/Kg	☼	67	56 - 102
2-Methylphenol	0.37	U	3.78	2.62		mg/Kg	☼	69	63 - 120
2-Nitroaniline	0.37	U	3.78	2.23		mg/Kg	☼	59	52 - 120
2-Nitrophenol	0.37	U	3.78	2.68		mg/Kg	☼	71	64 - 120
3,3'-Dichlorobenzidine	0.15	U	3.78	2.43		mg/Kg	☼	64	10 - 106
3-Nitroaniline	0.37	U	3.78	2.41		mg/Kg	☼	64	18 - 105
4,6-Dinitro-2-methylphenol	0.30	U *	7.56	4.49	*	mg/Kg	☼	59	61 - 127
4-Bromophenyl phenyl ether	0.37	U	3.78	2.92		mg/Kg	☼	77	64 - 120
4-Chloro-3-methylphenol	0.37	U	3.78	2.64		mg/Kg	☼	70	68 - 120
4-Chloroaniline	0.37	U	3.78	2.15		mg/Kg	☼	57	10 - 107
4-Chlorophenyl phenyl ether	0.37	U	3.78	2.69		mg/Kg	☼	71	62 - 120
4-Methylphenol	0.37	U	3.78	2.66		mg/Kg	☼	70	61 - 120
4-Nitroaniline	0.37	U	3.78	2.44		mg/Kg	☼	65	51 - 112
4-Nitrophenol	0.76	U	7.56	4.58		mg/Kg	☼	61	52 - 122
Acenaphthene	0.37	U	3.78	2.57		mg/Kg	☼	68	65 - 120
Acenaphthylene	0.58		3.78	2.66	*	mg/Kg	☼	55	68 - 120
Acetophenone	0.37	U	3.78	2.24	*	mg/Kg	☼	59	61 - 111
Anthracene	0.062	J	3.78	2.79		mg/Kg	☼	72	67 - 120
Atrazine	0.15	U	1.51	2.79	E *	mg/Kg	☼	184	52 - 150
Benzaldehyde	0.37	U	1.51	2.01	E	mg/Kg	☼	133	45 - 150
Benzo[a]anthracene	0.071		3.78	2.61		mg/Kg	☼	67	66 - 120
Benzo[a]pyrene	0.073		3.78	2.97		mg/Kg	☼	77	69 - 123
Benzo[b]fluoranthene	0.12		3.78	3.09		mg/Kg	☼	79	66 - 125
Benzo[g,h,i]perylene	0.070	J	3.78	3.03		mg/Kg	☼	78	66 - 138
Benzo[k]fluoranthene	0.022	J	3.78	2.67		mg/Kg	☼	70	67 - 122
Bis(2-chloroethoxy)methane	0.37	U	3.78	2.31	*	mg/Kg	☼	61	62 - 120
Bis(2-chloroethyl)ether	0.037	U	3.78	2.40		mg/Kg	☼	64	60 - 120
Bis(2-ethylhexyl) phthalate	0.37	U	3.78	2.54		mg/Kg	☼	67	64 - 125
Butyl benzyl phthalate	0.37	U	3.78	2.53		mg/Kg	☼	67	62 - 127
Caprolactam	0.37	U	1.51	2.12		mg/Kg	☼	141	46 - 150
Carbazole	0.37	U	3.78	2.74		mg/Kg	☼	73	64 - 120
Chrysene	0.19	J	3.78	2.62	*	mg/Kg	☼	64	67 - 120
Dibenz(a,h)anthracene	0.039		3.78	2.93		mg/Kg	☼	76	66 - 128
Dibenzofuran	0.014	J	3.78	2.60		mg/Kg	☼	69	61 - 120
Diethyl phthalate	0.37	U	3.78	2.55		mg/Kg	☼	67	63 - 120
Dimethyl phthalate	0.37	U	3.78	2.58		mg/Kg	☼	68	65 - 120
Di-n-butyl phthalate	0.37	U	3.78	2.82		mg/Kg	☼	75	61 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-327594-B-1-A MS
Matrix: Solid
Analysis Batch: 1042246

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1042128

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-octyl phthalate	0.37	U	3.78	2.66		mg/Kg	☼	70	61 - 123
Fluoranthene	0.23	J	3.78	2.95		mg/Kg	☼	72	61 - 120
Fluorene	0.047	J	3.78	2.65		mg/Kg	☼	69	64 - 120
Hexachlorobenzene	0.037	U	3.78	2.94		mg/Kg	☼	78	66 - 120
Hexachlorobutadiene	0.076	U	3.78	2.77		mg/Kg	☼	73	62 - 120
Hexachlorocyclopentadiene	0.37	U	3.78	2.19		mg/Kg	☼	58	32 - 150
Hexachloroethane	0.037	U	3.78	2.47		mg/Kg	☼	65	61 - 112
Indeno[1,2,3-cd]pyrene	0.065		3.78	2.91		mg/Kg	☼	75	63 - 137
Isophorone	0.15	U	3.78	2.26	*	mg/Kg	☼	60	61 - 120
Naphthalene	1.2		3.78	2.82	*	mg/Kg	☼	42	63 - 113
Nitrobenzene	0.037	U	3.78	2.61		mg/Kg	☼	69	63 - 120
N-Nitrosodi-n-propylamine	0.037	U	3.78	2.36		mg/Kg	☼	62	60 - 120
N-Nitrosodiphenylamine	0.37	U	3.78	2.75		mg/Kg	☼	73	63 - 120
Pentachlorophenol	0.30	U	7.56	6.20		mg/Kg	☼	82	61 - 126
Phenanthrene	0.35	J	3.78	2.86		mg/Kg	☼	66	66 - 120
Phenol	0.37	U	3.78	2.51		mg/Kg	☼	67	63 - 120
Pyrene	0.26	J	3.78	2.62		mg/Kg	☼	62	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*71*		*18 - 137*
2-Fluorobiphenyl	*61*		*33 - 117*
2-Fluorophenol (Surr)	*62*		*24 - 120*
Nitrobenzene-d5 (Surr)	*54*		*27 - 120*
Phenol-d5 (Surr)	*59*		*28 - 118*
Terphenyl-d14 (Surr)	*58*		*33 - 124*

Lab Sample ID: 460-327594-B-1-B MSD
Matrix: Solid
Analysis Batch: 1042246

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1042128

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	0.083	J	3.78	3.55	*	mg/Kg	☼	92	64 - 120	34	30
1,2,4,5-Tetrachlorobenzene	0.37	U	3.78	3.52		mg/Kg	☼	93	60 - 120	27	30
1,4-Dioxane	0.037	U	3.78	1.46		mg/Kg	☼	38	31 - 105	11	30
2,2'-oxybis[1-chloropropane]	0.37	U	3.78	2.28		mg/Kg	☼	60	50 - 126	14	30
2,3,4,6-Tetrachlorophenol	0.37	U	3.78	4.78	*	mg/Kg	☼	126	62 - 120	49	30
2,4,5-Trichlorophenol	0.37	U	3.78	4.45	*	mg/Kg	☼	117	64 - 120	45	30
2,4,6-Trichlorophenol	0.15	U	3.78	4.18	*	mg/Kg	☼	110	65 - 120	40	30
2,4-Dichlorophenol	0.15	U	3.78	3.72		mg/Kg	☼	98	66 - 120	28	30
2,4-Dimethylphenol	0.37	U	3.78	3.52		mg/Kg	☼	93	75 - 136	29	30
2,4-Dinitrophenol	0.30	U	7.57	6.95	*	mg/Kg	☼	92	41 - 120	64	30
2,4-Dinitrotoluene	0.076	U	3.78	4.84	*	mg/Kg	☼	128	65 - 124	51	30
2,6-Dinitrotoluene	0.076	U	3.78	4.54	*	mg/Kg	☼	120	67 - 121	48	30
2-Chloronaphthalene	0.26	J	3.78	3.58		mg/Kg	☼	88	64 - 120	30	30
2-Chlorophenol	0.37	U	3.78	2.95		mg/Kg	☼	78	63 - 120	10	30
2-Methylnaphthalene	0.065	J	3.78	3.45		mg/Kg	☼	90	56 - 102	29	30
2-Methylphenol	0.37	U	3.78	3.05		mg/Kg	☼	81	63 - 120	15	30
2-Nitroaniline	0.37	U	3.78	3.37	*	mg/Kg	☼	89	52 - 120	40	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-327594-B-1-B MSD
Matrix: Solid
Analysis Batch: 1042246

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1042128

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Nitrophenol	0.37	U	3.78	3.25		mg/Kg	☼	86	64 - 120	19	30
3,3'-Dichlorobenzidine	0.15	U	3.78	4.35	*	mg/Kg	☼	115	10 - 106	57	30
3-Nitroaniline	0.37	U	3.78	3.97	*	mg/Kg	☼	105	18 - 105	49	30
4,6-Dinitro-2-methylphenol	0.30	U *	7.57	8.33	*	mg/Kg	☼	110	61 - 127	60	30
4-Bromophenyl phenyl ether	0.37	U	3.78	4.72	*	mg/Kg	☼	125	64 - 120	47	30
4-Chloro-3-methylphenol	0.37	U	3.78	4.20	*	mg/Kg	☼	111	68 - 120	46	30
4-Chloroaniline	0.37	U	3.78	3.02	*	mg/Kg	☼	80	10 - 107	34	30
4-Chlorophenyl phenyl ether	0.37	U	3.78	4.24	*	mg/Kg	☼	112	62 - 120	45	30
4-Methylphenol	0.37	U	3.78	3.19		mg/Kg	☼	84	61 - 120	18	30
4-Nitroaniline	0.37	U	3.78	4.23	*	mg/Kg	☼	112	51 - 112	54	30
4-Nitrophenol	0.76	U	7.57	7.91	*	mg/Kg	☼	105	52 - 122	53	30
Acenaphthene	0.37	U	3.78	3.87	*	mg/Kg	☼	102	65 - 120	40	30
Acenaphthylene	0.58		3.78	3.85	*	mg/Kg	☼	86	68 - 120	37	30
Acetophenone	0.37	U	3.78	2.60		mg/Kg	☼	69	61 - 111	15	30
Anthracene	0.062	J	3.78	4.50	*	mg/Kg	☼	117	67 - 120	47	30
Atrazine	0.15	U	1.51	4.37	E *	mg/Kg	☼	288	52 - 150	44	30
Benzaldehyde	0.37	U	1.51	2.31	E *	mg/Kg	☼	153	45 - 150	14	30
Benzo[a]anthracene	0.071		3.78	4.25	*	mg/Kg	☼	110	66 - 120	48	30
Benzo[a]pyrene	0.073		3.78	4.99	*	mg/Kg	☼	130	69 - 123	51	30
Benzo[b]fluoranthene	0.12		3.78	5.37	*	mg/Kg	☼	139	66 - 125	54	30
Benzo[g,h,i]perylene	0.070	J	3.78	5.08	*	mg/Kg	☼	132	66 - 138	51	30
Benzo[k]fluoranthene	0.022	J	3.78	4.36	*	mg/Kg	☼	114	67 - 122	48	30
Bis(2-chloroethoxy)methane	0.37	U	3.78	2.94		mg/Kg	☼	78	62 - 120	24	30
Bis(2-chloroethyl)ether	0.037	U	3.78	2.64		mg/Kg	☼	70	60 - 120	9	30
Bis(2-ethylhexyl) phthalate	0.37	U	3.78	4.27	*	mg/Kg	☼	113	64 - 125	51	30
Butyl benzyl phthalate	0.37	U	3.78	4.21	*	mg/Kg	☼	111	62 - 127	50	30
Caprolactam	0.37	U	1.51	3.23	E *	mg/Kg	☼	213	46 - 150	41	30
Carbazole	0.37	U	3.78	4.57	*	mg/Kg	☼	121	64 - 120	50	30
Chrysene	0.19	J	3.78	4.26	*	mg/Kg	☼	107	67 - 120	48	30
Dibenz(a,h)anthracene	0.039		3.78	4.96	*	mg/Kg	☼	130	66 - 128	52	30
Dibenzofuran	0.014	J	3.78	4.04	*	mg/Kg	☼	106	61 - 120	43	30
Diethyl phthalate	0.37	U	3.78	4.24	*	mg/Kg	☼	112	63 - 120	50	30
Dimethyl phthalate	0.37	U	3.78	4.12	*	mg/Kg	☼	109	65 - 120	46	30
Di-n-butyl phthalate	0.37	U	3.78	4.68	*	mg/Kg	☼	124	61 - 120	50	30
Di-n-octyl phthalate	0.37	U	3.78	4.51	*	mg/Kg	☼	119	61 - 123	52	30
Fluoranthene	0.23	J	3.78	4.78	*	mg/Kg	☼	120	61 - 120	47	30
Fluorene	0.047	J	3.78	4.16	*	mg/Kg	☼	109	64 - 120	44	30
Hexachlorobenzene	0.037	U	3.78	4.80	*	mg/Kg	☼	127	66 - 120	48	30
Hexachlorobutadiene	0.076	U	3.78	3.16		mg/Kg	☼	83	62 - 120	13	30
Hexachlorocyclopentadiene	0.37	U	3.78	2.49		mg/Kg	☼	66	32 - 150	13	30
Hexachloroethane	0.037	U	3.78	2.76		mg/Kg	☼	73	61 - 112	11	30
Indeno[1,2,3-cd]pyrene	0.065		3.78	4.86	*	mg/Kg	☼	127	63 - 137	50	30
Isophorone	0.15	U	3.78	3.11	*	mg/Kg	☼	82	61 - 120	32	30
Naphthalene	1.2		3.78	3.18	*	mg/Kg	☼	51	63 - 113	12	30
Nitrobenzene	0.037	U	3.78	3.04		mg/Kg	☼	80	63 - 120	15	30
N-Nitrosodi-n-propylamine	0.037	U	3.78	2.97		mg/Kg	☼	78	60 - 120	23	30
N-Nitrosodiphenylamine	0.37	U	3.78	4.47	*	mg/Kg	☼	118	63 - 120	48	30
Pentachlorophenol	0.30	U	7.57	10.6	*	mg/Kg	☼	140	61 - 126	52	30
Phenanthrene	0.35	J	3.78	4.52	*	mg/Kg	☼	110	66 - 120	45	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-327594-B-1-B MSD
Matrix: Solid
Analysis Batch: 1042246

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1042128

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenol	0.37	U	3.78	2.65		mg/Kg	☼	70	63 - 120	5	30
Pyrene	0.26	J	3.78	4.16	*	mg/Kg	☼	103	61 - 121	46	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*114*		*18 - 137*
2-Fluorobiphenyl	*80*		*33 - 117*
2-Fluorophenol (Surr)	*57*		*24 - 120*
Nitrobenzene-d5 (Surr)	*61*		*27 - 120*
Phenol-d5 (Surr)	*59*		*28 - 118*
Terphenyl-d14 (Surr)	*94*		*33 - 124*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-1042171/1-A
Matrix: Solid
Analysis Batch: 1042283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042171

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/07/25 18:43	06/09/25 04:10	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-1042171/1-A
Matrix: Solid
Analysis Batch: 1042283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042171

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/07/25 18:43	06/09/25 04:10	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/07/25 18:43	06/09/25 04:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*103*		*10 - 150*	*06/07/25 18:43*	*06/09/25 04:10*	*1*
DCB Decachlorobiphenyl	*108*		*10 - 150*	*06/07/25 18:43*	*06/09/25 04:10*	*1*
Tetrachloro-m-xylene	*91*		*14 - 150*	*06/07/25 18:43*	*06/09/25 04:10*	*1*
Tetrachloro-m-xylene	*94*		*14 - 150*	*06/07/25 18:43*	*06/09/25 04:10*	*1*

Lab Sample ID: LCS 460-1042171/2-A
Matrix: Solid
Analysis Batch: 1042283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042171

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.133	0.147		mg/Kg		111	71 - 134
4,4'-DDD	0.133	0.143		mg/Kg		107	71 - 134
4,4'-DDE	0.133	0.147		mg/Kg		110	71 - 137
4,4'-DDE	0.133	0.141		mg/Kg		106	71 - 137
4,4'-DDT	0.133	0.159		mg/Kg		119	69 - 140
4,4'-DDT	0.133	0.147		mg/Kg		110	69 - 140
Aldrin	0.133	0.136		mg/Kg		102	68 - 136
Aldrin	0.133	0.131		mg/Kg		98	68 - 136
alpha-BHC	0.133	0.141		mg/Kg		106	71 - 136
alpha-BHC	0.133	0.135		mg/Kg		102	71 - 136
beta-BHC	0.133	0.130		mg/Kg		97	67 - 133
beta-BHC	0.133	0.130		mg/Kg		97	67 - 133
delta-BHC	0.133	0.137		mg/Kg		103	70 - 135
delta-BHC	0.133	0.135		mg/Kg		101	70 - 135
Dieldrin	0.133	0.142		mg/Kg		106	71 - 135
Dieldrin	0.133	0.133		mg/Kg		100	71 - 135
Endosulfan I	0.133	0.142		mg/Kg		107	70 - 141
Endosulfan I	0.133	0.133		mg/Kg		100	70 - 141
Endosulfan II	0.133	0.148		mg/Kg		111	75 - 141
Endosulfan II	0.133	0.143		mg/Kg		107	75 - 141
Endosulfan sulfate	0.133	0.139		mg/Kg		104	67 - 130
Endosulfan sulfate	0.133	0.122		mg/Kg		92	67 - 130
Endrin	0.133	0.139		mg/Kg		104	66 - 143
Endrin	0.133	0.135		mg/Kg		101	66 - 143
Endrin aldehyde	0.133	0.142		mg/Kg		107	70 - 132
Endrin aldehyde	0.133	0.128		mg/Kg		96	70 - 132
Endrin ketone	0.133	0.142		mg/Kg		106	66 - 137

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-1042171/2-A
Matrix: Solid
Analysis Batch: 1042283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042171

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Endrin ketone			0.133	0.128		mg/Kg		96	66 - 137		
gamma-BHC (Lindane)			0.133	0.138		mg/Kg		104	71 - 137		
gamma-BHC (Lindane)			0.133	0.135		mg/Kg		101	71 - 137		
Heptachlor			0.133	0.140		mg/Kg		105	70 - 140		
Heptachlor			0.133	0.136		mg/Kg		102	70 - 140		
Heptachlor epoxide			0.133	0.138		mg/Kg		104	70 - 135		
Heptachlor epoxide			0.133	0.132		mg/Kg		99	70 - 135		
Methoxychlor			0.133	0.154		mg/Kg		116	63 - 138		
Methoxychlor			0.133	0.145		mg/Kg		109	63 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*105*		*10 - 150*
DCB Decachlorobiphenyl	*114*		*10 - 150*
Tetrachloro-m-xylene	*95*		*14 - 150*
Tetrachloro-m-xylene	*99*		*14 - 150*

Lab Sample ID: LCSD 460-1042171/3-A
Matrix: Solid
Analysis Batch: 1042283

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1042171

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.159		mg/Kg		119	71 - 134	7	30
4,4'-DDD			0.133	0.154		mg/Kg		116	71 - 134	8	30
4,4'-DDE			0.133	0.161		mg/Kg		121	71 - 137	9	30
4,4'-DDE			0.133	0.153		mg/Kg		115	71 - 137	8	30
4,4'-DDT			0.133	0.172		mg/Kg		129	69 - 140	8	30
4,4'-DDT			0.133	0.160		mg/Kg		120	69 - 140	8	30
Aldrin			0.133	0.148		mg/Kg		111	68 - 136	9	30
Aldrin			0.133	0.142		mg/Kg		107	68 - 136	8	30
alpha-BHC			0.133	0.153		mg/Kg		115	71 - 136	8	30
alpha-BHC			0.133	0.147		mg/Kg		110	71 - 136	8	30
beta-BHC			0.133	0.140		mg/Kg		105	67 - 133	7	30
beta-BHC			0.133	0.134		mg/Kg		100	67 - 133	3	30
delta-BHC			0.133	0.148		mg/Kg		111	70 - 135	8	30
delta-BHC			0.133	0.143		mg/Kg		107	70 - 135	6	30
Dieldrin			0.133	0.154		mg/Kg		116	71 - 135	9	30
Dieldrin			0.133	0.144		mg/Kg		108	71 - 135	8	30
Endosulfan I			0.133	0.153		mg/Kg		114	70 - 141	7	30
Endosulfan I			0.133	0.145		mg/Kg		109	70 - 141	8	30
Endosulfan II			0.133	0.159		mg/Kg		119	75 - 141	7	30
Endosulfan II			0.133	0.155		mg/Kg		116	75 - 141	8	30
Endosulfan sulfate			0.133	0.151		mg/Kg		114	67 - 130	9	30
Endosulfan sulfate			0.133	0.133		mg/Kg		100	67 - 130	8	30
Endrin			0.133	0.151		mg/Kg		113	66 - 143	8	30
Endrin			0.133	0.146		mg/Kg		109	66 - 143	8	30
Endrin aldehyde			0.133	0.155		mg/Kg		116	70 - 132	9	30
Endrin aldehyde			0.133	0.140		mg/Kg		105	70 - 132	8	30
Endrin ketone			0.133	0.152		mg/Kg		114	66 - 137	7	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-1042171/3-A
Matrix: Solid
Analysis Batch: 1042283

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1042171

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endrin ketone			0.133	0.137		mg/Kg		103	66 - 137	7	30
gamma-BHC (Lindane)			0.133	0.150		mg/Kg		112	71 - 137	8	30
gamma-BHC (Lindane)			0.133	0.144		mg/Kg		108	71 - 137	7	30
Heptachlor			0.133	0.151		mg/Kg		114	70 - 140	8	30
Heptachlor			0.133	0.147		mg/Kg		110	70 - 140	8	30
Heptachlor epoxide			0.133	0.151		mg/Kg		113	70 - 135	9	30
Heptachlor epoxide			0.133	0.143		mg/Kg		108	70 - 135	8	30
Methoxychlor			0.133	0.168		mg/Kg		126	63 - 138	8	30
Methoxychlor			0.133	0.156		mg/Kg		117	63 - 138	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*97*		*10 - 150*
DCB Decachlorobiphenyl	*107*		*10 - 150*
Tetrachloro-m-xylene	*86*		*14 - 150*
Tetrachloro-m-xylene	*91*		*14 - 150*

Lab Sample ID: 460-327695-1 MS
Matrix: Solid
Analysis Batch: 1042283

Client Sample ID: SB-1(5-7)
Prep Type: Total/NA
Prep Batch: 1042171

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.0068	U	0.136	0.302	*	mg/Kg	☼	223	71 - 134
4,4'-DDD	0.0068	U	0.136	0.274	*	mg/Kg	☼	202	71 - 134
4,4'-DDE	0.0068	U	0.136	0.294	*	mg/Kg	☼	216	71 - 137
4,4'-DDE	0.0068	U	0.136	0.275	*	mg/Kg	☼	202	71 - 137
4,4'-DDT	0.0068	U	0.136	0.325	*	mg/Kg	☼	239	69 - 140
4,4'-DDT	0.0068	U	0.136	0.296	*	mg/Kg	☼	218	69 - 140
Aldrin	0.0068	U	0.136	0.235	*	mg/Kg	☼	173	68 - 136
Aldrin	0.0068	U	0.136	0.219	*	mg/Kg	☼	161	68 - 136
alpha-BHC	0.0020	U	0.136	0.255	*	mg/Kg	☼	187	71 - 136
alpha-BHC	0.0020	U	0.136	0.236	*	mg/Kg	☼	174	71 - 136
beta-BHC	0.0020	U	0.136	0.250	*	mg/Kg	☼	184	67 - 133
beta-BHC	0.0020	U	0.136	0.240	*	mg/Kg	☼	176	67 - 133
delta-BHC	0.0020	U	0.136	0.271	*	mg/Kg	☼	199	70 - 135
delta-BHC	0.0020	U	0.136	0.258	*	mg/Kg	☼	190	70 - 135
Dieldrin	0.0020	U	0.136	0.279	*	mg/Kg	☼	205	71 - 135
Dieldrin	0.0020	U	0.136	0.253	*	mg/Kg	☼	186	71 - 135
Endosulfan I	0.0068	U	0.136	0.270	*	mg/Kg	☼	199	70 - 141
Endosulfan I	0.0068	U	0.136	0.245	*	mg/Kg	☼	181	70 - 141
Endosulfan II	0.0068	U	0.136	0.284	*	mg/Kg	☼	209	75 - 141
Endosulfan II	0.0068	U	0.136	0.266	*	mg/Kg	☼	196	75 - 141
Endosulfan sulfate	0.0068	U	0.136	0.269	*	mg/Kg	☼	198	67 - 130
Endosulfan sulfate	0.0068	U	0.136	0.230	*	mg/Kg	☼	170	67 - 130
Endrin	0.0068	U	0.136	0.273	*	mg/Kg	☼	201	66 - 143
Endrin	0.0068	U	0.136	0.255	*	mg/Kg	☼	188	66 - 143
Endrin aldehyde	0.0068	U	0.136	0.233	*	mg/Kg	☼	171	70 - 132
Endrin aldehyde	0.0068	U	0.136	0.211	*	mg/Kg	☼	155	70 - 132
Endrin ketone	0.0068	U	0.136	0.271	*	mg/Kg	☼	199	66 - 137

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-327695-1 MS
Matrix: Solid
Analysis Batch: 1042283

Client Sample ID: SB-1(5-7)
Prep Type: Total/NA
Prep Batch: 1042171

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Endrin ketone	0.0068	U	0.136	0.241	*	mg/Kg	☼	178	66 - 137
gamma-BHC (Lindane)	0.0020	U	0.136	0.257	*	mg/Kg	☼	189	71 - 137
gamma-BHC (Lindane)	0.0020	U	0.136	0.244	*	mg/Kg	☼	180	71 - 137
Heptachlor	0.0068	U	0.136	0.251	*	mg/Kg	☼	185	70 - 140
Heptachlor	0.0068	U	0.136	0.240	*	mg/Kg	☼	177	70 - 140
Heptachlor epoxide	0.0068	U	0.136	0.269	*	mg/Kg	☼	198	70 - 135
Heptachlor epoxide	0.0068	U	0.136	0.245	*	mg/Kg	☼	181	70 - 135
Methoxychlor	0.0068	U	0.136	0.310	*	mg/Kg	☼	228	63 - 138
Methoxychlor	0.0068	U	0.136	0.281	*	mg/Kg	☼	207	63 - 138

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*93*		*10 - 150*
DCB Decachlorobiphenyl	*116*		*10 - 150*
Tetrachloro-m-xylene	*61*		*14 - 150*
Tetrachloro-m-xylene	*68*		*14 - 150*

Lab Sample ID: 460-327695-1 MSD
Matrix: Solid
Analysis Batch: 1042283

Client Sample ID: SB-1(5-7)
Prep Type: Total/NA
Prep Batch: 1042171

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.0068	U	0.136	0.233	*	mg/Kg	☼	172	71 - 134	26	30
4,4'-DDD	0.0068	U	0.136	0.220	*	mg/Kg	☼	162	71 - 134	22	30
4,4'-DDE	0.0068	U	0.136	0.233	*	mg/Kg	☼	171	71 - 137	23	30
4,4'-DDE	0.0068	U	0.136	0.221	*	mg/Kg	☼	163	71 - 137	22	30
4,4'-DDT	0.0068	U	0.136	0.257	*	mg/Kg	☼	189	69 - 140	24	30
4,4'-DDT	0.0068	U	0.136	0.233	*	mg/Kg	☼	172	69 - 140	24	30
Aldrin	0.0068	U	0.136	0.189	*	mg/Kg	☼	139	68 - 136	22	30
Aldrin	0.0068	U	0.136	0.179		mg/Kg	☼	132	68 - 136	20	30
alpha-BHC	0.0020	U	0.136	0.203	*	mg/Kg	☼	150	71 - 136	22	30
alpha-BHC	0.0020	U	0.136	0.192	*	mg/Kg	☼	142	71 - 136	20	30
beta-BHC	0.0020	U	0.136	0.197	*	mg/Kg	☼	145	67 - 133	24	30
beta-BHC	0.0020	U	0.136	0.192	*	mg/Kg	☼	141	67 - 133	22	30
delta-BHC	0.0020	U	0.136	0.211	*	mg/Kg	☼	155	70 - 135	25	30
delta-BHC	0.0020	U	0.136	0.204	*	mg/Kg	☼	150	70 - 135	23	30
Dieldrin	0.0020	U	0.136	0.222	*	mg/Kg	☼	164	71 - 135	22	30
Dieldrin	0.0020	U	0.136	0.205	*	mg/Kg	☼	151	71 - 135	21	30
Endosulfan I	0.0068	U	0.136	0.216	*	mg/Kg	☼	159	70 - 141	22	30
Endosulfan I	0.0068	U	0.136	0.201	*	mg/Kg	☼	148	70 - 141	20	30
Endosulfan II	0.0068	U	0.136	0.222	*	mg/Kg	☼	163	75 - 141	25	30
Endosulfan II	0.0068	U	0.136	0.212	*	mg/Kg	☼	156	75 - 141	23	30
Endosulfan sulfate	0.0068	U	0.136	0.210	*	mg/Kg	☼	154	67 - 130	25	30
Endosulfan sulfate	0.0068	U	0.136	0.183	*	mg/Kg	☼	135	67 - 130	23	30
Endrin	0.0068	U	0.136	0.219	*	mg/Kg	☼	161	66 - 143	22	30
Endrin	0.0068	U	0.136	0.206	*	mg/Kg	☼	151	66 - 143	21	30
Endrin aldehyde	0.0068	U	0.136	0.158	*	mg/Kg	☼	116	70 - 132	38	30
Endrin aldehyde	0.0068	U	0.136	0.148	*	mg/Kg	☼	109	70 - 132	35	30
Endrin ketone	0.0068	U	0.136	0.209	*	mg/Kg	☼	154	66 - 137	26	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-327695-1 MSD
Matrix: Solid
Analysis Batch: 1042283

Client Sample ID: SB-1(5-7)
Prep Type: Total/NA
Prep Batch: 1042171

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endrin ketone	0.0068	U	0.136	0.190	*	mg/Kg	☼	140	66 - 137	24	30
gamma-BHC (Lindane)	0.0020	U	0.136	0.207	*	mg/Kg	☼	152	71 - 137	22	30
gamma-BHC (Lindane)	0.0020	U	0.136	0.199	*	mg/Kg	☼	146	71 - 137	21	30
Heptachlor	0.0068	U	0.136	0.202	*	mg/Kg	☼	149	70 - 140	21	30
Heptachlor	0.0068	U	0.136	0.198	*	mg/Kg	☼	146	70 - 140	19	30
Heptachlor epoxide	0.0068	U	0.136	0.215	*	mg/Kg	☼	159	70 - 135	22	30
Heptachlor epoxide	0.0068	U	0.136	0.200	*	mg/Kg	☼	148	70 - 135	20	30
Methoxychlor	0.0068	U	0.136	0.242	*	mg/Kg	☼	178	63 - 138	25	30
Methoxychlor	0.0068	U	0.136	0.223	*	mg/Kg	☼	164	63 - 138	23	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*76*		*10 - 150*
DCB Decachlorobiphenyl	*80*		*10 - 150*
Tetrachloro-m-xylene	*50*		*14 - 150*
Tetrachloro-m-xylene	*56*		*14 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-1042170/1-A
Matrix: Solid
Analysis Batch: 1042206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042170

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		06/07/25 18:41	06/08/25 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*10 - 150*	*06/07/25 18:41*	*06/08/25 11:34*	*1*
DCB Decachlorobiphenyl	*100*		*10 - 150*	*06/07/25 18:41*	*06/08/25 11:34*	*1*
Tetrachloro-m-xylene	*86*		*10 - 150*	*06/07/25 18:41*	*06/08/25 11:34*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-1042170/1-A
Matrix: Solid
Analysis Batch: 1042206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042170

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	93		10 - 150	06/07/25 18:41	06/08/25 11:34	1

Lab Sample ID: LCS 460-1042170/2-A
Matrix: Solid
Analysis Batch: 1042206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042170

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016			0.333	0.279		mg/Kg		84	59 - 149		
Aroclor 1016			0.333	0.283		mg/Kg		85	59 - 149		
Aroclor 1260			0.333	0.306		mg/Kg		92	62 - 145		
Aroclor 1260			0.333	0.312		mg/Kg		93	62 - 145		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	84		10 - 150
DCB Decachlorobiphenyl	97		10 - 150
Tetrachloro-m-xylene	82		10 - 150
Tetrachloro-m-xylene	95		10 - 150

Lab Sample ID: LCSD 460-1042170/3-A
Matrix: Solid
Analysis Batch: 1042206

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1042170

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.260		mg/Kg		78	59 - 149	7	30
Aroclor 1016			0.333	0.256		mg/Kg		77	59 - 149	10	30
Aroclor 1260			0.333	0.283		mg/Kg		85	62 - 145	8	30
Aroclor 1260			0.333	0.276		mg/Kg		83	62 - 145	12	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	79		10 - 150
DCB Decachlorobiphenyl	84		10 - 150
Tetrachloro-m-xylene	79		10 - 150
Tetrachloro-m-xylene	83		10 - 150

Lab Sample ID: 460-327695-1 MS
Matrix: Solid
Analysis Batch: 1042206

Client Sample ID: SB-1(5-7)
Prep Type: Total/NA
Prep Batch: 1042170

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016	0.068	U	0.340	0.283		mg/Kg	☼	83	59 - 149		
Aroclor 1016	0.068	U	0.340	0.276		mg/Kg	☼	81	59 - 149		
Aroclor 1260	0.068	U	0.340	0.328		mg/Kg	☼	97	62 - 145		
Aroclor 1260	0.068	U	0.340	0.330		mg/Kg	☼	97	62 - 145		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	83		10 - 150
DCB Decachlorobiphenyl	91		10 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-327695-1 MS
Matrix: Solid
Analysis Batch: 1042206

Client Sample ID: SB-1(5-7)
Prep Type: Total/NA
Prep Batch: 1042170

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*46*		*10 - 150*
Tetrachloro-m-xylene	*53*		*10 - 150*

Lab Sample ID: 460-327695-1 MSD
Matrix: Solid
Analysis Batch: 1042206

Client Sample ID: SB-1(5-7)
Prep Type: Total/NA
Prep Batch: 1042170

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.068	U	0.340	0.255		mg/Kg	☼	75	59 - 149	10	30
Aroclor 1016	0.068	U	0.340	0.254		mg/Kg	☼	75	59 - 149	8	30
Aroclor 1260	0.068	U	0.340	0.293		mg/Kg	☼	86	62 - 145	11	30
Aroclor 1260	0.068	U	0.340	0.303		mg/Kg	☼	89	62 - 145	9	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*76*		*10 - 150*
DCB Decachlorobiphenyl	*84*		*10 - 150*
Tetrachloro-m-xylene	*42*		*10 - 150*
Tetrachloro-m-xylene	*49*		*10 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1043496/1-A
Matrix: Solid
Analysis Batch: 1043497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1043496

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	5.5	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Antimony	1.0	U	1.0	0.15	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Barium	2.0	U	2.0	0.15	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Beryllium	0.40	U	0.40	0.022	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Calcium	100	U	100	9.7	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Chromium	2.0	U	2.0	0.30	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Copper	2.0	U	2.0	0.37	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Iron	60.0	U	60.0	7.7	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Lead	0.60	U	0.60	0.20	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Magnesium	100	U	100	10.2	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Manganese	4.0	U	4.0	0.40	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Nickel	2.0	U	2.0	0.18	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Potassium	100	U	100	16.2	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Selenium	1.3	U	1.3	0.13	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Silver	0.40	U	0.40	0.089	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Sodium	100	U	100	45.7	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Thallium	0.40	U	0.40	0.041	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		06/13/25 16:25	06/14/25 02:42	1
Zinc	8.0	U	8.0	1.1	mg/Kg		06/13/25 16:25	06/14/25 02:42	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-1043496/2-A ^3
Matrix: Solid
Analysis Batch: 1043497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1043496

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	6840	5709		mg/Kg		83.5	53.2 - 146.2
Antimony	131	65.97		mg/Kg		50.4	4.5 - 195.4
Arsenic	192	196.2		mg/Kg		102.2	81.3 - 118.8
Barium	219	215.0		mg/Kg		98.2	81.7 - 118.3
Beryllium	146	149.3		mg/Kg		102.2	82.2 - 117.8
Cadmium	114	117.4		mg/Kg		103.0	81.7 - 118.4
Calcium	4080	4142		mg/Kg		101.5	82.4 - 117.6
Chromium	153	162.0		mg/Kg		105.9	81.0 - 119.0
Cobalt	231	248.4		mg/Kg		107.5	83.1 - 117.3
Copper	91.2	96.04		mg/Kg		105.3	83.1 - 117.3
Iron	7020	6296		mg/Kg		89.7	60.7 - 139.2
Lead	141	137.9		mg/Kg		97.8	81.6 - 118.4
Magnesium	1900	1818		mg/Kg		95.7	76.3 - 123.7
Manganese	401	406.4		mg/Kg		101.4	80.8 - 119.0
Nickel	143	160.1		mg/Kg		111.9	81.8 - 118.9
Potassium	1760	1592		mg/Kg		90.5	72.2 - 127.8
Selenium	94.7	100.4		mg/Kg		106.0	78.5 - 121.4
Silver	77.0	78.96		mg/Kg		102.5	79.4 - 120.6
Sodium	661	713.4		mg/Kg		107.9	73.7 - 126.2
Thallium	183	187.8		mg/Kg		102.6	80.3 - 119.7
Vanadium	159	159.8		mg/Kg		100.5	78.6 - 122.0
Zinc	292	303.8		mg/Kg		104.1	79.8 - 120.2

Lab Sample ID: 460-327695-1 MS
Matrix: Solid
Analysis Batch: 1043497

Client Sample ID: SB-1(5-7)
Prep Type: Total/NA
Prep Batch: 1043496

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	3770		398	4410	4	mg/Kg	☼	160	75 - 125
Antimony	0.80	U	3.98	3.83		mg/Kg	☼	96	75 - 125
Arsenic	0.74	J	7.96	8.30		mg/Kg	☼	95	75 - 125
Barium	19.9		7.96	26.84		mg/Kg	☼	87	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-327695-1 MS
Matrix: Solid
Analysis Batch: 1043497

Client Sample ID: SB-1(5-7)
Prep Type: Total/NA
Prep Batch: 1043496

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.20	J	3.98	4.01		mg/Kg	☼	96	75 - 125
Cadmium	0.80	U	3.98	3.76		mg/Kg	☼	95	75 - 125
Calcium	651		398	1128		mg/Kg	☼	120	75 - 125
Chromium	9.0		7.96	17.99		mg/Kg	☼	113	75 - 125
Cobalt	3.0		3.98	6.82		mg/Kg	☼	95	75 - 125
Copper	8.7		7.96	15.92		mg/Kg	☼	91	75 - 125
Iron	7720		398	7745	4	mg/Kg	☼	6	75 - 125
Lead	2.6		3.98	6.41		mg/Kg	☼	95	75 - 125
Magnesium	1810		398	2275	4	mg/Kg	☼	117	75 - 125
Manganese	189		39.8	237.8	4	mg/Kg	☼	123	75 - 125
Nickel	7.7		7.96	15.59		mg/Kg	☼	99	75 - 125
Potassium	517		398	845.6		mg/Kg	☼	82	75 - 125
Selenium	0.99	U	7.96	7.85		mg/Kg	☼	99	75 - 125
Silver	0.32	U	3.98	3.88		mg/Kg	☼	97	75 - 125
Sodium	76.6	J	398	458.6		mg/Kg	☼	96	75 - 125
Thallium	0.042	J	3.18	3.09		mg/Kg	☼	96	75 - 125
Vanadium	10.4		7.96	18.47		mg/Kg	☼	101	75 - 125
Zinc	17.9		39.8	55.36		mg/Kg	☼	94	75 - 125

Lab Sample ID: 460-327695-1 DU
Matrix: Solid
Analysis Batch: 1043497

Client Sample ID: SB-1(5-7)
Prep Type: Total/NA
Prep Batch: 1043496

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	3770		3722		mg/Kg	☼	1	20
Antimony	0.80	U	0.76	U	mg/Kg	☼	NC	20
Arsenic	0.74	J	0.697	J	mg/Kg	☼	5	20
Barium	19.9		20.33		mg/Kg	☼	2	20
Beryllium	0.20	J	0.190	J	mg/Kg	☼	6	20
Cadmium	0.80	U	0.76	U	mg/Kg	☼	NC	20
Calcium	651		633.3		mg/Kg	☼	3	20
Chromium	9.0		8.50		mg/Kg	☼	6	20
Cobalt	3.0		3.00		mg/Kg	☼	0.9	20
Copper	8.7		8.36		mg/Kg	☼	3	20
Iron	7720		6972		mg/Kg	☼	10	20
Lead	2.6		2.57		mg/Kg	☼	2	20
Magnesium	1810		1736		mg/Kg	☼	4	20
Manganese	189		199.4		mg/Kg	☼	5	20
Nickel	7.7		7.70		mg/Kg	☼	0.08	20
Potassium	517		475.2		mg/Kg	☼	9	20
Selenium	0.99	U	0.95	U	mg/Kg	☼	NC	20
Silver	0.32	U	0.30	U	mg/Kg	☼	NC	20
Sodium	76.6	J	67.12	J	mg/Kg	☼	13	20
Thallium	0.042	J	0.0451	J	mg/Kg	☼	7	20
Vanadium	10.4		9.51		mg/Kg	☼	9	20
Zinc	17.9		18.37		mg/Kg	☼	3	20

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-1042684/1-A
Matrix: Solid
Analysis Batch: 1042736

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042684

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		06/11/25 01:10	06/11/25 05:40	1

Lab Sample ID: LCSSRM 460-1042684/2-A ^40
Matrix: Solid
Analysis Batch: 1042736

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042684

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			14.1	13.85		mg/Kg		98.2	69.6 - 130.5		

Lab Sample ID: 460-327626-A-6-D MS
Matrix: Solid
Analysis Batch: 1042736

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1042684

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.051		0.0885	0.151		mg/Kg	☼	113	80 - 120		

Lab Sample ID: 460-327626-A-6-C DU
Matrix: Solid
Analysis Batch: 1042736

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1042684

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.051			0.0534		mg/Kg	☼			5	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-327673-A-39 DU
Matrix: Solid
Analysis Batch: 1042268

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	5.1			18.0	*	%				112	20
Percent Solids	94.9			82.0		%				15	20

GC/MS VOA

Prep Batch: 1042506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327695-1	SB-1(5-7)	Total/NA	Solid	5035	
460-327695-2	SB-1(14-15)	Total/NA	Solid	5035	
460-327695-3	SB-2(5-7)	Total/NA	Solid	5035	
460-327695-4	SB-2(14-15)	Total/NA	Solid	5035	
460-327695-5	SB-2(21-22)	Total/NA	Solid	5035	
460-327695-6	SB-3(5-7)	Total/NA	Solid	5035	
460-327695-7	SB-3(14-15)	Total/NA	Solid	5035	
460-327695-8	SB-4(5-7)	Total/NA	Solid	5035	
460-327695-9	SB-4(14-15)	Total/NA	Solid	5035	
460-327695-10	SB-4(21-22)	Total/NA	Solid	5035	

Analysis Batch: 1043167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327695-1	SB-1(5-7)	Total/NA	Solid	8260D	1042506
460-327695-2	SB-1(14-15)	Total/NA	Solid	8260D	1042506
460-327695-3	SB-2(5-7)	Total/NA	Solid	8260D	1042506
460-327695-4	SB-2(14-15)	Total/NA	Solid	8260D	1042506
MB 460-1043167/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1043167/2	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1043167/3	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1043273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327695-5	SB-2(21-22)	Total/NA	Solid	8260D	1042506
460-327695-6	SB-3(5-7)	Total/NA	Solid	8260D	1042506
460-327695-7	SB-3(14-15)	Total/NA	Solid	8260D	1042506
460-327695-8	SB-4(5-7)	Total/NA	Solid	8260D	1042506
460-327695-9	SB-4(14-15)	Total/NA	Solid	8260D	1042506
460-327695-10	SB-4(21-22)	Total/NA	Solid	8260D	1042506
MB 460-1043273/6	Method Blank	Total/NA	Solid	8260D	
LCS 460-1043273/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1043273/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 1042128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327695-1	SB-1(5-7)	Total/NA	Solid	3546	
460-327695-2	SB-1(14-15)	Total/NA	Solid	3546	
460-327695-3	SB-2(5-7)	Total/NA	Solid	3546	
460-327695-4	SB-2(14-15)	Total/NA	Solid	3546	
460-327695-5	SB-2(21-22)	Total/NA	Solid	3546	
460-327695-6	SB-3(5-7)	Total/NA	Solid	3546	
460-327695-7	SB-3(14-15)	Total/NA	Solid	3546	
460-327695-8	SB-4(5-7)	Total/NA	Solid	3546	
460-327695-9	SB-4(14-15)	Total/NA	Solid	3546	
460-327695-10	SB-4(21-22)	Total/NA	Solid	3546	
MB 460-1042128/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1042128/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1042128/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-327594-B-1-A MS	Matrix Spike	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 1042128 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327594-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1042246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327695-1	SB-1(5-7)	Total/NA	Solid	8270E	1042128
460-327695-2	SB-1(14-15)	Total/NA	Solid	8270E	1042128
460-327695-3	SB-2(5-7)	Total/NA	Solid	8270E	1042128
460-327695-4	SB-2(14-15)	Total/NA	Solid	8270E	1042128
460-327695-5	SB-2(21-22)	Total/NA	Solid	8270E	1042128
460-327695-6	SB-3(5-7)	Total/NA	Solid	8270E	1042128
460-327695-7	SB-3(14-15)	Total/NA	Solid	8270E	1042128
460-327695-8	SB-4(5-7)	Total/NA	Solid	8270E	1042128
460-327695-9	SB-4(14-15)	Total/NA	Solid	8270E	1042128
460-327695-10	SB-4(21-22)	Total/NA	Solid	8270E	1042128
MB 460-1042128/1-A	Method Blank	Total/NA	Solid	8270E	1042128
LCS 460-1042128/2-A	Lab Control Sample	Total/NA	Solid	8270E	1042128
LCSD 460-1042128/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1042128
460-327594-B-1-A MS	Matrix Spike	Total/NA	Solid	8270E	1042128
460-327594-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	1042128

GC Semi VOA

Prep Batch: 1042170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327695-1	SB-1(5-7)	Total/NA	Solid	3546	
460-327695-2	SB-1(14-15)	Total/NA	Solid	3546	
460-327695-3	SB-2(5-7)	Total/NA	Solid	3546	
460-327695-4	SB-2(14-15)	Total/NA	Solid	3546	
460-327695-5	SB-2(21-22)	Total/NA	Solid	3546	
460-327695-6	SB-3(5-7)	Total/NA	Solid	3546	
460-327695-7	SB-3(14-15)	Total/NA	Solid	3546	
460-327695-8	SB-4(5-7)	Total/NA	Solid	3546	
460-327695-9	SB-4(14-15)	Total/NA	Solid	3546	
460-327695-10	SB-4(21-22)	Total/NA	Solid	3546	
MB 460-1042170/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1042170/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1042170/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-327695-1 MS	SB-1(5-7)	Total/NA	Solid	3546	
460-327695-1 MSD	SB-1(5-7)	Total/NA	Solid	3546	

Prep Batch: 1042171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327695-1	SB-1(5-7)	Total/NA	Solid	3546	
460-327695-2	SB-1(14-15)	Total/NA	Solid	3546	
460-327695-3	SB-2(5-7)	Total/NA	Solid	3546	
460-327695-4	SB-2(14-15)	Total/NA	Solid	3546	
460-327695-5	SB-2(21-22)	Total/NA	Solid	3546	
460-327695-6	SB-3(5-7)	Total/NA	Solid	3546	
460-327695-7	SB-3(14-15)	Total/NA	Solid	3546	
460-327695-8	SB-4(5-7)	Total/NA	Solid	3546	
460-327695-9	SB-4(14-15)	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 1042171 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327695-10	SB-4(21-22)	Total/NA	Solid	3546	
MB 460-1042171/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1042171/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1042171/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-327695-1 MS	SB-1(5-7)	Total/NA	Solid	3546	
460-327695-1 MSD	SB-1(5-7)	Total/NA	Solid	3546	

Analysis Batch: 1042206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327695-1	SB-1(5-7)	Total/NA	Solid	8082A	1042170
460-327695-2	SB-1(14-15)	Total/NA	Solid	8082A	1042170
460-327695-3	SB-2(5-7)	Total/NA	Solid	8082A	1042170
460-327695-4	SB-2(14-15)	Total/NA	Solid	8082A	1042170
460-327695-5	SB-2(21-22)	Total/NA	Solid	8082A	1042170
460-327695-6	SB-3(5-7)	Total/NA	Solid	8082A	1042170
460-327695-7	SB-3(14-15)	Total/NA	Solid	8082A	1042170
460-327695-8	SB-4(5-7)	Total/NA	Solid	8082A	1042170
460-327695-9	SB-4(14-15)	Total/NA	Solid	8082A	1042170
460-327695-10	SB-4(21-22)	Total/NA	Solid	8082A	1042170
MB 460-1042170/1-A	Method Blank	Total/NA	Solid	8082A	1042170
LCS 460-1042170/2-A	Lab Control Sample	Total/NA	Solid	8082A	1042170
LCSD 460-1042170/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	1042170
460-327695-1 MS	SB-1(5-7)	Total/NA	Solid	8082A	1042170
460-327695-1 MSD	SB-1(5-7)	Total/NA	Solid	8082A	1042170

Analysis Batch: 1042283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327695-1	SB-1(5-7)	Total/NA	Solid	8081B	1042171
460-327695-2	SB-1(14-15)	Total/NA	Solid	8081B	1042171
460-327695-3	SB-2(5-7)	Total/NA	Solid	8081B	1042171
460-327695-4	SB-2(14-15)	Total/NA	Solid	8081B	1042171
460-327695-5	SB-2(21-22)	Total/NA	Solid	8081B	1042171
460-327695-6	SB-3(5-7)	Total/NA	Solid	8081B	1042171
460-327695-7	SB-3(14-15)	Total/NA	Solid	8081B	1042171
460-327695-8	SB-4(5-7)	Total/NA	Solid	8081B	1042171
460-327695-9	SB-4(14-15)	Total/NA	Solid	8081B	1042171
460-327695-10	SB-4(21-22)	Total/NA	Solid	8081B	1042171
MB 460-1042171/1-A	Method Blank	Total/NA	Solid	8081B	1042171
LCS 460-1042171/2-A	Lab Control Sample	Total/NA	Solid	8081B	1042171
LCSD 460-1042171/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	1042171
460-327695-1 MS	SB-1(5-7)	Total/NA	Solid	8081B	1042171
460-327695-1 MSD	SB-1(5-7)	Total/NA	Solid	8081B	1042171

Metals

Prep Batch: 1042684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327695-1	SB-1(5-7)	Total/NA	Solid	7471B	
460-327695-2	SB-1(14-15)	Total/NA	Solid	7471B	
460-327695-3	SB-2(5-7)	Total/NA	Solid	7471B	
460-327695-4	SB-2(14-15)	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 1042684 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327695-5	SB-2(21-22)	Total/NA	Solid	7471B	
460-327695-6	SB-3(5-7)	Total/NA	Solid	7471B	
460-327695-7	SB-3(14-15)	Total/NA	Solid	7471B	
460-327695-8	SB-4(5-7)	Total/NA	Solid	7471B	
460-327695-9	SB-4(14-15)	Total/NA	Solid	7471B	
460-327695-10	SB-4(21-22)	Total/NA	Solid	7471B	
MB 460-1042684/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1042684/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-327626-A-6-D MS	Matrix Spike	Total/NA	Solid	7471B	
460-327626-A-6-C DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 1042736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327695-1	SB-1(5-7)	Total/NA	Solid	7471B	1042684
460-327695-2	SB-1(14-15)	Total/NA	Solid	7471B	1042684
460-327695-3	SB-2(5-7)	Total/NA	Solid	7471B	1042684
460-327695-4	SB-2(14-15)	Total/NA	Solid	7471B	1042684
460-327695-5	SB-2(21-22)	Total/NA	Solid	7471B	1042684
460-327695-6	SB-3(5-7)	Total/NA	Solid	7471B	1042684
460-327695-7	SB-3(14-15)	Total/NA	Solid	7471B	1042684
460-327695-8	SB-4(5-7)	Total/NA	Solid	7471B	1042684
460-327695-9	SB-4(14-15)	Total/NA	Solid	7471B	1042684
460-327695-10	SB-4(21-22)	Total/NA	Solid	7471B	1042684
MB 460-1042684/1-A	Method Blank	Total/NA	Solid	7471B	1042684
LCSSRM 460-1042684/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	1042684
460-327626-A-6-D MS	Matrix Spike	Total/NA	Solid	7471B	1042684
460-327626-A-6-C DU	Duplicate	Total/NA	Solid	7471B	1042684

Prep Batch: 1043496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327695-1	SB-1(5-7)	Total/NA	Solid	3050B	
460-327695-2	SB-1(14-15)	Total/NA	Solid	3050B	
460-327695-3	SB-2(5-7)	Total/NA	Solid	3050B	
460-327695-4	SB-2(14-15)	Total/NA	Solid	3050B	
460-327695-5	SB-2(21-22)	Total/NA	Solid	3050B	
460-327695-6	SB-3(5-7)	Total/NA	Solid	3050B	
460-327695-7	SB-3(14-15)	Total/NA	Solid	3050B	
460-327695-8	SB-4(5-7)	Total/NA	Solid	3050B	
460-327695-9	SB-4(14-15)	Total/NA	Solid	3050B	
460-327695-10	SB-4(21-22)	Total/NA	Solid	3050B	
MB 460-1043496/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-1043496/2-A ^	Lab Control Sample	Total/NA	Solid	3050B	
460-327695-1 MS	SB-1(5-7)	Total/NA	Solid	3050B	
460-327695-1 DU	SB-1(5-7)	Total/NA	Solid	3050B	

Analysis Batch: 1043497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327695-1	SB-1(5-7)	Total/NA	Solid	6020B	1043496
460-327695-2	SB-1(14-15)	Total/NA	Solid	6020B	1043496
460-327695-3	SB-2(5-7)	Total/NA	Solid	6020B	1043496
460-327695-4	SB-2(14-15)	Total/NA	Solid	6020B	1043496

Metals (Continued)

Analysis Batch: 1043497 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327695-5	SB-2(21-22)	Total/NA	Solid	6020B	1043496
460-327695-6	SB-3(5-7)	Total/NA	Solid	6020B	1043496
460-327695-7	SB-3(14-15)	Total/NA	Solid	6020B	1043496
460-327695-8	SB-4(5-7)	Total/NA	Solid	6020B	1043496
460-327695-9	SB-4(14-15)	Total/NA	Solid	6020B	1043496
460-327695-10	SB-4(21-22)	Total/NA	Solid	6020B	1043496
MB 460-1043496/1-A	Method Blank	Total/NA	Solid	6020B	1043496
LCSSRM 460-1043496/2-A ^	Lab Control Sample	Total/NA	Solid	6020B	1043496
460-327695-1 MS	SB-1(5-7)	Total/NA	Solid	6020B	1043496
460-327695-1 DU	SB-1(5-7)	Total/NA	Solid	6020B	1043496

General Chemistry

Analysis Batch: 1042268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327695-1	SB-1(5-7)	Total/NA	Solid	Moisture	
460-327695-2	SB-1(14-15)	Total/NA	Solid	Moisture	
460-327695-3	SB-2(5-7)	Total/NA	Solid	Moisture	
460-327695-4	SB-2(14-15)	Total/NA	Solid	Moisture	
460-327695-5	SB-2(21-22)	Total/NA	Solid	Moisture	
460-327695-6	SB-3(5-7)	Total/NA	Solid	Moisture	
460-327695-7	SB-3(14-15)	Total/NA	Solid	Moisture	
460-327695-8	SB-4(5-7)	Total/NA	Solid	Moisture	
460-327695-9	SB-4(14-15)	Total/NA	Solid	Moisture	
460-327695-10	SB-4(21-22)	Total/NA	Solid	Moisture	
460-327673-A-39 DU	Duplicate	Total/NA	Solid	Moisture	

Client Sample ID: SB-1(5-7)
Date Collected: 06/05/25 08:45
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1042268	CJC	EET EDI	06/08/25 14:58

Client Sample ID: SB-1(5-7)
Date Collected: 06/05/25 08:45
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-1
Matrix: Solid
Percent Solids: 98.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1042506	JCZ	EET EDI	06/10/25 07:38
Total/NA	Analysis	8260D		1	1043167	AAT	EET EDI	06/13/25 01:09
Total/NA	Prep	3546			1042128	BJB	EET EDI	06/07/25 09:51
Total/NA	Analysis	8270E		1	1042246	YAH	EET EDI	06/08/25 15:58
Total/NA	Prep	3546			1042171	ZXB	EET EDI	06/07/25 18:43
Total/NA	Analysis	8081B		1	1042283	FAM	EET EDI	06/09/25 08:43
Total/NA	Prep	3546			1042170	ZXB	EET EDI	06/07/25 18:41
Total/NA	Analysis	8082A		1	1042206	FAM	EET EDI	06/08/25 12:24
Total/NA	Prep	3050B			1043496	GAE	EET EDI	06/13/25 16:25
Total/NA	Analysis	6020B		1	1043497	CDC	EET EDI	06/14/25 02:59
Total/NA	Prep	7471B			1042684	TJS	EET EDI	06/11/25 01:10
Total/NA	Analysis	7471B		1	1042736	TJS	EET EDI	06/11/25 06:08

Client Sample ID: SB-1(14-15)
Date Collected: 06/05/25 09:00
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1042268	CJC	EET EDI	06/08/25 14:58

Client Sample ID: SB-1(14-15)
Date Collected: 06/05/25 09:00
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-2
Matrix: Solid
Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1042506	JCZ	EET EDI	06/10/25 07:38
Total/NA	Analysis	8260D		1	1043167	AAT	EET EDI	06/13/25 01:33
Total/NA	Prep	3546			1042128	BJB	EET EDI	06/07/25 09:51
Total/NA	Analysis	8270E		1	1042246	YAH	EET EDI	06/08/25 16:15
Total/NA	Prep	3546			1042171	ZXB	EET EDI	06/07/25 18:43
Total/NA	Analysis	8081B		1	1042283	FAM	EET EDI	06/09/25 09:22
Total/NA	Prep	3546			1042170	ZXB	EET EDI	06/07/25 18:41
Total/NA	Analysis	8082A		1	1042206	FAM	EET EDI	06/08/25 12:41
Total/NA	Prep	3050B			1043496	GAE	EET EDI	06/13/25 16:25
Total/NA	Analysis	6020B		1	1043497	CDC	EET EDI	06/14/25 03:35
Total/NA	Prep	7471B			1042684	TJS	EET EDI	06/11/25 01:10
Total/NA	Analysis	7471B		1	1042736	TJS	EET EDI	06/11/25 06:10

Client Sample ID: SB-2(5-7)
Date Collected: 06/05/25 09:50
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1042268	CJC	EET EDI	06/08/25 14:58

Client Sample ID: SB-2(5-7)
Date Collected: 06/05/25 09:50
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-3
Matrix: Solid
Percent Solids: 96.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1042506	JCZ	EET EDI	06/10/25 07:39
Total/NA	Analysis	8260D		1	1043167	AAT	EET EDI	06/13/25 01:57
Total/NA	Prep	3546			1042128	BJB	EET EDI	06/07/25 09:51
Total/NA	Analysis	8270E		1	1042246	YAH	EET EDI	06/08/25 16:33
Total/NA	Prep	3546			1042171	ZXB	EET EDI	06/07/25 18:43
Total/NA	Analysis	8081B		1	1042283	FAM	EET EDI	06/09/25 09:35
Total/NA	Prep	3546			1042170	ZXB	EET EDI	06/07/25 18:41
Total/NA	Analysis	8082A		1	1042206	FAM	EET EDI	06/08/25 12:57
Total/NA	Prep	3050B			1043496	GAE	EET EDI	06/13/25 16:25
Total/NA	Analysis	6020B		1	1043497	CDC	EET EDI	06/14/25 03:40
Total/NA	Prep	7471B			1042684	TJS	EET EDI	06/11/25 01:10
Total/NA	Analysis	7471B		1	1042736	TJS	EET EDI	06/11/25 06:12

Client Sample ID: SB-2(14-15)
Date Collected: 06/05/25 10:00
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1042268	CJC	EET EDI	06/08/25 14:58

Client Sample ID: SB-2(14-15)
Date Collected: 06/05/25 10:00
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-4
Matrix: Solid
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1042506	JCZ	EET EDI	06/10/25 07:39
Total/NA	Analysis	8260D		1	1043167	AAT	EET EDI	06/13/25 02:20
Total/NA	Prep	3546			1042128	BJB	EET EDI	06/07/25 09:51
Total/NA	Analysis	8270E		1	1042246	YAH	EET EDI	06/08/25 16:50
Total/NA	Prep	3546			1042171	ZXB	EET EDI	06/07/25 18:43
Total/NA	Analysis	8081B		1	1042283	FAM	EET EDI	06/09/25 09:48
Total/NA	Prep	3546			1042170	ZXB	EET EDI	06/07/25 18:41
Total/NA	Analysis	8082A		1	1042206	FAM	EET EDI	06/08/25 13:14
Total/NA	Prep	3050B			1043496	GAE	EET EDI	06/13/25 16:25
Total/NA	Analysis	6020B		1	1043497	CDC	EET EDI	06/14/25 03:49
Total/NA	Prep	7471B			1042684	TJS	EET EDI	06/11/25 01:10
Total/NA	Analysis	7471B		1	1042736	TJS	EET EDI	06/11/25 06:14

Client Sample ID: SB-2(21-22)
Date Collected: 06/05/25 10:10
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1042268	CJC	EET EDI	06/08/25 14:58

Client Sample ID: SB-2(21-22)
Date Collected: 06/05/25 10:10
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-5
Matrix: Solid
Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1042506	JCZ	EET EDI	06/10/25 07:40
Total/NA	Analysis	8260D		1	1043273	AAT	EET EDI	06/13/25 09:26
Total/NA	Prep	3546			1042128	BJB	EET EDI	06/07/25 09:51
Total/NA	Analysis	8270E		1	1042246	YAH	EET EDI	06/08/25 17:08
Total/NA	Prep	3546			1042171	ZXB	EET EDI	06/07/25 18:43
Total/NA	Analysis	8081B		1	1042283	FAM	EET EDI	06/09/25 10:01
Total/NA	Prep	3546			1042170	ZXB	EET EDI	06/07/25 18:41
Total/NA	Analysis	8082A		1	1042206	FAM	EET EDI	06/08/25 13:30
Total/NA	Prep	3050B			1043496	GAE	EET EDI	06/13/25 16:25
Total/NA	Analysis	6020B		1	1043497	CDC	EET EDI	06/14/25 03:52
Total/NA	Prep	7471B			1042684	TJS	EET EDI	06/11/25 01:10
Total/NA	Analysis	7471B		1	1042736	TJS	EET EDI	06/11/25 06:15

Client Sample ID: SB-3(5-7)
Date Collected: 06/05/25 10:40
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1042268	CJC	EET EDI	06/08/25 14:58

Client Sample ID: SB-3(5-7)
Date Collected: 06/05/25 10:40
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-6
Matrix: Solid
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1042506	JCZ	EET EDI	06/10/25 07:40
Total/NA	Analysis	8260D		1	1043273	AAT	EET EDI	06/13/25 09:51
Total/NA	Prep	3546			1042128	BJB	EET EDI	06/07/25 09:51
Total/NA	Analysis	8270E		1	1042246	YAH	EET EDI	06/08/25 17:25
Total/NA	Prep	3546			1042171	ZXB	EET EDI	06/07/25 18:43
Total/NA	Analysis	8081B		1	1042283	FAM	EET EDI	06/09/25 10:14
Total/NA	Prep	3546			1042170	ZXB	EET EDI	06/07/25 18:41
Total/NA	Analysis	8082A		1	1042206	FAM	EET EDI	06/08/25 13:47
Total/NA	Prep	3050B			1043496	GAE	EET EDI	06/13/25 16:25
Total/NA	Analysis	6020B		1	1043497	CDC	EET EDI	06/14/25 03:54
Total/NA	Prep	7471B			1042684	TJS	EET EDI	06/11/25 01:10
Total/NA	Analysis	7471B		1	1042736	TJS	EET EDI	06/11/25 06:17

Client Sample ID: SB-3(14-15)
Date Collected: 06/05/25 10:55
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1042268	CJC	EET EDI	06/08/25 14:58

Client Sample ID: SB-3(14-15)
Date Collected: 06/05/25 10:55
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-7
Matrix: Solid
Percent Solids: 97.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1042506	JCZ	EET EDI	06/10/25 07:41
Total/NA	Analysis	8260D		1	1043273	AAT	EET EDI	06/13/25 10:16
Total/NA	Prep	3546			1042128	BJB	EET EDI	06/07/25 09:51
Total/NA	Analysis	8270E		1	1042246	YAH	EET EDI	06/08/25 17:42
Total/NA	Prep	3546			1042171	ZXB	EET EDI	06/07/25 18:43
Total/NA	Analysis	8081B		1	1042283	FAM	EET EDI	06/09/25 10:27
Total/NA	Prep	3546			1042170	ZXB	EET EDI	06/07/25 18:41
Total/NA	Analysis	8082A		1	1042206	FAM	EET EDI	06/08/25 14:04
Total/NA	Prep	3050B			1043496	GAE	EET EDI	06/13/25 16:25
Total/NA	Analysis	6020B		1	1043497	CDC	EET EDI	06/14/25 03:57
Total/NA	Prep	7471B			1042684	TJS	EET EDI	06/11/25 01:10
Total/NA	Analysis	7471B		1	1042736	TJS	EET EDI	06/11/25 06:23

Client Sample ID: SB-4(5-7)
Date Collected: 06/05/25 12:10
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1042268	CJC	EET EDI	06/08/25 14:58

Client Sample ID: SB-4(5-7)
Date Collected: 06/05/25 12:10
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-8
Matrix: Solid
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1042506	JCZ	EET EDI	06/10/25 07:41
Total/NA	Analysis	8260D		1	1043273	AAT	EET EDI	06/13/25 10:42
Total/NA	Prep	3546			1042128	BJB	EET EDI	06/07/25 09:51
Total/NA	Analysis	8270E		1	1042246	YAH	EET EDI	06/08/25 18:00
Total/NA	Prep	3546			1042171	ZXB	EET EDI	06/07/25 18:43
Total/NA	Analysis	8081B		1	1042283	FAM	EET EDI	06/09/25 10:40
Total/NA	Prep	3546			1042170	ZXB	EET EDI	06/07/25 18:41
Total/NA	Analysis	8082A		1	1042206	FAM	EET EDI	06/08/25 14:21
Total/NA	Prep	3050B			1043496	GAE	EET EDI	06/13/25 16:25
Total/NA	Analysis	6020B		1	1043497	CDC	EET EDI	06/14/25 04:00
Total/NA	Prep	7471B			1042684	TJS	EET EDI	06/11/25 01:10
Total/NA	Analysis	7471B		1	1042736	TJS	EET EDI	06/11/25 06:24

Lab Chronicle

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Client Sample ID: SB-4(14-15)
Date Collected: 06/05/25 12:20
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1042268	CJC	EET EDI	06/08/25 14:58

Client Sample ID: SB-4(14-15)
Date Collected: 06/05/25 12:20
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-9
Matrix: Solid
Percent Solids: 98.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1042506	JCZ	EET EDI	06/10/25 07:42
Total/NA	Analysis	8260D		1	1043273	AAT	EET EDI	06/13/25 11:07
Total/NA	Prep	3546			1042128	BJB	EET EDI	06/07/25 09:51
Total/NA	Analysis	8270E		1	1042246	YAH	EET EDI	06/08/25 18:17
Total/NA	Prep	3546			1042171	ZXB	EET EDI	06/07/25 18:43
Total/NA	Analysis	8081B		1	1042283	FAM	EET EDI	06/09/25 11:06
Total/NA	Prep	3546			1042170	ZXB	EET EDI	06/07/25 18:41
Total/NA	Analysis	8082A		1	1042206	FAM	EET EDI	06/08/25 14:54
Total/NA	Prep	3050B			1043496	GAE	EET EDI	06/13/25 16:25
Total/NA	Analysis	6020B		1	1043497	CDC	EET EDI	06/14/25 04:03
Total/NA	Prep	7471B			1042684	TJS	EET EDI	06/11/25 01:10
Total/NA	Analysis	7471B		1	1042736	TJS	EET EDI	06/11/25 06:26

Client Sample ID: SB-4(21-22)
Date Collected: 06/05/25 12:30
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1042268	CJC	EET EDI	06/08/25 14:58

Client Sample ID: SB-4(21-22)
Date Collected: 06/05/25 12:30
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327695-10
Matrix: Solid
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1042506	JCZ	EET EDI	06/10/25 07:42
Total/NA	Analysis	8260D		1	1043273	AAT	EET EDI	06/13/25 11:32
Total/NA	Prep	3546			1042128	BJB	EET EDI	06/07/25 09:51
Total/NA	Analysis	8270E		1	1042246	YAH	EET EDI	06/08/25 18:35
Total/NA	Prep	3546			1042171	ZXB	EET EDI	06/07/25 18:43
Total/NA	Analysis	8081B		1	1042283	FAM	EET EDI	06/09/25 10:53
Total/NA	Prep	3546			1042170	ZXB	EET EDI	06/07/25 18:41
Total/NA	Analysis	8082A		1	1042206	FAM	EET EDI	06/08/25 14:37
Total/NA	Prep	3050B			1043496	GAE	EET EDI	06/13/25 16:25
Total/NA	Analysis	6020B		1	1043497	CDC	EET EDI	06/14/25 04:06
Total/NA	Prep	7471B			1042684	TJS	EET EDI	06/11/25 01:10
Total/NA	Analysis	7471B		1	1042736	TJS	EET EDI	06/11/25 06:28

Lab Chronicle

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
3050B	Preparation, Metals	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327695-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-327695-1	SB-1(5-7)	Solid	06/05/25 08:45	06/05/25 20:00
460-327695-2	SB-1(14-15)	Solid	06/05/25 09:00	06/05/25 20:00
460-327695-3	SB-2(5-7)	Solid	06/05/25 09:50	06/05/25 20:00
460-327695-4	SB-2(14-15)	Solid	06/05/25 10:00	06/05/25 20:00
460-327695-5	SB-2(21-22)	Solid	06/05/25 10:10	06/05/25 20:00
460-327695-6	SB-3(5-7)	Solid	06/05/25 10:40	06/05/25 20:00
460-327695-7	SB-3(14-15)	Solid	06/05/25 10:55	06/05/25 20:00
460-327695-8	SB-4(5-7)	Solid	06/05/25 12:10	06/05/25 20:00
460-327695-9	SB-4(14-15)	Solid	06/05/25 12:20	06/05/25 20:00
460-327695-10	SB-4(21-22)	Solid	06/05/25 12:30	06/05/25 20:00

Chain of Custody Record 761389

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Address _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: William J. Fitchett	Site Contact: W Fitchett	Date: 6/5/25	COC No: 1 of 1 COCs
Company Name: GEI Consultants	Tel/Email: wjfitchett@geiconsultants.com	Lab Contact: K. Proulx	Carrier: Courier	Sampler: W Fitchett
Address: 1000 New York Ave, Ste B	Analysis Turnaround Time: ☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only: Walk-in Client: / Lab Sampling:
City/State/Zip: Huntington Station NY 11746	TAT if different from Below: ☐ 2 weeks ☐ 1 week ☑ standard ☐ 2 days ☐ 1 day			Job / SDG No.
Phone: 631-768-9300				
Fax.				
Project Name: 28-12 41st Ave				
Site: 28-12 41st Ave, Queens, NY				
PO # 7502602				327695

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs 8260	SVOCs 8270 BIN	Pest/PCB 8081/8082	TAL Metals 6010+7471
SB-1 (5-7)	6/5/25	845	G/C	S	5			X	X	X	X
SB-1 (14-15)		900						X	X	X	X
SB-2 (5-7)		950						X	X	X	X
SB-2 (14-15)		1000						X	X	X	X
SB-2 (21-22)		1010						X	X	X	X
SB-3 (5-7)		1040						X	X	X	X
SB-3 (14-15)		1055						X	X	X	X
SB-4 (5-7)		1210						X	X	X	X
SB-4 (14-15)		1220						X	X	X	X
SB-4 (21-22)		1230						X	X	X	X

SHORT HOLD

460-327695 Chain of Custody

ELMSFORD 212

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Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments. Please include Nick Recchia on results nrecchia@geiconsultants.com

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp. (°C): Obs'd: 3.0 Corr'd: _____ | Therm ID No.: _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
WJF	GEI			D&S	6/5/25 1200
[signature] ETA	06-5-25	1200	[signature]	06-5-25	ETA 1700
[signature]	06-5-25	2000pm	Received in Laboratory by: [signature]	ETA	6/5 1715 2000

6/16/2025

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 327695

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.0 °C	3.4 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below*

Sample No(s). adjusted*: _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

**Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials. RN Date: 6/6/25

Login Sample Receipt Checklist

Client: GEI Consultants Inc

Job Number: 460-327695-1

Login Number: 327695
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: William Fitchett
GEI Consultants Inc
1000 New York Avenue
Huntington Station, New York 11746

Generated 6/16/2025 10:13:52 AM

JOB DESCRIPTION

28-12 41st Avenue

JOB NUMBER

460-327863-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Job Notes

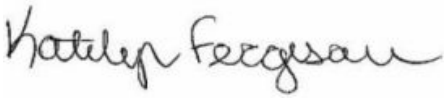
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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization



Generated
6/16/2025 10:13:52 AM

Authorized for release by
Katelyn Ferguson, Project Manager I
katelyn.ferguson@et.eurofinsus.com
Designee for
Katelyn Connelly, Project Manager I
Katelyn.Connelly@et.eurofinsus.com
(732)549-3900

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-327863-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/6/2025 8:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples SB-5 (5-7) (460-327863-1) and SB-5 (14-15) (460-327863-2) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 6/10/2025 and analyzed on 6/12/2025.

Four surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: SB-5 (14-15) (460-327863-2). These results have been reported and qualified.

The continuing calibration verification (CCV) associated with batch 460-1042988 recovered above the upper control limit for Methyl acetate. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-1042988 recovered outside control limits for the following analyte: Methyl acetate. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples SB-5 (5-7) (460-327863-1) and SB-5 (14-15) (460-327863-2) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared and analyzed on 6/9/2025.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-1042339 and analytical batch 460-1042412 recovered outside control limits for the following analytes: Atrazine. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

Method 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Samples SB-5 (5-7) (460-327863-1) and SB-5 (14-15) (460-327863-2) were analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The samples were prepared on 6/9/2025 and 6/10/2025 and analyzed on 6/9/2025 and 6/11/2025.

Method 8081B - Organochlorine Pesticides (GC)
Samples SB-5 (5-7) (460-327863-1) and SB-5 (14-15) (460-327863-2) were analyzed for Organochlorine Pesticides (GC). The samples were prepared on 6/10/2025 and analyzed on 6/11/2025.

Method 6020B - Metals (ICP/MS)
Samples SB-5 (5-7) (460-327863-1) and SB-5 (14-15) (460-327863-2) were analyzed for Metals (ICP/MS). The samples were prepared on 6/12/2025 and analyzed on 6/13/2025.

Method 7471B - Mercury (CVAA)
Samples SB-5 (5-7) (460-327863-1) and SB-5 (14-15) (460-327863-2) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 6/13/2025.

Method Moisture - Percent Moisture

Job ID: 460-327863-1 (Continued)

Samples SB-5 (5-7) (460-327863-1) and SB-5 (14-15) (460-327863-2) were analyzed for Percent Moisture. The samples were analyzed on 6/8/2025.

Client Sample ID: SB-5 (5-7) — Lab Sample ID: 460-327863-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00020	J	0.00075	0.00018	mg/Kg	1	☼	8260D	Total/NA
Benzo[a]anthracene	0.035		0.034	0.026	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.030	J	0.034	0.0091	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.038		0.034	0.0088	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.022	J	0.34	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.018	J	0.034	0.0067	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.032	J	0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.056	J	0.34	0.012	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.019	J	0.034	0.013	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.042	J	0.34	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.050	J	0.34	0.0085	mg/Kg	1	☼	8270E	Total/NA
Aluminum	6110		15.8	4.3	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.5		0.79	0.081	mg/Kg	1	☼	6020B	Total/NA
Barium	18.6		1.6	0.11	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.31	J	0.32	0.017	mg/Kg	1	☼	6020B	Total/NA
Calcium	936		79.0	7.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	21.3		1.6	0.23	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.2		1.6	0.12	mg/Kg	1	☼	6020B	Total/NA
Copper	7.5		1.6	0.29	mg/Kg	1	☼	6020B	Total/NA
Iron	14100		47.4	6.0	mg/Kg	1	☼	6020B	Total/NA
Lead	5.5		0.47	0.16	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1530		79.0	8.1	mg/Kg	1	☼	6020B	Total/NA
Manganese	325		3.2	0.32	mg/Kg	1	☼	6020B	Total/NA
Nickel	11.3		1.6	0.14	mg/Kg	1	☼	6020B	Total/NA
Potassium	456		79.0	12.8	mg/Kg	1	☼	6020B	Total/NA
Sodium	53.7	J	79.0	36.1	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.053	J	0.32	0.032	mg/Kg	1	☼	6020B	Total/NA
Vanadium	28.4		1.6	0.16	mg/Kg	1	☼	6020B	Total/NA
Zinc	57.5		6.3	0.86	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: SB-5 (14-15) — Lab Sample ID: 460-327863-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.00021	J	0.00061	0.00018	mg/Kg	1	☼	8260D	Total/NA
Di-n-butyl phthalate	0.027	J	0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.0066	J	0.36	0.0062	mg/Kg	1	☼	8270E	Total/NA
Aluminum	6290		16.5	4.5	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.0		0.83	0.085	mg/Kg	1	☼	6020B	Total/NA
Barium	27.9		1.7	0.12	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.31	J	0.33	0.018	mg/Kg	1	☼	6020B	Total/NA
Calcium	1520		82.6	8.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.8		1.7	0.25	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.0		1.7	0.12	mg/Kg	1	☼	6020B	Total/NA
Copper	11.5		1.7	0.30	mg/Kg	1	☼	6020B	Total/NA
Iron	11700		49.6	6.3	mg/Kg	1	☼	6020B	Total/NA
Lead	3.5		0.50	0.17	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2930		82.6	8.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	282		3.3	0.33	mg/Kg	1	☼	6020B	Total/NA
Nickel	11.1		1.7	0.15	mg/Kg	1	☼	6020B	Total/NA
Potassium	1120		82.6	13.4	mg/Kg	1	☼	6020B	Total/NA
Sodium	105		82.6	37.8	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-5 (14-15) (Continued)

Lab Sample ID: 460-327863-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thallium	0.087	J	0.33	0.034	mg/Kg	1	☼	6020B	Total/NA
Vanadium	20.4		1.7	0.17	mg/Kg	1	☼	6020B	Total/NA
Zinc	23.2		6.6	0.90	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327863-1

Client Sample ID: SB-5 (5-7)
Date Collected: 06/06/25 10:00
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327863-1
Matrix: Solid
Percent Solids: 95.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00075	U	0.00075	0.00018	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
1,1,2,2-Tetrachloroethane	0.00075	U	0.00075	0.00039	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00075	U	0.00075	0.00023	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
1,1,2-Trichloroethane	0.00075	U	0.00075	0.00045	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
1,1-Dichloroethane	0.00075	U	0.00075	0.00045	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
1,1-Dichloroethene	0.00075	U	0.00075	0.00017	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
1,2,3-Trichlorobenzene	0.00075	U	0.00075	0.00056	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
1,2,4-Trichlorobenzene	0.00075	U	0.00075	0.00027	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
1,2-Dibromo-3-Chloropropane	0.00075	U	0.00075	0.00035	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
1,2-Dichlorobenzene	0.00075	U	0.00075	0.00027	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
1,2-Dichloroethane	0.00075	U	0.00075	0.00022	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
1,2-Dichloropropane	0.00075	U	0.00075	0.00032	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
1,3-Dichlorobenzene	0.00075	U	0.00075	0.00028	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
1,4-Dichlorobenzene	0.00075	U	0.00075	0.00039	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
2-Butanone (MEK)	0.0038	U	0.0038	0.00028	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
2-Hexanone	0.0038	U	0.0038	0.0013	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
4-Methyl-2-pentanone (MIBK)	0.0038	U	0.0038	0.0012	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Acetone	0.0045	U	0.0045	0.0043	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Benzene	0.00075	U	0.00075	0.00043	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Bromoform	0.00075	U	0.00075	0.00032	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Bromomethane	0.0015	U	0.0015	0.00075	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Carbon disulfide	0.00075	U	0.00075	0.00020	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Carbon tetrachloride	0.00075	U	0.00075	0.00029	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Chlorobenzene	0.00075	U	0.00075	0.00038	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Chlorobromomethane	0.00075	U	0.00075	0.00045	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Chlorodibromomethane	0.00075	U	0.00075	0.00041	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Chloroethane	0.00075	U	0.00075	0.00039	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Chloroform	0.00075	U	0.00075	0.00073	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Chloromethane	0.00075	U	0.00075	0.00033	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
cis-1,2-Dichloroethene	0.00075	U	0.00075	0.00027	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
cis-1,3-Dichloropropene	0.00075	U	0.00075	0.00021	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Cyclohexane	0.00075	U	0.00075	0.00017	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Dichlorobromomethane	0.00075	U	0.00075	0.00019	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Dichlorodifluoromethane	0.00075	U	0.00075	0.00025	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Ethylbenzene	0.00075	U	0.00075	0.00035	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Ethylene Dibromide	0.00075	U	0.00075	0.00038	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Isopropylbenzene	0.00075	U	0.00075	0.00021	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Methyl acetate	0.0038	U *	0.0038	0.0032	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Methyl tert-butyl ether	0.00075	U	0.00075	0.00039	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Methylcyclohexane	0.00075	U	0.00075	0.00038	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Methylene Chloride	0.0015	U	0.0015	0.00086	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
m-Xylene & p-Xylene	0.00075	U	0.00075	0.00032	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
o-Xylene	0.00075	U	0.00075	0.00035	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Styrene	0.00075	U	0.00075	0.00021	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Tetrachloroethene	0.00075	U	0.00075	0.00023	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Toluene	**0.00020**	**J**	0.00075	0.00018	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
trans-1,2-Dichloroethene	0.00075	U	0.00075	0.00019	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
trans-1,3-Dichloropropene	0.00075	U	0.00075	0.00020	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Trichloroethene	0.00075	U	0.00075	0.00024	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327863-1

Client Sample ID: SB-5 (5-7)
Date Collected: 06/06/25 10:00
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327863-1
Matrix: Solid
Percent Solids: 95.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.00075	U	0.00075	0.00031	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1
Vinyl chloride	0.00075	U	0.00075	0.00041	mg/Kg	☼	06/10/25 07:55	06/12/25 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*65 - 138*	*06/10/25 07:55*	*06/12/25 13:18*	*1*
4-Bromofluorobenzene	*115*		*71 - 128*	*06/10/25 07:55*	*06/12/25 13:18*	*1*
Dibromofluoromethane (Surr)	*119*		*50 - 150*	*06/10/25 07:55*	*06/12/25 13:18*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*	*06/10/25 07:55*	*06/12/25 13:18*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.34	U	0.34	0.012	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
1,2,4,5-Tetrachlorobenzene	0.34	U	0.34	0.011	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
2,2'-oxybis[1-chloropropane]	0.34	U	0.34	0.020	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
2,3,4,6-Tetrachlorophenol	0.34	U	0.34	0.023	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
2,4,5-Trichlorophenol	0.34	U	0.34	0.035	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.044	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
2,4-Dimethylphenol	0.34	U	0.34	0.041	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
2,4-Dinitrophenol	0.27	U	0.27	0.17	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
2,4-Dinitrotoluene	0.069	U	0.069	0.037	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
2,6-Dinitrotoluene	0.069	U	0.069	0.025	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
2-Chloronaphthalene	0.34	U	0.34	0.044	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
2-Chlorophenol	0.34	U	0.34	0.012	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
2-Methylnaphthalene	0.34	U	0.34	0.0096	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
2-Nitroaniline	0.34	U	0.34	0.026	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
2-Nitrophenol	0.34	U	0.34	0.034	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.052	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
3-Nitroaniline	0.34	U	0.34	0.081	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
4-Bromophenyl phenyl ether	0.34	U	0.34	0.014	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
4-Chloro-3-methylphenol	0.34	U	0.34	0.019	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
4-Chloroaniline	0.34	U	0.34	0.061	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
4-Chlorophenyl phenyl ether	0.34	U	0.34	0.012	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
4-Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
4-Nitroaniline	0.34	U	0.34	0.087	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
4-Nitrophenol	0.69	U	0.69	0.056	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Acenaphthene	0.34	U	0.34	0.0097	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Acenaphthylene	0.34	U	0.34	0.0098	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Acetophenone	0.34	U	0.34	0.017	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Anthracene	0.34	U	0.34	0.010	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Atrazine	0.14	U *	0.14	0.020	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Benzaldehyde	0.34	U	0.34	0.056	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Benzo[a]anthracene	**0.035**		0.034	0.026	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Benzo[a]pyrene	**0.030**	**J**	0.034	0.0091	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Benzo[b]fluoranthene	**0.038**		0.034	0.0088	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Benzo[g,h,i]perylene	**0.022**	**J**	0.34	0.010	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Benzo[k]fluoranthene	**0.018**	**J**	0.034	0.0067	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1

Client Sample ID: SB-5 (5-7)
Date Collected: 06/06/25 10:00
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327863-1
Matrix: Solid
Percent Solids: 95.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	0.34	U	0.34	0.063	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Bis(2-chloroethyl)ether	0.034	U	0.034	0.012	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Bis(2-ethylhexyl) phthalate	0.34	U	0.34	0.018	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Butyl benzyl phthalate	0.34	U	0.34	0.016	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Caprolactam	0.34	U	0.34	0.053	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Carbazole	0.34	U	0.34	0.013	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Chrysene	**0.032**	**J**	0.34	0.014	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Dibenz(a,h)anthracene	0.034	U	0.034	0.015	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Dibenzofuran	0.34	U	0.34	0.011	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Diethyl phthalate	0.34	U	0.34	0.011	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Dimethyl phthalate	0.34	U	0.34	0.078	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Di-n-butyl phthalate	0.34	U	0.34	0.013	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Di-n-octyl phthalate	0.34	U	0.34	0.018	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Fluoranthene	**0.056**	**J**	0.34	0.012	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Fluorene	0.34	U	0.34	0.010	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Hexachlorobutadiene	0.069	U	0.069	0.0073	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Hexachlorocyclopentadiene	0.34	U	0.34	0.030	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Hexachloroethane	0.034	U	0.034	0.012	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Indeno[1,2,3-cd]pyrene	**0.019**	**J**	0.034	0.013	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Isophorone	0.14	U	0.14	0.099	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Naphthalene	0.34	U	0.34	0.0059	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Nitrobenzene	0.034	U	0.034	0.019	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
N-Nitrosodi-n-propylamine	0.034	U	0.034	0.025	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
N-Nitrosodiphenylamine	0.34	U	0.34	0.028	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Pentachlorophenol	0.27	U	0.27	0.070	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Phenanthrene	**0.042**	**J**	0.34	0.014	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Phenol	0.34	U	0.34	0.013	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1
Pyrene	**0.050**	**J**	0.34	0.0085	mg/Kg	☼	06/09/25 09:57	06/09/25 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*18 - 137*	*06/09/25 09:57*	*06/09/25 20:46*	*1*
2-Fluorobiphenyl	*86*		*33 - 117*	*06/09/25 09:57*	*06/09/25 20:46*	*1*
2-Fluorophenol (Surr)	*82*		*24 - 120*	*06/09/25 09:57*	*06/09/25 20:46*	*1*
Nitrobenzene-d5 (Surr)	*80*		*27 - 120*	*06/09/25 09:57*	*06/09/25 20:46*	*1*
Phenol-d5 (Surr)	*83*		*28 - 118*	*06/09/25 09:57*	*06/09/25 20:46*	*1*
Terphenyl-d14 (Surr)	*84*		*33 - 124*	*06/09/25 09:57*	*06/09/25 20:46*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0069	U	0.0069	0.0012	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1
4,4'-DDE	0.0069	U	0.0069	0.00082	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1
4,4'-DDT	0.0069	U	0.0069	0.0013	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1
Aldrin	0.0069	U	0.0069	0.0010	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1
alpha-BHC	0.0021	U	0.0021	0.00071	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1
beta-BHC	0.0021	U	0.0021	0.00078	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1
Chlordane (technical)	0.069	U	0.069	0.017	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1
Dieldrin	0.0021	U	0.0021	0.00090	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1
Endosulfan I	0.0069	U	0.0069	0.0011	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1

Client Sample ID: SB-5 (5-7)
Date Collected: 06/06/25 10:00
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327863-1
Matrix: Solid
Percent Solids: 95.9

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0069	U	0.0069	0.0018	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1
Endosulfan sulfate	0.0069	U	0.0069	0.00087	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1
Endrin	0.0069	U	0.0069	0.0010	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1
Endrin aldehyde	0.0069	U	0.0069	0.0016	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1
Endrin ketone	0.0069	U	0.0069	0.0013	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00064	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1
Heptachlor	0.0069	U	0.0069	0.00082	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1
Heptachlor epoxide	0.0069	U	0.0069	0.0010	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1
Methoxychlor	0.0069	U	0.0069	0.0016	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1
Toxaphene	0.069	U	0.069	0.025	mg/Kg	☼	06/10/25 19:57	06/11/25 05:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*10 - 150*	*06/10/25 19:57*	*06/11/25 05:11*	*1*
DCB Decachlorobiphenyl	*88*		*10 - 150*	*06/10/25 19:57*	*06/11/25 05:11*	*1*
Tetrachloro-m-xylene	*86*		*14 - 150*	*06/10/25 19:57*	*06/11/25 05:11*	*1*
Tetrachloro-m-xylene	*81*		*14 - 150*	*06/10/25 19:57*	*06/11/25 05:11*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.070	U	0.070	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:24	1
Aroclor 1221	0.070	U	0.070	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:24	1
Aroclor 1232	0.070	U	0.070	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:24	1
Aroclor 1242	0.070	U	0.070	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:24	1
Aroclor 1248	0.070	U	0.070	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:24	1
Aroclor 1254	0.070	U	0.070	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:24	1
Aroclor 1260	0.070	U	0.070	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:24	1
Aroclor-1262	0.070	U	0.070	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:24	1
Aroclor 1268	0.070	U	0.070	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:24	1
Polychlorinated biphenyls, Total	0.070	U	0.070	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*10 - 150*	*06/10/25 19:56*	*06/11/25 14:24*	*1*
DCB Decachlorobiphenyl	*102*		*10 - 150*	*06/10/25 19:56*	*06/11/25 14:24*	*1*
Tetrachloro-m-xylene	*88*		*10 - 150*	*06/10/25 19:56*	*06/11/25 14:24*	*1*
Tetrachloro-m-xylene	*89*		*10 - 150*	*06/10/25 19:56*	*06/11/25 14:24*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6110**		15.8	4.3	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Antimony	0.79	U	0.79	0.12	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Arsenic	**1.5**		0.79	0.081	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Barium	**18.6**		1.6	0.11	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Beryllium	**0.31**	**J**	0.32	0.017	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Cadmium	0.79	U	0.79	0.089	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Calcium	**936**		79.0	7.7	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Chromium	**21.3**		1.6	0.23	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Cobalt	**5.2**		1.6	0.12	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Copper	**7.5**		1.6	0.29	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Iron	**14100**		47.4	6.0	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Lead	**5.5**		0.47	0.16	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1

Client Sample ID: SB-5 (5-7)

Date Collected: 06/06/25 10:00
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327863-1

Matrix: Solid
Percent Solids: 95.9

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**1530**		79.0	8.1	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Manganese	**325**		3.2	0.32	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Nickel	**11.3**		1.6	0.14	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Potassium	**456**		79.0	12.8	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Selenium	0.99	U	0.99	0.10	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Silver	0.32	U	0.32	0.070	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Sodium	**53.7**	**J**	79.0	36.1	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Thallium	**0.053**	**J**	0.32	0.032	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Vanadium	**28.4**		1.6	0.16	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1
Zinc	**57.5**		6.3	0.86	mg/Kg	☼	06/12/25 15:20	06/13/25 17:45	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	U	0.018	0.0083	mg/Kg	☼	06/13/25 01:44	06/13/25 07:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.1**		1.0	1.0	%			06/08/25 15:26	1
Percent Solids (EPA Moisture)	**95.9**		1.0	1.0	%			06/08/25 15:26	1

Client Sample ID: SB-5 (14-15)

Date Collected: 06/06/25 10:10
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327863-2

Matrix: Solid
Percent Solids: 92.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00061	U	0.00061	0.00014	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
1,1,2,2-Tetrachloroethane	0.00061	U	0.00061	0.00032	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00061	U	0.00061	0.00018	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
1,1,2-Trichloroethane	0.00061	U	0.00061	0.00036	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
1,1-Dichloroethane	0.00061	U	0.00061	0.00036	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
1,1-Dichloroethene	0.00061	U	0.00061	0.00014	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
1,2,3-Trichlorobenzene	0.00061	U	0.00061	0.00045	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
1,2,4-Trichlorobenzene	0.00061	U	0.00061	0.00022	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
1,2-Dibromo-3-Chloropropane	0.00061	U	0.00061	0.00028	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
1,2-Dichlorobenzene	0.00061	U	0.00061	0.00022	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
1,2-Dichloroethane	0.00061	U	0.00061	0.00018	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
1,2-Dichloropropane	0.00061	U	0.00061	0.00026	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
1,3-Dichlorobenzene	0.00061	U	0.00061	0.00022	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
1,4-Dichlorobenzene	0.00061	U	0.00061	0.00031	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
2-Butanone (MEK)	0.0030	U	0.0030	0.00022	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
2-Hexanone	0.0030	U	0.0030	0.0010	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
4-Methyl-2-pentanone (MIBK)	0.0030	U	0.0030	0.00094	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Acetone	0.0036	U	0.0036	0.0035	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Benzene	0.00061	U	0.00061	0.00034	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Bromoform	0.00061	U	0.00061	0.00026	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Bromomethane	0.0012	U	0.0012	0.00061	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Carbon disulfide	0.00061	U	0.00061	0.00016	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Carbon tetrachloride	0.00061	U	0.00061	0.00023	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Chlorobenzene	0.00061	U	0.00061	0.00031	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1

Client Sample ID: SB-5 (14-15)
Date Collected: 06/06/25 10:10
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327863-2
Matrix: Solid
Percent Solids: 92.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.00061	U	0.00061	0.00036	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Chlorodibromomethane	0.00061	U	0.00061	0.00033	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Chloroethane	0.00061	U	0.00061	0.00032	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Chloroform	0.00061	U	0.00061	0.00059	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Chloromethane	0.00061	U	0.00061	0.00026	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
cis-1,2-Dichloroethene	0.00061	U	0.00061	0.00022	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
cis-1,3-Dichloropropene	0.00061	U	0.00061	0.00017	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Cyclohexane	0.00061	U	0.00061	0.00013	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Dichlorobromomethane	0.00061	U	0.00061	0.00016	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Dichlorodifluoromethane	0.00061	U	0.00061	0.00020	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Ethylbenzene	0.00061	U	0.00061	0.00028	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Ethylene Dibromide	0.00061	U	0.00061	0.00031	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Isopropylbenzene	0.00061	U	0.00061	0.00017	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Methyl acetate	0.0030	U *	0.0030	0.0026	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Methyl tert-butyl ether	0.00061	U	0.00061	0.00031	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Methylcyclohexane	0.00061	U	0.00061	0.00030	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Methylene Chloride	0.0012	U	0.0012	0.00069	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
m-Xylene & p-Xylene	0.00061	U	0.00061	0.00026	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
o-Xylene	0.00061	U	0.00061	0.00028	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Styrene	0.00061	U	0.00061	0.00017	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Tetrachloroethene	**0.00021**	**J**	0.00061	0.00018	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Toluene	0.00061	U	0.00061	0.00014	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
trans-1,2-Dichloroethene	0.00061	U	0.00061	0.00015	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
trans-1,3-Dichloropropene	0.00061	U	0.00061	0.00016	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Trichloroethene	0.00061	U	0.00061	0.00019	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Trichlorofluoromethane	0.00061	U	0.00061	0.00025	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1
Vinyl chloride	0.00061	U	0.00061	0.00033	mg/Kg	☼	06/10/25 07:56	06/12/25 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*135*		*65 - 138*	*06/10/25 07:56*	*06/12/25 13:41*	*1*
4-Bromofluorobenzene	*135*	*	*71 - 128*	*06/10/25 07:56*	*06/12/25 13:41*	*1*
Dibromofluoromethane (Surr)	*141*		*50 - 150*	*06/10/25 07:56*	*06/12/25 13:41*	*1*
Toluene-d8 (Surr)	*115*		*71 - 126*	*06/10/25 07:56*	*06/12/25 13:41*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.012	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.021	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.036	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
2,4-Dimethylphenol	0.36	U	0.36	0.042	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
2,4-Dinitrophenol	0.29	U	0.29	0.17	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
2,4-Dinitrotoluene	0.072	U	0.072	0.038	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
2-Chloronaphthalene	0.36	U	0.36	0.046	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327863-1

Client Sample ID: SB-5 (14-15)
Date Collected: 06/06/25 10:10
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327863-2
Matrix: Solid
Percent Solids: 92.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
2-Nitroaniline	0.36	U	0.36	0.027	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
3-Nitroaniline	0.36	U	0.36	0.085	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
4-Chloroaniline	0.36	U	0.36	0.063	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
4-Nitroaniline	0.36	U	0.36	0.090	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Acetophenone	0.36	U	0.36	0.017	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Atrazine	0.14	U *	0.14	0.021	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Benzaldehyde	0.36	U	0.36	0.059	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Benzo[a]pyrene	0.036	U	0.036	0.0095	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0092	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0070	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.066	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.012	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Caprolactam	0.36	U	0.36	0.055	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.015	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Diethyl phthalate	0.36	U	0.36	0.011	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Dimethyl phthalate	0.36	U	0.36	0.081	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Di-n-butyl phthalate	**0.027**	**J**	0.36	0.013	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Fluoranthene	0.36	U	0.36	0.012	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Fluorene	0.36	U	0.36	0.010	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Hexachlorobutadiene	0.072	U	0.072	0.0076	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.031	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Naphthalene	**0.0066**	**J**	0.36	0.0062	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1

Client Sample ID: SB-5 (14-15)
Date Collected: 06/06/25 10:10
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327863-2
Matrix: Solid
Percent Solids: 92.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	0.36	U	0.36	0.029	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1
Pyrene	0.36	U	0.36	0.0089	mg/Kg	☼	06/09/25 09:57	06/09/25 21:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*18 - 137*	*06/09/25 09:57*	*06/09/25 21:05*	*1*
2-Fluorobiphenyl	*75*		*33 - 117*	*06/09/25 09:57*	*06/09/25 21:05*	*1*
2-Fluorophenol (Surr)	*74*		*24 - 120*	*06/09/25 09:57*	*06/09/25 21:05*	*1*
Nitrobenzene-d5 (Surr)	*73*		*27 - 120*	*06/09/25 09:57*	*06/09/25 21:05*	*1*
Phenol-d5 (Surr)	*73*		*28 - 118*	*06/09/25 09:57*	*06/09/25 21:05*	*1*
Terphenyl-d14 (Surr)	*74*		*33 - 124*	*06/09/25 09:57*	*06/09/25 21:05*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
alpha-BHC	0.0022	U	0.0022	0.00073	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
delta-BHC	0.0022	U	0.0022	0.00044	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
Dieldrin	0.0022	U	0.0022	0.00094	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
Endosulfan II	0.0072	U	0.0072	0.0019	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
Endosulfan sulfate	0.0072	U	0.0072	0.00091	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
Methoxychlor	0.0072	U	0.0072	0.0016	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	06/10/25 19:57	06/11/25 05:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*10 - 150*	*06/10/25 19:57*	*06/11/25 05:23*	*1*
DCB Decachlorobiphenyl	*74*		*10 - 150*	*06/10/25 19:57*	*06/11/25 05:23*	*1*
Tetrachloro-m-xylene	*67*		*14 - 150*	*06/10/25 19:57*	*06/11/25 05:23*	*1*
Tetrachloro-m-xylene	*63*		*14 - 150*	*06/10/25 19:57*	*06/11/25 05:23*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:47	1
Aroclor 1221	0.072	U	0.072	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:47	1
Aroclor 1232	0.072	U	0.072	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:47	1
Aroclor 1242	0.072	U	0.072	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:47	1
Aroclor 1248	0.072	U	0.072	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:47	1

Client Sample ID: SB-5 (14-15)
Date Collected: 06/06/25 10:10
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327863-2
Matrix: Solid
Percent Solids: 92.4

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1254	0.072	U	0.072	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:47	1
Aroclor 1260	0.072	U	0.072	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:47	1
Aroclor-1262	0.072	U	0.072	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:47	1
Aroclor 1268	0.072	U	0.072	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:47	1
Polychlorinated biphenyls, Total	0.072	U	0.072	0.019	mg/Kg	☼	06/10/25 19:56	06/11/25 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*10 - 150*	*06/10/25 19:56*	*06/11/25 14:47*	*1*
DCB Decachlorobiphenyl	*93*		*10 - 150*	*06/10/25 19:56*	*06/11/25 14:47*	*1*
Tetrachloro-m-xylene	*75*		*10 - 150*	*06/10/25 19:56*	*06/11/25 14:47*	*1*
Tetrachloro-m-xylene	*77*		*10 - 150*	*06/10/25 19:56*	*06/11/25 14:47*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6290**		16.5	4.5	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Antimony	0.83	U	0.83	0.12	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Arsenic	**1.0**		0.83	0.085	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Barium	**27.9**		1.7	0.12	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Beryllium	**0.31**	**J**	0.33	0.018	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Cadmium	0.83	U	0.83	0.093	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Calcium	**1520**		82.6	8.0	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Chromium	**13.8**		1.7	0.25	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Cobalt	**5.0**		1.7	0.12	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Copper	**11.5**		1.7	0.30	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Iron	**11700**		49.6	6.3	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Lead	**3.5**		0.50	0.17	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Magnesium	**2930**		82.6	8.4	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Manganese	**282**		3.3	0.33	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Nickel	**11.1**		1.7	0.15	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Potassium	**1120**		82.6	13.4	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Selenium	1.0	U	1.0	0.11	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Silver	0.33	U	0.33	0.074	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Sodium	**105**		82.6	37.8	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Thallium	**0.087**	**J**	0.33	0.034	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Vanadium	**20.4**		1.7	0.17	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1
Zinc	**23.2**		6.6	0.90	mg/Kg	☼	06/12/25 15:20	06/13/25 17:48	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	U	0.016	0.0076	mg/Kg	☼	06/13/25 01:44	06/13/25 07:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.6**		1.0	1.0	%			06/08/25 15:26	1
Percent Solids (EPA Moisture)	**92.4**		1.0	1.0	%			06/08/25 15:26	1

Surrogate Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327863-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-327863-1	SB-5 (5-7)	117	115	119	102
460-327863-2	SB-5 (14-15)	135	135 *	141	115
LCS 460-1042988/3	Lab Control Sample	105	116	115	101
LCSD 460-1042988/4	Lab Control Sample Dup	108	114	114	99
MB 460-1042988/8	Method Blank	106	117	110	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(18-137)	(33-117)	(24-120)	(27-120)	(28-118)	(33-124)
460-327863-1	SB-5 (5-7)	73	86	82	80	83	84
460-327863-1 MS	SB-5 (5-7)	83	82	82	77	81	82
460-327863-1 MSD	SB-5 (5-7)	77	76	74	71	73	76
460-327863-2	SB-5 (14-15)	79	75	74	73	73	74
LCS 460-1042339/2-A	Lab Control Sample	87	81	80	75	79	78
LCSD 460-1042339/3-A	Lab Control Sample Dup	86	81	81	76	79	78
MB 460-1042339/26-A	Method Blank	86	88	87	85	88	88

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(14-150)	(14-150)
460-327863-1	SB-5 (5-7)	88	87	81	86
460-327863-2	SB-5 (14-15)	74	73	63	67
460-327957-B-3-D MS	Matrix Spike	69	66	84	62
460-327957-B-3-E MSD	Matrix Spike Duplicate	61	58	70	61
LCS 460-1042662/2-A	Lab Control Sample	74	83	106	79
LCSD 460-1042662/3-A	Lab Control Sample Dup	87	88	129	84
MB 460-1042662/1-A	Method Blank	99	87	88	76

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: GEI Consultants Inc
Job ID: 460-327863-1
Project/Site: 28-12 41st Avenue

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (10-150)	TCX2 (10-150)
460-327863-1	SB-5 (5-7)	102	94	89	88
460-327863-2	SB-5 (14-15)	93	86	77	75
460-327957-B-3-A MS	Matrix Spike	138	142	110	109
460-327957-B-3-B MSD	Matrix Spike Duplicate	114	119	95	93
LCS 460-1042661/2-A	Lab Control Sample	103	94	88	84
LCSD 460-1042661/3-A	Lab Control Sample Dup	102	94	86	83
MB 460-1042661/1-A	Method Blank	95	88	78	76

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-1042988/8
Matrix: Solid
Analysis Batch: 1042988

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			06/12/25 06:59	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/12/25 06:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/12/25 06:59	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			06/12/25 06:59	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			06/12/25 06:59	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			06/12/25 06:59	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			06/12/25 06:59	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/12/25 06:59	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			06/12/25 06:59	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			06/12/25 06:59	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			06/12/25 06:59	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			06/12/25 06:59	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			06/12/25 06:59	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			06/12/25 06:59	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			06/12/25 06:59	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			06/12/25 06:59	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			06/12/25 06:59	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			06/12/25 06:59	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			06/12/25 06:59	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			06/12/25 06:59	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			06/12/25 06:59	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			06/12/25 06:59	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			06/12/25 06:59	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			06/12/25 06:59	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			06/12/25 06:59	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			06/12/25 06:59	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			06/12/25 06:59	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			06/12/25 06:59	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			06/12/25 06:59	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			06/12/25 06:59	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/12/25 06:59	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			06/12/25 06:59	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			06/12/25 06:59	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			06/12/25 06:59	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			06/12/25 06:59	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			06/12/25 06:59	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			06/12/25 06:59	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			06/12/25 06:59	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			06/12/25 06:59	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			06/12/25 06:59	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			06/12/25 06:59	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			06/12/25 06:59	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			06/12/25 06:59	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			06/12/25 06:59	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			06/12/25 06:59	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			06/12/25 06:59	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			06/12/25 06:59	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			06/12/25 06:59	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1042988/8
Matrix: Solid
Analysis Batch: 1042988

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			06/12/25 06:59	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			06/12/25 06:59	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			06/12/25 06:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*		*06/12/25 06:59*	*1*
4-Bromofluorobenzene	*117*		*71 - 128*		*06/12/25 06:59*	*1*
Dibromofluoromethane (Surr)	*110*		*50 - 150*		*06/12/25 06:59*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*06/12/25 06:59*	*1*

Lab Sample ID: LCS 460-1042988/3
Matrix: Solid
Analysis Batch: 1042988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0207		mg/Kg		103	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0186		mg/Kg		93	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0240		mg/Kg		120	75 - 121
1,1,2-Trichloroethane	0.0200	0.0181		mg/Kg		91	80 - 120
1,1-Dichloroethane	0.0200	0.0222		mg/Kg		111	72 - 120
1,1-Dichloroethene	0.0200	0.0210		mg/Kg		105	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0213		mg/Kg		106	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0222		mg/Kg		111	77 - 136
1,2-Dibromo-3-Chloropropane	0.0200	0.0164		mg/Kg		82	80 - 124
1,2-Dichlorobenzene	0.0200	0.0195		mg/Kg		97	80 - 120
1,2-Dichloroethane	0.0200	0.0210		mg/Kg		105	70 - 123
1,2-Dichloropropane	0.0200	0.0219		mg/Kg		110	73 - 124
1,3-Dichlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120
1,4-Dichlorobenzene	0.0200	0.0202		mg/Kg		101	80 - 120
2-Butanone (MEK)	0.100	0.0852		mg/Kg		85	64 - 128
2-Hexanone	0.100	0.0994		mg/Kg		99	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0994		mg/Kg		99	80 - 120
Acetone	0.100	0.105		mg/Kg		105	58 - 122
Benzene	0.0200	0.0191		mg/Kg		95	75 - 120
Bromoform	0.0200	0.0166		mg/Kg		83	61 - 125
Bromomethane	0.0200	0.0203		mg/Kg		101	37 - 150
Carbon disulfide	0.0200	0.0221		mg/Kg		110	57 - 133
Carbon tetrachloride	0.0200	0.0212		mg/Kg		106	66 - 127
Chlorobenzene	0.0200	0.0185		mg/Kg		93	80 - 120
Chlorobromomethane	0.0200	0.0205		mg/Kg		103	76 - 127
Chlorodibromomethane	0.0200	0.0168		mg/Kg		84	72 - 120
Chloroethane	0.0200	0.0194		mg/Kg		97	60 - 123
Chloroform	0.0200	0.0211		mg/Kg		106	79 - 126
Chloromethane	0.0200	0.0187		mg/Kg		94	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0207		mg/Kg		104	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0185		mg/Kg		92	75 - 120
Cyclohexane	0.0200	0.0222		mg/Kg		111	65 - 132
Dichlorobromomethane	0.0200	0.0189		mg/Kg		94	77 - 124

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1042988/3
Matrix: Solid
Analysis Batch: 1042988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	0.0200	0.0168		mg/Kg		84	45 - 129
Ethylbenzene	0.0200	0.0187		mg/Kg		94	80 - 120
Ethylene Dibromide	0.0200	0.0181		mg/Kg		90	79 - 120
Isopropylbenzene	0.0200	0.0185		mg/Kg		92	74 - 120
Methyl acetate	0.0400	0.0502	*	mg/Kg		125	57 - 120
Methyl tert-butyl ether	0.0200	0.0200		mg/Kg		100	74 - 125
Methylcyclohexane	0.0200	0.0214		mg/Kg		107	66 - 125
Methylene Chloride	0.0200	0.0211		mg/Kg		105	78 - 120
m-Xylene & p-Xylene	0.0200	0.0183		mg/Kg		92	80 - 120
o-Xylene	0.0200	0.0180		mg/Kg		90	80 - 120
Styrene	0.0200	0.0177		mg/Kg		89	80 - 120
Tetrachloroethene	0.0200	0.0200		mg/Kg		100	73 - 120
Toluene	0.0200	0.0181		mg/Kg		90	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0215		mg/Kg		108	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0174		mg/Kg		87	77 - 120
Trichloroethene	0.0200	0.0205		mg/Kg		102	80 - 120
Trichlorofluoromethane	0.0200	0.0183		mg/Kg		92	61 - 130
Vinyl chloride	0.0200	0.0184		mg/Kg		92	54 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*
4-Bromofluorobenzene	*116*		*71 - 128*
Dibromofluoromethane (Surr)	*115*		*50 - 150*
Toluene-d8 (Surr)	*101*		*71 - 126*

Lab Sample ID: LCSD 460-1042988/4
Matrix: Solid
Analysis Batch: 1042988

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0203		mg/Kg		102	78 - 120	2	30
1,1,2,2-Tetrachloroethane	0.0200	0.0184		mg/Kg		92	70 - 133	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0234		mg/Kg		117	75 - 121	3	30
1,1,2-Trichloroethane	0.0200	0.0180		mg/Kg		90	80 - 120	1	30
1,1-Dichloroethane	0.0200	0.0222		mg/Kg		111	72 - 120	0	30
1,1-Dichloroethene	0.0200	0.0211		mg/Kg		105	76 - 120	0	30
1,2,3-Trichlorobenzene	0.0200	0.0211		mg/Kg		105	77 - 137	1	30
1,2,4-Trichlorobenzene	0.0200	0.0214		mg/Kg		107	77 - 136	4	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0160		mg/Kg		80	80 - 124	3	30
1,2-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120	3	30
1,2-Dichloroethane	0.0200	0.0206		mg/Kg		103	70 - 123	2	30
1,2-Dichloropropane	0.0200	0.0218		mg/Kg		109	73 - 124	0	30
1,3-Dichlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120	1	30
1,4-Dichlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120	2	30
2-Butanone (MEK)	0.100	0.0881		mg/Kg		88	64 - 128	3	30
2-Hexanone	0.100	0.0992		mg/Kg		99	75 - 120	0	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0985		mg/Kg		99	80 - 120	1	30
Acetone	0.100	0.104		mg/Kg		104	58 - 122	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1042988/4
Matrix: Solid
Analysis Batch: 1042988

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0200	0.0192		mg/Kg		96	75 - 120	1	30
Bromoform			0.0200	0.0171		mg/Kg		85	61 - 125	3	30
Bromomethane			0.0200	0.0201		mg/Kg		100	37 - 150	1	30
Carbon disulfide			0.0200	0.0220		mg/Kg		110	57 - 133	0	30
Carbon tetrachloride			0.0200	0.0208		mg/Kg		104	66 - 127	2	30
Chlorobenzene			0.0200	0.0182		mg/Kg		91	80 - 120	2	30
Chlorobromomethane			0.0200	0.0205		mg/Kg		102	76 - 127	0	30
Chlorodibromomethane			0.0200	0.0168		mg/Kg		84	72 - 120	0	30
Chloroethane			0.0200	0.0198		mg/Kg		99	60 - 123	2	30
Chloroform			0.0200	0.0207		mg/Kg		104	79 - 126	2	30
Chloromethane			0.0200	0.0187		mg/Kg		93	46 - 122	0	30
cis-1,2-Dichloroethene			0.0200	0.0206		mg/Kg		103	80 - 123	1	30
cis-1,3-Dichloropropene			0.0200	0.0184		mg/Kg		92	75 - 120	1	30
Cyclohexane			0.0200	0.0221		mg/Kg		111	65 - 132	0	30
Dichlorobromomethane			0.0200	0.0189		mg/Kg		95	77 - 124	0	30
Dichlorodifluoromethane			0.0200	0.0171		mg/Kg		86	45 - 129	2	30
Ethylbenzene			0.0200	0.0184		mg/Kg		92	80 - 120	2	30
Ethylene Dibromide			0.0200	0.0180		mg/Kg		90	79 - 120	1	30
Isopropylbenzene			0.0200	0.0179		mg/Kg		90	74 - 120	3	30
Methyl acetate			0.0400	0.0496	*	mg/Kg		124	57 - 120	1	30
Methyl tert-butyl ether			0.0200	0.0198		mg/Kg		99	74 - 125	1	30
Methylcyclohexane			0.0200	0.0212		mg/Kg		106	66 - 125	1	30
Methylene Chloride			0.0200	0.0214		mg/Kg		107	78 - 120	1	30
m-Xylene & p-Xylene			0.0200	0.0178		mg/Kg		89	80 - 120	3	30
o-Xylene			0.0200	0.0180		mg/Kg		90	80 - 120	0	30
Styrene			0.0200	0.0175		mg/Kg		88	80 - 120	1	30
Tetrachloroethene			0.0200	0.0197		mg/Kg		99	73 - 120	2	30
Toluene			0.0200	0.0177		mg/Kg		88	80 - 120	2	30
trans-1,2-Dichloroethene			0.0200	0.0210		mg/Kg		105	78 - 120	2	30
trans-1,3-Dichloropropene			0.0200	0.0172		mg/Kg		86	77 - 120	1	30
Trichloroethene			0.0200	0.0204		mg/Kg		102	80 - 120	0	30
Trichlorofluoromethane			0.0200	0.0186		mg/Kg		93	61 - 130	1	30
Vinyl chloride			0.0200	0.0186		mg/Kg		93	54 - 122	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*65 - 138*
4-Bromofluorobenzene	*114*		*71 - 128*
Dibromofluoromethane (Surr)	*114*		*50 - 150*
Toluene-d8 (Surr)	*99*		*71 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-1042339/26-A
Matrix: Solid
Analysis Batch: 1042412

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.012	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		06/10/25 01:13	06/10/25 01:37	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1042339/26-A
Matrix: Solid
Analysis Batch: 1042412

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.020	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
2,4-Dimethylphenol	0.33	U	0.33	0.039	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
2-Chloronaphthalene	0.33	U	0.33	0.043	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
2-Nitroaniline	0.33	U	0.33	0.025	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
3-Nitroaniline	0.33	U	0.33	0.079	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
4-Nitroaniline	0.33	U	0.33	0.084	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.061	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Diethyl phthalate	0.33	U	0.33	0.011	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		06/10/25 01:13	06/10/25 01:37	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1042339/26-A
Matrix: Solid
Analysis Batch: 1042412

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Nitrobenzene	0.033	U	0.033	0.018	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Phenol	0.33	U	0.33	0.012	mg/Kg		06/10/25 01:13	06/10/25 01:37	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		06/10/25 01:13	06/10/25 01:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*18 - 137*	*06/10/25 01:13*	*06/10/25 01:37*	*1*
2-Fluorobiphenyl	*88*		*33 - 117*	*06/10/25 01:13*	*06/10/25 01:37*	*1*
2-Fluorophenol (Surr)	*87*		*24 - 120*	*06/10/25 01:13*	*06/10/25 01:37*	*1*
Nitrobenzene-d5 (Surr)	*85*		*27 - 120*	*06/10/25 01:13*	*06/10/25 01:37*	*1*
Phenol-d5 (Surr)	*88*		*28 - 118*	*06/10/25 01:13*	*06/10/25 01:37*	*1*
Terphenyl-d14 (Surr)	*88*		*33 - 124*	*06/10/25 01:13*	*06/10/25 01:37*	*1*

Lab Sample ID: LCS 460-1042339/2-A
Matrix: Solid
Analysis Batch: 1042412

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	3.33	3.05		mg/Kg		91	64 - 120
1,2,4,5-Tetrachlorobenzene	3.33	3.11		mg/Kg		93	60 - 120
1,4-Dioxane	3.33	1.84		mg/Kg		55	31 - 105
2,2'-oxybis[1-chloropropane]	3.33	2.64		mg/Kg		79	50 - 126
2,3,4,6-Tetrachlorophenol	3.33	3.11		mg/Kg		93	62 - 120
2,4,5-Trichlorophenol	3.33	3.15		mg/Kg		95	64 - 120
2,4,6-Trichlorophenol	3.33	3.17		mg/Kg		95	65 - 120
2,4-Dichlorophenol	3.33	3.18		mg/Kg		95	66 - 120
2,4-Dimethylphenol	3.33	3.01		mg/Kg		90	75 - 136
2,4-Dinitrophenol	6.67	3.28		mg/Kg		49	41 - 120
2,4-Dinitrotoluene	3.33	3.32		mg/Kg		100	65 - 124
2,6-Dinitrotoluene	3.33	3.26		mg/Kg		98	67 - 121
2-Chloronaphthalene	3.33	3.02		mg/Kg		91	64 - 120
2-Chlorophenol	3.33	3.05		mg/Kg		91	63 - 120
2-Methylnaphthalene	3.33	3.00		mg/Kg		90	56 - 102
2-Methylphenol	3.33	3.05		mg/Kg		91	63 - 120
2-Nitroaniline	3.33	2.60		mg/Kg		78	52 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1042339/2-A
Matrix: Solid
Analysis Batch: 1042412

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Nitrophenol	3.33	2.97		mg/Kg		89	64 - 120
3,3'-Dichlorobenzidine	3.33	1.65		mg/Kg		50	10 - 106
3-Nitroaniline	3.33	2.52		mg/Kg		76	18 - 105
4,6-Dinitro-2-methylphenol	6.67	5.34		mg/Kg		80	61 - 127
4-Bromophenyl phenyl ether	3.33	3.26		mg/Kg		98	64 - 120
4-Chloro-3-methylphenol	3.33	3.08		mg/Kg		92	68 - 120
4-Chloroaniline	3.33	1.57		mg/Kg		47	10 - 107
4-Chlorophenyl phenyl ether	3.33	3.20		mg/Kg		96	62 - 120
4-Methylphenol	3.33	3.05		mg/Kg		91	61 - 120
4-Nitroaniline	3.33	3.20		mg/Kg		96	51 - 112
4-Nitrophenol	6.67	5.67		mg/Kg		85	52 - 122
Acenaphthene	3.33	2.98		mg/Kg		89	65 - 120
Acenaphthylene	3.33	2.99		mg/Kg		90	68 - 120
Acetophenone	3.33	2.57		mg/Kg		77	61 - 111
Anthracene	3.33	3.23		mg/Kg		97	67 - 120
Atrazine	1.33	2.19	*	mg/Kg		164	52 - 150
Benzaldehyde	1.33	1.75		mg/Kg		131	45 - 150
Benzo[a]anthracene	3.33	3.06		mg/Kg		92	66 - 120
Benzo[a]pyrene	3.33	3.29		mg/Kg		99	69 - 123
Benzo[b]fluoranthene	3.33	3.43		mg/Kg		103	66 - 125
Benzo[g,h,i]perylene	3.33	3.05		mg/Kg		92	66 - 138
Benzo[k]fluoranthene	3.33	3.33		mg/Kg		100	67 - 122
Bis(2-chloroethoxy)methane	3.33	2.88		mg/Kg		86	62 - 120
Bis(2-chloroethyl)ether	3.33	2.88		mg/Kg		86	60 - 120
Bis(2-ethylhexyl) phthalate	3.33	3.10		mg/Kg		93	64 - 125
Butyl benzyl phthalate	3.33	3.08		mg/Kg		92	62 - 127
Caprolactam	1.33	1.83		mg/Kg		137	46 - 150
Carbazole	3.33	3.33		mg/Kg		100	64 - 120
Chrysene	3.33	2.99		mg/Kg		90	67 - 120
Dibenz(a,h)anthracene	3.33	3.15		mg/Kg		95	66 - 128
Dibenzofuran	3.33	3.06		mg/Kg		92	61 - 120
Diethyl phthalate	3.33	3.13		mg/Kg		94	63 - 120
Dimethyl phthalate	3.33	3.09		mg/Kg		93	65 - 120
Di-n-butyl phthalate	3.33	3.36		mg/Kg		101	61 - 120
Di-n-octyl phthalate	3.33	3.42		mg/Kg		103	61 - 123
Fluoranthene	3.33	3.37		mg/Kg		101	61 - 120
Fluorene	3.33	3.07		mg/Kg		92	64 - 120
Hexachlorobenzene	3.33	3.36		mg/Kg		101	66 - 120
Hexachlorobutadiene	3.33	3.04		mg/Kg		91	62 - 120
Hexachlorocyclopentadiene	3.33	3.10		mg/Kg		93	32 - 150
Hexachloroethane	3.33	2.78		mg/Kg		84	61 - 112
Indeno[1,2,3-cd]pyrene	3.33	3.75		mg/Kg		112	63 - 137
Isophorone	3.33	2.79		mg/Kg		84	61 - 120
Naphthalene	3.33	2.90		mg/Kg		87	63 - 113
Nitrobenzene	3.33	3.07		mg/Kg		92	63 - 120
N-Nitrosodi-n-propylamine	3.33	2.90		mg/Kg		87	60 - 120
N-Nitrosodiphenylamine	3.33	3.26		mg/Kg		98	63 - 120
Pentachlorophenol	6.67	6.43		mg/Kg		97	61 - 126
Phenanthrene	3.33	3.19		mg/Kg		96	66 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1042339/2-A
Matrix: Solid
Analysis Batch: 1042412

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042339

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenol			3.33	2.87		mg/Kg		86	63 - 120		
Pyrene			3.33	2.95		mg/Kg		88	61 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*18 - 137*
2-Fluorobiphenyl	*81*		*33 - 117*
2-Fluorophenol (Surr)	*80*		*24 - 120*
Nitrobenzene-d5 (Surr)	*75*		*27 - 120*
Phenol-d5 (Surr)	*79*		*28 - 118*
Terphenyl-d14 (Surr)	*78*		*33 - 124*

Lab Sample ID: LCSD 460-1042339/3-A
Matrix: Solid
Analysis Batch: 1042412

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1042339

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	3.07		mg/Kg		92	64 - 120	1	30
1,2,4,5-Tetrachlorobenzene			3.33	3.08		mg/Kg		92	60 - 120	1	30
1,4-Dioxane			3.33	1.93		mg/Kg		58	31 - 105	5	30
2,2'-oxybis[1-chloropropane]			3.33	2.65		mg/Kg		79	50 - 126	0	30
2,3,4,6-Tetrachlorophenol			3.33	3.13		mg/Kg		94	62 - 120	1	30
2,4,5-Trichlorophenol			3.33	3.13		mg/Kg		94	64 - 120	1	30
2,4,6-Trichlorophenol			3.33	3.18		mg/Kg		96	65 - 120	1	30
2,4-Dichlorophenol			3.33	3.20		mg/Kg		96	66 - 120	1	30
2,4-Dimethylphenol			3.33	3.04		mg/Kg		91	75 - 136	1	30
2,4-Dinitrophenol			6.67	3.03		mg/Kg		45	41 - 120	8	30
2,4-Dinitrotoluene			3.33	3.27		mg/Kg		98	65 - 124	1	30
2,6-Dinitrotoluene			3.33	3.31		mg/Kg		99	67 - 121	2	30
2-Chloronaphthalene			3.33	3.04		mg/Kg		91	64 - 120	1	30
2-Chlorophenol			3.33	3.07		mg/Kg		92	63 - 120	1	30
2-Methylnaphthalene			3.33	3.01		mg/Kg		90	56 - 102	1	30
2-Methylphenol			3.33	3.09		mg/Kg		93	63 - 120	1	30
2-Nitroaniline			3.33	2.62		mg/Kg		79	52 - 120	1	30
2-Nitrophenol			3.33	3.03		mg/Kg		91	64 - 120	2	30
3,3'-Dichlorobenzidine			3.33	1.67		mg/Kg		50	10 - 106	1	30
3-Nitroaniline			3.33	2.51		mg/Kg		75	18 - 105	0	30
4,6-Dinitro-2-methylphenol			6.67	5.16		mg/Kg		77	61 - 127	3	30
4-Bromophenyl phenyl ether			3.33	3.34		mg/Kg		100	64 - 120	2	30
4-Chloro-3-methylphenol			3.33	3.08		mg/Kg		92	68 - 120	0	30
4-Chloroaniline			3.33	1.64		mg/Kg		49	10 - 107	4	30
4-Chlorophenyl phenyl ether			3.33	3.13		mg/Kg		94	62 - 120	2	30
4-Methylphenol			3.33	3.06		mg/Kg		92	61 - 120	0	30
4-Nitroaniline			3.33	3.19		mg/Kg		96	51 - 112	0	30
4-Nitrophenol			6.67	5.68		mg/Kg		85	52 - 122	0	30
Acenaphthene			3.33	2.99		mg/Kg		90	65 - 120	0	30
Acenaphthylene			3.33	3.03		mg/Kg		91	68 - 120	2	30
Acetophenone			3.33	2.63		mg/Kg		79	61 - 111	2	30
Anthracene			3.33	3.23		mg/Kg		97	67 - 120	0	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1042339/3-A
Matrix: Solid
Analysis Batch: 1042412

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1042339

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Atrazine			1.33	2.14	*	mg/Kg		161	52 - 150	2	30
Benzaldehyde			1.33	1.76		mg/Kg		132	45 - 150	1	30
Benzo[a]anthracene			3.33	3.08		mg/Kg		92	66 - 120	1	30
Benzo[a]pyrene			3.33	3.31		mg/Kg		99	69 - 123	1	30
Benzo[b]fluoranthene			3.33	3.35		mg/Kg		100	66 - 125	2	30
Benzo[g,h,i]perylene			3.33	3.05		mg/Kg		92	66 - 138	0	30
Benzo[k]fluoranthene			3.33	3.30		mg/Kg		99	67 - 122	1	30
Bis(2-chloroethoxy)methane			3.33	2.94		mg/Kg		88	62 - 120	2	30
Bis(2-chloroethyl)ether			3.33	2.92		mg/Kg		87	60 - 120	1	30
Bis(2-ethylhexyl) phthalate			3.33	3.12		mg/Kg		94	64 - 125	1	30
Butyl benzyl phthalate			3.33	3.11		mg/Kg		93	62 - 127	1	30
Caprolactam			1.33	1.83		mg/Kg		137	46 - 150	0	30
Carbazole			3.33	3.28		mg/Kg		99	64 - 120	2	30
Chrysene			3.33	3.03		mg/Kg		91	67 - 120	2	30
Dibenz(a,h)anthracene			3.33	3.12		mg/Kg		94	66 - 128	1	30
Dibenzofuran			3.33	3.11		mg/Kg		93	61 - 120	2	30
Diethyl phthalate			3.33	3.15		mg/Kg		94	63 - 120	1	30
Dimethyl phthalate			3.33	3.08		mg/Kg		92	65 - 120	0	30
Di-n-butyl phthalate			3.33	3.35		mg/Kg		100	61 - 120	0	30
Di-n-octyl phthalate			3.33	3.41		mg/Kg		102	61 - 123	0	30
Fluoranthene			3.33	3.32		mg/Kg		100	61 - 120	2	30
Fluorene			3.33	3.03		mg/Kg		91	64 - 120	1	30
Hexachlorobenzene			3.33	3.42		mg/Kg		103	66 - 120	2	30
Hexachlorobutadiene			3.33	3.03		mg/Kg		91	62 - 120	0	30
Hexachlorocyclopentadiene			3.33	3.05		mg/Kg		91	32 - 150	2	30
Hexachloroethane			3.33	2.81		mg/Kg		84	61 - 112	1	30
Indeno[1,2,3-cd]pyrene			3.33	3.15		mg/Kg		95	63 - 137	17	30
Isophorone			3.33	2.85		mg/Kg		86	61 - 120	2	30
Naphthalene			3.33	2.92		mg/Kg		88	63 - 113	1	30
Nitrobenzene			3.33	3.09		mg/Kg		93	63 - 120	1	30
N-Nitrosodi-n-propylamine			3.33	2.99		mg/Kg		90	60 - 120	3	30
N-Nitrosodiphenylamine			3.33	3.29		mg/Kg		99	63 - 120	1	30
Pentachlorophenol			6.67	6.41		mg/Kg		96	61 - 126	0	30
Phenanthrene			3.33	3.25		mg/Kg		98	66 - 120	2	30
Phenol			3.33	2.90		mg/Kg		87	63 - 120	1	30
Pyrene			3.33	2.97		mg/Kg		89	61 - 121	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*18 - 137*
2-Fluorobiphenyl	*81*		*33 - 117*
2-Fluorophenol (Surr)	*81*		*24 - 120*
Nitrobenzene-d5 (Surr)	*76*		*27 - 120*
Phenol-d5 (Surr)	*79*		*28 - 118*
Terphenyl-d14 (Surr)	*78*		*33 - 124*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-327863-1 MS
Matrix: Solid
Analysis Batch: 1042412

Client Sample ID: SB-5 (5-7)
Prep Type: Total/NA
Prep Batch: 1042339

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	0.34	U	3.45	3.18		mg/Kg	☼	92	64 - 120
1,2,4,5-Tetrachlorobenzene	0.34	U	3.45	3.17		mg/Kg	☼	92	60 - 120
1,4-Dioxane	0.034	U	3.45	2.00		mg/Kg	☼	58	31 - 105
2,2'-oxybis[1-chloropropane]	0.34	U	3.45	2.79		mg/Kg	☼	81	50 - 126
2,3,4,6-Tetrachlorophenol	0.34	U	3.45	2.69		mg/Kg	☼	78	62 - 120
2,4,5-Trichlorophenol	0.34	U	3.45	3.14		mg/Kg	☼	91	64 - 120
2,4,6-Trichlorophenol	0.14	U	3.45	3.07		mg/Kg	☼	89	65 - 120
2,4-Dichlorophenol	0.14	U	3.45	3.26		mg/Kg	☼	94	66 - 120
2,4-Dimethylphenol	0.34	U	3.45	2.87		mg/Kg	☼	83	75 - 136
2,4-Dinitrophenol	0.27	U	6.90	0.785	*	mg/Kg	☼	11	41 - 120
2,4-Dinitrotoluene	0.069	U	3.45	3.48		mg/Kg	☼	101	65 - 124
2,6-Dinitrotoluene	0.069	U	3.45	3.45		mg/Kg	☼	100	67 - 121
2-Chloronaphthalene	0.34	U	3.45	3.12		mg/Kg	☼	90	64 - 120
2-Chlorophenol	0.34	U	3.45	3.16		mg/Kg	☼	92	63 - 120
2-Methylnaphthalene	0.34	U	3.45	3.13		mg/Kg	☼	91	56 - 102
2-Methylphenol	0.34	U	3.45	3.14		mg/Kg	☼	91	63 - 120
2-Nitroaniline	0.34	U	3.45	2.72		mg/Kg	☼	79	52 - 120
2-Nitrophenol	0.34	U	3.45	3.02		mg/Kg	☼	87	64 - 120
3,3'-Dichlorobenzidine	0.14	U	3.45	2.43		mg/Kg	☼	70	10 - 106
3-Nitroaniline	0.34	U	3.45	3.13		mg/Kg	☼	91	18 - 105
4,6-Dinitro-2-methylphenol	0.27	U	6.90	2.64	*	mg/Kg	☼	38	61 - 127
4-Bromophenyl phenyl ether	0.34	U	3.45	3.56		mg/Kg	☼	103	64 - 120
4-Chloro-3-methylphenol	0.34	U	3.45	3.18		mg/Kg	☼	92	68 - 120
4-Chloroaniline	0.34	U	3.45	2.42		mg/Kg	☼	70	10 - 107
4-Chlorophenyl phenyl ether	0.34	U	3.45	3.28		mg/Kg	☼	95	62 - 120
4-Methylphenol	0.34	U	3.45	3.15		mg/Kg	☼	91	61 - 120
4-Nitroaniline	0.34	U	3.45	3.47		mg/Kg	☼	101	51 - 112
4-Nitrophenol	0.69	U	6.90	5.38		mg/Kg	☼	78	52 - 122
Acenaphthene	0.34	U	3.45	3.16		mg/Kg	☼	91	65 - 120
Acenaphthylene	0.34	U	3.45	3.17		mg/Kg	☼	92	68 - 120
Acetophenone	0.34	U	3.45	2.77		mg/Kg	☼	80	61 - 111
Anthracene	0.34	U	3.45	3.45		mg/Kg	☼	100	67 - 120
Atrazine	0.14	U *	1.38	2.20	*	mg/Kg	☼	160	52 - 150
Benzaldehyde	0.34	U	1.38	1.83	E	mg/Kg	☼	133	45 - 150
Benzo[a]anthracene	0.035		3.45	3.22		mg/Kg	☼	92	66 - 120
Benzo[a]pyrene	0.030	J	3.45	3.53		mg/Kg	☼	101	69 - 123
Benzo[b]fluoranthene	0.038		3.45	3.48		mg/Kg	☼	100	66 - 125
Benzo[g,h,i]perylene	0.022	J	3.45	3.30		mg/Kg	☼	95	66 - 138
Benzo[k]fluoranthene	0.018	J	3.45	3.55		mg/Kg	☼	102	67 - 122
Bis(2-chloroethoxy)methane	0.34	U	3.45	2.99		mg/Kg	☼	87	62 - 120
Bis(2-chloroethyl)ether	0.034	U	3.45	3.01		mg/Kg	☼	87	60 - 120
Bis(2-ethylhexyl) phthalate	0.34	U	3.45	3.26		mg/Kg	☼	94	64 - 125
Butyl benzyl phthalate	0.34	U	3.45	3.27		mg/Kg	☼	95	62 - 127
Caprolactam	0.34	U	1.38	1.74		mg/Kg	☼	126	46 - 150
Carbazole	0.34	U	3.45	3.52		mg/Kg	☼	102	64 - 120
Chrysene	0.032	J	3.45	3.20		mg/Kg	☼	92	67 - 120
Dibenz(a,h)anthracene	0.034	U	3.45	3.39		mg/Kg	☼	98	66 - 128
Dibenzofuran	0.34	U	3.45	3.22		mg/Kg	☼	93	61 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-327863-1 MS
Matrix: Solid
Analysis Batch: 1042412

Client Sample ID: SB-5 (5-7)
Prep Type: Total/NA
Prep Batch: 1042339

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diethyl phthalate	0.34	U	3.45	3.32		mg/Kg	☼	96	63 - 120
Dimethyl phthalate	0.34	U	3.45	3.23		mg/Kg	☼	93	65 - 120
Di-n-butyl phthalate	0.34	U	3.45	3.61		mg/Kg	☼	104	61 - 120
Di-n-octyl phthalate	0.34	U	3.45	3.56		mg/Kg	☼	103	61 - 123
Fluoranthene	0.056	J	3.45	3.54		mg/Kg	☼	101	61 - 120
Fluorene	0.34	U	3.45	3.20		mg/Kg	☼	93	64 - 120
Hexachlorobenzene	0.034	U	3.45	3.58		mg/Kg	☼	104	66 - 120
Hexachlorobutadiene	0.069	U	3.45	3.18		mg/Kg	☼	92	62 - 120
Hexachlorocyclopentadiene	0.34	U	3.45	3.25		mg/Kg	☼	94	32 - 150
Hexachloroethane	0.034	U	3.45	3.00		mg/Kg	☼	87	61 - 112
Indeno[1,2,3-cd]pyrene	0.019	J	3.45	3.46		mg/Kg	☼	100	63 - 137
Isophorone	0.14	U	3.45	2.92		mg/Kg	☼	85	61 - 120
Naphthalene	0.34	U	3.45	3.08		mg/Kg	☼	89	63 - 113
Nitrobenzene	0.034	U	3.45	3.17		mg/Kg	☼	92	63 - 120
N-Nitrosodi-n-propylamine	0.034	U	3.45	3.05		mg/Kg	☼	88	60 - 120
N-Nitrosodiphenylamine	0.34	U	3.45	3.46		mg/Kg	☼	100	63 - 120
Pentachlorophenol	0.27	U	6.90	3.92	*	mg/Kg	☼	57	61 - 126
Phenanthrene	0.042	J	3.45	3.42		mg/Kg	☼	98	66 - 120
Phenol	0.34	U	3.45	3.04		mg/Kg	☼	88	63 - 120
Pyrene	0.050	J	3.45	3.26		mg/Kg	☼	93	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	83		18 - 137
2-Fluorobiphenyl	82		33 - 117
2-Fluorophenol (Surr)	82		24 - 120
Nitrobenzene-d5 (Surr)	77		27 - 120
Phenol-d5 (Surr)	81		28 - 118
Terphenyl-d14 (Surr)	82		33 - 124

Lab Sample ID: 460-327863-1 MSD
Matrix: Solid
Analysis Batch: 1042412

Client Sample ID: SB-5 (5-7)
Prep Type: Total/NA
Prep Batch: 1042339

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	0.34	U	3.44	3.01		mg/Kg	☼	87	64 - 120	6	30
1,2,4,5-Tetrachlorobenzene	0.34	U	3.44	3.03		mg/Kg	☼	88	60 - 120	4	30
1,4-Dioxane	0.034	U	3.44	1.89		mg/Kg	☼	55	31 - 105	5	30
2,2'-oxybis[1-chloropropane]	0.34	U	3.44	2.59		mg/Kg	☼	75	50 - 126	8	30
2,3,4,6-Tetrachlorophenol	0.34	U	3.44	2.67		mg/Kg	☼	78	62 - 120	0	30
2,4,5-Trichlorophenol	0.34	U	3.44	3.00		mg/Kg	☼	87	64 - 120	4	30
2,4,6-Trichlorophenol	0.14	U	3.44	2.95		mg/Kg	☼	86	65 - 120	4	30
2,4-Dichlorophenol	0.14	U	3.44	3.07		mg/Kg	☼	89	66 - 120	6	30
2,4-Dimethylphenol	0.34	U	3.44	2.75		mg/Kg	☼	80	75 - 136	4	30
2,4-Dinitrophenol	0.27	U	6.89	1.22	*	mg/Kg	☼	18	41 - 120	44	30
2,4-Dinitrotoluene	0.069	U	3.44	3.20		mg/Kg	☼	93	65 - 124	8	30
2,6-Dinitrotoluene	0.069	U	3.44	3.27		mg/Kg	☼	95	67 - 121	5	30
2-Chloronaphthalene	0.34	U	3.44	2.96		mg/Kg	☼	86	64 - 120	5	30
2-Chlorophenol	0.34	U	3.44	2.93		mg/Kg	☼	85	63 - 120	7	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-327863-1 MSD
Matrix: Solid
Analysis Batch: 1042412

Client Sample ID: SB-5 (5-7)
Prep Type: Total/NA
Prep Batch: 1042339

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene	0.34	U	3.44	2.96		mg/Kg	☼	86	56 - 102	6	30
2-Methylphenol	0.34	U	3.44	2.97		mg/Kg	☼	86	63 - 120	6	30
2-Nitroaniline	0.34	U	3.44	2.59		mg/Kg	☼	75	52 - 120	5	30
2-Nitrophenol	0.34	U	3.44	2.88		mg/Kg	☼	84	64 - 120	5	30
3,3'-Dichlorobenzidine	0.14	U	3.44	2.21		mg/Kg	☼	64	10 - 106	9	30
3-Nitroaniline	0.34	U	3.44	2.83		mg/Kg	☼	82	18 - 105	10	30
4,6-Dinitro-2-methylphenol	0.27	U	6.89	3.30	*	mg/Kg	☼	48	61 - 127	23	30
4-Bromophenyl phenyl ether	0.34	U	3.44	3.43		mg/Kg	☼	100	64 - 120	4	30
4-Chloro-3-methylphenol	0.34	U	3.44	3.11		mg/Kg	☼	90	68 - 120	2	30
4-Chloroaniline	0.34	U	3.44	1.94		mg/Kg	☼	56	10 - 107	22	30
4-Chlorophenyl phenyl ether	0.34	U	3.44	3.11		mg/Kg	☼	90	62 - 120	6	30
4-Methylphenol	0.34	U	3.44	2.98		mg/Kg	☼	87	61 - 120	5	30
4-Nitroaniline	0.34	U	3.44	3.19		mg/Kg	☼	93	51 - 112	8	30
4-Nitrophenol	0.69	U	6.89	5.11		mg/Kg	☼	74	52 - 122	5	30
Acenaphthene	0.34	U	3.44	2.94		mg/Kg	☼	86	65 - 120	7	30
Acenaphthylene	0.34	U	3.44	3.00		mg/Kg	☼	87	68 - 120	5	30
Acetophenone	0.34	U	3.44	2.62		mg/Kg	☼	76	61 - 111	6	30
Anthracene	0.34	U	3.44	3.28		mg/Kg	☼	95	67 - 120	5	30
Atrazine	0.14	U *	1.38	2.28	E *	mg/Kg	☼	166	52 - 150	3	30
Benzaldehyde	0.34	U	1.38	1.80	E	mg/Kg	☼	130	45 - 150	2	30
Benzo[a]anthracene	0.035		3.44	3.09		mg/Kg	☼	89	66 - 120	4	30
Benzo[a]pyrene	0.030	J	3.44	3.37		mg/Kg	☼	97	69 - 123	5	30
Benzo[b]fluoranthene	0.038		3.44	3.53		mg/Kg	☼	101	66 - 125	1	30
Benzo[g,h,i]perylene	0.022	J	3.44	3.18		mg/Kg	☼	92	66 - 138	4	30
Benzo[k]fluoranthene	0.018	J	3.44	3.22		mg/Kg	☼	93	67 - 122	10	30
Bis(2-chloroethoxy)methane	0.34	U	3.44	2.92		mg/Kg	☼	85	62 - 120	3	30
Bis(2-chloroethyl)ether	0.034	U	3.44	2.83		mg/Kg	☼	82	60 - 120	6	30
Bis(2-ethylhexyl) phthalate	0.34	U	3.44	3.16		mg/Kg	☼	92	64 - 125	3	30
Butyl benzyl phthalate	0.34	U	3.44	3.22		mg/Kg	☼	94	62 - 127	2	30
Caprolactam	0.34	U	1.38	1.72		mg/Kg	☼	125	46 - 150	1	30
Carbazole	0.34	U	3.44	3.34		mg/Kg	☼	97	64 - 120	5	30
Chrysene	0.032	J	3.44	3.08		mg/Kg	☼	88	67 - 120	4	30
Dibenz(a,h)anthracene	0.034	U	3.44	3.24		mg/Kg	☼	94	66 - 128	5	30
Dibenzofuran	0.34	U	3.44	3.08		mg/Kg	☼	89	61 - 120	5	30
Diethyl phthalate	0.34	U	3.44	3.13		mg/Kg	☼	91	63 - 120	6	30
Dimethyl phthalate	0.34	U	3.44	3.08		mg/Kg	☼	90	65 - 120	5	30
Di-n-butyl phthalate	0.34	U	3.44	3.41		mg/Kg	☼	99	61 - 120	6	30
Di-n-octyl phthalate	0.34	U	3.44	3.44		mg/Kg	☼	100	61 - 123	3	30
Fluoranthene	0.056	J	3.44	3.35		mg/Kg	☼	96	61 - 120	5	30
Fluorene	0.34	U	3.44	3.04		mg/Kg	☼	88	64 - 120	5	30
Hexachlorobenzene	0.034	U	3.44	3.44		mg/Kg	☼	100	66 - 120	4	30
Hexachlorobutadiene	0.069	U	3.44	3.03		mg/Kg	☼	88	62 - 120	5	30
Hexachlorocyclopentadiene	0.34	U	3.44	3.12		mg/Kg	☼	91	32 - 150	4	30
Hexachloroethane	0.034	U	3.44	2.81		mg/Kg	☼	82	61 - 112	6	30
Indeno[1,2,3-cd]pyrene	0.019	J	3.44	3.31		mg/Kg	☼	96	63 - 137	5	30
Isophorone	0.14	U	3.44	2.82		mg/Kg	☼	82	61 - 120	4	30
Naphthalene	0.34	U	3.44	2.88		mg/Kg	☼	84	63 - 113	7	30
Nitrobenzene	0.034	U	3.44	2.97		mg/Kg	☼	86	63 - 120	6	30
N-Nitrosodi-n-propylamine	0.034	U	3.44	2.88		mg/Kg	☼	84	60 - 120	6	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-327863-1 MSD
Matrix: Solid
Analysis Batch: 1042412

Client Sample ID: SB-5 (5-7)
Prep Type: Total/NA
Prep Batch: 1042339

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-Nitrosodiphenylamine	0.34	U	3.44	3.36		mg/Kg	☼	98	63 - 120	3	30
Pentachlorophenol	0.27	U	6.89	4.47		mg/Kg	☼	65	61 - 126	13	30
Phenanthrene	0.042	J	3.44	3.25		mg/Kg	☼	93	66 - 120	5	30
Phenol	0.34	U	3.44	2.83		mg/Kg	☼	82	63 - 120	7	30
Pyrene	0.050	J	3.44	3.10		mg/Kg	☼	88	61 - 121	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*77*		*18 - 137*
2-Fluorobiphenyl	*76*		*33 - 117*
2-Fluorophenol (Surr)	*74*		*24 - 120*
Nitrobenzene-d5 (Surr)	*71*		*27 - 120*
Phenol-d5 (Surr)	*73*		*28 - 118*
Terphenyl-d14 (Surr)	*76*		*33 - 124*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-1042662/1-A
Matrix: Solid
Analysis Batch: 1042686

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		06/10/25 19:57	06/11/25 04:09	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-1042662/1-A
Matrix: Solid
Analysis Batch: 1042686

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/10/25 19:57	06/11/25 04:09	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		06/10/25 19:57	06/11/25 04:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*10 - 150*	*06/10/25 19:57*	*06/11/25 04:09*	*1*
DCB Decachlorobiphenyl	*99*		*10 - 150*	*06/10/25 19:57*	*06/11/25 04:09*	*1*
Tetrachloro-m-xylene	*76*		*14 - 150*	*06/10/25 19:57*	*06/11/25 04:09*	*1*
Tetrachloro-m-xylene	*88*		*14 - 150*	*06/10/25 19:57*	*06/11/25 04:09*	*1*

Lab Sample ID: LCS 460-1042662/2-A
Matrix: Solid
Analysis Batch: 1042686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042662

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.133	0.136		mg/Kg		102	71 - 134
4,4'-DDD	0.133	0.126		mg/Kg		94	71 - 134
4,4'-DDE	0.133	0.141		mg/Kg		106	71 - 137
4,4'-DDE	0.133	0.126		mg/Kg		95	71 - 137
4,4'-DDT	0.133	0.155		mg/Kg		116	69 - 140
4,4'-DDT	0.133	0.134		mg/Kg		100	69 - 140
Aldrin	0.133	0.139		mg/Kg		104	68 - 136
Aldrin	0.133	0.124		mg/Kg		93	68 - 136
alpha-BHC	0.133	0.145		mg/Kg		109	71 - 136
alpha-BHC	0.133	0.127		mg/Kg		96	71 - 136
beta-BHC	0.133	0.137		mg/Kg		102	67 - 133
beta-BHC	0.133	0.121		mg/Kg		91	67 - 133
delta-BHC	0.133	0.145		mg/Kg		109	70 - 135
delta-BHC	0.133	0.128		mg/Kg		96	70 - 135
Dieldrin	0.133	0.138		mg/Kg		103	71 - 135
Dieldrin	0.133	0.127		mg/Kg		95	71 - 135
Endosulfan I	0.133	0.142		mg/Kg		107	70 - 141
Endosulfan I	0.133	0.125		mg/Kg		94	70 - 141
Endosulfan II	0.133	0.143		mg/Kg		108	75 - 141
Endosulfan II	0.133	0.132		mg/Kg		99	75 - 141
Endosulfan sulfate	0.133	0.137		mg/Kg		102	67 - 130
Endosulfan sulfate	0.133	0.123		mg/Kg		92	67 - 130
Endrin	0.133	0.142		mg/Kg		106	66 - 143
Endrin	0.133	0.131		mg/Kg		98	66 - 143

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-1042662/2-A
Matrix: Solid
Analysis Batch: 1042686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042662

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Endrin aldehyde			0.133	0.131		mg/Kg		98	70 - 132		
Endrin aldehyde			0.133	0.117		mg/Kg		87	70 - 132		
Endrin ketone			0.133	0.126		mg/Kg		95	66 - 137		
Endrin ketone			0.133	0.120		mg/Kg		90	66 - 137		
gamma-BHC (Lindane)			0.133	0.141		mg/Kg		106	71 - 137		
gamma-BHC (Lindane)			0.133	0.125		mg/Kg		94	71 - 137		
Heptachlor			0.133	0.152		mg/Kg		114	70 - 140		
Heptachlor			0.133	0.133		mg/Kg		100	70 - 140		
Heptachlor epoxide			0.133	0.143		mg/Kg		107	70 - 135		
Heptachlor epoxide			0.133	0.128		mg/Kg		96	70 - 135		
Methoxychlor			0.133	0.151		mg/Kg		113	63 - 138		
Methoxychlor			0.133	0.137		mg/Kg		103	63 - 138		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*10 - 150*
DCB Decachlorobiphenyl	*74*		*10 - 150*
Tetrachloro-m-xylene	*79*		*14 - 150*
Tetrachloro-m-xylene	*106*		*14 - 150*

Lab Sample ID: LCSD 460-1042662/3-A
Matrix: Solid
Analysis Batch: 1042686

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1042662

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.146		mg/Kg		109	71 - 134	14	30
4,4'-DDD			0.133	0.149		mg/Kg		112	71 - 134	10	30
4,4'-DDE			0.133	0.151		mg/Kg		113	71 - 137	18	30
4,4'-DDE			0.133	0.150		mg/Kg		112	71 - 137	6	30
4,4'-DDT			0.133	0.166		mg/Kg		125	69 - 140	22	30
4,4'-DDT			0.133	0.159		mg/Kg		119	69 - 140	3	30
Aldrin			0.133	0.149		mg/Kg		112	68 - 136	19	30
Aldrin			0.133	0.146		mg/Kg		109	68 - 136	5	30
alpha-BHC			0.133	0.156		mg/Kg		117	71 - 136	20	30
alpha-BHC			0.133	0.154		mg/Kg		115	71 - 136	6	30
beta-BHC			0.133	0.146		mg/Kg		110	67 - 133	19	30
beta-BHC			0.133	0.148		mg/Kg		111	67 - 133	8	30
delta-BHC			0.133	0.155		mg/Kg		116	70 - 135	19	30
delta-BHC			0.133	0.152		mg/Kg		114	70 - 135	5	30
Dieldrin			0.133	0.147		mg/Kg		111	71 - 135	15	30
Dieldrin			0.133	0.150		mg/Kg		112	71 - 135	8	30
Endosulfan I			0.133	0.150		mg/Kg		113	70 - 141	19	30
Endosulfan I			0.133	0.147		mg/Kg		110	70 - 141	3	30
Endosulfan II			0.133	0.153		mg/Kg		115	75 - 141	15	30
Endosulfan II			0.133	0.157		mg/Kg		118	75 - 141	9	30
Endosulfan sulfate			0.133	0.146		mg/Kg		109	67 - 130	17	30
Endosulfan sulfate			0.133	0.145		mg/Kg		109	67 - 130	6	30
Endrin			0.133	0.151		mg/Kg		113	66 - 143	14	30
Endrin			0.133	0.155		mg/Kg		116	66 - 143	9	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-1042662/3-A
Matrix: Solid
Analysis Batch: 1042686

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1042662

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endrin aldehyde			0.133	0.140		mg/Kg		105	70 - 132	18	30
Endrin aldehyde			0.133	0.138		mg/Kg		104	70 - 132	6	30
Endrin ketone			0.133	0.134		mg/Kg		100	66 - 137	11	30
Endrin ketone			0.133	0.142		mg/Kg		106	66 - 137	12	30
gamma-BHC (Lindane)			0.133	0.152		mg/Kg		114	71 - 137	19	30
gamma-BHC (Lindane)			0.133	0.151		mg/Kg		113	71 - 137	7	30
Heptachlor			0.133	0.162		mg/Kg		122	70 - 140	20	30
Heptachlor			0.133	0.158		mg/Kg		118	70 - 140	4	30
Heptachlor epoxide			0.133	0.152		mg/Kg		114	70 - 135	17	30
Heptachlor epoxide			0.133	0.152		mg/Kg		114	70 - 135	6	30
Methoxychlor			0.133	0.161		mg/Kg		121	63 - 138	16	30
Methoxychlor			0.133	0.162		mg/Kg		121	63 - 138	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*10 - 150*
DCB Decachlorobiphenyl	*87*		*10 - 150*
Tetrachloro-m-xylene	*84*		*14 - 150*
Tetrachloro-m-xylene	*129*		*14 - 150*

Lab Sample ID: 460-327957-B-3-D MS
Matrix: Solid
Analysis Batch: 1042686

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1042662

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
4,4'-DDD	0.0074	U	0.147	0.106		mg/Kg	☼	72	71 - 134		
4,4'-DDD	0.0074	U	0.147	0.116		mg/Kg	☼	79	71 - 134		
4,4'-DDE	0.0074	U	0.147	0.108		mg/Kg	☼	73	71 - 137		
4,4'-DDE	0.0074	U	0.147	0.875	*	mg/Kg	☼	594	71 - 137		
4,4'-DDT	0.0041	J	0.147	0.129		mg/Kg	☼	85	69 - 140		
4,4'-DDT	0.0041	J	0.147	0.132		mg/Kg	☼	87	69 - 140		
Aldrin	0.0074	U	0.147	0.108		mg/Kg	☼	73	68 - 136		
Aldrin	0.0074	U	0.147	0.180		mg/Kg	☼	122	68 - 136		
alpha-BHC	0.0022	U	0.147	0.118		mg/Kg	☼	80	71 - 136		
alpha-BHC	0.0022	U	0.147	0.131		mg/Kg	☼	89	71 - 136		
beta-BHC	0.0022	U	0.147	0.117		mg/Kg	☼	79	67 - 133		
beta-BHC	0.0022	U	0.147	0.126		mg/Kg	☼	86	67 - 133		
delta-BHC	0.0022	U	0.147	0.114		mg/Kg	☼	77	70 - 135		
delta-BHC	0.0022	U	0.147	0.124		mg/Kg	☼	84	70 - 135		
Dieldrin	0.0022	U	0.147	0.107		mg/Kg	☼	73	71 - 135		
Dieldrin	0.0022	U	0.147	0.117		mg/Kg	☼	80	71 - 135		
Endosulfan I	0.0074	U	0.147	0.109		mg/Kg	☼	74	70 - 141		
Endosulfan I	0.0074	U	0.147	0.117		mg/Kg	☼	80	70 - 141		
Endosulfan II	0.0074	U	0.147	0.111		mg/Kg	☼	75	75 - 141		
Endosulfan II	0.0074	U	0.147	0.122		mg/Kg	☼	83	75 - 141		
Endosulfan sulfate	0.0074	U	0.147	0.109		mg/Kg	☼	74	67 - 130		
Endosulfan sulfate	0.0074	U	0.147	0.114		mg/Kg	☼	77	67 - 130		
Endrin	0.0074	U	0.147	0.111		mg/Kg	☼	75	66 - 143		
Endrin	0.0074	U	0.147	0.123		mg/Kg	☼	83	66 - 143		

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-327957-B-3-D MS
Matrix: Solid
Analysis Batch: 1042686

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1042662

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Endrin aldehyde	0.0074	U	0.147	0.101	*	mg/Kg	☼	68	70 - 132
Endrin aldehyde	0.0074	U	0.147	0.105		mg/Kg	☼	71	70 - 132
Endrin ketone	0.0074	U	0.147	0.102		mg/Kg	☼	69	66 - 137
Endrin ketone	0.0074	U	0.147	0.115		mg/Kg	☼	78	66 - 137
gamma-BHC (Lindane)	0.0022	U	0.147	0.113		mg/Kg	☼	77	71 - 137
gamma-BHC (Lindane)	0.0022	U	0.147	0.128		mg/Kg	☼	87	71 - 137
Heptachlor	0.0074	U	0.147	0.121		mg/Kg	☼	82	70 - 140
Heptachlor	0.0074	U	0.147	0.131		mg/Kg	☼	89	70 - 140
Heptachlor epoxide	0.0074	U	0.147	0.113		mg/Kg	☼	77	70 - 135
Heptachlor epoxide	0.0074	U	0.147	0.118		mg/Kg	☼	80	70 - 135
Methoxychlor	0.0074	U	0.147	0.123		mg/Kg	☼	83	63 - 138
Methoxychlor	0.0074	U	0.147	0.132		mg/Kg	☼	90	63 - 138

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*66*		*10 - 150*
DCB Decachlorobiphenyl	*69*		*10 - 150*
Tetrachloro-m-xylene	*62*		*14 - 150*
Tetrachloro-m-xylene	*84*		*14 - 150*

Lab Sample ID: 460-327957-B-3-E MSD
Matrix: Solid
Analysis Batch: 1042686

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1042662

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.0074	U	0.148	0.120		mg/Kg	☼	81	71 - 134	12	30
4,4'-DDD	0.0074	U	0.148	0.127		mg/Kg	☼	86	71 - 134	9	30
4,4'-DDE	0.0074	U	0.148	0.124		mg/Kg	☼	84	71 - 137	14	30
4,4'-DDE	0.0074	U	0.148	0.128	*	mg/Kg	☼	86	71 - 137	149	30
4,4'-DDT	0.0041	J	0.148	0.142		mg/Kg	☼	93	69 - 140	10	30
4,4'-DDT	0.0041	J	0.148	0.142		mg/Kg	☼	93	69 - 140	7	30
Aldrin	0.0074	U	0.148	0.124		mg/Kg	☼	83	68 - 136	13	30
Aldrin	0.0074	U	0.148	0.125	*	mg/Kg	☼	85	68 - 136	36	30
alpha-BHC	0.0022	U	0.148	0.125		mg/Kg	☼	84	71 - 136	5	30
alpha-BHC	0.0022	U	0.148	0.127		mg/Kg	☼	85	71 - 136	3	30
beta-BHC	0.0022	U	0.148	0.123		mg/Kg	☼	83	67 - 133	5	30
beta-BHC	0.0022	U	0.148	0.129		mg/Kg	☼	87	67 - 133	3	30
delta-BHC	0.0022	U	0.148	0.122		mg/Kg	☼	82	70 - 135	6	30
delta-BHC	0.0022	U	0.148	0.123		mg/Kg	☼	83	70 - 135	1	30
Dieldrin	0.0022	U	0.148	0.123		mg/Kg	☼	83	71 - 135	14	30
Dieldrin	0.0022	U	0.148	0.128		mg/Kg	☼	86	71 - 135	9	30
Endosulfan I	0.0074	U	0.148	0.125		mg/Kg	☼	84	70 - 141	13	30
Endosulfan I	0.0074	U	0.148	0.124		mg/Kg	☼	84	70 - 141	5	30
Endosulfan II	0.0074	U	0.148	0.127		mg/Kg	☼	85	75 - 141	13	30
Endosulfan II	0.0074	U	0.148	0.134		mg/Kg	☼	90	75 - 141	9	30
Endosulfan sulfate	0.0074	U	0.148	0.121		mg/Kg	☼	81	67 - 130	11	30
Endosulfan sulfate	0.0074	U	0.148	0.124		mg/Kg	☼	83	67 - 130	8	30
Endrin	0.0074	U	0.148	0.126		mg/Kg	☼	85	66 - 143	13	30
Endrin	0.0074	U	0.148	0.135		mg/Kg	☼	91	66 - 143	9	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-327957-B-3-E MSD
Matrix: Solid
Analysis Batch: 1042686

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1042662

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endrin aldehyde	0.0074	U	0.148	0.113		mg/Kg	☼	76	70 - 132	11	30
Endrin aldehyde	0.0074	U	0.148	0.117		mg/Kg	☼	79	70 - 132	11	30
Endrin ketone	0.0074	U	0.148	0.110		mg/Kg	☼	74	66 - 137	8	30
Endrin ketone	0.0074	U	0.148	0.122		mg/Kg	☼	83	66 - 137	6	30
gamma-BHC (Lindane)	0.0022	U	0.148	0.123		mg/Kg	☼	83	71 - 137	9	30
gamma-BHC (Lindane)	0.0022	U	0.148	0.127		mg/Kg	☼	86	71 - 137	1	30
Heptachlor	0.0074	U	0.148	0.136		mg/Kg	☼	92	70 - 140	12	30
Heptachlor	0.0074	U	0.148	0.138		mg/Kg	☼	93	70 - 140	5	30
Heptachlor epoxide	0.0074	U	0.148	0.127		mg/Kg	☼	86	70 - 135	12	30
Heptachlor epoxide	0.0074	U	0.148	0.132		mg/Kg	☼	89	70 - 135	11	30
Methoxychlor	0.0074	U	0.148	0.138		mg/Kg	☼	93	63 - 138	12	30
Methoxychlor	0.0074	U	0.148	0.145		mg/Kg	☼	98	63 - 138	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*58*		*10 - 150*
DCB Decachlorobiphenyl	*61*		*10 - 150*
Tetrachloro-m-xylene	*61*		*14 - 150*
Tetrachloro-m-xylene	*70*		*14 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-1042661/1-A
Matrix: Solid
Analysis Batch: 1042794

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042661

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		06/10/25 19:56	06/11/25 12:31	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-1042661/1-A
Matrix: Solid
Analysis Batch: 1042794

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042661

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	88		10 - 150	06/10/25 19:56	06/11/25 12:31	1
DCB Decachlorobiphenyl	95		10 - 150	06/10/25 19:56	06/11/25 12:31	1
Tetrachloro-m-xylene	76		10 - 150	06/10/25 19:56	06/11/25 12:31	1
Tetrachloro-m-xylene	78		10 - 150	06/10/25 19:56	06/11/25 12:31	1

Lab Sample ID: LCS 460-1042661/2-A
Matrix: Solid
Analysis Batch: 1042794

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042661

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016			0.333	0.314		mg/Kg		94	59 - 149		
Aroclor 1016			0.333	0.330		mg/Kg		99	59 - 149		
Aroclor 1260			0.333	0.319		mg/Kg		96	62 - 145		
Aroclor 1260			0.333	0.356		mg/Kg		107	62 - 145		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	94		10 - 150
DCB Decachlorobiphenyl	103		10 - 150
Tetrachloro-m-xylene	84		10 - 150
Tetrachloro-m-xylene	88		10 - 150

Lab Sample ID: LCSD 460-1042661/3-A
Matrix: Solid
Analysis Batch: 1042794

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1042661

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.312		mg/Kg		94	59 - 149	1	30
Aroclor 1016			0.333	0.322		mg/Kg		97	59 - 149	2	30
Aroclor 1260			0.333	0.317		mg/Kg		95	62 - 145	1	30
Aroclor 1260			0.333	0.351		mg/Kg		105	62 - 145	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	94		10 - 150
DCB Decachlorobiphenyl	102		10 - 150
Tetrachloro-m-xylene	83		10 - 150
Tetrachloro-m-xylene	86		10 - 150

Lab Sample ID: 460-327957-B-3-A MS
Matrix: Solid
Analysis Batch: 1042794

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1042661

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016	0.074	U	0.368	0.491		mg/Kg	☼	133	59 - 149		
Aroclor 1016	0.074	U	0.368	0.479		mg/Kg	☼	130	59 - 149		
Aroclor 1260	0.074	U	0.368	0.475		mg/Kg	☼	129	62 - 145		
Aroclor 1260	0.074	U	0.368	0.489		mg/Kg	☼	133	62 - 145		

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-327957-B-3-A MS
Matrix: Solid
Analysis Batch: 1042794

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1042661

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	142		10 - 150
DCB Decachlorobiphenyl	138		10 - 150
Tetrachloro-m-xylene	109		10 - 150
Tetrachloro-m-xylene	110		10 - 150

Lab Sample ID: 460-327957-B-3-B MSD
Matrix: Solid
Analysis Batch: 1042794

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1042661

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.074	U	0.367	0.414		mg/Kg	☼	113	59 - 149	17	30
Aroclor 1016	0.074	U	0.367	0.417		mg/Kg	☼	114	59 - 149	14	30
Aroclor 1260	0.074	U	0.367	0.398		mg/Kg	☼	109	62 - 145	17	30
Aroclor 1260	0.074	U	0.367	0.415		mg/Kg	☼	113	62 - 145	16	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	119		10 - 150
DCB Decachlorobiphenyl	114		10 - 150
Tetrachloro-m-xylene	93		10 - 150
Tetrachloro-m-xylene	95		10 - 150

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1043171/1-A
Matrix: Solid
Analysis Batch: 1043497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1043171

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	5.5	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Antimony	1.0	U	1.0	0.15	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Barium	2.0	U	2.0	0.15	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Beryllium	0.40	U	0.40	0.022	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Calcium	100	U	100	9.7	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Chromium	2.0	U	2.0	0.30	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Copper	2.0	U	2.0	0.37	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Iron	60.0	U	60.0	7.7	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Lead	0.60	U	0.60	0.20	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Magnesium	100	U	100	10.2	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Manganese	4.0	U	4.0	0.40	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Nickel	2.0	U	2.0	0.18	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Potassium	100	U	100	16.2	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Selenium	1.3	U	1.3	0.13	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Silver	0.40	U	0.40	0.089	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Sodium	100	U	100	45.7	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Thallium	0.40	U	0.40	0.041	mg/Kg		06/12/25 15:20	06/13/25 16:35	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-1043171/1-A
Matrix: Solid
Analysis Batch: 1043497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1043171

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	2.0	U	2.0	0.21	mg/Kg		06/12/25 15:20	06/13/25 16:35	1
Zinc	8.0	U	8.0	1.1	mg/Kg		06/12/25 15:20	06/13/25 16:35	1

Lab Sample ID: LCSSRM 460-1043171/2-A ^3
Matrix: Solid
Analysis Batch: 1043497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1043171

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	6840	5209		mg/Kg		76.1	53.2 - 146.2
Antimony	131	67.06		mg/Kg		51.2	4.5 - 195.4
Arsenic	192	173.9		mg/Kg		90.6	81.3 - 118.8
Barium	219	197.8		mg/Kg		90.3	81.7 - 118.3
Beryllium	146	138.6		mg/Kg		95.0	82.2 - 117.8
Cadmium	114	99.66		mg/Kg		87.4	81.7 - 118.4
Calcium	4080	3818		mg/Kg		93.6	82.4 - 117.6
Chromium	153	141.8		mg/Kg		92.6	81.0 - 119.0
Cobalt	231	224.1		mg/Kg		97.0	83.1 - 117.3
Copper	91.2	84.90		mg/Kg		93.1	83.1 - 117.3
Iron	7020	5651		mg/Kg		80.5	60.7 - 139.2
Lead	141	123.9		mg/Kg		87.9	81.6 - 118.4
Magnesium	1900	1644		mg/Kg		86.5	76.3 - 123.7
Manganese	401	369.0		mg/Kg		92.0	80.8 - 119.0
Nickel	143	143.1		mg/Kg		100.1	81.8 - 118.9
Potassium	1760	1469		mg/Kg		83.4	72.2 - 127.8
Selenium	94.7	87.69		mg/Kg		92.6	78.5 - 121.4
Silver	77.0	69.59		mg/Kg		90.4	79.4 - 120.6
Sodium	661	658.4		mg/Kg		99.6	73.7 - 126.2
Thallium	183	160.3		mg/Kg		87.6	80.3 - 119.7
Vanadium	159	142.0		mg/Kg		89.3	78.6 - 122.0
Zinc	292	273.4		mg/Kg		93.6	79.8 - 120.2

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-327957-B-3-L MS
Matrix: Solid
Analysis Batch: 1043497

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1043171

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7630		422	8598	4	mg/Kg	☼	228	75 - 125
Antimony	1.4		4.22	5.34		mg/Kg	☼	94	75 - 125
Arsenic	4.3		8.44	12.57		mg/Kg	☼	98	75 - 125
Barium	751		8.44	679.1	4	mg/Kg	☼	-857	75 - 125
Beryllium	0.33	J	4.22	4.36		mg/Kg	☼	96	75 - 125
Cadmium	0.84	J	4.22	4.73		mg/Kg	☼	92	75 - 125
Calcium	43200		422	49550	4	mg/Kg	☼	1494	75 - 125
Chromium	20.4		8.44	30.02		mg/Kg	☼	114	75 - 125
Cobalt	5.3		4.22	9.17		mg/Kg	☼	93	75 - 125
Copper	30.8		8.44	39.54		mg/Kg	☼	104	75 - 125
Iron	19500		422	14600	4	mg/Kg	☼	-1171	75 - 125
Lead	226		4.22	230.4	4	mg/Kg	☼	114	75 - 125
Magnesium	5020		422	5458	4	mg/Kg	☼	104	75 - 125
Manganese	242		42.2	255.2	4	mg/Kg	☼	31	75 - 125
Nickel	17.5		8.44	24.59		mg/Kg	☼	84	75 - 125
Potassium	2090		422	2352	4	mg/Kg	☼	62	75 - 125
Selenium	0.19	J	8.44	7.91		mg/Kg	☼	91	75 - 125
Silver	0.079	J	4.22	3.91		mg/Kg	☼	93	75 - 125
Sodium	567		422	924.7		mg/Kg	☼	85	75 - 125
Thallium	0.11	J	3.38	3.27		mg/Kg	☼	94	75 - 125
Vanadium	37.4		8.44	42.84	4	mg/Kg	☼	65	75 - 125
Zinc	555		42.2	625.2	4	mg/Kg	☼	166	75 - 125

Lab Sample ID: 460-327957-B-3-M MSD
Matrix: Solid
Analysis Batch: 1043497

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1043171

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	7630		428	7796	4	mg/Kg	☼	38	75 - 125	10	20
Antimony	1.4		4.28	5.05		mg/Kg	☼	86	75 - 125	5	20
Arsenic	4.3		8.57	11.82		mg/Kg	☼	88	75 - 125	6	20
Barium	751		8.57	730.1	4	mg/Kg	☼	-248	75 - 125	7	20
Beryllium	0.33	J	4.28	4.40		mg/Kg	☼	95	75 - 125	1	20
Cadmium	0.84	J	4.28	4.53		mg/Kg	☼	86	75 - 125	4	20
Calcium	43200		428	41020	4	mg/Kg	☼	-518	75 - 125	19	20
Chromium	20.4		8.57	26.21	N	mg/Kg	☼	68	75 - 125	14	20
Cobalt	5.3		4.28	8.70		mg/Kg	☼	80	75 - 125	5	20
Copper	30.8		8.57	45.74	N	mg/Kg	☼	174	75 - 125	15	20
Iron	19500		428	14520	4	mg/Kg	☼	-1172	75 - 125	1	20
Lead	226		4.28	282.0	4	mg/Kg	☼	1317	75 - 125	20	20
Magnesium	5020		428	4838	4	mg/Kg	☼	-43	75 - 125	12	20
Manganese	242		42.8	284.0	4	mg/Kg	☼	98	75 - 125	11	20
Nickel	17.5		8.57	23.51	N	mg/Kg	☼	70	75 - 125	4	20
Potassium	2090		428	2036	4	mg/Kg	☼	-13	75 - 125	14	20
Selenium	0.19	J	8.57	7.74		mg/Kg	☼	88	75 - 125	2	20
Silver	0.079	J	4.28	3.90		mg/Kg	☼	91	75 - 125	0	20
Sodium	567		428	941.1		mg/Kg	☼	87	75 - 125	2	20
Thallium	0.11	J	3.43	3.24		mg/Kg	☼	91	75 - 125	1	20
Vanadium	37.4		8.57	37.65	4	mg/Kg	☼	3	75 - 125	13	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-327957-B-3-M MSD
Matrix: Solid
Analysis Batch: 1043497

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1043171

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Zinc	555		42.8	601.9	4	mg/Kg	☼	109	75 - 125	4	20

Lab Sample ID: 460-327957-B-3-K DU
Matrix: Solid
Analysis Batch: 1043497

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1043171

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	7630		9354		mg/Kg	☼	20	20
Antimony	1.4		2.06		mg/Kg	☼	41	20
Arsenic	4.3		4.21		mg/Kg	☼	1	20
Barium	751		627.1		mg/Kg	☼	18	20
Beryllium	0.33	J	0.376		mg/Kg	☼	14	20
Cadmium	0.84	J	0.894		mg/Kg	☼	7	20
Calcium	43200		50910		mg/Kg	☼	16	20
Chromium	20.4		22.06		mg/Kg	☼	8	20
Cobalt	5.3		5.44		mg/Kg	☼	3	20
Copper	30.8		36.29		mg/Kg	☼	16	20
Iron	19500		15970		mg/Kg	☼	20	20
Lead	226		223.6		mg/Kg	☼	0.9	20
Magnesium	5020		7651	*	mg/Kg	☼	42	20
Manganese	242		220.4		mg/Kg	☼	9	20
Nickel	17.5		16.46		mg/Kg	☼	6	20
Potassium	2090		2498		mg/Kg	☼	18	20
Selenium	0.19	J	0.217	J	mg/Kg	☼	13	20
Silver	0.079	J	0.35	U	mg/Kg	☼	NC	20
Sodium	567		698.2	*	mg/Kg	☼	21	20
Thallium	0.11	J	0.176	J	mg/Kg	☼	47	20
Vanadium	37.4		36.67		mg/Kg	☼	2	20
Zinc	555		632.1		mg/Kg	☼	13	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-1043262/1-A
Matrix: Solid
Analysis Batch: 1043312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1043262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		06/13/25 01:44	06/13/25 06:39	1

Lab Sample ID: LCSSRM 460-1043262/2-A ^40
Matrix: Solid
Analysis Batch: 1043312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1043262

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	14.1	14.02		mg/Kg		99.4	69.6 - 130.5

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-327862-C-11-I MS
Matrix: Solid
Analysis Batch: 1043312

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1043262

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.011	J	0.0896	0.110		mg/Kg	☼	111	80 - 120

Lab Sample ID: 460-327862-C-11-J MSD
Matrix: Solid
Analysis Batch: 1043312

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1043262

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.011	J	0.0896	0.110		mg/Kg	☼	110	80 - 120	0	20

Lab Sample ID: 460-327862-C-11-H DU
Matrix: Solid
Analysis Batch: 1043312

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1043262

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.011	J	0.0140	J	mg/Kg	☼	24	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-327861-A-7 DU
Matrix: Solid
Analysis Batch: 1042268

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	7.8		4.8	*	%		48	20
Percent Solids	92.2		95.2		%		3	20

GC/MS VOA

Prep Batch: 1042509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327863-1	SB-5 (5-7)	Total/NA	Solid	5035	
460-327863-2	SB-5 (14-15)	Total/NA	Solid	5035	

Analysis Batch: 1042988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327863-1	SB-5 (5-7)	Total/NA	Solid	8260D	1042509
460-327863-2	SB-5 (14-15)	Total/NA	Solid	8260D	1042509
MB 460-1042988/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-1042988/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1042988/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 1042339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327863-1	SB-5 (5-7)	Total/NA	Solid	3546	
460-327863-2	SB-5 (14-15)	Total/NA	Solid	3546	
MB 460-1042339/26-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1042339/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1042339/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-327863-1 MS	SB-5 (5-7)	Total/NA	Solid	3546	
460-327863-1 MSD	SB-5 (5-7)	Total/NA	Solid	3546	

Analysis Batch: 1042412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327863-1	SB-5 (5-7)	Total/NA	Solid	8270E	1042339
460-327863-2	SB-5 (14-15)	Total/NA	Solid	8270E	1042339
MB 460-1042339/26-A	Method Blank	Total/NA	Solid	8270E	1042339
LCS 460-1042339/2-A	Lab Control Sample	Total/NA	Solid	8270E	1042339
LCSD 460-1042339/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1042339
460-327863-1 MS	SB-5 (5-7)	Total/NA	Solid	8270E	1042339
460-327863-1 MSD	SB-5 (5-7)	Total/NA	Solid	8270E	1042339

GC Semi VOA

Prep Batch: 1042661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327863-1	SB-5 (5-7)	Total/NA	Solid	3546	
460-327863-2	SB-5 (14-15)	Total/NA	Solid	3546	
MB 460-1042661/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1042661/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1042661/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-327957-B-3-A MS	Matrix Spike	Total/NA	Solid	3546	
460-327957-B-3-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 1042662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327863-1	SB-5 (5-7)	Total/NA	Solid	3546	
460-327863-2	SB-5 (14-15)	Total/NA	Solid	3546	
MB 460-1042662/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1042662/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1042662/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 1042662 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327957-B-3-D MS	Matrix Spike	Total/NA	Solid	3546	
460-327957-B-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1042686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327863-1	SB-5 (5-7)	Total/NA	Solid	8081B	1042662
460-327863-2	SB-5 (14-15)	Total/NA	Solid	8081B	1042662
MB 460-1042662/1-A	Method Blank	Total/NA	Solid	8081B	1042662
LCS 460-1042662/2-A	Lab Control Sample	Total/NA	Solid	8081B	1042662
LCSD 460-1042662/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	1042662
460-327957-B-3-D MS	Matrix Spike	Total/NA	Solid	8081B	1042662
460-327957-B-3-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	1042662

Analysis Batch: 1042794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327863-1	SB-5 (5-7)	Total/NA	Solid	8082A	1042661
460-327863-2	SB-5 (14-15)	Total/NA	Solid	8082A	1042661
MB 460-1042661/1-A	Method Blank	Total/NA	Solid	8082A	1042661
LCS 460-1042661/2-A	Lab Control Sample	Total/NA	Solid	8082A	1042661
LCSD 460-1042661/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	1042661
460-327957-B-3-A MS	Matrix Spike	Total/NA	Solid	8082A	1042661
460-327957-B-3-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	1042661

Metals

Prep Batch: 1043171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327863-1	SB-5 (5-7)	Total/NA	Solid	3050B	
460-327863-2	SB-5 (14-15)	Total/NA	Solid	3050B	
MB 460-1043171/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-1043171/2-A ^	Lab Control Sample	Total/NA	Solid	3050B	
460-327957-B-3-L MS	Matrix Spike	Total/NA	Solid	3050B	
460-327957-B-3-M MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	
460-327957-B-3-K DU	Duplicate	Total/NA	Solid	3050B	

Prep Batch: 1043262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327863-1	SB-5 (5-7)	Total/NA	Solid	7471B	
460-327863-2	SB-5 (14-15)	Total/NA	Solid	7471B	
MB 460-1043262/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1043262/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-327862-C-11-I MS	Matrix Spike	Total/NA	Solid	7471B	
460-327862-C-11-J MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	
460-327862-C-11-H DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 1043312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327863-1	SB-5 (5-7)	Total/NA	Solid	7471B	1043262
460-327863-2	SB-5 (14-15)	Total/NA	Solid	7471B	1043262
MB 460-1043262/1-A	Method Blank	Total/NA	Solid	7471B	1043262
LCSSRM 460-1043262/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	1043262

Metals (Continued)

Analysis Batch: 1043312 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327862-C-11-I MS	Matrix Spike	Total/NA	Solid	7471B	1043262
460-327862-C-11-J MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	1043262
460-327862-C-11-H DU	Duplicate	Total/NA	Solid	7471B	1043262

Analysis Batch: 1043497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327863-1	SB-5 (5-7)	Total/NA	Solid	6020B	1043171
460-327863-2	SB-5 (14-15)	Total/NA	Solid	6020B	1043171
MB 460-1043171/1-A	Method Blank	Total/NA	Solid	6020B	1043171
LCSSRM 460-1043171/2-A ^	Lab Control Sample	Total/NA	Solid	6020B	1043171
460-327957-B-3-L MS	Matrix Spike	Total/NA	Solid	6020B	1043171
460-327957-B-3-M MSD	Matrix Spike Duplicate	Total/NA	Solid	6020B	1043171
460-327957-B-3-K DU	Duplicate	Total/NA	Solid	6020B	1043171

General Chemistry

Analysis Batch: 1042268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327863-1	SB-5 (5-7)	Total/NA	Solid	Moisture	
460-327863-2	SB-5 (14-15)	Total/NA	Solid	Moisture	
460-327861-A-7 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327863-1

Client Sample ID: SB-5 (5-7)
Date Collected: 06/06/25 10:00
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327863-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1042268	CJC	EET EDI	06/08/25 15:26

Client Sample ID: SB-5 (5-7)
Date Collected: 06/06/25 10:00
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327863-1
Matrix: Solid
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1042509	JCZ	EET EDI	06/10/25 07:55
Total/NA	Analysis	8260D		1	1042988	AAT	EET EDI	06/12/25 13:18
Total/NA	Prep	3546			1042339	SXS	EET EDI	06/09/25 09:57
Total/NA	Analysis	8270E		1	1042412	MME	EET EDI	06/09/25 20:46
Total/NA	Prep	3546			1042662	GXY	EET EDI	06/10/25 19:57
Total/NA	Analysis	8081B		1	1042686	FAM	EET EDI	06/11/25 05:11
Total/NA	Prep	3546			1042661	GXY	EET EDI	06/10/25 19:56
Total/NA	Analysis	8082A		1	1042794	SAK	EET EDI	06/11/25 14:24
Total/NA	Prep	3050B			1043171	GAE	EET EDI	06/12/25 15:20
Total/NA	Analysis	6020B		1	1043497	CDC	EET EDI	06/13/25 17:45
Total/NA	Prep	7471B			1043262	TJS	EET EDI	06/13/25 01:44
Total/NA	Analysis	7471B		1	1043312	TJS	EET EDI	06/13/25 07:06

Client Sample ID: SB-5 (14-15)
Date Collected: 06/06/25 10:10
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327863-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1042268	CJC	EET EDI	06/08/25 15:26

Client Sample ID: SB-5 (14-15)
Date Collected: 06/06/25 10:10
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327863-2
Matrix: Solid
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1042509	JCZ	EET EDI	06/10/25 07:56
Total/NA	Analysis	8260D		1	1042988	AAT	EET EDI	06/12/25 13:41
Total/NA	Prep	3546			1042339	SXS	EET EDI	06/09/25 09:57
Total/NA	Analysis	8270E		1	1042412	MME	EET EDI	06/09/25 21:05
Total/NA	Prep	3546			1042662	GXY	EET EDI	06/10/25 19:57
Total/NA	Analysis	8081B		1	1042686	FAM	EET EDI	06/11/25 05:23
Total/NA	Prep	3546			1042661	GXY	EET EDI	06/10/25 19:56
Total/NA	Analysis	8082A		1	1042794	SAK	EET EDI	06/11/25 14:47
Total/NA	Prep	3050B			1043171	GAE	EET EDI	06/12/25 15:20
Total/NA	Analysis	6020B		1	1043497	CDC	EET EDI	06/13/25 17:48
Total/NA	Prep	7471B			1043262	TJS	EET EDI	06/13/25 01:44
Total/NA	Analysis	7471B		1	1043312	TJS	EET EDI	06/13/25 07:11

Lab Chronicle

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327863-1

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327863-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327863-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
3050B	Preparation, Metals	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327863-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-327863-1	SB-5 (5-7)	Solid	06/06/25 10:00	06/06/25 20:00
460-327863-2	SB-5 (14-15)	Solid	06/06/25 10:10	06/06/25 20:00

Chain of Custody Record 761390

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Address. _____

_____

_____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: William J Fitchett	Site Contact: W Fitchett	Date 6/6/25	COC No: 1 of 1 COCs
Company Name: GEI Consultants	Tel/Email wfitchett@geiconsultants	Lab Contact: K. Pauly	Carrier Courier	Sampler
Address. 1600 New York Ave, Ste B	Analysis Turnaround Time			For Lab Use Only
City/State/Zip. Huntington Station NY 11746	☐ CALENDAR DAYS ☑ WORKING DAYS			Walk-in Client:
Phone 631-760-9300	TAT if different from Below _____			Lab Sampling:
Fax:	☐ 2 weeks			
Project Name. 28-12 41st Ave	☐ 1 week standard			Job / SDG No. 327863
Site 28-12 41st Ave, Queens, NY	☐ 2 days			
PO# 7502602	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs 8260	SVOCs 8270 B/N	Pest/PCB 8081/8082	TAL Metals 6010/7471	Sample Specific Notes.
~~SB-5(5-7)~~ SB-5(5-7)	6/6/25	1000	G/C	S	5			X	X	X	X	-1
SB-5(14-15)	6/6/25	1010	G/C	S	5			X	X	X	X	-2

460-327863 Chain of Custody

SHORT HOLD

Page 53 of 55

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments. Please include Nick Recchia on results nrecchia@geiconsultants.com 4.6°C

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp. (°C): Obs'd. 4.2 Corr'd _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
WJF	GEI			Fed	6/6/25 1325
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Fed	6/6/25	ETA	06-6-25	1530 PM
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
ETA	06-6-25	801		ETA	6/6 2000

6/16/2025

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 327863

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	4.2 °C	4.6 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s) adjusted _____

Preservative Name/Conc. _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Initials SV Date: 6/7/25

Login Sample Receipt Checklist

Client: GEI Consultants Inc

Job Number: 460-327863-1

Login Number: 327863
List Number: 1
Creator: Lysy, Susan

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: William Fitchett
GEI Consultants Inc
1000 New York Avenue
Huntington Station, New York 11746

Generated 6/16/2025 9:48:37 AM

JOB DESCRIPTION

28-12 41st Avenue

JOB NUMBER

460-327747-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Job Notes

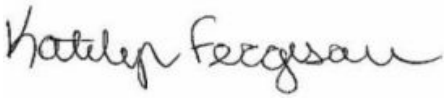
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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization



Generated
6/16/2025 9:48:37 AM

Authorized for release by
Katelyn Ferguson, Project Manager I
katelyn.ferguson@et.eurofinsus.com
Designee for
Katelyn Connelly, Project Manager I
Katelyn.Connelly@et.eurofinsus.com
(732)549-3900

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Definitions/Glossary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327747-1

Qualifiers

LCMS

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-327747-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 6/5/2025 8:00 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C.

Method 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A
Sample SB-3 (5-7) (460-327747-1) was analyzed for Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A. The sample was prepared on 6/11/2025 and analyzed on 6/12/2025.

Method Moisture - Percent Moisture
Sample SB-3 (5-7) (460-327747-1) was analyzed for Percent Moisture. The sample was analyzed on 6/10/2025.

Detection Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327747-1

Client Sample ID: SB-3 (5-7)

Lab Sample ID: 460-327747-1

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327747-1

Client Sample ID: SB-3 (5-7)
Date Collected: 06/05/25 10:40
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327747-1
Matrix: Solid
Percent Solids: 93.4

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.40	U	0.40	0.13	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.050	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.059	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.069	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.059	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.059	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.050	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.050	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.050	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.069	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.069	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.069	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.059	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.050	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.069	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.11	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.069	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.059	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.099	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.13	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	0.40	0.13	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.089	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.089	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.099	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.079	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.11	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.99	U	0.99	0.30	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.99	U	0.99	0.30	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.11	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.059	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.050	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.069	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.069	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.089	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.079	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327747-1

Client Sample ID: SB-3 (5-7)
Date Collected: 06/05/25 10:40
Date Received: 06/05/25 20:00

Lab Sample ID: 460-327747-1
Matrix: Solid
Percent Solids: 93.4

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.050	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.99	U	0.99	0.50	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.99	U	0.99	0.40	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.050	ng/g	☼	06/11/25 07:33	06/12/25 17:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4-PFBA	*79.2*		*8 - 130*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
13C5-PFPeA	*75.6*		*35 - 130*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
13C5-PFHxA	*71.8*		*40 - 130*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
13C4-PFHpA	*75.2*		*40 - 130*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
13C8-PFOA	*69.9*		*40 - 130*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
13C9-PFNA	*65.7*		*40 - 130*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
13C6-PFDA	*69.6*		*40 - 130*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
13C7-PFUnA	*77.8*		*40 - 130*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
13C2 PFDoA	*67.2*		*40 - 130*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
13C2-PFTeDA	*52.9*		*20 - 130*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
13C3-PFBS	*66.2*		*40 - 135*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
13C3-PFHxS	*67.7*		*40 - 130*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
13C8-PFOS	*72.9*		*40 - 130*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
13C8-PFOSA	*58.2*		*40 - 130*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
d3-NMeFOSAA	*61.9*		*40 - 135*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
d5-NEtFOSAA	*53.4*		*40 - 150*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
13C2 4:2 FTS	*63.1*		*40 - 165*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
13C2 6:2 FTS	*59.3*		*40 - 215*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
13C2 8:2 FTS	*53.4*		*40 - 275*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
13C3-HFPO-DA	*63.3*		*40 - 130*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
D7-NMeFOSE	*33.4*		*20 - 130*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
D9-NEtFOSE	*23.0*		*15 - 130*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
d5-NEtPFOSA	*53.1*		*10 - 130*	*06/11/25 07:33*	*06/12/25 17:23*	*1*
d3-NMePFOSA	*57.3*		*10 - 130*	*06/11/25 07:33*	*06/12/25 17:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.6**		1.0	1.0	%			06/10/25 06:40	1
Percent Solids (EPA Moisture)	**93.4**		1.0	1.0	%			06/10/25 06:40	1

Isotope Dilution Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327747-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (8-130)	PFPeA (35-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (40-130)
460-327747-1	SB-3 (5-7)	79.2	75.6	71.8	75.2	69.9	65.7	69.6	77.8
460-327747-1 MS	SB-3 (5-7)	101	99.2	100	99.7	96.7	96.1	85.8	88.0
460-327747-1 MSD	SB-3 (5-7)	88.1	88.5	87.8	87.7	87.2	80.3	76.3	71.4
LCS 410-655870/2-A	Lab Control Sample	100	98.6	97.9	100	91.9	91.6	97.3	103
LLCS 410-655870/3-A	Lab Control Sample	94.8	89.1	89.1	88.2	85.9	83.0	85.3	87.5
MB 410-655870/1-A	Method Blank	100	101	104	102	104	99.0	94.0	107

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (40-130)	PFTDA (20-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-135)	d5NEFOS (40-150)
460-327747-1	SB-3 (5-7)	67.2	52.9	66.2	67.7	72.9	58.2	61.9	53.4
460-327747-1 MS	SB-3 (5-7)	81.0	65.6	94.6	91.8	88.4	82.1	73.0	63.3
460-327747-1 MSD	SB-3 (5-7)	62.5	46.3	82.7	72.6	59.8	72.5	65.3	51.5
LCS 410-655870/2-A	Lab Control Sample	91.6	90.3	95.6	95.6	95.5	82.3	87.1	73.6
LLCS 410-655870/3-A	Lab Control Sample	90.1	73.1	86.8	84.5	89.4	75.6	80.6	66.4
MB 410-655870/1-A	Method Blank	99.3	86.3	95.4	96.3	98.9	88.9	89.3	79.9

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M242FTS (40-165)	M262FTS (40-215)	M282FTS (40-275)	HFPODA (40-130)	NMFM (20-130)	NEFM (15-130)	d5NPFSA (10-130)	d3NMFSA (10-130)
460-327747-1	SB-3 (5-7)	63.1	59.3	53.4	63.3	33.4	23.0	53.1	57.3
460-327747-1 MS	SB-3 (5-7)	83.7	89.5	70.5	94.2	43.4	30.3	67.0	72.4
460-327747-1 MSD	SB-3 (5-7)	79.2	78.2	64.0	82.7	28.9	17.5	57.4	64.7
LCS 410-655870/2-A	Lab Control Sample	88.4	95.8	76.6	96.0	47.3	43.5	71.2	76.0
LLCS 410-655870/3-A	Lab Control Sample	83.9	85.4	74.8	82.2	51.9	44.0	66.2	69.6
MB 410-655870/1-A	Method Blank	90.7	98.1	85.3	101	58.3	53.3	77.1	80.4

Surrogate Legend

PFBA = 13C4-PFBA
PFPeA = 13C5-PFPeA
13C5PHA = 13C5-PFHxA
C4PFHA = 13C4-PFHpA
C8PFOA = 13C8-PFOA
C9PFNA = 13C9-PFNA
C6PFDA = 13C6-PFDA
13C7PUA = 13C7-PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2-PFTeDA
C3PFBS = 13C3-PFBS
C3PFHS = 13C3-PFHxS
C8PFOS = 13C8-PFOS
PFOSA = 13C8-PFOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3-HFPO-DA
NMFM = D7-NMeFOSE
NEFM = D9-NEtFOSE
d5NPFSA = d5-NEtPFOSA

Isotope Dilution Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327747-1

d3NMFSA = d3-NMePFOSA

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 410-655870/1-A
Matrix: Solid
Analysis Batch: 656521

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 655870

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.40	U	0.40	0.13	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.050	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.059	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.069	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.059	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.059	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.050	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.050	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.050	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.069	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.069	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.069	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.059	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.050	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.069	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.11	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.069	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.059	ng/g		06/11/25 07:33	06/12/25 15:07	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	0.40	0.099	ng/g		06/11/25 07:33	06/12/25 15:07	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	0.40	0.13	ng/g		06/11/25 07:33	06/12/25 15:07	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	0.40	0.13	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.089	ng/g		06/11/25 07:33	06/12/25 15:07	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.089	ng/g		06/11/25 07:33	06/12/25 15:07	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.099	ng/g		06/11/25 07:33	06/12/25 15:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.079	ng/g		06/11/25 07:33	06/12/25 15:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.11	ng/g		06/11/25 07:33	06/12/25 15:07	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.99	U	0.99	0.30	ng/g		06/11/25 07:33	06/12/25 15:07	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.99	U	0.99	0.30	ng/g		06/11/25 07:33	06/12/25 15:07	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	0.20	0.11	ng/g		06/11/25 07:33	06/12/25 15:07	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	0.20	0.059	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	0.20	0.050	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	0.20	0.069	ng/g		06/11/25 07:33	06/12/25 15:07	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	0.20	0.069	ng/g		06/11/25 07:33	06/12/25 15:07	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	0.20	0.089	ng/g		06/11/25 07:33	06/12/25 15:07	1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-655870/1-A
Matrix: Solid
Analysis Batch: 656521

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 655870

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	0.20	0.079	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	0.20	0.050	ng/g		06/11/25 07:33	06/12/25 15:07	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	0.40	0.20	ng/g		06/11/25 07:33	06/12/25 15:07	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.99	U	0.99	0.50	ng/g		06/11/25 07:33	06/12/25 15:07	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.99	U	0.99	0.40	ng/g		06/11/25 07:33	06/12/25 15:07	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.050	ng/g		06/11/25 07:33	06/12/25 15:07	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4-PFBA	*100*		*8 - 130*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
13C5-PFPeA	*101*		*35 - 130*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
13C5-PFHxA	*104*		*40 - 130*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
13C4-PFHpA	*102*		*40 - 130*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
13C8-PFOA	*104*		*40 - 130*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
13C9-PFNA	*99.0*		*40 - 130*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
13C6-PFDA	*94.0*		*40 - 130*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
13C7-PFUnA	*107*		*40 - 130*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
13C2 PFDoA	*99.3*		*40 - 130*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
13C2-PFTeDA	*86.3*		*20 - 130*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
13C3-PFBS	*95.4*		*40 - 135*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
13C3-PFHxS	*96.3*		*40 - 130*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
13C8-PFOS	*98.9*		*40 - 130*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
13C8-PFOSA	*88.9*		*40 - 130*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
d3-NMeFOSAA	*89.3*		*40 - 135*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
d5-NEtFOSAA	*79.9*		*40 - 150*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
13C2 4:2 FTS	*90.7*		*40 - 165*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
13C2 6:2 FTS	*98.1*		*40 - 215*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
13C2 8:2 FTS	*85.3*		*40 - 275*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
13C3-HFPO-DA	*101*		*40 - 130*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
D7-NMeFOSE	*58.3*		*20 - 130*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
D9-NEtFOSE	*53.3*		*15 - 130*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
d5-NEtPFOSA	*77.1*		*10 - 130*	*06/11/25 07:33*	*06/12/25 15:07*	*1*
d3-NMePFOSA	*80.4*		*10 - 130*	*06/11/25 07:33*	*06/12/25 15:07*	*1*

Lab Sample ID: LCS 410-655870/2-A
Matrix: Solid
Analysis Batch: 656521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655870

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	4.95	4.388		ng/g		89	70 - 140
Perfluoropentanoic acid (PFPeA)	2.48	2.246		ng/g		91	60 - 150
Perfluorohexanoic acid (PFHxA)	2.48	2.204		ng/g		89	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.48	2.304		ng/g		93	65 - 145
Perfluorooctanoic acid (PFOA)	2.48	2.304		ng/g		93	70 - 150
Perfluorononanoic acid (PFNA)	2.48	2.240		ng/g		90	70 - 155
Perfluorodecanoic acid (PFDA)	2.48	2.067		ng/g		84	70 - 155

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-655870/2-A
Matrix: Solid
Analysis Batch: 656521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655870

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	2.48	2.251		ng/g		91	70 - 155
Perfluorododecanoic acid (PFDoA)	2.48	2.197		ng/g		89	70 - 150
Perfluorotridecanoic acid (PFTrDA)	2.48	2.258		ng/g		91	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.48	2.118		ng/g		86	65 - 150
Perfluorobutanesulfonic acid (PFBS)	2.20	1.934		ng/g		88	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	2.33	2.095		ng/g		90	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.26	1.950		ng/g		86	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.36	2.069		ng/g		88	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.30	2.016		ng/g		88	65 - 160
Perfluorononanesulfonic acid (PFNS)	2.38	1.968		ng/g		83	55 - 140
Perfluorododecanesulfonic acid (PFDoS)	2.40	1.678		ng/g		70	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.64	4.056		ng/g		87	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.71	4.192		ng/g		89	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.75	4.275		ng/g		90	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.48	2.485		ng/g		100	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.48	2.242		ng/g		91	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.48	2.306		ng/g		93	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.48	2.245		ng/g		91	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.48	2.309		ng/g		93	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.4	10.43		ng/g		84	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.4	10.42		ng/g		84	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.86	1.855		ng/g		100	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.34	2.115		ng/g		90	70 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.48	2.327		ng/g		94	60 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.48	2.311		ng/g		93	30 - 140
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.48	2.605		ng/g		105	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.31	2.083		ng/g		90	70 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-655870/2-A
Matrix: Solid
Analysis Batch: 656521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655870

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.34	1.783		ng/g		76	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.21	2.094		ng/g		95	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	4.95	3.835		ng/g		77	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.4	9.838		ng/g		79	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.4	9.698		ng/g		78	60 - 150
Perfluorodecanesulfonic acid (PFDS)	2.39	1.906		ng/g		80	40 - 155

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4-PFBA	*100*		*8 - 130*
13C5-PFPeA	*98.6*		*35 - 130*
13C5-PFHxA	*97.9*		*40 - 130*
13C4-PFHpA	*100*		*40 - 130*
13C8-PFOA	*91.9*		*40 - 130*
13C9-PFNA	*91.6*		*40 - 130*
13C6-PFDA	*97.3*		*40 - 130*
13C7-PFUnA	*103*		*40 - 130*
13C2 PFDoA	*91.6*		*40 - 130*
13C2-PFTeDA	*90.3*		*20 - 130*
13C3-PFBS	*95.6*		*40 - 135*
13C3-PFHxS	*95.6*		*40 - 130*
13C8-PFOS	*95.5*		*40 - 130*
13C8-PFOSA	*82.3*		*40 - 130*
d3-NMeFOSAA	*87.1*		*40 - 135*
d5-NEtFOSAA	*73.6*		*40 - 150*
13C2 4:2 FTS	*88.4*		*40 - 165*
13C2 6:2 FTS	*95.8*		*40 - 215*
13C2 8:2 FTS	*76.6*		*40 - 275*
13C3-HFPO-DA	*96.0*		*40 - 130*
D7-NMeFOSE	*47.3*		*20 - 130*
D9-NEtFOSE	*43.5*		*15 - 130*
d5-NEtPFOSA	*71.2*		*10 - 130*
d3-NMePFOSA	*76.0*		*10 - 130*

Lab Sample ID: LLCS 410-655870/3-A
Matrix: Solid
Analysis Batch: 656521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655870

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.493	0.451		ng/g		92	70 - 140
Perfluoropentanoic acid (PFPeA)	0.246	0.250		ng/g		101	60 - 150
Perfluorohexanoic acid (PFHxA)	0.246	0.239		ng/g		97	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.246	0.267		ng/g		109	65 - 145
Perfluorooctanoic acid (PFOA)	0.246	0.254		ng/g		103	70 - 150
Perfluorononanoic acid (PFNA)	0.246	0.234		ng/g		95	70 - 155

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-655870/3-A
Matrix: Solid
Analysis Batch: 656521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655870

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorodecanoic acid (PFDA)	0.246	0.224		ng/g		91	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.246	0.222		ng/g		90	70 - 155
Perfluorododecanoic acid (PFDoA)	0.246	0.218		ng/g		88	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.246	0.231		ng/g		94	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.246	0.227		ng/g		92	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.219	0.191	J	ng/g		87	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.232	0.194	J	ng/g		84	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.225	0.209		ng/g		93	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.235	0.212		ng/g		90	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.229	0.219		ng/g		96	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.237	0.201		ng/g		85	55 - 140
Perfluorododecanesulfonic acid (PFDoS)	0.239	0.166	J	ng/g		69	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.462	0.401		ng/g		87	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.469	0.413		ng/g		88	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.473	0.395		ng/g		83	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.246	0.246		ng/g		100	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.246	0.244		ng/g		99	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.246	0.232		ng/g		94	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.246	0.232		ng/g		94	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.246	0.244		ng/g		99	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.23	1.106		ng/g		90	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.23	1.183		ng/g		96	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.185	0.182	J	ng/g		99	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.233	0.226		ng/g		97	70 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.246	0.226		ng/g		92	60 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.246	0.230		ng/g		93	30 - 140
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.246	0.222		ng/g		90	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.230	0.218		ng/g		95	70 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-655870/3-A
Matrix: Solid
Analysis Batch: 656521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655870

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.233	0.200		ng/g		86	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.220	0.198	J	ng/g		90	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.493	0.360	J	ng/g		73	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.23	0.980	J	ng/g		80	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.23	1.029		ng/g		84	60 - 150
Perfluorodecanesulfonic acid (PFDS)	0.237	0.200		ng/g		84	40 - 155

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4-PFBA	*94.8*		*8 - 130*
13C5-PFPeA	*89.1*		*35 - 130*
13C5-PFHxA	*89.1*		*40 - 130*
13C4-PFHpA	*88.2*		*40 - 130*
13C8-PFOA	*85.9*		*40 - 130*
13C9-PFNA	*83.0*		*40 - 130*
13C6-PFDA	*85.3*		*40 - 130*
13C7-PFUnA	*87.5*		*40 - 130*
13C2 PFDoA	*90.1*		*40 - 130*
13C2-PFTeDA	*73.1*		*20 - 130*
13C3-PFBS	*86.8*		*40 - 135*
13C3-PFHxS	*84.5*		*40 - 130*
13C8-PFOS	*89.4*		*40 - 130*
13C8-PFOSA	*75.6*		*40 - 130*
d3-NMeFOSAA	*80.6*		*40 - 135*
d5-NEtFOSAA	*66.4*		*40 - 150*
13C2 4:2 FTS	*83.9*		*40 - 165*
13C2 6:2 FTS	*85.4*		*40 - 215*
13C2 8:2 FTS	*74.8*		*40 - 275*
13C3-HFPO-DA	*82.2*		*40 - 130*
D7-NMeFOSE	*51.9*		*20 - 130*
D9-NEtFOSE	*44.0*		*15 - 130*
d5-NEtPFOSA	*66.2*		*10 - 130*
d3-NMePFOSA	*69.6*		*10 - 130*

Lab Sample ID: 460-327747-1 MS
Matrix: Solid
Analysis Batch: 656521

Client Sample ID: SB-3 (5-7)
Prep Type: Total/NA
Prep Batch: 655870

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.40	U	5.00	4.433		ng/g	☼	89	70 - 140
Perfluoropentanoic acid (PFPeA)	0.20	U	2.50	2.248		ng/g	☼	90	60 - 150
Perfluorohexanoic acid (PFHxA)	0.20	U	2.50	2.211		ng/g	☼	88	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.20	U	2.50	2.377		ng/g	☼	95	65 - 145
Perfluorooctanoic acid (PFOA)	0.20	U	2.50	2.363		ng/g	☼	94	70 - 150
Perfluorononanoic acid (PFNA)	0.20	U	2.50	2.156		ng/g	☼	86	70 - 155

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 460-327747-1 MS
Matrix: Solid
Analysis Batch: 656521

Client Sample ID: SB-3 (5-7)
Prep Type: Total/NA
Prep Batch: 655870

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorodecanoic acid (PFDA)	0.20	U	2.50	2.117		ng/g	☼	85	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.20	U	2.50	2.304		ng/g	☼	92	70 - 155
Perfluorododecanoic acid (PFDoA)	0.20	U	2.50	2.164		ng/g	☼	87	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.20	U	2.50	2.220		ng/g	☼	89	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	2.50	2.212		ng/g	☼	88	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.20	U	2.22	1.978		ng/g	☼	89	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	2.35	2.203		ng/g	☼	94	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	2.28	2.057		ng/g	☼	90	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	2.39	2.174		ng/g	☼	91	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.20	U	2.33	2.051		ng/g	☼	88	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.20	U	2.41	1.866		ng/g	☼	78	55 - 140
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	2.43	1.433		ng/g	☼	59	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	4.69	4.061		ng/g	☼	87	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	4.76	4.073		ng/g	☼	86	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	4.80	4.435		ng/g	☼	92	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.20	U	2.50	2.487		ng/g	☼	99	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	2.50	2.466		ng/g	☼	99	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	2.50	2.360		ng/g	☼	94	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	2.50	2.310		ng/g	☼	92	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	2.50	2.324		ng/g	☼	93	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.99	U	12.5	10.63		ng/g	☼	85	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.99	U	12.5	11.20		ng/g	☼	90	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	1.88	1.699		ng/g	☼	91	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	2.37	2.242		ng/g	☼	95	70 - 160
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	2.50	2.279		ng/g	☼	91	60 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	2.50	2.213		ng/g	☼	88	30 - 140
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	2.50	2.267		ng/g	☼	91	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	2.34	1.866		ng/g	☼	80	70 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 460-327747-1 MS
Matrix: Solid
Analysis Batch: 656521

Client Sample ID: SB-3 (5-7)
Prep Type: Total/NA
Prep Batch: 655870

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	2.36	1.609		ng/g	☼	68	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	2.23	1.965		ng/g	☼	88	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	5.00	3.667		ng/g	☼	73	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.99	U	12.5	9.584		ng/g	☼	77	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.99	U	12.5	8.711		ng/g	☼	70	60 - 150
Perfluorodecanesulfonic acid (PFDS)	0.20	U	2.41	1.767		ng/g	☼	73	40 - 155

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C4-PFBA	*101*		*8 - 130*
13C5-PFPeA	*99.2*		*35 - 130*
13C5-PFHxA	*100*		*40 - 130*
13C4-PFHpA	*99.7*		*40 - 130*
13C8-PFOA	*96.7*		*40 - 130*
13C9-PFNA	*96.1*		*40 - 130*
13C6-PFDA	*85.8*		*40 - 130*
13C7-PFUnA	*88.0*		*40 - 130*
13C2 PFDoA	*81.0*		*40 - 130*
13C2-PFTeDA	*65.6*		*20 - 130*
13C3-PFBS	*94.6*		*40 - 135*
13C3-PFHxS	*91.8*		*40 - 130*
13C8-PFOS	*88.4*		*40 - 130*
13C8-PFOSA	*82.1*		*40 - 130*
d3-NMeFOSAA	*73.0*		*40 - 135*
d5-NEtFOSAA	*63.3*		*40 - 150*
13C2 4:2 FTS	*83.7*		*40 - 165*
13C2 6:2 FTS	*89.5*		*40 - 215*
13C2 8:2 FTS	*70.5*		*40 - 275*
13C3-HFPO-DA	*94.2*		*40 - 130*
D7-NMeFOSE	*43.4*		*20 - 130*
D9-NEtFOSE	*30.3*		*15 - 130*
d5-NEtPFOSA	*67.0*		*10 - 130*
d3-NMePFOSA	*72.4*		*10 - 130*

Lab Sample ID: 460-327747-1 MSD
Matrix: Solid
Analysis Batch: 656521

Client Sample ID: SB-3 (5-7)
Prep Type: Total/NA
Prep Batch: 655870

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.40	U	4.96	4.453		ng/g	☼	90	70 - 140	0	30
Perfluoropentanoic acid (PFPeA)	0.20	U	2.48	2.189		ng/g	☼	88	60 - 150	3	30
Perfluorohexanoic acid (PFHxA)	0.20	U	2.48	2.210		ng/g	☼	89	65 - 140	0	30
Perfluoroheptanoic acid (PFHpA)	0.20	U	2.48	2.376		ng/g	☼	96	65 - 145	0	30
Perfluorooctanoic acid (PFOA)	0.20	U	2.48	2.233		ng/g	☼	90	70 - 150	6	30
Perfluorononanoic acid (PFNA)	0.20	U	2.48	2.197		ng/g	☼	89	70 - 155	2	30

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 460-327747-1 MSD
Matrix: Solid
Analysis Batch: 656521

Client Sample ID: SB-3 (5-7)
Prep Type: Total/NA
Prep Batch: 655870

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorodecanoic acid (PFDA)	0.20	U	2.48	2.042		ng/g	☼	82	70 - 155	4	30
Perfluoroundecanoic acid (PFUnA)	0.20	U	2.48	2.263		ng/g	☼	91	70 - 155	2	30
Perfluorododecanoic acid (PFDoA)	0.20	U	2.48	2.109		ng/g	☼	85	70 - 150	3	30
Perfluorotridecanoic acid (PFTrDA)	0.20	U	2.48	2.298		ng/g	☼	93	65 - 150	3	30
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	2.48	2.120		ng/g	☼	86	65 - 150	4	30
Perfluorobutanesulfonic acid (PFBS)	0.20	U	2.20	1.980		ng/g	☼	90	65 - 145	0	30
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	2.33	2.343		ng/g	☼	101	55 - 160	6	30
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	2.26	2.013		ng/g	☼	89	60 - 150	2	30
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	2.36	2.401		ng/g	☼	102	65 - 155	10	30
Perfluorooctanesulfonic acid (PFOS)	0.20	U	2.30	2.118		ng/g	☼	92	65 - 160	3	30
Perfluorononanesulfonic acid (PFNS)	0.20	U	2.38	1.978		ng/g	☼	83	55 - 140	6	30
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	2.40	1.348		ng/g	☼	56	25 - 160	6	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.40	U	4.65	4.027		ng/g	☼	87	60 - 150	1	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.40	U	4.72	4.246		ng/g	☼	90	55 - 200	4	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	U	4.76	4.386		ng/g	☼	92	70 - 150	1	30
Perfluorooctanesulfonamide (PFOSA)	0.20	U	2.48	2.515		ng/g	☼	102	70 - 140	1	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	2.48	2.357		ng/g	☼	95	70 - 155	5	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	2.48	2.329		ng/g	☼	94	70 - 140	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	2.48	2.341		ng/g	☼	94	65 - 155	1	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	2.48	2.356		ng/g	☼	95	65 - 165	1	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.99	U	12.4	10.90		ng/g	☼	88	70 - 140	2	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.99	U	12.4	11.78		ng/g	☼	95	70 - 135	5	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.20	U	1.86	1.809		ng/g	☼	97	70 - 145	6	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.20	U	2.34	2.310		ng/g	☼	99	70 - 160	3	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.20	U	2.48	2.261		ng/g	☼	91	60 - 150	1	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.20	U	2.48	2.222		ng/g	☼	90	30 - 140	0	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.20	U	2.48	2.385		ng/g	☼	96	60 - 155	5	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.20	U	2.31	1.467	*	ng/g	☼	63	70 - 150	24	30

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 460-327747-1 MSD
Matrix: Solid
Analysis Batch: 656521

Client Sample ID: SB-3 (5-7)
Prep Type: Total/NA
Prep Batch: 655870

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.20	U	2.34	1.335		ng/g	☼	57	45 - 160	19	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.20	U	2.21	2.032		ng/g	☼	92	70 - 140	3	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.40	U	4.96	3.530		ng/g	☼	71	45 - 130	4	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	0.99	U	12.4	9.938		ng/g	☼	80	60 - 130	4	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	0.99	U	12.4	9.303		ng/g	☼	75	60 - 150	7	30
Perfluorodecanesulfonic acid (PFDS)	0.20	U	2.39	1.899		ng/g	☼	80	40 - 155	7	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C4-PFBA	*88.1*		*8 - 130*
13C5-PFPeA	*88.5*		*35 - 130*
13C5-PFHxA	*87.8*		*40 - 130*
13C4-PFHpA	*87.7*		*40 - 130*
13C8-PFOA	*87.2*		*40 - 130*
13C9-PFNA	*80.3*		*40 - 130*
13C6-PFDA	*76.3*		*40 - 130*
13C7-PFUnA	*71.4*		*40 - 130*
13C2 PFDoA	*62.5*		*40 - 130*
13C2-PFTeDA	*46.3*		*20 - 130*
13C3-PFBS	*82.7*		*40 - 135*
13C3-PFHxS	*72.6*		*40 - 130*
13C8-PFOS	*59.8*		*40 - 130*
13C8-PFOSA	*72.5*		*40 - 130*
d3-NMeFOSAA	*65.3*		*40 - 135*
d5-NEtFOSAA	*51.5*		*40 - 150*
13C2 4:2 FTS	*79.2*		*40 - 165*
13C2 6:2 FTS	*78.2*		*40 - 215*
13C2 8:2 FTS	*64.0*		*40 - 275*
13C3-HFPO-DA	*82.7*		*40 - 130*
D7-NMeFOSE	*28.9*		*20 - 130*
D9-NEtFOSE	*17.5*		*15 - 130*
d5-NEtPFOSA	*57.4*		*10 - 130*
d3-NMePFOSA	*64.7*		*10 - 130*

QC Association Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327747-1

LCMS

Prep Batch: 655870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327747-1	SB-3 (5-7)	Total/NA	Solid	1633A Shake	
MB 410-655870/1-A	Method Blank	Total/NA	Solid	1633A Shake	
LCS 410-655870/2-A	Lab Control Sample	Total/NA	Solid	1633A Shake	
LLCS 410-655870/3-A	Lab Control Sample	Total/NA	Solid	1633A Shake	
460-327747-1 MS	SB-3 (5-7)	Total/NA	Solid	1633A Shake	
460-327747-1 MSD	SB-3 (5-7)	Total/NA	Solid	1633A Shake	

Analysis Batch: 656521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327747-1	SB-3 (5-7)	Total/NA	Solid	1633A	655870
MB 410-655870/1-A	Method Blank	Total/NA	Solid	1633A	655870
LCS 410-655870/2-A	Lab Control Sample	Total/NA	Solid	1633A	655870
LLCS 410-655870/3-A	Lab Control Sample	Total/NA	Solid	1633A	655870
460-327747-1 MS	SB-3 (5-7)	Total/NA	Solid	1633A	655870
460-327747-1 MSD	SB-3 (5-7)	Total/NA	Solid	1633A	655870

General Chemistry

Analysis Batch: 655236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327747-1	SB-3 (5-7)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327747-1

Client Sample ID: SB-3 (5-7)

Lab Sample ID: 460-327747-1
Date Collected: 06/05/25 10:40
Matrix: Solid
Date Received: 06/05/25 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	655236	S9WT	ELLE	06/10/25 06:40

Client Sample ID: SB-3 (5-7)

Lab Sample ID: 460-327747-1
Date Collected: 06/05/25 10:40
Matrix: Solid
Date Received: 06/05/25 20:00
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A Shake			655870	X3LR	ELLE	06/11/25 07:33
Total/NA	Analysis	1633A		1	656521	P7EB	ELLE	06/12/25 17:23

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327747-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	12-30-26
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-26
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-26
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-25
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-26
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-26
Washington	State	C457	04-11-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327747-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

Method Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327747-1

Method	Method Description	Protocol	Laboratory
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
Moisture	Percent Moisture	EPA	ELLE
1633A Shake	Shake Extraction with SPE	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327747-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-327747-1	SB-3 (5-7)	Solid	06/05/25 10:40	06/05/25 20:00

Chain of Custody Record 761387

eurofins | Environment Testi

Address _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: William J. Fitchett	Site Contact: W. Fitchett	Date: 6/5/25	COC No:
Company Name: GEI Consultants	Tel/Email: wfitchett@geiconsultants.com	Lab Contact: K. Drouix	Carrier: Courier	1 of 1 COCs
Address: 1000 New York Ave, Ste B	Analysis Turnaround Time			Sampler: W Fitchett
City/State/Zip: Huntington Station NY 11746	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only
Phone: 631-968-9300	TAT if different from Below _____			Walk-in Client:
Fax:	☑ 2 weeks			Lab Sampling
Project Name: 28-12 41st Ave	☐ 1 week Standard			Job / SDG No: 327947
Site: 28-12 41st Ave, Queens, NY	☐ 2 days			
PO#: 2502607	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PFAS 1633A	Sample Specific Notes.
SB-3 (5-7)	6/5/25	1040	G	S	2			X	-1

460-327747 Chain of Custody

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other _____

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

IATA

Special Instructions/QC Requirements & Comments

Please include Nick Recchia on results nrecchia@geiconsultants.com 2.0 2.4 °C

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp. (°C) Obs'd. 2 Corr'd _____ Therm ID No. _____			
Relinquished by: WJF	Company: GEI	Date/Time	Received by:	Company:	Date/Time: 6/5/25
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: EPA	Date/Time: 6/5 2000

6/12/2025

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Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 327947

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.0 °C	2.4 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below

Sample No(s). adjusted. _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s) _____ Expiration Date _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials _____ Date: 6/6/25

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Connelly, Katelyn M	Carrier Tracking No(s): N/A	COC No: 460-74411.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Katelyn.Connelly@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New York		Job #: 460-327747-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/19/2025			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 28-12 41st Avenue	Project #: 46046836			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Moisture/ Percent Moisture	1633A/1633A_Shake List of 40 based on EPA method	Total Number of Containers	Special Instructions/Note:
			Preservation Code:							
SB-3 (5-7) (460-327747-1)	6/5/25	10:40 Eastern	G	Solid			X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6/6/25 1910			6/6/25 1915	
2		6/6/25 2253				
3					6/6/25 2253	

Custody Seals Intact: ∧ Yes ∧ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: R: 3.6 C: 3.5 R: 0.5 C: 0.4

Login Sample Receipt Checklist

Client: GEI Consultants Inc

Job Number: 460-327747-1

Login Number: 327747
List Number: 1
Creator: Lysy, Susan

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: GEI Consultants Inc

Job Number: 460-327747-1

Login Number: 327747
List Number: 2
Creator: Bryan, Debra A

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 06/06/25 11:25 AM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Appendix D

Laboratory Data Deliverables for Groundwater Analytical Data

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ANALYTICAL REPORT

PREPARED FOR

Attn: William Fitchett
GEI Consultants Inc
1000 New York Avenue
Huntington Station, New York 11746

Generated 6/17/2025 1:37:24 PM

JOB DESCRIPTION

28-12 41st Avenue

JOB NUMBER

460-327908-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization



Generated
6/17/2025 1:37:24 PM

Authorized for release by
Katelyn Connelly, Project Manager I
Katelyn.Connelly@et.eurofinsus.com
(732)549-3900

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Job Narrative
460-327908-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/6/2025 8:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples TW-1 (460-327908-1), TW-2 (460-327908-2), TW-3 (460-327908-3) and TB060625 (460-327908-4) were analyzed for Volatile Organic Compounds by GC/MS. The samples were analyzed on 6/13/2025.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples TW-1 (460-327908-1), TW-2 (460-327908-2) and TW-3 (460-327908-3) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 6/11/2025 and analyzed on 6/12/2025.

The continuing calibration verification (CCV) associated with batch 460-1043015 recovered above the upper control limit for Benzo[g,h,i]perylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-1043015 was outside the method criteria for the following analyte(s): 3-Nitroaniline, 4-Nitroaniline and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-1042793 and analytical batch 460-1043015 recovered outside control limits for the following analytes: Atrazine and Benzaldehyde. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)
Samples TW-1 (460-327908-1), TW-2 (460-327908-2) and TW-3 (460-327908-3) were analyzed for Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution). The samples were prepared on 6/11/2025 and analyzed on 6/12/2025.

Method 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Samples TW-1 (460-327908-1), TW-2 (460-327908-2) and TW-3 (460-327908-3) were analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The samples were prepared on 6/11/2025 and analyzed on 6/12/2025.

Method 8081B - Organochlorine Pesticides (GC)
Samples TW-1 (460-327908-1), TW-2 (460-327908-2) and TW-3 (460-327908-3) were analyzed for Organochlorine Pesticides (GC). The samples were prepared on 6/11/2025 and analyzed on 6/12/2025.

Method 6020B - Metals (ICP/MS) - Dissolved
Samples TW-1 (460-327908-1), TW-2 (460-327908-2) and TW-3 (460-327908-3) were analyzed for Metals (ICP/MS) - Dissolved. The samples were prepared on 6/11/2025 and analyzed on 6/12/2025.

The following samples were not filtered and preserved within 15 minutes of sample collection in accordance with 40 CFR Part 136 Table II, Footnote 7, method 6020B. The samples were filtered prior to analysis at the laboratory. TW-1 (460-327908-1), TW-2 (460-327908-2) and TW-3 (460-327908-3)

Method 6020B - Metals (ICP/MS) - Total Recoverable
Samples TW-1 (460-327908-1), TW-2 (460-327908-2) and TW-3 (460-327908-3) were analyzed for Metals (ICP/MS) - Total Recoverable. The samples were prepared on 6/11/2025 and analyzed on 6/12/2025 and 6/13/2025.

Samples TW-2 (460-327908-2)[5x] and TW-3 (460-327908-3)[5x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Due to the matrix, the initial volume used for the following sample deviated from the standard procedure: TW-2 (460-327908-2) and TW-3 (460-327908-3). The reporting limits (RLs) have been adjusted proportionately.

The method blank for preparation batch 460-1042754 and analytical batch 460-1043466 contained selenium above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-extraction and re-analysis of samples was not performed.

The method blank for preparation batch 460-1042754 and analytical batch 460-1042838 contained selenium above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-extraction and re-analysis of samples was not performed.

Method 7470A - Mercury (CVAA)
Samples TW-1 (460-327908-1), TW-2 (460-327908-2) and TW-3 (460-327908-3) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 6/16/2025.

Due to the matrix, the initial volume used for the following samples deviated from the standard procedure: TW-1 (460-327908-1), TW-2 (460-327908-2) and TW-3 (460-327908-3). The reporting limits (RLs) have been adjusted proportionately.

Method 7470A - Mercury (CVAA) - Dissolved
Samples TW-1 (460-327908-1), TW-2 (460-327908-2) and TW-3 (460-327908-3) were analyzed for Mercury (CVAA) - Dissolved. The samples were prepared and analyzed on 6/12/2025.

The following samples were not filtered and preserved within 15 minutes of sample collection in accordance with 40 CFR Part 136 Table II, Footnote 7, method 7470A. The samples were filtered prior to analysis at the laboratory. TW-1 (460-327908-1), TW-2 (460-327908-2) and TW-3 (460-327908-3)

Detection Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327908-1

Client Sample ID: TW-1 — Lab Sample ID: 460-327908-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.5		5.0	4.4	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.8		0.40	0.28	ug/L	1		8260D	Total/NA
Bis(2-ethylhexyl) phthalate	1.3	J	2.0	0.80	ug/L	1		8270E	Total/NA
Diethyl phthalate	3.2	J	10	0.98	ug/L	1		8270E	Total/NA
Aluminum	8210		40.0	11.7	ug/L	1		6020B	Total Recoverable
Arsenic	2.5		2.0	1.2	ug/L	1		6020B	Total Recoverable
Barium	624		4.0	0.93	ug/L	1		6020B	Total Recoverable
Beryllium	0.77	J	0.80	0.12	ug/L	1		6020B	Total Recoverable
Cadmium	1.1		0.92	0.26	ug/L	1		6020B	Total Recoverable
Calcium	477000		500	31.7	ug/L	1		6020B	Total Recoverable
Chromium	23.0		4.0	1.7	ug/L	1		6020B	Total Recoverable
Cobalt	34.4		2.0	0.18	ug/L	1		6020B	Total Recoverable
Copper	44.2		4.0	2.0	ug/L	1		6020B	Total Recoverable
Iron	12400		120	33.7	ug/L	1		6020B	Total Recoverable
Lead	37.1		1.2	0.42	ug/L	1		6020B	Total Recoverable
Magnesium	54900		200	21.8	ug/L	1		6020B	Total Recoverable
Manganese	4750		8.0	0.84	ug/L	1		6020B	Total Recoverable
Nickel	37.0		4.0	1.4	ug/L	1		6020B	Total Recoverable
Potassium	10600		200	114	ug/L	1		6020B	Total Recoverable
Selenium	3.3	B	2.5	0.43	ug/L	1		6020B	Total Recoverable
Sodium	51900		500	180	ug/L	1		6020B	Total Recoverable
Vanadium	16.0		4.0	1.0	ug/L	1		6020B	Total Recoverable
Zinc	125		16.0	4.2	ug/L	1		6020B	Total Recoverable
Barium	51.3		4.0	0.93	ug/L	1		6020B	Dissolved
Calcium	47900		500	31.7	ug/L	1		6020B	Dissolved
Chromium	8.1		4.0	1.7	ug/L	1		6020B	Dissolved
Magnesium	19700		200	21.8	ug/L	1		6020B	Dissolved
Potassium	5740		200	114	ug/L	1		6020B	Dissolved
Selenium	2.9		2.5	0.43	ug/L	1		6020B	Dissolved
Sodium	51800		500	180	ug/L	1		6020B	Dissolved

Client Sample ID: TW-2 — Lab Sample ID: 460-327908-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.2		5.0	4.4	ug/L	1		8260D	Total/NA
Tetrachloroethene	2.1		0.40	0.28	ug/L	1		8260D	Total/NA
Di-n-butyl phthalate	1.3	J	10	0.84	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample ID: TW-2 (Continued)

Lab Sample ID: 460-327908-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	474000		80.0	23.4	ug/L	1		6020B	Total Recoverable
Antimony	1.8	J	4.0	0.95	ug/L	1		6020B	Total Recoverable
Arsenic	133		4.0	2.3	ug/L	1		6020B	Total Recoverable
Barium	4410		8.0	1.9	ug/L	1		6020B	Total Recoverable
Beryllium	20.9		1.6	0.25	ug/L	1		6020B	Total Recoverable
Cadmium	9.1		1.8	0.52	ug/L	1		6020B	Total Recoverable
Calcium	1630000		1000	63.4	ug/L	1		6020B	Total Recoverable
Chromium	1090		8.0	3.3	ug/L	1		6020B	Total Recoverable
Cobalt	651		4.0	0.35	ug/L	1		6020B	Total Recoverable
Copper	1970		8.0	3.9	ug/L	1		6020B	Total Recoverable
Iron	986000		240	67.4	ug/L	1		6020B	Total Recoverable
Lead	1740		2.4	0.83	ug/L	1		6020B	Total Recoverable
Magnesium	586000		400	43.6	ug/L	1		6020B	Total Recoverable
Manganese	27400		16.0	1.7	ug/L	1		6020B	Total Recoverable
Nickel	1300		8.0	2.8	ug/L	1		6020B	Total Recoverable
Potassium	100000		400	228	ug/L	1		6020B	Total Recoverable
Selenium	8.5	B	5.0	0.86	ug/L	1		6020B	Total Recoverable
Silver	2.6	J	4.0	2.6	ug/L	1		6020B	Total Recoverable
Sodium	28200		1000	360	ug/L	1		6020B	Total Recoverable
Thallium	7.3		1.0	0.33	ug/L	1		6020B	Total Recoverable
Vanadium	1080		8.0	2.0	ug/L	1		6020B	Total Recoverable
Zinc	3610		32.0	8.4	ug/L	1		6020B	Total Recoverable
Barium	28.3		4.0	0.93	ug/L	1		6020B	Dissolved
Calcium	41900		500	31.7	ug/L	1		6020B	Dissolved
Chromium	8.6		4.0	1.7	ug/L	1		6020B	Dissolved
Cobalt	0.30	J	2.0	0.18	ug/L	1		6020B	Dissolved
Copper	3.5	J	4.0	2.0	ug/L	1		6020B	Dissolved
Magnesium	12000		200	21.8	ug/L	1		6020B	Dissolved
Potassium	4090		200	114	ug/L	1		6020B	Dissolved
Selenium	3.5		2.5	0.43	ug/L	1		6020B	Dissolved
Sodium	15400		500	180	ug/L	1		6020B	Dissolved
Mercury	0.93		0.60	0.27	ug/L	1		7470A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327908-1

Client Sample ID: TW-3

Lab Sample ID: 460-327908-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.0		0.40	0.28	ug/L	1		8260D	Total/NA
Benzo[a]pyrene	0.59	J	1.0	0.41	ug/L	1		8270E	Total/NA
Bis(2-ethylhexyl) phthalate	1.5	J	2.0	0.80	ug/L	1		8270E	Total/NA
Aluminum	359000		80.0	23.4	ug/L	1		6020B	Total Recoverable
Antimony	1.1	J	4.0	0.95	ug/L	1		6020B	Total Recoverable
Arsenic	75.8		4.0	2.3	ug/L	1		6020B	Total Recoverable
Barium	3060		8.0	1.9	ug/L	1		6020B	Total Recoverable
Beryllium	17.3		1.6	0.25	ug/L	1		6020B	Total Recoverable
Cadmium	6.4		1.8	0.52	ug/L	1		6020B	Total Recoverable
Calcium	1300000		1000	63.4	ug/L	1		6020B	Total Recoverable
Chromium	969		8.0	3.3	ug/L	1		6020B	Total Recoverable
Cobalt	451		4.0	0.35	ug/L	1		6020B	Total Recoverable
Copper	1500		8.0	3.9	ug/L	1		6020B	Total Recoverable
Iron	781000		240	67.4	ug/L	1		6020B	Total Recoverable
Lead	895		2.4	0.83	ug/L	1		6020B	Total Recoverable
Magnesium	444000		400	43.6	ug/L	1		6020B	Total Recoverable
Manganese	25500		16.0	1.7	ug/L	1		6020B	Total Recoverable
Nickel	982		8.0	2.8	ug/L	1		6020B	Total Recoverable
Potassium	95300		400	228	ug/L	1		6020B	Total Recoverable
Selenium	2.9	J B	5.0	0.86	ug/L	1		6020B	Total Recoverable
Sodium	19300		1000	360	ug/L	1		6020B	Total Recoverable
Thallium	2.5		1.0	0.33	ug/L	1		6020B	Total Recoverable
Vanadium	924		8.0	2.0	ug/L	1		6020B	Total Recoverable
Zinc	2450		32.0	8.4	ug/L	1		6020B	Total Recoverable
Arsenic	2.1		2.0	1.2	ug/L	1		6020B	Dissolved
Barium	9.1		4.0	0.93	ug/L	1		6020B	Dissolved
Calcium	24600		500	31.7	ug/L	1		6020B	Dissolved
Chromium	11.9		4.0	1.7	ug/L	1		6020B	Dissolved
Cobalt	0.20	J	2.0	0.18	ug/L	1		6020B	Dissolved
Copper	3.9	J	4.0	2.0	ug/L	1		6020B	Dissolved
Magnesium	6810		200	21.8	ug/L	1		6020B	Dissolved
Manganese	1.2	J	8.0	0.84	ug/L	1		6020B	Dissolved
Potassium	2600		200	114	ug/L	1		6020B	Dissolved
Selenium	0.89	J	2.5	0.43	ug/L	1		6020B	Dissolved
Sodium	5210		500	180	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample ID: TW-3 (Continued)

Lab Sample ID: 460-327908-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	3.4	J	4.0	1.0	ug/L	1		6020B	Dissolved
Mercury	0.46	J	0.60	0.27	ug/L	1		7470A	Total/NA

Client Sample ID: TB060625

Lab Sample ID: 460-327908-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327908-1

Client Sample ID: TW-1
Date Collected: 06/06/25 08:25
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327908-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/13/25 15:47	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			06/13/25 15:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/13/25 15:47	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			06/13/25 15:47	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/13/25 15:47	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/13/25 15:47	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			06/13/25 15:47	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/13/25 15:47	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/13/25 15:47	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			06/13/25 15:47	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			06/13/25 15:47	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			06/13/25 15:47	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/13/25 15:47	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/13/25 15:47	1
2-Butanone (MEK)	5.0	U	5.0	3.9	ug/L			06/13/25 15:47	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/13/25 15:47	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/13/25 15:47	1
Acetone	**5.5**		5.0	4.4	ug/L			06/13/25 15:47	1
Benzene	0.45	U	0.45	0.070	ug/L			06/13/25 15:47	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/13/25 15:47	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/13/25 15:47	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/13/25 15:47	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/13/25 15:47	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/13/25 15:47	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			06/13/25 15:47	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			06/13/25 15:47	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/13/25 15:47	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/13/25 15:47	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/13/25 15:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.48	ug/L			06/13/25 15:47	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			06/13/25 15:47	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/13/25 15:47	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			06/13/25 15:47	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/13/25 15:47	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/13/25 15:47	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/13/25 15:47	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/13/25 15:47	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/13/25 15:47	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			06/13/25 15:47	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			06/13/25 15:47	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			06/13/25 15:47	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/13/25 15:47	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/13/25 15:47	1
Styrene	1.0	U	1.0	0.42	ug/L			06/13/25 15:47	1
Tetrachloroethene	**1.8**		0.40	0.28	ug/L			06/13/25 15:47	1
Toluene	1.0	U	1.0	0.38	ug/L			06/13/25 15:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/13/25 15:47	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			06/13/25 15:47	1
Trichloroethene	0.28	U	0.28	0.074	ug/L			06/13/25 15:47	1

Client Sample ID: TW-1
Date Collected: 06/06/25 08:25
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327908-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/13/25 15:47	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			06/13/25 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 128*		*06/13/25 15:47*	*1*
4-Bromofluorobenzene	*100*		*76 - 120*		*06/13/25 15:47*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 132*		*06/13/25 15:47*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/13/25 15:47*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		06/11/25 08:51	06/12/25 06:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*72*		*10 - 150*	*06/11/25 08:51*	*06/12/25 06:04*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	5.0	U	5.0	1.2	ug/L		06/11/25 09:54	06/12/25 09:47	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		06/11/25 09:54	06/12/25 09:47	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		06/11/25 09:54	06/12/25 09:47	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		06/11/25 09:54	06/12/25 09:47	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		06/11/25 09:54	06/12/25 09:47	1
2,4,6-Trichlorophenol	3.0	U	3.0	0.86	ug/L		06/11/25 09:54	06/12/25 09:47	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		06/11/25 09:54	06/12/25 09:47	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		06/11/25 09:54	06/12/25 09:47	1
2,4-Dinitrophenol	40	U	40	11	ug/L		06/11/25 09:54	06/12/25 09:47	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		06/11/25 09:54	06/12/25 09:47	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		06/11/25 09:54	06/12/25 09:47	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		06/11/25 09:54	06/12/25 09:47	1
2-Chlorophenol	10	U	10	0.95	ug/L		06/11/25 09:54	06/12/25 09:47	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		06/11/25 09:54	06/12/25 09:47	1
2-Methylphenol	10	U	10	0.67	ug/L		06/11/25 09:54	06/12/25 09:47	1
2-Nitroaniline	10	U	10	1.2	ug/L		06/11/25 09:54	06/12/25 09:47	1
2-Nitrophenol	10	U	10	0.75	ug/L		06/11/25 09:54	06/12/25 09:47	1
3,3'-Dichlorobenzidine	5.2	U	5.2	1.4	ug/L		06/11/25 09:54	06/12/25 09:47	1
3-Nitroaniline	10	U	10	1.9	ug/L		06/11/25 09:54	06/12/25 09:47	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		06/11/25 09:54	06/12/25 09:47	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		06/11/25 09:54	06/12/25 09:47	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		06/11/25 09:54	06/12/25 09:47	1
4-Chloroaniline	5.0	U	5.0	1.9	ug/L		06/11/25 09:54	06/12/25 09:47	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		06/11/25 09:54	06/12/25 09:47	1
4-Methylphenol	10	U	10	0.65	ug/L		06/11/25 09:54	06/12/25 09:47	1
4-Nitroaniline	10	U	10	1.2	ug/L		06/11/25 09:54	06/12/25 09:47	1
4-Nitrophenol	20	U	20	4.0	ug/L		06/11/25 09:54	06/12/25 09:47	1
Acenaphthene	10	U	10	1.1	ug/L		06/11/25 09:54	06/12/25 09:47	1
Acenaphthylene	10	U	10	0.82	ug/L		06/11/25 09:54	06/12/25 09:47	1
Acetophenone	10	U	10	2.3	ug/L		06/11/25 09:54	06/12/25 09:47	1
Anthracene	10	U	10	1.3	ug/L		06/11/25 09:54	06/12/25 09:47	1
Atrazine	2.0	U *	2.0	1.3	ug/L		06/11/25 09:54	06/12/25 09:47	1
Benzaldehyde	10	U *	10	2.1	ug/L		06/11/25 09:54	06/12/25 09:47	1

Client Sample ID: TW-1
Date Collected: 06/06/25 08:25
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327908-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		06/11/25 09:54	06/12/25 09:47	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		06/11/25 09:54	06/12/25 09:47	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		06/11/25 09:54	06/12/25 09:47	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		06/11/25 09:54	06/12/25 09:47	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		06/11/25 09:54	06/12/25 09:47	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		06/11/25 09:54	06/12/25 09:47	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		06/11/25 09:54	06/12/25 09:47	1
Bis(2-ethylhexyl) phthalate	**1.3**	**J**	2.0	0.80	ug/L		06/11/25 09:54	06/12/25 09:47	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		06/11/25 09:54	06/12/25 09:47	1
Caprolactam	10	U	10	2.2	ug/L		06/11/25 09:54	06/12/25 09:47	1
Carbazole	10	U	10	0.68	ug/L		06/11/25 09:54	06/12/25 09:47	1
Chrysene	2.0	U	2.0	0.91	ug/L		06/11/25 09:54	06/12/25 09:47	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		06/11/25 09:54	06/12/25 09:47	1
Dibenzofuran	10	U	10	1.1	ug/L		06/11/25 09:54	06/12/25 09:47	1
Diethyl phthalate	**3.2**	**J**	10	0.98	ug/L		06/11/25 09:54	06/12/25 09:47	1
Dimethyl phthalate	10	U	10	0.77	ug/L		06/11/25 09:54	06/12/25 09:47	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		06/11/25 09:54	06/12/25 09:47	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		06/11/25 09:54	06/12/25 09:47	1
Fluoranthene	10	U	10	0.84	ug/L		06/11/25 09:54	06/12/25 09:47	1
Fluorene	10	U	10	0.91	ug/L		06/11/25 09:54	06/12/25 09:47	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		06/11/25 09:54	06/12/25 09:47	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		06/11/25 09:54	06/12/25 09:47	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		06/11/25 09:54	06/12/25 09:47	1
Hexachloroethane	0.80	U	0.80	0.31	ug/L		06/11/25 09:54	06/12/25 09:47	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		06/11/25 09:54	06/12/25 09:47	1
Isophorone	10	U	10	0.80	ug/L		06/11/25 09:54	06/12/25 09:47	1
Naphthalene	2.0	U	2.0	0.54	ug/L		06/11/25 09:54	06/12/25 09:47	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		06/11/25 09:54	06/12/25 09:47	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		06/11/25 09:54	06/12/25 09:47	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		06/11/25 09:54	06/12/25 09:47	1
Pentachlorophenol	20	U	20	6.6	ug/L		06/11/25 09:54	06/12/25 09:47	1
Phenanthrene	10	U	10	1.3	ug/L		06/11/25 09:54	06/12/25 09:47	1
Phenol	10	U	10	0.29	ug/L		06/11/25 09:54	06/12/25 09:47	1
Pyrene	10	U	10	1.6	ug/L		06/11/25 09:54	06/12/25 09:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*24 - 150*	*06/11/25 09:54*	*06/12/25 09:47*	*1*
2-Fluorobiphenyl	*98*		*38 - 139*	*06/11/25 09:54*	*06/12/25 09:47*	*1*
2-Fluorophenol (Surr)	*51*		*10 - 90*	*06/11/25 09:54*	*06/12/25 09:47*	*1*
Nitrobenzene-d5 (Surr)	*101*		*39 - 145*	*06/11/25 09:54*	*06/12/25 09:47*	*1*
Phenol-d5 (Surr)	*32*		*10 - 68*	*06/11/25 09:54*	*06/12/25 09:47*	*1*
Terphenyl-d14 (Surr)	*75*		*10 - 133*	*06/11/25 09:54*	*06/12/25 09:47*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		06/11/25 21:19	06/12/25 05:25	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		06/11/25 21:19	06/12/25 05:25	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:25	1
Aldrin	0.020	U	0.020	0.0030	ug/L		06/11/25 21:19	06/12/25 05:25	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		06/11/25 21:19	06/12/25 05:25	1

Client Sample ID: TW-1

Date Collected: 06/06/25 08:25
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327908-1

Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	0.020	U	0.020	0.015	ug/L		06/11/25 21:19	06/12/25 05:25	1
Chlordane (technical)	0.20	U	0.20	0.055	ug/L		06/11/25 21:19	06/12/25 05:25	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		06/11/25 21:19	06/12/25 05:25	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		06/11/25 21:19	06/12/25 05:25	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		06/11/25 21:19	06/12/25 05:25	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:25	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		06/11/25 21:19	06/12/25 05:25	1
Endrin	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:25	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		06/11/25 21:19	06/12/25 05:25	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		06/11/25 21:19	06/12/25 05:25	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		06/11/25 21:19	06/12/25 05:25	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		06/11/25 21:19	06/12/25 05:25	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		06/11/25 21:19	06/12/25 05:25	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:25	1
Toxaphene	0.50	U	0.50	0.11	ug/L		06/11/25 21:19	06/12/25 05:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*10 - 131*	*06/11/25 21:19*	*06/12/25 05:25*	*1*
DCB Decachlorobiphenyl	*65*		*10 - 131*	*06/11/25 21:19*	*06/12/25 05:25*	*1*
Tetrachloro-m-xylene	*61*		*31 - 120*	*06/11/25 21:19*	*06/12/25 05:25*	*1*
Tetrachloro-m-xylene	*62*		*31 - 120*	*06/11/25 21:19*	*06/12/25 05:25*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 09:02	1
Aroclor 1221	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 09:02	1
Aroclor 1232	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 09:02	1
Aroclor 1242	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 09:02	1
Aroclor 1248	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 09:02	1
Aroclor 1254	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 09:02	1
Aroclor 1260	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 09:02	1
Aroclor-1262	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 09:02	1
Aroclor 1268	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 09:02	1
Polychlorinated biphenyls, Total	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 09:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*10 - 127*	*06/11/25 21:13*	*06/12/25 09:02*	*1*
DCB Decachlorobiphenyl	*81*		*10 - 127*	*06/11/25 21:13*	*06/12/25 09:02*	*1*
Tetrachloro-m-xylene	*64*		*21 - 139*	*06/11/25 21:13*	*06/12/25 09:02*	*1*
Tetrachloro-m-xylene	*75*		*21 - 139*	*06/11/25 21:13*	*06/12/25 09:02*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8210**		40.0	11.7	ug/L		06/11/25 08:34	06/12/25 03:47	1
Antimony	2.0	U	2.0	0.48	ug/L		06/11/25 08:34	06/12/25 03:47	1
Arsenic	**2.5**		2.0	1.2	ug/L		06/11/25 08:34	06/12/25 03:47	1
Barium	**624**		4.0	0.93	ug/L		06/11/25 08:34	06/12/25 03:47	1
Beryllium	**0.77**	**J**	0.80	0.12	ug/L		06/11/25 08:34	06/12/25 03:47	1
Cadmium	**1.1**		0.92	0.26	ug/L		06/11/25 08:34	06/12/25 03:47	1
Calcium	**477000**		500	31.7	ug/L		06/11/25 08:34	06/12/25 03:47	1

Client Sample ID: TW-1
Date Collected: 06/06/25 08:25
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327908-1
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**23.0**		4.0	1.7	ug/L		06/11/25 08:34	06/12/25 03:47	1
Cobalt	**34.4**		2.0	0.18	ug/L		06/11/25 08:34	06/12/25 03:47	1
Copper	**44.2**		4.0	2.0	ug/L		06/11/25 08:34	06/13/25 21:39	1
Iron	**12400**		120	33.7	ug/L		06/11/25 08:34	06/12/25 03:47	1
Lead	**37.1**		1.2	0.42	ug/L		06/11/25 08:34	06/12/25 03:47	1
Magnesium	**54900**		200	21.8	ug/L		06/11/25 08:34	06/12/25 03:47	1
Manganese	**4750**		8.0	0.84	ug/L		06/11/25 08:34	06/12/25 03:47	1
Nickel	**37.0**		4.0	1.4	ug/L		06/11/25 08:34	06/12/25 03:47	1
Potassium	**10600**		200	114	ug/L		06/11/25 08:34	06/12/25 03:47	1
Selenium	**3.3**	**B**	2.5	0.43	ug/L		06/11/25 08:34	06/12/25 03:47	1
Silver	2.0	U	2.0	1.3	ug/L		06/11/25 08:34	06/12/25 03:47	1
Sodium	**51900**		500	180	ug/L		06/11/25 08:34	06/12/25 03:47	1
Thallium	0.50	U	0.50	0.16	ug/L		06/11/25 08:34	06/12/25 03:47	1
Vanadium	**16.0**		4.0	1.0	ug/L		06/11/25 08:34	06/12/25 03:47	1
Zinc	**125**		16.0	4.2	ug/L		06/11/25 08:34	06/12/25 03:47	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		06/11/25 23:14	06/12/25 01:41	1
Antimony	2.0	U	2.0	0.48	ug/L		06/11/25 23:14	06/12/25 01:41	1
Arsenic	2.0	U	2.0	1.2	ug/L		06/11/25 23:14	06/12/25 01:41	1
Barium	**51.3**		4.0	0.93	ug/L		06/11/25 23:14	06/12/25 01:41	1
Beryllium	0.80	U	0.80	0.12	ug/L		06/11/25 23:14	06/12/25 01:41	1
Cadmium	0.92	U	0.92	0.26	ug/L		06/11/25 23:14	06/12/25 01:41	1
Calcium	**47900**		500	31.7	ug/L		06/11/25 23:14	06/12/25 01:41	1
Chromium	**8.1**		4.0	1.7	ug/L		06/11/25 23:14	06/12/25 01:41	1
Cobalt	2.0	U	2.0	0.18	ug/L		06/11/25 23:14	06/12/25 01:41	1
Copper	4.0	U	4.0	2.0	ug/L		06/11/25 23:14	06/12/25 01:41	1
Iron	120	U	120	33.7	ug/L		06/11/25 23:14	06/12/25 01:41	1
Lead	1.2	U	1.2	0.42	ug/L		06/11/25 23:14	06/12/25 01:41	1
Magnesium	**19700**		200	21.8	ug/L		06/11/25 23:14	06/12/25 01:41	1
Manganese	8.0	U	8.0	0.84	ug/L		06/11/25 23:14	06/12/25 01:41	1
Nickel	4.0	U	4.0	1.4	ug/L		06/11/25 23:14	06/12/25 01:41	1
Potassium	**5740**		200	114	ug/L		06/11/25 23:14	06/12/25 01:41	1
Selenium	**2.9**		2.5	0.43	ug/L		06/11/25 23:14	06/12/25 01:41	1
Silver	2.0	U	2.0	1.3	ug/L		06/11/25 23:14	06/12/25 01:41	1
Sodium	**51800**		500	180	ug/L		06/11/25 23:14	06/12/25 01:41	1
Thallium	0.50	U	0.50	0.16	ug/L		06/11/25 23:14	06/12/25 01:41	1
Vanadium	4.0	U	4.0	1.0	ug/L		06/11/25 23:14	06/12/25 01:41	1
Zinc	16.0	U	16.0	4.2	ug/L		06/11/25 23:14	06/12/25 01:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.60	U	0.60	0.27	ug/L		06/16/25 10:28	06/16/25 17:14	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		06/12/25 11:36	06/12/25 18:55	1

Client Sample ID: TW-2
Date Collected: 06/06/25 11:40
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327908-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/13/25 16:15	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			06/13/25 16:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/13/25 16:15	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			06/13/25 16:15	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/13/25 16:15	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/13/25 16:15	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			06/13/25 16:15	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/13/25 16:15	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/13/25 16:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			06/13/25 16:15	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			06/13/25 16:15	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			06/13/25 16:15	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/13/25 16:15	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/13/25 16:15	1
2-Butanone (MEK)	5.0	U	5.0	3.9	ug/L			06/13/25 16:15	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/13/25 16:15	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/13/25 16:15	1
Acetone	**5.2**		5.0	4.4	ug/L			06/13/25 16:15	1
Benzene	0.45	U	0.45	0.070	ug/L			06/13/25 16:15	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/13/25 16:15	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/13/25 16:15	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/13/25 16:15	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/13/25 16:15	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/13/25 16:15	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			06/13/25 16:15	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			06/13/25 16:15	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/13/25 16:15	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/13/25 16:15	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/13/25 16:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.48	ug/L			06/13/25 16:15	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			06/13/25 16:15	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/13/25 16:15	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			06/13/25 16:15	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/13/25 16:15	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/13/25 16:15	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/13/25 16:15	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/13/25 16:15	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/13/25 16:15	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			06/13/25 16:15	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			06/13/25 16:15	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			06/13/25 16:15	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/13/25 16:15	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/13/25 16:15	1
Styrene	1.0	U	1.0	0.42	ug/L			06/13/25 16:15	1
Tetrachloroethene	**2.1**		0.40	0.28	ug/L			06/13/25 16:15	1
Toluene	1.0	U	1.0	0.38	ug/L			06/13/25 16:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/13/25 16:15	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			06/13/25 16:15	1
Trichloroethene	0.28	U	0.28	0.074	ug/L			06/13/25 16:15	1

Client Sample ID: TW-2
Date Collected: 06/06/25 11:40
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327908-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/13/25 16:15	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			06/13/25 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 128*		*06/13/25 16:15*	*1*
4-Bromofluorobenzene	*99*		*76 - 120*		*06/13/25 16:15*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 132*		*06/13/25 16:15*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/13/25 16:15*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		06/11/25 08:51	06/12/25 06:20	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*71*		*10 - 150*	*06/11/25 08:51*	*06/12/25 06:20*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	5.0	U	5.0	1.2	ug/L		06/11/25 09:54	06/12/25 10:30	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		06/11/25 09:54	06/12/25 10:30	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		06/11/25 09:54	06/12/25 10:30	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		06/11/25 09:54	06/12/25 10:30	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		06/11/25 09:54	06/12/25 10:30	1
2,4,6-Trichlorophenol	3.0	U	3.0	0.86	ug/L		06/11/25 09:54	06/12/25 10:30	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		06/11/25 09:54	06/12/25 10:30	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		06/11/25 09:54	06/12/25 10:30	1
2,4-Dinitrophenol	40	U	40	11	ug/L		06/11/25 09:54	06/12/25 10:30	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		06/11/25 09:54	06/12/25 10:30	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		06/11/25 09:54	06/12/25 10:30	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		06/11/25 09:54	06/12/25 10:30	1
2-Chlorophenol	10	U	10	0.95	ug/L		06/11/25 09:54	06/12/25 10:30	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		06/11/25 09:54	06/12/25 10:30	1
2-Methylphenol	10	U	10	0.67	ug/L		06/11/25 09:54	06/12/25 10:30	1
2-Nitroaniline	10	U	10	1.2	ug/L		06/11/25 09:54	06/12/25 10:30	1
2-Nitrophenol	10	U	10	0.75	ug/L		06/11/25 09:54	06/12/25 10:30	1
3,3'-Dichlorobenzidine	5.2	U	5.2	1.4	ug/L		06/11/25 09:54	06/12/25 10:30	1
3-Nitroaniline	10	U	10	1.9	ug/L		06/11/25 09:54	06/12/25 10:30	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		06/11/25 09:54	06/12/25 10:30	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		06/11/25 09:54	06/12/25 10:30	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		06/11/25 09:54	06/12/25 10:30	1
4-Chloroaniline	5.0	U	5.0	1.9	ug/L		06/11/25 09:54	06/12/25 10:30	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		06/11/25 09:54	06/12/25 10:30	1
4-Methylphenol	10	U	10	0.65	ug/L		06/11/25 09:54	06/12/25 10:30	1
4-Nitroaniline	10	U	10	1.2	ug/L		06/11/25 09:54	06/12/25 10:30	1
4-Nitrophenol	20	U	20	4.0	ug/L		06/11/25 09:54	06/12/25 10:30	1
Acenaphthene	10	U	10	1.1	ug/L		06/11/25 09:54	06/12/25 10:30	1
Acenaphthylene	10	U	10	0.82	ug/L		06/11/25 09:54	06/12/25 10:30	1
Acetophenone	10	U	10	2.3	ug/L		06/11/25 09:54	06/12/25 10:30	1
Anthracene	10	U	10	1.3	ug/L		06/11/25 09:54	06/12/25 10:30	1
Atrazine	2.0	U *	2.0	1.3	ug/L		06/11/25 09:54	06/12/25 10:30	1
Benzaldehyde	10	U *	10	2.1	ug/L		06/11/25 09:54	06/12/25 10:30	1

Client Sample ID: TW-2
Date Collected: 06/06/25 11:40
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327908-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		06/11/25 09:54	06/12/25 10:30	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		06/11/25 09:54	06/12/25 10:30	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		06/11/25 09:54	06/12/25 10:30	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		06/11/25 09:54	06/12/25 10:30	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		06/11/25 09:54	06/12/25 10:30	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		06/11/25 09:54	06/12/25 10:30	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		06/11/25 09:54	06/12/25 10:30	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		06/11/25 09:54	06/12/25 10:30	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		06/11/25 09:54	06/12/25 10:30	1
Caprolactam	10	U	10	2.2	ug/L		06/11/25 09:54	06/12/25 10:30	1
Carbazole	10	U	10	0.68	ug/L		06/11/25 09:54	06/12/25 10:30	1
Chrysene	2.0	U	2.0	0.91	ug/L		06/11/25 09:54	06/12/25 10:30	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		06/11/25 09:54	06/12/25 10:30	1
Dibenzofuran	10	U	10	1.1	ug/L		06/11/25 09:54	06/12/25 10:30	1
Diethyl phthalate	10	U	10	0.98	ug/L		06/11/25 09:54	06/12/25 10:30	1
Dimethyl phthalate	10	U	10	0.77	ug/L		06/11/25 09:54	06/12/25 10:30	1
Di-n-butyl phthalate	**1.3**	**J**	10	0.84	ug/L		06/11/25 09:54	06/12/25 10:30	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		06/11/25 09:54	06/12/25 10:30	1
Fluoranthene	10	U	10	0.84	ug/L		06/11/25 09:54	06/12/25 10:30	1
Fluorene	10	U	10	0.91	ug/L		06/11/25 09:54	06/12/25 10:30	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		06/11/25 09:54	06/12/25 10:30	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		06/11/25 09:54	06/12/25 10:30	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		06/11/25 09:54	06/12/25 10:30	1
Hexachloroethane	0.80	U	0.80	0.31	ug/L		06/11/25 09:54	06/12/25 10:30	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		06/11/25 09:54	06/12/25 10:30	1
Isophorone	10	U	10	0.80	ug/L		06/11/25 09:54	06/12/25 10:30	1
Naphthalene	2.0	U	2.0	0.54	ug/L		06/11/25 09:54	06/12/25 10:30	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		06/11/25 09:54	06/12/25 10:30	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		06/11/25 09:54	06/12/25 10:30	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		06/11/25 09:54	06/12/25 10:30	1
Pentachlorophenol	20	U	20	6.6	ug/L		06/11/25 09:54	06/12/25 10:30	1
Phenanthrene	10	U	10	1.3	ug/L		06/11/25 09:54	06/12/25 10:30	1
Phenol	10	U	10	0.29	ug/L		06/11/25 09:54	06/12/25 10:30	1
Pyrene	10	U	10	1.6	ug/L		06/11/25 09:54	06/12/25 10:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*24 - 150*	*06/11/25 09:54*	*06/12/25 10:30*	*1*
2-Fluorobiphenyl	*92*		*38 - 139*	*06/11/25 09:54*	*06/12/25 10:30*	*1*
2-Fluorophenol (Surr)	*65*		*10 - 90*	*06/11/25 09:54*	*06/12/25 10:30*	*1*
Nitrobenzene-d5 (Surr)	*97*		*39 - 145*	*06/11/25 09:54*	*06/12/25 10:30*	*1*
Phenol-d5 (Surr)	*48*		*10 - 68*	*06/11/25 09:54*	*06/12/25 10:30*	*1*
Terphenyl-d14 (Surr)	*92*		*10 - 133*	*06/11/25 09:54*	*06/12/25 10:30*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		06/11/25 21:19	06/12/25 05:37	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		06/11/25 21:19	06/12/25 05:37	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:37	1
Aldrin	0.020	U	0.020	0.0030	ug/L		06/11/25 21:19	06/12/25 05:37	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		06/11/25 21:19	06/12/25 05:37	1

Client Sample ID: TW-2
Date Collected: 06/06/25 11:40
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327908-2
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	0.020	U	0.020	0.015	ug/L		06/11/25 21:19	06/12/25 05:37	1
Chlordane (technical)	0.20	U	0.20	0.055	ug/L		06/11/25 21:19	06/12/25 05:37	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		06/11/25 21:19	06/12/25 05:37	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		06/11/25 21:19	06/12/25 05:37	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		06/11/25 21:19	06/12/25 05:37	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:37	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		06/11/25 21:19	06/12/25 05:37	1
Endrin	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:37	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		06/11/25 21:19	06/12/25 05:37	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		06/11/25 21:19	06/12/25 05:37	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		06/11/25 21:19	06/12/25 05:37	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		06/11/25 21:19	06/12/25 05:37	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		06/11/25 21:19	06/12/25 05:37	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:37	1
Toxaphene	0.50	U	0.50	0.11	ug/L		06/11/25 21:19	06/12/25 05:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*10 - 131*	*06/11/25 21:19*	*06/12/25 05:37*	*1*
DCB Decachlorobiphenyl	*64*		*10 - 131*	*06/11/25 21:19*	*06/12/25 05:37*	*1*
Tetrachloro-m-xylene	*62*		*31 - 120*	*06/11/25 21:19*	*06/12/25 05:37*	*1*
Tetrachloro-m-xylene	*57*		*31 - 120*	*06/11/25 21:19*	*06/12/25 05:37*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 09:19	1
Aroclor 1221	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 09:19	1
Aroclor 1232	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 09:19	1
Aroclor 1242	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 09:19	1
Aroclor 1248	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 09:19	1
Aroclor 1254	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 09:19	1
Aroclor 1260	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 09:19	1
Aroclor-1262	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 09:19	1
Aroclor 1268	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 09:19	1
Polychlorinated biphenyls, Total	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 09:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*10 - 127*	*06/11/25 21:13*	*06/12/25 09:19*	*1*
DCB Decachlorobiphenyl	*88*		*10 - 127*	*06/11/25 21:13*	*06/12/25 09:19*	*1*
Tetrachloro-m-xylene	*59*		*21 - 139*	*06/11/25 21:13*	*06/12/25 09:19*	*1*
Tetrachloro-m-xylene	*77*		*21 - 139*	*06/11/25 21:13*	*06/12/25 09:19*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**474000**		80.0	23.4	ug/L		06/11/25 08:34	06/12/25 03:49	1
Antimony	**1.8**	**J**	4.0	0.95	ug/L		06/11/25 08:34	06/12/25 03:49	1
Arsenic	**133**		4.0	2.3	ug/L		06/11/25 08:34	06/12/25 03:49	1
Barium	**4410**		8.0	1.9	ug/L		06/11/25 08:34	06/12/25 03:49	1
Beryllium	**20.9**		1.6	0.25	ug/L		06/11/25 08:34	06/12/25 03:49	1
Cadmium	**9.1**		1.8	0.52	ug/L		06/11/25 08:34	06/12/25 03:49	1
Calcium	**1630000**		1000	63.4	ug/L		06/11/25 08:34	06/12/25 03:49	1

Client Sample ID: TW-2

Date Collected: 06/06/25 11:40
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327908-2

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	1090		8.0	3.3	ug/L		06/11/25 08:34	06/12/25 03:49	1
Cobalt	651		4.0	0.35	ug/L		06/11/25 08:34	06/12/25 03:49	1
Copper	1970		8.0	3.9	ug/L		06/11/25 08:34	06/13/25 21:41	1
Iron	986000		240	67.4	ug/L		06/11/25 08:34	06/12/25 03:49	1
Lead	1740		2.4	0.83	ug/L		06/11/25 08:34	06/12/25 03:49	1
Magnesium	586000		400	43.6	ug/L		06/11/25 08:34	06/12/25 03:49	1
Manganese	27400		16.0	1.7	ug/L		06/11/25 08:34	06/12/25 03:49	1
Nickel	1300		8.0	2.8	ug/L		06/11/25 08:34	06/12/25 03:49	1
Potassium	100000		400	228	ug/L		06/11/25 08:34	06/12/25 03:49	1
Selenium	8.5	B	5.0	0.86	ug/L		06/11/25 08:34	06/12/25 03:49	1
Silver	2.6	J	4.0	2.6	ug/L		06/11/25 08:34	06/12/25 03:49	1
Sodium	28200		1000	360	ug/L		06/11/25 08:34	06/12/25 03:49	1
Thallium	7.3		1.0	0.33	ug/L		06/11/25 08:34	06/12/25 03:49	1
Vanadium	1080		8.0	2.0	ug/L		06/11/25 08:34	06/12/25 03:49	1
Zinc	3610		32.0	8.4	ug/L		06/11/25 08:34	06/12/25 03:49	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		06/11/25 23:14	06/12/25 01:46	1
Antimony	2.0	U	2.0	0.48	ug/L		06/11/25 23:14	06/12/25 01:46	1
Arsenic	2.0	U	2.0	1.2	ug/L		06/11/25 23:14	06/12/25 01:46	1
Barium	28.3		4.0	0.93	ug/L		06/11/25 23:14	06/12/25 01:46	1
Beryllium	0.80	U	0.80	0.12	ug/L		06/11/25 23:14	06/12/25 01:46	1
Cadmium	0.92	U	0.92	0.26	ug/L		06/11/25 23:14	06/12/25 01:46	1
Calcium	41900		500	31.7	ug/L		06/11/25 23:14	06/12/25 01:46	1
Chromium	8.6		4.0	1.7	ug/L		06/11/25 23:14	06/12/25 01:46	1
Cobalt	0.30	J	2.0	0.18	ug/L		06/11/25 23:14	06/12/25 01:46	1
Copper	3.5	J	4.0	2.0	ug/L		06/11/25 23:14	06/12/25 01:46	1
Iron	120	U	120	33.7	ug/L		06/11/25 23:14	06/12/25 01:46	1
Lead	1.2	U	1.2	0.42	ug/L		06/11/25 23:14	06/12/25 01:46	1
Magnesium	12000		200	21.8	ug/L		06/11/25 23:14	06/12/25 01:46	1
Manganese	8.0	U	8.0	0.84	ug/L		06/11/25 23:14	06/12/25 01:46	1
Nickel	4.0	U	4.0	1.4	ug/L		06/11/25 23:14	06/12/25 01:46	1
Potassium	4090		200	114	ug/L		06/11/25 23:14	06/12/25 01:46	1
Selenium	3.5		2.5	0.43	ug/L		06/11/25 23:14	06/12/25 01:46	1
Silver	2.0	U	2.0	1.3	ug/L		06/11/25 23:14	06/12/25 01:46	1
Sodium	15400		500	180	ug/L		06/11/25 23:14	06/12/25 01:46	1
Thallium	0.50	U	0.50	0.16	ug/L		06/11/25 23:14	06/12/25 01:46	1
Vanadium	4.0	U	4.0	1.0	ug/L		06/11/25 23:14	06/12/25 01:46	1
Zinc	16.0	U	16.0	4.2	ug/L		06/11/25 23:14	06/12/25 01:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.93		0.60	0.27	ug/L		06/16/25 10:28	06/16/25 17:22	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		06/12/25 11:36	06/12/25 18:58	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327908-1

Client Sample ID: TW-3
Date Collected: 06/06/25 10:25
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327908-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/13/25 16:43	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			06/13/25 16:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/13/25 16:43	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			06/13/25 16:43	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/13/25 16:43	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/13/25 16:43	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			06/13/25 16:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/13/25 16:43	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/13/25 16:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			06/13/25 16:43	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			06/13/25 16:43	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			06/13/25 16:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/13/25 16:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/13/25 16:43	1
2-Butanone (MEK)	5.0	U	5.0	3.9	ug/L			06/13/25 16:43	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/13/25 16:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/13/25 16:43	1
Acetone	5.0	U	5.0	4.4	ug/L			06/13/25 16:43	1
Benzene	0.45	U	0.45	0.070	ug/L			06/13/25 16:43	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/13/25 16:43	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/13/25 16:43	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/13/25 16:43	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/13/25 16:43	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/13/25 16:43	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			06/13/25 16:43	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			06/13/25 16:43	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/13/25 16:43	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/13/25 16:43	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/13/25 16:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.48	ug/L			06/13/25 16:43	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			06/13/25 16:43	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/13/25 16:43	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			06/13/25 16:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/13/25 16:43	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/13/25 16:43	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/13/25 16:43	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/13/25 16:43	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/13/25 16:43	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			06/13/25 16:43	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			06/13/25 16:43	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			06/13/25 16:43	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/13/25 16:43	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/13/25 16:43	1
Styrene	1.0	U	1.0	0.42	ug/L			06/13/25 16:43	1
Tetrachloroethene	**1.0**		0.40	0.28	ug/L			06/13/25 16:43	1
Toluene	1.0	U	1.0	0.38	ug/L			06/13/25 16:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/13/25 16:43	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			06/13/25 16:43	1
Trichloroethene	0.28	U	0.28	0.074	ug/L			06/13/25 16:43	1

Client Sample ID: TW-3
Date Collected: 06/06/25 10:25
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327908-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/13/25 16:43	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			06/13/25 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 128*		*06/13/25 16:43*	*1*
4-Bromofluorobenzene	*99*		*76 - 120*		*06/13/25 16:43*	*1*
Dibromofluoromethane (Surr)	*96*		*77 - 132*		*06/13/25 16:43*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/13/25 16:43*	*1*

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		06/11/25 08:51	06/12/25 06:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*104*		*10 - 150*	*06/11/25 08:51*	*06/12/25 06:35*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	5.0	U	5.0	1.2	ug/L		06/11/25 09:54	06/12/25 11:14	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		06/11/25 09:54	06/12/25 11:14	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		06/11/25 09:54	06/12/25 11:14	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		06/11/25 09:54	06/12/25 11:14	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		06/11/25 09:54	06/12/25 11:14	1
2,4,6-Trichlorophenol	3.0	U	3.0	0.86	ug/L		06/11/25 09:54	06/12/25 11:14	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		06/11/25 09:54	06/12/25 11:14	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		06/11/25 09:54	06/12/25 11:14	1
2,4-Dinitrophenol	40	U	40	11	ug/L		06/11/25 09:54	06/12/25 11:14	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		06/11/25 09:54	06/12/25 11:14	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		06/11/25 09:54	06/12/25 11:14	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		06/11/25 09:54	06/12/25 11:14	1
2-Chlorophenol	10	U	10	0.95	ug/L		06/11/25 09:54	06/12/25 11:14	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		06/11/25 09:54	06/12/25 11:14	1
2-Methylphenol	10	U	10	0.67	ug/L		06/11/25 09:54	06/12/25 11:14	1
2-Nitroaniline	10	U	10	1.2	ug/L		06/11/25 09:54	06/12/25 11:14	1
2-Nitrophenol	10	U	10	0.75	ug/L		06/11/25 09:54	06/12/25 11:14	1
3,3'-Dichlorobenzidine	5.2	U	5.2	1.4	ug/L		06/11/25 09:54	06/12/25 11:14	1
3-Nitroaniline	10	U	10	1.9	ug/L		06/11/25 09:54	06/12/25 11:14	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		06/11/25 09:54	06/12/25 11:14	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		06/11/25 09:54	06/12/25 11:14	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		06/11/25 09:54	06/12/25 11:14	1
4-Chloroaniline	5.0	U	5.0	1.9	ug/L		06/11/25 09:54	06/12/25 11:14	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		06/11/25 09:54	06/12/25 11:14	1
4-Methylphenol	10	U	10	0.65	ug/L		06/11/25 09:54	06/12/25 11:14	1
4-Nitroaniline	10	U	10	1.2	ug/L		06/11/25 09:54	06/12/25 11:14	1
4-Nitrophenol	20	U	20	4.0	ug/L		06/11/25 09:54	06/12/25 11:14	1
Acenaphthene	10	U	10	1.1	ug/L		06/11/25 09:54	06/12/25 11:14	1
Acenaphthylene	10	U	10	0.82	ug/L		06/11/25 09:54	06/12/25 11:14	1
Acetophenone	10	U	10	2.3	ug/L		06/11/25 09:54	06/12/25 11:14	1
Anthracene	10	U	10	1.3	ug/L		06/11/25 09:54	06/12/25 11:14	1
Atrazine	2.0	U *	2.0	1.3	ug/L		06/11/25 09:54	06/12/25 11:14	1
Benzaldehyde	10	U *	10	2.1	ug/L		06/11/25 09:54	06/12/25 11:14	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327908-1

Client Sample ID: TW-3
Date Collected: 06/06/25 10:25
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327908-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		06/11/25 09:54	06/12/25 11:14	1
Benzo[a]pyrene	**0.59**	**J**	1.0	0.41	ug/L		06/11/25 09:54	06/12/25 11:14	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		06/11/25 09:54	06/12/25 11:14	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		06/11/25 09:54	06/12/25 11:14	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		06/11/25 09:54	06/12/25 11:14	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		06/11/25 09:54	06/12/25 11:14	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		06/11/25 09:54	06/12/25 11:14	1
Bis(2-ethylhexyl) phthalate	**1.5**	**J**	2.0	0.80	ug/L		06/11/25 09:54	06/12/25 11:14	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		06/11/25 09:54	06/12/25 11:14	1
Caprolactam	10	U	10	2.2	ug/L		06/11/25 09:54	06/12/25 11:14	1
Carbazole	10	U	10	0.68	ug/L		06/11/25 09:54	06/12/25 11:14	1
Chrysene	2.0	U	2.0	0.91	ug/L		06/11/25 09:54	06/12/25 11:14	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		06/11/25 09:54	06/12/25 11:14	1
Dibenzofuran	10	U	10	1.1	ug/L		06/11/25 09:54	06/12/25 11:14	1
Diethyl phthalate	10	U	10	0.98	ug/L		06/11/25 09:54	06/12/25 11:14	1
Dimethyl phthalate	10	U	10	0.77	ug/L		06/11/25 09:54	06/12/25 11:14	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		06/11/25 09:54	06/12/25 11:14	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		06/11/25 09:54	06/12/25 11:14	1
Fluoranthene	10	U	10	0.84	ug/L		06/11/25 09:54	06/12/25 11:14	1
Fluorene	10	U	10	0.91	ug/L		06/11/25 09:54	06/12/25 11:14	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		06/11/25 09:54	06/12/25 11:14	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		06/11/25 09:54	06/12/25 11:14	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		06/11/25 09:54	06/12/25 11:14	1
Hexachloroethane	0.80	U	0.80	0.31	ug/L		06/11/25 09:54	06/12/25 11:14	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		06/11/25 09:54	06/12/25 11:14	1
Isophorone	10	U	10	0.80	ug/L		06/11/25 09:54	06/12/25 11:14	1
Naphthalene	2.0	U	2.0	0.54	ug/L		06/11/25 09:54	06/12/25 11:14	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		06/11/25 09:54	06/12/25 11:14	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		06/11/25 09:54	06/12/25 11:14	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		06/11/25 09:54	06/12/25 11:14	1
Pentachlorophenol	20	U	20	6.6	ug/L		06/11/25 09:54	06/12/25 11:14	1
Phenanthrene	10	U	10	1.3	ug/L		06/11/25 09:54	06/12/25 11:14	1
Phenol	10	U	10	0.29	ug/L		06/11/25 09:54	06/12/25 11:14	1
Pyrene	10	U	10	1.6	ug/L		06/11/25 09:54	06/12/25 11:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*24 - 150*	*06/11/25 09:54*	*06/12/25 11:14*	*1*
2-Fluorobiphenyl	*94*		*38 - 139*	*06/11/25 09:54*	*06/12/25 11:14*	*1*
2-Fluorophenol (Surr)	*68*		*10 - 90*	*06/11/25 09:54*	*06/12/25 11:14*	*1*
Nitrobenzene-d5 (Surr)	*100*		*39 - 145*	*06/11/25 09:54*	*06/12/25 11:14*	*1*
Phenol-d5 (Surr)	*51*		*10 - 68*	*06/11/25 09:54*	*06/12/25 11:14*	*1*
Terphenyl-d14 (Surr)	*96*		*10 - 133*	*06/11/25 09:54*	*06/12/25 11:14*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		06/11/25 21:19	06/12/25 05:49	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		06/11/25 21:19	06/12/25 05:49	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:49	1
Aldrin	0.020	U	0.020	0.0030	ug/L		06/11/25 21:19	06/12/25 05:49	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		06/11/25 21:19	06/12/25 05:49	1

Client Sample ID: TW-3
Date Collected: 06/06/25 10:25
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327908-3
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	0.020	U	0.020	0.015	ug/L		06/11/25 21:19	06/12/25 05:49	1
Chlordane (technical)	0.20	U	0.20	0.055	ug/L		06/11/25 21:19	06/12/25 05:49	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		06/11/25 21:19	06/12/25 05:49	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		06/11/25 21:19	06/12/25 05:49	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		06/11/25 21:19	06/12/25 05:49	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:49	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		06/11/25 21:19	06/12/25 05:49	1
Endrin	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:49	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		06/11/25 21:19	06/12/25 05:49	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		06/11/25 21:19	06/12/25 05:49	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		06/11/25 21:19	06/12/25 05:49	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		06/11/25 21:19	06/12/25 05:49	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		06/11/25 21:19	06/12/25 05:49	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:49	1
Toxaphene	0.50	U	0.50	0.11	ug/L		06/11/25 21:19	06/12/25 05:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*10 - 131*	*06/11/25 21:19*	*06/12/25 05:49*	*1*
DCB Decachlorobiphenyl	*56*		*10 - 131*	*06/11/25 21:19*	*06/12/25 05:49*	*1*
Tetrachloro-m-xylene	*52*		*31 - 120*	*06/11/25 21:19*	*06/12/25 05:49*	*1*
Tetrachloro-m-xylene	*52*		*31 - 120*	*06/11/25 21:19*	*06/12/25 05:49*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 09:35	1
Aroclor 1221	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 09:35	1
Aroclor 1232	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 09:35	1
Aroclor 1242	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 09:35	1
Aroclor 1248	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 09:35	1
Aroclor 1254	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 09:35	1
Aroclor 1260	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 09:35	1
Aroclor-1262	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 09:35	1
Aroclor 1268	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 09:35	1
Polychlorinated biphenyls, Total	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 09:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*10 - 127*	*06/11/25 21:13*	*06/12/25 09:35*	*1*
DCB Decachlorobiphenyl	*95*		*10 - 127*	*06/11/25 21:13*	*06/12/25 09:35*	*1*
Tetrachloro-m-xylene	*67*		*21 - 139*	*06/11/25 21:13*	*06/12/25 09:35*	*1*
Tetrachloro-m-xylene	*84*		*21 - 139*	*06/11/25 21:13*	*06/12/25 09:35*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**359000**		80.0	23.4	ug/L		06/11/25 08:34	06/13/25 21:47	1
Antimony	**1.1**	**J**	4.0	0.95	ug/L		06/11/25 08:34	06/13/25 21:47	1
Arsenic	**75.8**		4.0	2.3	ug/L		06/11/25 08:34	06/13/25 21:47	1
Barium	**3060**		8.0	1.9	ug/L		06/11/25 08:34	06/13/25 21:47	1
Beryllium	**17.3**		1.6	0.25	ug/L		06/11/25 08:34	06/13/25 21:47	1
Cadmium	**6.4**		1.8	0.52	ug/L		06/11/25 08:34	06/13/25 21:47	1
Calcium	**1300000**		1000	63.4	ug/L		06/11/25 08:34	06/13/25 21:47	1

Client Sample ID: TW-3

Date Collected: 06/06/25 10:25
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327908-3

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	969		8.0	3.3	ug/L		06/11/25 08:34	06/13/25 21:47	1
Cobalt	451		4.0	0.35	ug/L		06/11/25 08:34	06/13/25 21:47	1
Copper	1500		8.0	3.9	ug/L		06/11/25 08:34	06/13/25 21:47	1
Iron	781000		240	67.4	ug/L		06/11/25 08:34	06/13/25 21:47	1
Lead	895		2.4	0.83	ug/L		06/11/25 08:34	06/13/25 21:47	1
Magnesium	444000		400	43.6	ug/L		06/11/25 08:34	06/13/25 21:47	1
Manganese	25500		16.0	1.7	ug/L		06/11/25 08:34	06/13/25 21:47	1
Nickel	982		8.0	2.8	ug/L		06/11/25 08:34	06/13/25 21:47	1
Potassium	95300		400	228	ug/L		06/11/25 08:34	06/13/25 21:47	1
Selenium	2.9	J B	5.0	0.86	ug/L		06/11/25 08:34	06/13/25 21:47	1
Silver	4.0	U	4.0	2.6	ug/L		06/11/25 08:34	06/13/25 21:47	1
Sodium	19300		1000	360	ug/L		06/11/25 08:34	06/13/25 21:47	1
Thallium	2.5		1.0	0.33	ug/L		06/11/25 08:34	06/13/25 21:47	1
Vanadium	924		8.0	2.0	ug/L		06/11/25 08:34	06/13/25 21:47	1
Zinc	2450		32.0	8.4	ug/L		06/11/25 08:34	06/13/25 21:47	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		06/11/25 23:14	06/12/25 01:54	1
Antimony	2.0	U	2.0	0.48	ug/L		06/11/25 23:14	06/12/25 01:54	1
Arsenic	2.1		2.0	1.2	ug/L		06/11/25 23:14	06/12/25 01:54	1
Barium	9.1		4.0	0.93	ug/L		06/11/25 23:14	06/12/25 01:54	1
Beryllium	0.80	U	0.80	0.12	ug/L		06/11/25 23:14	06/12/25 01:54	1
Cadmium	0.92	U	0.92	0.26	ug/L		06/11/25 23:14	06/12/25 01:54	1
Calcium	24600		500	31.7	ug/L		06/11/25 23:14	06/12/25 01:54	1
Chromium	11.9		4.0	1.7	ug/L		06/11/25 23:14	06/12/25 01:54	1
Cobalt	0.20	J	2.0	0.18	ug/L		06/11/25 23:14	06/12/25 01:54	1
Copper	3.9	J	4.0	2.0	ug/L		06/11/25 23:14	06/12/25 01:54	1
Iron	120	U	120	33.7	ug/L		06/11/25 23:14	06/12/25 01:54	1
Lead	1.2	U	1.2	0.42	ug/L		06/11/25 23:14	06/12/25 01:54	1
Magnesium	6810		200	21.8	ug/L		06/11/25 23:14	06/12/25 01:54	1
Manganese	1.2	J	8.0	0.84	ug/L		06/11/25 23:14	06/12/25 01:54	1
Nickel	4.0	U	4.0	1.4	ug/L		06/11/25 23:14	06/12/25 01:54	1
Potassium	2600		200	114	ug/L		06/11/25 23:14	06/12/25 01:54	1
Selenium	0.89	J	2.5	0.43	ug/L		06/11/25 23:14	06/12/25 01:54	1
Silver	2.0	U	2.0	1.3	ug/L		06/11/25 23:14	06/12/25 01:54	1
Sodium	5210		500	180	ug/L		06/11/25 23:14	06/12/25 01:54	1
Thallium	0.50	U	0.50	0.16	ug/L		06/11/25 23:14	06/12/25 01:54	1
Vanadium	3.4	J	4.0	1.0	ug/L		06/11/25 23:14	06/12/25 01:54	1
Zinc	16.0	U	16.0	4.2	ug/L		06/11/25 23:14	06/12/25 01:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.46	J	0.60	0.27	ug/L		06/16/25 10:28	06/16/25 17:25	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		06/12/25 11:36	06/12/25 19:24	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327908-1

Client Sample ID: TB060625
Date Collected: 06/06/25 00:00
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327908-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/13/25 13:54	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			06/13/25 13:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/13/25 13:54	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			06/13/25 13:54	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/13/25 13:54	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/13/25 13:54	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			06/13/25 13:54	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/13/25 13:54	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/13/25 13:54	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			06/13/25 13:54	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			06/13/25 13:54	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			06/13/25 13:54	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/13/25 13:54	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/13/25 13:54	1
2-Butanone (MEK)	5.0	U	5.0	3.9	ug/L			06/13/25 13:54	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/13/25 13:54	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/13/25 13:54	1
Acetone	5.0	U	5.0	4.4	ug/L			06/13/25 13:54	1
Benzene	0.45	U	0.45	0.070	ug/L			06/13/25 13:54	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/13/25 13:54	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/13/25 13:54	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/13/25 13:54	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/13/25 13:54	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/13/25 13:54	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			06/13/25 13:54	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			06/13/25 13:54	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/13/25 13:54	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/13/25 13:54	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/13/25 13:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.48	ug/L			06/13/25 13:54	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			06/13/25 13:54	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/13/25 13:54	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			06/13/25 13:54	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/13/25 13:54	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/13/25 13:54	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/13/25 13:54	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/13/25 13:54	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/13/25 13:54	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			06/13/25 13:54	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			06/13/25 13:54	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			06/13/25 13:54	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/13/25 13:54	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/13/25 13:54	1
Styrene	1.0	U	1.0	0.42	ug/L			06/13/25 13:54	1
Tetrachloroethene	0.40	U	0.40	0.28	ug/L			06/13/25 13:54	1
Toluene	1.0	U	1.0	0.38	ug/L			06/13/25 13:54	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/13/25 13:54	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			06/13/25 13:54	1
Trichloroethene	0.28	U	0.28	0.074	ug/L			06/13/25 13:54	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327908-1

Client Sample ID: TB060625
Date Collected: 06/06/25 00:00
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327908-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/13/25 13:54	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			06/13/25 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 128*		*06/13/25 13:54*	*1*
4-Bromofluorobenzene	*103*		*76 - 120*		*06/13/25 13:54*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 132*		*06/13/25 13:54*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/13/25 13:54*	*1*

Surrogate Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327908-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-132)	(80-120)
460-327908-1	TW-1	105	100	102	102
460-327908-2	TW-2	101	99	101	102
460-327908-3	TW-3	96	99	96	101
460-327908-4	TB060625	106	103	103	101
LCS 460-1042970/19	Lab Control Sample	104	100	100	100
LCSD 460-1042970/20	Lab Control Sample Dup	98	102	97	100
MB 460-1042970/23	Method Blank	103	101	102	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-150)	(38-139)	(10-90)	(39-145)	(10-68)	(10-133)
460-327908-1	TW-1	73	98	51	101	32	75
460-327908-2	TW-2	73	92	65	97	48	92
460-327908-3	TW-3	71	94	68	100	51	96
LCS 460-1042793/2-A	Lab Control Sample	68	87	45	90	29	74
LCSD 460-1042793/3-A	Lab Control Sample Dup	66	87	45	89	29	54
MB 460-1042793/1-A	Method Blank	69	93	48	96	30	93

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-131)	(10-131)	(31-120)	(31-120)
460-327908-1	TW-1	65	61	62	61
460-327908-2	TW-2	64	65	57	62
460-327908-3	TW-3	56	53	52	52
LCS 460-1042958/2-A	Lab Control Sample	67	62	72	69
LCSD 460-1042958/3-A	Lab Control Sample Dup	66	61	70	67
MB 460-1042958/1-A	Method Blank	70	64	71	71

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: GEI Consultants Inc
Job ID: 460-327908-1
Project/Site: 28-12 41st Avenue

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-127)	DCBP2 (10-127)	TCX1 (21-139)	TCX2 (21-139)
460-327908-1	TW-1	81	70	75	64
460-327908-2	TW-2	88	70	77	59
460-327908-3	TW-3	95	84	84	67
LCS 460-1042957/2-A	Lab Control Sample	83	77	86	74
LCSD 460-1042957/3-A	Lab Control Sample Dup	82	75	85	74
MB 460-1042957/1-A	Method Blank	84	79	88	77

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Isotope Dilution Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327908-1

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DXE (10-150)
460-327908-1	TW-1	72
460-327908-2	TW-2	71
460-327908-3	TW-3	104
460-328000-I-2-A MS	Matrix Spike	50
460-328000-M-2-A MSD	Matrix Spike Duplicate	36
LCS 460-1042731/2-A	Lab Control Sample	36
LCSD 460-1042731/3-A	Lab Control Sample Dup	32
MB 460-1042731/1-A	Method Blank	33

Surrogate Legend

DXE = 1,4-Dioxane-d8

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-1042970/23
Matrix: Water
Analysis Batch: 1042970

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/13/25 12:01	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			06/13/25 12:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/13/25 12:01	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			06/13/25 12:01	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/13/25 12:01	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/13/25 12:01	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			06/13/25 12:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/13/25 12:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/13/25 12:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			06/13/25 12:01	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			06/13/25 12:01	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			06/13/25 12:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/13/25 12:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/13/25 12:01	1
2-Butanone (MEK)	5.0	U	5.0	3.9	ug/L			06/13/25 12:01	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/13/25 12:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/13/25 12:01	1
Acetone	5.0	U	5.0	4.4	ug/L			06/13/25 12:01	1
Benzene	0.45	U	0.45	0.070	ug/L			06/13/25 12:01	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/13/25 12:01	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/13/25 12:01	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/13/25 12:01	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/13/25 12:01	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/13/25 12:01	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			06/13/25 12:01	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			06/13/25 12:01	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/13/25 12:01	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/13/25 12:01	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/13/25 12:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.48	ug/L			06/13/25 12:01	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			06/13/25 12:01	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/13/25 12:01	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			06/13/25 12:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/13/25 12:01	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/13/25 12:01	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/13/25 12:01	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/13/25 12:01	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/13/25 12:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			06/13/25 12:01	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			06/13/25 12:01	1
Methylene Chloride	1.0	U	1.0	0.65	ug/L			06/13/25 12:01	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/13/25 12:01	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/13/25 12:01	1
Styrene	1.0	U	1.0	0.42	ug/L			06/13/25 12:01	1
Tetrachloroethene	0.40	U	0.40	0.28	ug/L			06/13/25 12:01	1
Toluene	1.0	U	1.0	0.38	ug/L			06/13/25 12:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/13/25 12:01	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			06/13/25 12:01	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1042970/23
Matrix: Water
Analysis Batch: 1042970

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.28	U	0.28	0.074	ug/L			06/13/25 12:01	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/13/25 12:01	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			06/13/25 12:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 128*		*06/13/25 12:01*	*1*
4-Bromofluorobenzene	*101*		*76 - 120*		*06/13/25 12:01*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 132*		*06/13/25 12:01*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/13/25 12:01*	*1*

Lab Sample ID: LCS 460-1042970/19
Matrix: Water
Analysis Batch: 1042970

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	19.4		ug/L		97	72 - 128
1,1,2,2-Tetrachloroethane	20.0	20.1		ug/L		101	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.2		ug/L		106	65 - 142
1,1,2-Trichloroethane	20.0	20.7		ug/L		104	74 - 125
1,1-Dichloroethane	20.0	20.2		ug/L		101	73 - 130
1,1-Dichloroethene	20.0	20.0		ug/L		100	68 - 133
1,2,3-Trichlorobenzene	20.0	20.3		ug/L		101	55 - 150
1,2,4-Trichlorobenzene	20.0	18.8		ug/L		94	67 - 132
1,2-Dibromo-3-Chloropropane	20.0	22.4		ug/L		112	58 - 132
1,2-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120
1,2-Dichloroethane	20.0	19.0		ug/L		95	66 - 129
1,2-Dichloropropane	20.0	20.3		ug/L		102	72 - 128
1,3-Dichlorobenzene	20.0	19.9		ug/L		100	80 - 120
1,4-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120
2-Butanone (MEK)	100	89.5		ug/L		90	65 - 142
2-Hexanone	100	97.7		ug/L		98	72 - 134
4-Methyl-2-pentanone (MIBK)	100	94.9		ug/L		95	77 - 130
Acetone	100	80.3		ug/L		80	60 - 133
Benzene	20.0	19.4		ug/L		97	71 - 126
Bromoform	20.0	20.4		ug/L		102	58 - 128
Bromomethane	20.0	19.5		ug/L		98	33 - 150
Carbon disulfide	20.0	19.3		ug/L		97	35 - 150
Carbon tetrachloride	20.0	19.5		ug/L		97	65 - 131
Chlorobenzene	20.0	20.0		ug/L		100	80 - 120
Chlorobromomethane	20.0	21.0		ug/L		105	71 - 134
Chlorodibromomethane	20.0	20.6		ug/L		103	73 - 121
Chloroethane	20.0	20.3		ug/L		102	54 - 150
Chloroform	20.0	19.9		ug/L		99	78 - 125
Chloromethane	20.0	18.4		ug/L		92	43 - 149
cis-1,2-Dichloroethene	20.0	19.3		ug/L		97	78 - 121
cis-1,3-Dichloropropene	20.0	20.7		ug/L		103	74 - 125
Cyclohexane	20.0	21.1		ug/L		106	64 - 142
Dichlorobromomethane	20.0	20.1		ug/L		101	76 - 121

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1042970/19
Matrix: Water
Analysis Batch: 1042970

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	20.0	25.8		ug/L		129	38 - 144
Ethylbenzene	20.0	19.7		ug/L		99	78 - 120
Ethylene Dibromide	20.0	19.9		ug/L		99	79 - 126
Isopropylbenzene	20.0	22.1		ug/L		110	79 - 125
Methyl acetate	40.0	35.3		ug/L		88	50 - 147
Methyl tert-butyl ether	20.0	19.8		ug/L		99	72 - 131
Methylcyclohexane	20.0	20.6		ug/L		103	63 - 138
Methylene Chloride	20.0	18.5		ug/L		92	74 - 127
m-Xylene & p-Xylene	20.0	19.1		ug/L		96	78 - 120
o-Xylene	20.0	19.9		ug/L		99	78 - 120
Styrene	20.0	21.0		ug/L		105	82 - 127
Tetrachloroethene	20.0	20.3		ug/L		101	70 - 127
Toluene	20.0	19.2		ug/L		96	78 - 120
trans-1,2-Dichloroethene	20.0	19.2		ug/L		96	70 - 126
trans-1,3-Dichloropropene	20.0	21.7		ug/L		108	71 - 127
Trichloroethene	20.0	18.5		ug/L		93	73 - 121
Trichlorofluoromethane	20.0	22.2		ug/L		111	62 - 134
Vinyl chloride	20.0	21.6		ug/L		108	55 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 128*
4-Bromofluorobenzene	*100*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 132*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 460-1042970/20
Matrix: Water
Analysis Batch: 1042970

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	17.7		ug/L		88	72 - 128	10	30
1,1,2,2-Tetrachloroethane	20.0	17.9		ug/L		90	63 - 139	12	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.8		ug/L		99	65 - 142	7	30
1,1,2-Trichloroethane	20.0	20.1		ug/L		100	74 - 125	3	30
1,1-Dichloroethane	20.0	18.4		ug/L		92	73 - 130	9	30
1,1-Dichloroethene	20.0	17.4		ug/L		87	68 - 133	14	30
1,2,3-Trichlorobenzene	20.0	18.5		ug/L		93	55 - 150	9	30
1,2,4-Trichlorobenzene	20.0	17.8		ug/L		89	67 - 132	5	30
1,2-Dibromo-3-Chloropropane	20.0	19.7		ug/L		99	58 - 132	13	30
1,2-Dichlorobenzene	20.0	19.1		ug/L		95	80 - 120	6	30
1,2-Dichloroethane	20.0	17.7		ug/L		88	66 - 129	7	30
1,2-Dichloropropane	20.0	19.0		ug/L		95	72 - 128	7	30
1,3-Dichlorobenzene	20.0	18.6		ug/L		93	80 - 120	7	30
1,4-Dichlorobenzene	20.0	18.9		ug/L		95	80 - 120	7	30
2-Butanone (MEK)	100	86.2		ug/L		86	65 - 142	4	30
2-Hexanone	100	101		ug/L		101	72 - 134	4	30
4-Methyl-2-pentanone (MIBK)	100	97.9		ug/L		98	77 - 130	3	30
Acetone	100	76.6		ug/L		77	60 - 133	5	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1042970/20
Matrix: Water
Analysis Batch: 1042970

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			20.0	18.7		ug/L		94	71 - 126	3	30
Bromoform			20.0	19.7		ug/L		98	58 - 128	4	30
Bromomethane			20.0	18.4		ug/L		92	33 - 150	6	30
Carbon disulfide			20.0	18.2		ug/L		91	35 - 150	6	30
Carbon tetrachloride			20.0	18.5		ug/L		92	65 - 131	5	30
Chlorobenzene			20.0	18.9		ug/L		95	80 - 120	6	30
Chlorobromomethane			20.0	18.5		ug/L		93	71 - 134	12	30
Chlorodibromomethane			20.0	19.1		ug/L		95	73 - 121	8	30
Chloroethane			20.0	19.6		ug/L		98	54 - 150	3	30
Chloroform			20.0	18.4		ug/L		92	78 - 125	8	30
Chloromethane			20.0	17.6		ug/L		88	43 - 149	4	30
cis-1,2-Dichloroethene			20.0	17.3		ug/L		86	78 - 121	11	30
cis-1,3-Dichloropropene			20.0	19.9		ug/L		99	74 - 125	4	30
Cyclohexane			20.0	20.1		ug/L		101	64 - 142	5	30
Dichlorobromomethane			20.0	18.5		ug/L		92	76 - 121	8	30
Dichlorodifluoromethane			20.0	25.8		ug/L		129	38 - 144	0	30
Ethylbenzene			20.0	18.5		ug/L		92	78 - 120	7	30
Ethylene Dibromide			20.0	19.1		ug/L		96	79 - 126	4	30
Isopropylbenzene			20.0	20.7		ug/L		104	79 - 125	6	30
Methyl acetate			40.0	27.6		ug/L		69	50 - 147	24	30
Methyl tert-butyl ether			20.0	18.3		ug/L		91	72 - 131	8	30
Methylcyclohexane			20.0	19.9		ug/L		100	63 - 138	4	30
Methylene Chloride			20.0	17.9		ug/L		90	74 - 127	3	30
m-Xylene & p-Xylene			20.0	18.6		ug/L		93	78 - 120	3	30
o-Xylene			20.0	18.8		ug/L		94	78 - 120	6	30
Styrene			20.0	20.3		ug/L		101	82 - 127	4	30
Tetrachloroethene			20.0	18.1		ug/L		90	70 - 127	12	30
Toluene			20.0	18.6		ug/L		93	78 - 120	3	30
trans-1,2-Dichloroethene			20.0	17.1		ug/L		85	70 - 126	12	30
trans-1,3-Dichloropropene			20.0	20.5		ug/L		103	71 - 127	5	30
Trichloroethene			20.0	17.6		ug/L		88	73 - 121	5	30
Trichlorofluoromethane			20.0	21.6		ug/L		108	62 - 134	3	30
Vinyl chloride			20.0	20.8		ug/L		104	55 - 144	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 128*
4-Bromofluorobenzene	*102*		*76 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 132*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-1042793/1-A
Matrix: Water
Analysis Batch: 1043015

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	5.0	U	5.0	1.2	ug/L		06/11/25 09:54	06/12/25 07:39	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		06/11/25 09:54	06/12/25 07:39	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1042793/1-A
Matrix: Water
Analysis Batch: 1043015

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		06/11/25 09:54	06/12/25 07:39	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		06/11/25 09:54	06/12/25 07:39	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		06/11/25 09:54	06/12/25 07:39	1
2,4,6-Trichlorophenol	3.0	U	3.0	0.86	ug/L		06/11/25 09:54	06/12/25 07:39	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		06/11/25 09:54	06/12/25 07:39	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		06/11/25 09:54	06/12/25 07:39	1
2,4-Dinitrophenol	40	U	40	11	ug/L		06/11/25 09:54	06/12/25 07:39	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		06/11/25 09:54	06/12/25 07:39	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		06/11/25 09:54	06/12/25 07:39	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		06/11/25 09:54	06/12/25 07:39	1
2-Chlorophenol	10	U	10	0.95	ug/L		06/11/25 09:54	06/12/25 07:39	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		06/11/25 09:54	06/12/25 07:39	1
2-Methylphenol	10	U	10	0.67	ug/L		06/11/25 09:54	06/12/25 07:39	1
2-Nitroaniline	10	U	10	1.2	ug/L		06/11/25 09:54	06/12/25 07:39	1
2-Nitrophenol	10	U	10	0.75	ug/L		06/11/25 09:54	06/12/25 07:39	1
3,3'-Dichlorobenzidine	5.2	U	5.2	1.4	ug/L		06/11/25 09:54	06/12/25 07:39	1
3-Nitroaniline	10	U	10	1.9	ug/L		06/11/25 09:54	06/12/25 07:39	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		06/11/25 09:54	06/12/25 07:39	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		06/11/25 09:54	06/12/25 07:39	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		06/11/25 09:54	06/12/25 07:39	1
4-Chloroaniline	5.0	U	5.0	1.9	ug/L		06/11/25 09:54	06/12/25 07:39	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		06/11/25 09:54	06/12/25 07:39	1
4-Methylphenol	10	U	10	0.65	ug/L		06/11/25 09:54	06/12/25 07:39	1
4-Nitroaniline	10	U	10	1.2	ug/L		06/11/25 09:54	06/12/25 07:39	1
4-Nitrophenol	20	U	20	4.0	ug/L		06/11/25 09:54	06/12/25 07:39	1
Acenaphthene	10	U	10	1.1	ug/L		06/11/25 09:54	06/12/25 07:39	1
Acenaphthylene	10	U	10	0.82	ug/L		06/11/25 09:54	06/12/25 07:39	1
Acetophenone	10	U	10	2.3	ug/L		06/11/25 09:54	06/12/25 07:39	1
Anthracene	10	U	10	1.3	ug/L		06/11/25 09:54	06/12/25 07:39	1
Atrazine	2.0	U	2.0	1.3	ug/L		06/11/25 09:54	06/12/25 07:39	1
Benzaldehyde	10	U	10	2.1	ug/L		06/11/25 09:54	06/12/25 07:39	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		06/11/25 09:54	06/12/25 07:39	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		06/11/25 09:54	06/12/25 07:39	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		06/11/25 09:54	06/12/25 07:39	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		06/11/25 09:54	06/12/25 07:39	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		06/11/25 09:54	06/12/25 07:39	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		06/11/25 09:54	06/12/25 07:39	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		06/11/25 09:54	06/12/25 07:39	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		06/11/25 09:54	06/12/25 07:39	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		06/11/25 09:54	06/12/25 07:39	1
Caprolactam	10	U	10	2.2	ug/L		06/11/25 09:54	06/12/25 07:39	1
Carbazole	10	U	10	0.68	ug/L		06/11/25 09:54	06/12/25 07:39	1
Chrysene	2.0	U	2.0	0.91	ug/L		06/11/25 09:54	06/12/25 07:39	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		06/11/25 09:54	06/12/25 07:39	1
Dibenzofuran	10	U	10	1.1	ug/L		06/11/25 09:54	06/12/25 07:39	1
Diethyl phthalate	10	U	10	0.98	ug/L		06/11/25 09:54	06/12/25 07:39	1
Dimethyl phthalate	10	U	10	0.77	ug/L		06/11/25 09:54	06/12/25 07:39	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		06/11/25 09:54	06/12/25 07:39	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		06/11/25 09:54	06/12/25 07:39	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1042793/1-A
Matrix: Water
Analysis Batch: 1043015

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	10	U	10	0.84	ug/L		06/11/25 09:54	06/12/25 07:39	1
Fluorene	10	U	10	0.91	ug/L		06/11/25 09:54	06/12/25 07:39	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		06/11/25 09:54	06/12/25 07:39	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		06/11/25 09:54	06/12/25 07:39	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		06/11/25 09:54	06/12/25 07:39	1
Hexachloroethane	0.80	U	0.80	0.31	ug/L		06/11/25 09:54	06/12/25 07:39	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		06/11/25 09:54	06/12/25 07:39	1
Isophorone	10	U	10	0.80	ug/L		06/11/25 09:54	06/12/25 07:39	1
Naphthalene	2.0	U	2.0	0.54	ug/L		06/11/25 09:54	06/12/25 07:39	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		06/11/25 09:54	06/12/25 07:39	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		06/11/25 09:54	06/12/25 07:39	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		06/11/25 09:54	06/12/25 07:39	1
Pentachlorophenol	20	U	20	6.6	ug/L		06/11/25 09:54	06/12/25 07:39	1
Phenanthrene	10	U	10	1.3	ug/L		06/11/25 09:54	06/12/25 07:39	1
Phenol	10	U	10	0.29	ug/L		06/11/25 09:54	06/12/25 07:39	1
Pyrene	10	U	10	1.6	ug/L		06/11/25 09:54	06/12/25 07:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*24 - 150*	*06/11/25 09:54*	*06/12/25 07:39*	*1*
2-Fluorobiphenyl	*93*		*38 - 139*	*06/11/25 09:54*	*06/12/25 07:39*	*1*
2-Fluorophenol (Surr)	*48*		*10 - 90*	*06/11/25 09:54*	*06/12/25 07:39*	*1*
Nitrobenzene-d5 (Surr)	*96*		*39 - 145*	*06/11/25 09:54*	*06/12/25 07:39*	*1*
Phenol-d5 (Surr)	*30*		*10 - 68*	*06/11/25 09:54*	*06/12/25 07:39*	*1*
Terphenyl-d14 (Surr)	*93*		*10 - 133*	*06/11/25 09:54*	*06/12/25 07:39*	*1*

Lab Sample ID: LCS 460-1042793/2-A
Matrix: Water
Analysis Batch: 1043015

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	80.0	82.5		ug/L		103	56 - 123
1,2,4,5-Tetrachlorobenzene	80.0	78.0		ug/L		97	51 - 127
2,2'-oxybis[1-chloropropane]	80.0	80.6		ug/L		101	47 - 122
2,3,4,6-Tetrachlorophenol	80.0	66.3		ug/L		83	56 - 131
2,4,5-Trichlorophenol	80.0	71.4		ug/L		89	55 - 124
2,4,6-Trichlorophenol	80.0	75.7		ug/L		95	57 - 131
2,4-Dichlorophenol	80.0	67.9		ug/L		85	53 - 120
2,4-Dimethylphenol	80.0	66.3		ug/L		83	60 - 136
2,4-Dinitrophenol	160	119		ug/L		74	50 - 148
2,4-Dinitrotoluene	80.0	73.0		ug/L		91	62 - 142
2,6-Dinitrotoluene	80.0	74.4		ug/L		93	62 - 136
2-Chloronaphthalene	80.0	79.0		ug/L		99	54 - 129
2-Chlorophenol	80.0	62.5		ug/L		78	46 - 103
2-Methylnaphthalene	80.0	73.6		ug/L		92	45 - 110
2-Methylphenol	80.0	54.4		ug/L		68	39 - 95
2-Nitroaniline	80.0	78.8		ug/L		99	49 - 134
2-Nitrophenol	80.0	68.1		ug/L		85	54 - 124
3,3'-Dichlorobenzidine	80.0	68.2		ug/L		85	44 - 136

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1042793/2-A
Matrix: Water
Analysis Batch: 1043015

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Nitroaniline	80.0	57.9		ug/L		72	33 - 120
4,6-Dinitro-2-methylphenol	160	150		ug/L		94	54 - 145
4-Bromophenyl phenyl ether	80.0	84.0		ug/L		105	59 - 132
4-Chloro-3-methylphenol	80.0	62.9		ug/L		79	50 - 120
4-Chloroaniline	80.0	63.6		ug/L		80	26 - 120
4-Chlorophenyl phenyl ether	80.0	74.1		ug/L		93	61 - 127
4-Methylphenol	80.0	50.8		ug/L		63	33 - 89
4-Nitroaniline	80.0	59.4		ug/L		74	49 - 135
4-Nitrophenol	160	50.2		ug/L		31	10 - 78
Acenaphthene	80.0	79.8		ug/L		100	58 - 127
Acenaphthylene	80.0	78.7		ug/L		98	63 - 133
Acetophenone	80.0	78.1		ug/L		98	54 - 125
Anthracene	80.0	83.6		ug/L		104	59 - 127
Atrazine	40.0	94.6	*	ug/L		237	10 - 150
Benzaldehyde	40.0	93.3	*	ug/L		233	16 - 150
Benzo[a]anthracene	80.0	78.1		ug/L		98	58 - 131
Benzo[a]pyrene	80.0	82.9		ug/L		104	63 - 148
Benzo[b]fluoranthene	80.0	86.0		ug/L		107	60 - 140
Benzo[g,h,i]perylene	80.0	106		ug/L		132	52 - 150
Benzo[k]fluoranthene	80.0	82.9		ug/L		104	60 - 140
Bis(2-chloroethoxy)methane	80.0	79.5		ug/L		99	57 - 122
Bis(2-chloroethyl)ether	80.0	83.1		ug/L		104	55 - 125
Bis(2-ethylhexyl) phthalate	80.0	73.5		ug/L		92	57 - 144
Butyl benzyl phthalate	80.0	81.1		ug/L		101	55 - 141
Caprolactam	40.0	15.4		ug/L		39	10 - 66
Carbazole	80.0	80.2		ug/L		100	58 - 132
Chrysene	80.0	74.6		ug/L		93	57 - 132
Dibenz(a,h)anthracene	80.0	90.9		ug/L		114	53 - 150
Dibenzofuran	80.0	76.3		ug/L		95	59 - 125
Diethyl phthalate	80.0	71.9		ug/L		90	56 - 131
Dimethyl phthalate	80.0	74.2		ug/L		93	60 - 129
Di-n-butyl phthalate	80.0	79.6		ug/L		100	55 - 139
Di-n-octyl phthalate	80.0	75.4		ug/L		94	51 - 150
Fluoranthene	80.0	78.0		ug/L		98	59 - 137
Fluorene	80.0	77.3		ug/L		97	61 - 125
Hexachlorobenzene	80.0	83.7		ug/L		105	62 - 135
Hexachlorobutadiene	80.0	66.8		ug/L		84	16 - 147
Hexachlorocyclopentadiene	80.0	69.7		ug/L		87	27 - 150
Hexachloroethane	80.0	63.3		ug/L		79	10 - 138
Indeno[1,2,3-cd]pyrene	80.0	92.1		ug/L		115	54 - 150
Isophorone	80.0	80.2		ug/L		100	58 - 128
Naphthalene	80.0	72.9		ug/L		91	45 - 126
Nitrobenzene	80.0	75.8		ug/L		95	58 - 127
N-Nitrosodi-n-propylamine	80.0	81.6		ug/L		102	53 - 133
N-Nitrosodiphenylamine	80.0	87.0		ug/L		109	57 - 128
Pentachlorophenol	160	145		ug/L		91	54 - 140
Phenanthrene	80.0	82.9		ug/L		104	58 - 126
Phenol	80.0	30.2		ug/L		38	13 - 58
Pyrene	80.0	87.8		ug/L		110	53 - 137

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	68		24 - 150
2-Fluorobiphenyl	87		38 - 139
2-Fluorophenol (Surr)	45		10 - 90
Nitrobenzene-d5 (Surr)	90		39 - 145
Phenol-d5 (Surr)	29		10 - 68
Terphenyl-d14 (Surr)	74		10 - 133

Lab Sample ID: LCSD 460-1042793/3-A
Matrix: Water
Analysis Batch: 1043015

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1042793

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			80.0	80.3		ug/L		100	56 - 123	3	30
1,2,4,5-Tetrachlorobenzene			80.0	76.1		ug/L		95	51 - 127	2	30
2,2'-oxybis[1-chloropropane]			80.0	79.7		ug/L		100	47 - 122	1	30
2,3,4,6-Tetrachlorophenol			80.0	66.2		ug/L		83	56 - 131	0	30
2,4,5-Trichlorophenol			80.0	69.9		ug/L		87	55 - 124	2	30
2,4,6-Trichlorophenol			80.0	74.8		ug/L		93	57 - 131	1	30
2,4-Dichlorophenol			80.0	67.0		ug/L		84	53 - 120	1	30
2,4-Dimethylphenol			80.0	65.1		ug/L		81	60 - 136	2	30
2,4-Dinitrophenol			160	119		ug/L		74	50 - 148	0	30
2,4-Dinitrotoluene			80.0	71.7		ug/L		90	62 - 142	2	30
2,6-Dinitrotoluene			80.0	73.7		ug/L		92	62 - 136	1	30
2-Chloronaphthalene			80.0	77.9		ug/L		97	54 - 129	1	30
2-Chlorophenol			80.0	61.2		ug/L		77	46 - 103	2	30
2-Methylnaphthalene			80.0	72.7		ug/L		91	45 - 110	1	30
2-Methylphenol			80.0	54.0		ug/L		68	39 - 95	1	30
2-Nitroaniline			80.0	79.4		ug/L		99	49 - 134	1	30
2-Nitrophenol			80.0	68.5		ug/L		86	54 - 124	1	30
3,3'-Dichlorobenzidine			80.0	65.7		ug/L		82	44 - 136	4	30
3-Nitroaniline			80.0	57.2		ug/L		72	33 - 120	1	30
4,6-Dinitro-2-methylphenol			160	146		ug/L		91	54 - 145	3	30
4-Bromophenyl phenyl ether			80.0	81.6		ug/L		102	59 - 132	3	30
4-Chloro-3-methylphenol			80.0	62.0		ug/L		77	50 - 120	1	30
4-Chloroaniline			80.0	63.7		ug/L		80	26 - 120	0	30
4-Chlorophenyl phenyl ether			80.0	72.2		ug/L		90	61 - 127	3	30
4-Methylphenol			80.0	50.7		ug/L		63	33 - 89	0	30
4-Nitroaniline			80.0	57.9		ug/L		72	49 - 135	3	30
4-Nitrophenol			160	50.6		ug/L		32	10 - 78	1	30
Acenaphthene			80.0	79.0		ug/L		99	58 - 127	1	30
Acenaphthylene			80.0	77.6		ug/L		97	63 - 133	1	30
Acetophenone			80.0	76.4		ug/L		96	54 - 125	2	30
Anthracene			80.0	81.9		ug/L		102	59 - 127	2	30
Atrazine			40.0	93.5	*	ug/L		234	10 - 150	1	30
Benzaldehyde			40.0	91.3	*	ug/L		228	16 - 150	2	30
Benzo[a]anthracene			80.0	75.4		ug/L		94	58 - 131	4	30
Benzo[a]pyrene			80.0	80.8		ug/L		101	63 - 148	3	30
Benzo[b]fluoranthene			80.0	80.1		ug/L		100	60 - 140	7	30
Benzo[g,h,i]perylene			80.0	103		ug/L		128	52 - 150	3	30
Benzo[k]fluoranthene			80.0	81.7		ug/L		102	60 - 140	1	30
Bis(2-chloroethoxy)methane			80.0	78.5		ug/L		98	57 - 122	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1042793/3-A
Matrix: Water
Analysis Batch: 1043015

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1042793

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-chloroethyl)ether			80.0	80.8		ug/L		101	55 - 125	3	30
Bis(2-ethylhexyl) phthalate			80.0	70.9		ug/L		89	57 - 144	4	30
Butyl benzyl phthalate			80.0	79.0		ug/L		99	55 - 141	3	30
Caprolactam			40.0	16.9		ug/L		42	10 - 66	9	30
Carbazole			80.0	78.3		ug/L		98	58 - 132	2	30
Chrysene			80.0	73.1		ug/L		91	57 - 132	2	30
Dibenz(a,h)anthracene			80.0	87.9		ug/L		110	53 - 150	3	30
Dibenzofuran			80.0	74.9		ug/L		94	59 - 125	2	30
Diethyl phthalate			80.0	70.0		ug/L		88	56 - 131	3	30
Dimethyl phthalate			80.0	73.2		ug/L		92	60 - 129	1	30
Di-n-butyl phthalate			80.0	78.2		ug/L		98	55 - 139	2	30
Di-n-octyl phthalate			80.0	72.0		ug/L		90	51 - 150	4	30
Fluoranthene			80.0	75.0		ug/L		94	59 - 137	4	30
Fluorene			80.0	75.3		ug/L		94	61 - 125	3	30
Hexachlorobenzene			80.0	80.1		ug/L		100	62 - 135	4	30
Hexachlorobutadiene			80.0	63.8		ug/L		80	16 - 147	5	30
Hexachlorocyclopentadiene			80.0	67.6		ug/L		85	27 - 150	3	30
Hexachloroethane			80.0	59.6		ug/L		75	10 - 138	6	30
Indeno[1,2,3-cd]pyrene			80.0	90.1		ug/L		113	54 - 150	2	30
Isophorone			80.0	78.9		ug/L		99	58 - 128	2	30
Naphthalene			80.0	71.0		ug/L		89	45 - 126	3	30
Nitrobenzene			80.0	74.8		ug/L		94	58 - 127	1	30
N-Nitrosodi-n-propylamine			80.0	80.4		ug/L		101	53 - 133	1	30
N-Nitrosodiphenylamine			80.0	86.4		ug/L		108	57 - 128	1	30
Pentachlorophenol			160	139		ug/L		87	54 - 140	5	30
Phenanthrene			80.0	81.3		ug/L		102	58 - 126	2	30
Phenol			80.0	30.5		ug/L		38	13 - 58	1	30
Pyrene			80.0	83.8		ug/L		105	53 - 137	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*66*		*24 - 150*
2-Fluorobiphenyl	*87*		*38 - 139*
2-Fluorophenol (Surr)	*45*		*10 - 90*
Nitrobenzene-d5 (Surr)	*89*		*39 - 145*
Phenol-d5 (Surr)	*29*		*10 - 68*
Terphenyl-d14 (Surr)	*54*		*10 - 133*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 460-1042731/1-A
Matrix: Water
Analysis Batch: 1042707

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042731

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		06/11/25 07:07	06/11/25 09:36	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*33*		*10 - 150*	*06/11/25 07:07*	*06/11/25 09:36*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: LCS 460-1042731/2-A
Matrix: Water
Analysis Batch: 1042707

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042731

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			1.60	1.67		ug/L		104	49 - 142		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*36*		*10 - 150*

Lab Sample ID: LCSD 460-1042731/3-A
Matrix: Water
Analysis Batch: 1042707

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1042731

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			1.60	1.67		ug/L		104	49 - 142	0	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Dioxane-d8	*32*		*10 - 150*

Lab Sample ID: 460-328000-I-2-A MS
Matrix: Water
Analysis Batch: 1042991

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1042731

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane	0.20	U	1.60	1.67		ug/L		104	49 - 142		

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Dioxane-d8	*50*		*10 - 150*

Lab Sample ID: 460-328000-M-2-A MSD
Matrix: Water
Analysis Batch: 1042991

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1042731

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	0.20	U	1.60	1.70		ug/L		106	49 - 142	2	20

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Dioxane-d8	*36*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-1042958/1-A
Matrix: Water
Analysis Batch: 1042975

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042958

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		06/11/25 21:19	06/12/25 05:12	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		06/11/25 21:19	06/12/25 05:12	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		06/11/25 21:19	06/12/25 05:12	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		06/11/25 21:19	06/12/25 05:12	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:12	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:12	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-1042958/1-A
Matrix: Water
Analysis Batch: 1042975

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042958

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.020	U	0.020	0.0030	ug/L		06/11/25 21:19	06/12/25 05:12	1
Aldrin	0.020	U	0.020	0.0030	ug/L		06/11/25 21:19	06/12/25 05:12	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		06/11/25 21:19	06/12/25 05:12	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		06/11/25 21:19	06/12/25 05:12	1
beta-BHC	0.020	U	0.020	0.015	ug/L		06/11/25 21:19	06/12/25 05:12	1
beta-BHC	0.020	U	0.020	0.015	ug/L		06/11/25 21:19	06/12/25 05:12	1
Chlordane (technical)	0.20	U	0.20	0.055	ug/L		06/11/25 21:19	06/12/25 05:12	1
Chlordane (technical)	0.20	U	0.20	0.055	ug/L		06/11/25 21:19	06/12/25 05:12	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		06/11/25 21:19	06/12/25 05:12	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		06/11/25 21:19	06/12/25 05:12	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		06/11/25 21:19	06/12/25 05:12	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		06/11/25 21:19	06/12/25 05:12	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		06/11/25 21:19	06/12/25 05:12	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		06/11/25 21:19	06/12/25 05:12	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:12	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:12	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		06/11/25 21:19	06/12/25 05:12	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		06/11/25 21:19	06/12/25 05:12	1
Endrin	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:12	1
Endrin	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:12	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		06/11/25 21:19	06/12/25 05:12	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		06/11/25 21:19	06/12/25 05:12	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		06/11/25 21:19	06/12/25 05:12	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		06/11/25 21:19	06/12/25 05:12	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		06/11/25 21:19	06/12/25 05:12	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		06/11/25 21:19	06/12/25 05:12	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		06/11/25 21:19	06/12/25 05:12	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		06/11/25 21:19	06/12/25 05:12	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		06/11/25 21:19	06/12/25 05:12	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		06/11/25 21:19	06/12/25 05:12	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:12	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		06/11/25 21:19	06/12/25 05:12	1
Toxaphene	0.50	U	0.50	0.11	ug/L		06/11/25 21:19	06/12/25 05:12	1
Toxaphene	0.50	U	0.50	0.11	ug/L		06/11/25 21:19	06/12/25 05:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*10 - 131*	*06/11/25 21:19*	*06/12/25 05:12*	*1*
DCB Decachlorobiphenyl	*70*		*10 - 131*	*06/11/25 21:19*	*06/12/25 05:12*	*1*
Tetrachloro-m-xylene	*71*		*31 - 120*	*06/11/25 21:19*	*06/12/25 05:12*	*1*
Tetrachloro-m-xylene	*71*		*31 - 120*	*06/11/25 21:19*	*06/12/25 05:12*	*1*

Lab Sample ID: LCS 460-1042958/2-A
Matrix: Water
Analysis Batch: 1042975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042958

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.800	0.705		ug/L		88	60 - 138
4,4'-DDD	0.800	0.774		ug/L		97	60 - 138

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-1042958/2-A
Matrix: Water
Analysis Batch: 1042975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042958

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDE	0.800	0.726		ug/L		91	61 - 150
4,4'-DDE	0.800	0.779		ug/L		97	61 - 150
4,4'-DDT	0.800	0.817		ug/L		102	57 - 150
4,4'-DDT	0.800	0.840		ug/L		105	57 - 150
Aldrin	0.800	0.701		ug/L		88	57 - 147
Aldrin	0.800	0.754		ug/L		94	57 - 147
alpha-BHC	0.800	0.742		ug/L		93	57 - 150
alpha-BHC	0.800	0.771		ug/L		96	57 - 150
beta-BHC	0.800	0.718		ug/L		90	56 - 147
beta-BHC	0.800	0.773		ug/L		97	56 - 147
delta-BHC	0.800	0.757		ug/L		95	38 - 150
delta-BHC	0.800	0.804		ug/L		101	38 - 150
Dieldrin	0.800	0.715		ug/L		89	61 - 148
Dieldrin	0.800	0.780		ug/L		97	61 - 148
Endosulfan I	0.800	0.743		ug/L		93	60 - 150
Endosulfan I	0.800	0.771		ug/L		96	60 - 150
Endosulfan II	0.800	0.744		ug/L		93	63 - 150
Endosulfan II	0.800	0.812		ug/L		101	63 - 150
Endosulfan sulfate	0.800	0.708		ug/L		88	50 - 145
Endosulfan sulfate	0.800	0.751		ug/L		94	50 - 145
Endrin	0.800	0.743		ug/L		93	55 - 138
Endrin	0.800	0.812		ug/L		101	55 - 138
Endrin aldehyde	0.800	0.652		ug/L		81	60 - 133
Endrin aldehyde	0.800	0.693		ug/L		87	60 - 133
Endrin ketone	0.800	0.686		ug/L		86	56 - 150
Endrin ketone	0.800	0.742		ug/L		93	56 - 150
gamma-BHC (Lindane)	0.800	0.736		ug/L		92	59 - 150
gamma-BHC (Lindane)	0.800	0.780		ug/L		97	59 - 150
Heptachlor	0.800	0.793		ug/L		99	56 - 150
Heptachlor	0.800	0.832		ug/L		104	56 - 150
Heptachlor epoxide	0.800	0.734		ug/L		92	61 - 148
Heptachlor epoxide	0.800	0.794		ug/L		99	61 - 148
Methoxychlor	0.800	0.813		ug/L		102	58 - 150
Methoxychlor	0.800	0.862		ug/L		108	58 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*62*		*10 - 131*
DCB Decachlorobiphenyl	*67*		*10 - 131*
Tetrachloro-m-xylene	*69*		*31 - 120*
Tetrachloro-m-xylene	*72*		*31 - 120*

Lab Sample ID: LCSD 460-1042958/3-A
Matrix: Water
Analysis Batch: 1042975

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1042958

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.800	0.686		ug/L		86	60 - 138	3	30
4,4'-DDD	0.800	0.758		ug/L		95	60 - 138	2	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-1042958/3-A
Matrix: Water
Analysis Batch: 1042975

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1042958

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDE			0.800	0.707		ug/L		88	61 - 150	3	30
4,4'-DDE			0.800	0.764		ug/L		95	61 - 150	2	30
4,4'-DDT			0.800	0.797		ug/L		100	57 - 150	2	30
4,4'-DDT			0.800	0.822		ug/L		103	57 - 150	2	30
Aldrin			0.800	0.692		ug/L		86	57 - 147	1	30
Aldrin			0.800	0.748		ug/L		93	57 - 147	1	30
alpha-BHC			0.800	0.732		ug/L		92	57 - 150	1	30
alpha-BHC			0.800	0.763		ug/L		95	57 - 150	1	30
beta-BHC			0.800	0.712		ug/L		89	56 - 147	1	30
beta-BHC			0.800	0.765		ug/L		96	56 - 147	1	30
delta-BHC			0.800	0.749		ug/L		94	38 - 150	1	30
delta-BHC			0.800	0.795		ug/L		99	38 - 150	1	30
Dieldrin			0.800	0.696		ug/L		87	61 - 148	3	30
Dieldrin			0.800	0.764		ug/L		95	61 - 148	2	30
Endosulfan I			0.800	0.723		ug/L		90	60 - 150	3	30
Endosulfan I			0.800	0.754		ug/L		94	60 - 150	2	30
Endosulfan II			0.800	0.725		ug/L		91	63 - 150	3	30
Endosulfan II			0.800	0.795		ug/L		99	63 - 150	2	30
Endosulfan sulfate			0.800	0.690		ug/L		86	50 - 145	3	30
Endosulfan sulfate			0.800	0.737		ug/L		92	50 - 145	2	30
Endrin			0.800	0.722		ug/L		90	55 - 138	3	30
Endrin			0.800	0.792		ug/L		99	55 - 138	3	30
Endrin aldehyde			0.800	0.636		ug/L		79	60 - 133	2	30
Endrin aldehyde			0.800	0.680		ug/L		85	60 - 133	2	30
Endrin ketone			0.800	0.669		ug/L		84	56 - 150	2	30
Endrin ketone			0.800	0.729		ug/L		91	56 - 150	2	30
gamma-BHC (Lindane)			0.800	0.728		ug/L		91	59 - 150	1	30
gamma-BHC (Lindane)			0.800	0.772		ug/L		97	59 - 150	1	30
Heptachlor			0.800	0.788		ug/L		98	56 - 150	1	30
Heptachlor			0.800	0.825		ug/L		103	56 - 150	1	30
Heptachlor epoxide			0.800	0.718		ug/L		90	61 - 148	2	30
Heptachlor epoxide			0.800	0.781		ug/L		98	61 - 148	2	30
Methoxychlor			0.800	0.793		ug/L		99	58 - 150	3	30
Methoxychlor			0.800	0.844		ug/L		106	58 - 150	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*61*		*10 - 131*
DCB Decachlorobiphenyl	*66*		*10 - 131*
Tetrachloro-m-xylene	*67*		*31 - 120*
Tetrachloro-m-xylene	*70*		*31 - 120*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-1042957/1-A
Matrix: Water
Analysis Batch: 1042881

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042957

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 08:45	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-1042957/1-A
Matrix: Water
Analysis Batch: 1042881

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1042957

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 08:45	1
Aroclor 1221	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 08:45	1
Aroclor 1221	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 08:45	1
Aroclor 1232	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 08:45	1
Aroclor 1232	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 08:45	1
Aroclor 1242	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 08:45	1
Aroclor 1242	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 08:45	1
Aroclor 1248	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 08:45	1
Aroclor 1248	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 08:45	1
Aroclor 1254	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 08:45	1
Aroclor 1254	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 08:45	1
Aroclor 1260	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 08:45	1
Aroclor 1260	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 08:45	1
Aroclor-1262	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 08:45	1
Aroclor-1262	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 08:45	1
Aroclor 1268	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 08:45	1
Aroclor 1268	0.20	U	0.20	0.11	ug/L		06/11/25 21:13	06/12/25 08:45	1
Polychlorinated biphenyls, Total	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 08:45	1
Polychlorinated biphenyls, Total	0.20	U	0.20	0.12	ug/L		06/11/25 21:13	06/12/25 08:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*10 - 127*	*06/11/25 21:13*	*06/12/25 08:45*	*1*
DCB Decachlorobiphenyl	*84*		*10 - 127*	*06/11/25 21:13*	*06/12/25 08:45*	*1*
Tetrachloro-m-xylene	*77*		*21 - 139*	*06/11/25 21:13*	*06/12/25 08:45*	*1*
Tetrachloro-m-xylene	*88*		*21 - 139*	*06/11/25 21:13*	*06/12/25 08:45*	*1*

Lab Sample ID: LCS 460-1042957/2-A
Matrix: Water
Analysis Batch: 1042881

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1042957

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016			4.00	3.27		ug/L		82	52 - 139		
Aroclor 1016			4.00	3.23		ug/L		81	52 - 139		
Aroclor 1260			4.00	3.32		ug/L		83	51 - 150		
Aroclor 1260			4.00	3.37		ug/L		84	51 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*77*		*10 - 127*
DCB Decachlorobiphenyl	*83*		*10 - 127*
Tetrachloro-m-xylene	*74*		*21 - 139*
Tetrachloro-m-xylene	*86*		*21 - 139*

Lab Sample ID: LCSD 460-1042957/3-A
Matrix: Water
Analysis Batch: 1042881

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1042957

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			4.00	3.21		ug/L		80	52 - 139	2	30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-1042957/3-A
Matrix: Water
Analysis Batch: 1042881

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1042957

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			4.00	3.24		ug/L		81	52 - 139	0	30
Aroclor 1260			4.00	3.27		ug/L		82	51 - 150	1	30
Aroclor 1260			4.00	3.54		ug/L		89	51 - 150	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*75*		*10 - 127*
DCB Decachlorobiphenyl	*82*		*10 - 127*
Tetrachloro-m-xylene	*74*		*21 - 139*
Tetrachloro-m-xylene	*85*		*21 - 139*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1042754/1-A
Matrix: Water
Analysis Batch: 1042838

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 1042754

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		06/11/25 08:34	06/12/25 02:27	1
Antimony	2.0	U	2.0	0.48	ug/L		06/11/25 08:34	06/12/25 02:27	1
Arsenic	2.0	U	2.0	1.2	ug/L		06/11/25 08:34	06/12/25 02:27	1
Barium	4.0	U	4.0	0.93	ug/L		06/11/25 08:34	06/12/25 02:27	1
Beryllium	0.80	U	0.80	0.12	ug/L		06/11/25 08:34	06/12/25 02:27	1
Cadmium	0.92	U	0.92	0.26	ug/L		06/11/25 08:34	06/12/25 02:27	1
Calcium	500	U	500	31.7	ug/L		06/11/25 08:34	06/12/25 02:27	1
Chromium	4.0	U	4.0	1.7	ug/L		06/11/25 08:34	06/12/25 02:27	1
Cobalt	2.0	U	2.0	0.18	ug/L		06/11/25 08:34	06/12/25 02:27	1
Copper	4.0	U	4.0	2.0	ug/L		06/11/25 08:34	06/12/25 02:27	1
Iron	120	U	120	33.7	ug/L		06/11/25 08:34	06/12/25 02:27	1
Lead	1.2	U	1.2	0.42	ug/L		06/11/25 08:34	06/12/25 02:27	1
Magnesium	200	U	200	21.8	ug/L		06/11/25 08:34	06/12/25 02:27	1
Manganese	8.0	U	8.0	0.84	ug/L		06/11/25 08:34	06/12/25 02:27	1
Nickel	4.0	U	4.0	1.4	ug/L		06/11/25 08:34	06/12/25 02:27	1
Potassium	200	U	200	114	ug/L		06/11/25 08:34	06/12/25 02:27	1
Selenium	0.606	J	2.5	0.43	ug/L		06/11/25 08:34	06/12/25 02:27	1
Silver	2.0	U	2.0	1.3	ug/L		06/11/25 08:34	06/12/25 02:27	1
Sodium	500	U	500	180	ug/L		06/11/25 08:34	06/12/25 02:27	1
Thallium	0.50	U	0.50	0.16	ug/L		06/11/25 08:34	06/12/25 02:27	1
Vanadium	4.0	U	4.0	1.0	ug/L		06/11/25 08:34	06/12/25 02:27	1
Zinc	16.0	U	16.0	4.2	ug/L		06/11/25 08:34	06/12/25 02:27	1

Lab Sample ID: LCS 460-1042754/2-A
Matrix: Water
Analysis Batch: 1042838

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 1042754

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum			2500	2763		ug/L		111	80 - 120
Antimony			25.0	23.96		ug/L		96	80 - 120
Arsenic			50.0	50.39		ug/L		101	80 - 120
Barium			50.0	47.30		ug/L		95	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 460-1042754/2-A
Matrix: Water
Analysis Batch: 1042838

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 1042754

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	25.0	22.41		ug/L		90	80 - 120
Cadmium	25.0	23.89		ug/L		96	80 - 120
Calcium	2500	2449		ug/L		98	80 - 120
Chromium	50.0	52.77		ug/L		106	80 - 120
Cobalt	25.0	26.76		ug/L		107	80 - 120
Copper	50.0	55.30		ug/L		111	80 - 120
Iron	2500	2380		ug/L		95	80 - 120
Lead	25.0	24.09		ug/L		96	80 - 120
Magnesium	2500	2731		ug/L		109	80 - 120
Manganese	250	258.7		ug/L		103	80 - 120
Nickel	50.0	54.27		ug/L		109	80 - 120
Potassium	2500	2402		ug/L		96	80 - 120
Selenium	50.0	48.34		ug/L		97	80 - 120
Silver	25.0	23.76		ug/L		95	80 - 120
Sodium	2500	2645		ug/L		106	80 - 120
Thallium	20.0	20.19		ug/L		101	80 - 120
Vanadium	50.0	52.24		ug/L		104	80 - 120
Zinc	250	260.0		ug/L		104	80 - 120

Lab Sample ID: 460-327215-Q-2-F MS
Matrix: Water
Analysis Batch: 1042838

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 1042754

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	41.3		2500	2836		ug/L		112	75 - 125
Antimony	2.0	U	25.0	23.92		ug/L		96	75 - 125
Arsenic	2.0	U	50.0	48.80		ug/L		98	75 - 125
Barium	31.3		50.0	79.58		ug/L		96	75 - 125
Beryllium	0.80	U	25.0	23.34		ug/L		93	75 - 125
Cadmium	0.92	U	25.0	23.65		ug/L		95	75 - 125
Calcium	42900		2500	45050	4	ug/L		85	75 - 125
Chromium	4.0	U	50.0	52.26		ug/L		105	75 - 125
Cobalt	2.0	U	25.0	25.88		ug/L		104	75 - 125
Copper	3.0	J	50.0	56.06		ug/L		106	75 - 125
Iron	48.4	J	2500	2369		ug/L		93	75 - 125
Lead	1.2	U	25.0	24.61		ug/L		98	75 - 125
Magnesium	27200		2500	29960	4	ug/L		111	75 - 125
Manganese	1.6	J	250	250.8		ug/L		100	75 - 125
Nickel	4.0	U	50.0	52.40		ug/L		105	75 - 125
Potassium	2200		2500	4660		ug/L		98	75 - 125
Selenium	1.1	J B	50.0	46.29		ug/L		90	75 - 125
Silver	2.0	U	25.0	23.42		ug/L		94	75 - 125
Sodium	40900		2500	43790	4	ug/L		116	75 - 125
Thallium	0.50	U	20.0	20.08		ug/L		100	75 - 125
Vanadium	4.0	U	50.0	51.62		ug/L		103	75 - 125
Zinc	8.7	J	250	261.2		ug/L		101	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-327215-Q-2-G MSD
Matrix: Water
Analysis Batch: 1042838

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 1042754

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	41.3		2500	2801		ug/L		110	75 - 125	1	20
Antimony	2.0	U	25.0	24.19		ug/L		97	75 - 125	1	20
Arsenic	2.0	U	50.0	49.95		ug/L		100	75 - 125	2	20
Barium	31.3		50.0	79.96		ug/L		97	75 - 125	0	20
Beryllium	0.80	U	25.0	23.35		ug/L		93	75 - 125	0	20
Cadmium	0.92	U	25.0	23.65		ug/L		95	75 - 125	0	20
Calcium	42900		2500	46810	4	ug/L		156	75 - 125	4	20
Chromium	4.0	U	50.0	52.68		ug/L		105	75 - 125	1	20
Cobalt	2.0	U	25.0	25.81		ug/L		103	75 - 125	0	20
Copper	3.0	J	50.0	55.92		ug/L		106	75 - 125	0	20
Iron	48.4	J	2500	2395		ug/L		94	75 - 125	1	20
Lead	1.2	U	25.0	24.73		ug/L		99	75 - 125	0	20
Magnesium	27200		2500	29470	4	ug/L		92	75 - 125	2	20
Manganese	1.6	J	250	252.6		ug/L		100	75 - 125	1	20
Nickel	4.0	U	50.0	52.14		ug/L		104	75 - 125	1	20
Potassium	2200		2500	4649		ug/L		98	75 - 125	0	20
Selenium	1.1	J B	50.0	48.61		ug/L		95	75 - 125	5	20
Silver	2.0	U	25.0	23.36		ug/L		93	75 - 125	0	20
Sodium	40900		2500	42810	4	ug/L		77	75 - 125	2	20
Thallium	0.50	U	20.0	20.17		ug/L		101	75 - 125	0	20
Vanadium	4.0	U	50.0	52.00		ug/L		104	75 - 125	1	20
Zinc	8.7	J	250	261.8		ug/L		101	75 - 125	0	20

Lab Sample ID: 460-327215-Q-2-E DU
Matrix: Water
Analysis Batch: 1042838

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 1042754

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	41.3		74.52		ug/L		57	20
Antimony	2.0	U	2.0	U	ug/L		NC	20
Arsenic	2.0	U	2.0	U	ug/L		NC	20
Barium	31.3		31.55		ug/L		0.7	20
Beryllium	0.80	U	0.80	U	ug/L		NC	20
Cadmium	0.92	U	0.92	U	ug/L		NC	20
Calcium	42900		43150		ug/L		0.5	20
Chromium	4.0	U	4.0	U	ug/L		NC	20
Cobalt	2.0	U	2.0	U	ug/L		NC	20
Copper	3.0	J	3.16	J	ug/L		4	20
Iron	48.4	J	47.08	J	ug/L		3	20
Lead	1.2	U	1.2	U	ug/L		NC	20
Magnesium	27200		27430		ug/L		0.9	20
Manganese	1.6	J	1.64	J	ug/L		3	20
Nickel	4.0	U	4.0	U	ug/L		NC	20
Potassium	2200		2226		ug/L		1	20
Selenium	1.1	J B	1.22	J	ug/L		15	20
Silver	2.0	U	2.0	U	ug/L		NC	20
Sodium	40900		41210		ug/L		0.8	20
Thallium	0.50	U	0.50	U	ug/L		NC	20
Vanadium	4.0	U	4.0	U	ug/L		NC	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-327215-Q-2-E DU
Matrix: Water
Analysis Batch: 1042838

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 1042754

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Zinc	8.7	J		8.49	J	ug/L				3	20

Lab Sample ID: LCS 460-1042963/23-A
Matrix: Water
Analysis Batch: 1042838

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 1042963

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aluminum			2500	2667		ug/L		107	80 - 120		
Antimony			25.0	23.45		ug/L		94	80 - 120		
Arsenic			50.0	49.53		ug/L		99	80 - 120		
Barium			50.0	46.70		ug/L		93	80 - 120		
Beryllium			25.0	23.29		ug/L		93	80 - 120		
Cadmium			25.0	22.88		ug/L		92	80 - 120		
Calcium			2500	2404		ug/L		96	80 - 120		
Chromium			50.0	50.69		ug/L		101	80 - 120		
Cobalt			25.0	25.79		ug/L		103	80 - 120		
Copper			50.0	53.11		ug/L		106	80 - 120		
Iron			2500	2387		ug/L		95	80 - 120		
Lead			25.0	23.41		ug/L		94	80 - 120		
Magnesium			2500	2593		ug/L		104	80 - 120		
Manganese			250	252.6		ug/L		101	80 - 120		
Nickel			50.0	52.47		ug/L		105	80 - 120		
Potassium			2500	2353		ug/L		94	80 - 120		
Selenium			50.0	47.49		ug/L		95	80 - 120		
Silver			25.0	24.34		ug/L		97	80 - 120		
Sodium			2500	2502		ug/L		100	80 - 120		
Thallium			20.0	19.63		ug/L		98	80 - 120		
Vanadium			50.0	51.63		ug/L		103	80 - 120		
Zinc			250	248.1		ug/L		99	80 - 120		

Lab Sample ID: MB 460-1042961/1-B
Matrix: Water
Analysis Batch: 1042838

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 1042963

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		06/11/25 23:14	06/12/25 00:49	1
Antimony	2.0	U	2.0	0.48	ug/L		06/11/25 23:14	06/12/25 00:49	1
Arsenic	2.0	U	2.0	1.2	ug/L		06/11/25 23:14	06/12/25 00:49	1
Barium	4.0	U	4.0	0.93	ug/L		06/11/25 23:14	06/12/25 00:49	1
Beryllium	0.80	U	0.80	0.12	ug/L		06/11/25 23:14	06/12/25 00:49	1
Cadmium	0.92	U	0.92	0.26	ug/L		06/11/25 23:14	06/12/25 00:49	1
Calcium	500	U	500	31.7	ug/L		06/11/25 23:14	06/12/25 00:49	1
Chromium	4.0	U	4.0	1.7	ug/L		06/11/25 23:14	06/12/25 00:49	1
Cobalt	2.0	U	2.0	0.18	ug/L		06/11/25 23:14	06/12/25 00:49	1
Copper	4.0	U	4.0	2.0	ug/L		06/11/25 23:14	06/12/25 00:49	1
Iron	120	U	120	33.7	ug/L		06/11/25 23:14	06/12/25 00:49	1
Lead	1.2	U	1.2	0.42	ug/L		06/11/25 23:14	06/12/25 00:49	1
Magnesium	200	U	200	21.8	ug/L		06/11/25 23:14	06/12/25 00:49	1
Manganese	8.0	U	8.0	0.84	ug/L		06/11/25 23:14	06/12/25 00:49	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-1042961/1-B
Matrix: Water
Analysis Batch: 1042838

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 1042963

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	4.0	U	4.0	1.4	ug/L		06/11/25 23:14	06/12/25 00:49	1
Potassium	200	U	200	114	ug/L		06/11/25 23:14	06/12/25 00:49	1
Selenium	2.5	U	2.5	0.43	ug/L		06/11/25 23:14	06/12/25 00:49	1
Silver	2.0	U	2.0	1.3	ug/L		06/11/25 23:14	06/12/25 00:49	1
Sodium	500	U	500	180	ug/L		06/11/25 23:14	06/12/25 00:49	1
Thallium	0.50	U	0.50	0.16	ug/L		06/11/25 23:14	06/12/25 00:49	1
Vanadium	4.0	U	4.0	1.0	ug/L		06/11/25 23:14	06/12/25 00:49	1
Zinc	16.0	U	16.0	4.2	ug/L		06/11/25 23:14	06/12/25 00:49	1

Lab Sample ID: 460-328000-F-2-G MS
Matrix: Water
Analysis Batch: 1042838

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 1042963

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	40.0	U	2500	2413		ug/L		97	75 - 125
Antimony	2.0	U	25.0	21.73		ug/L		87	75 - 125
Arsenic	4.9		50.0	55.57		ug/L		101	75 - 125
Barium	50.0		50.0	96.53		ug/L		93	75 - 125
Beryllium	0.80	U	25.0	23.14		ug/L		93	75 - 125
Cadmium	0.92	U	25.0	21.00		ug/L		84	75 - 125
Calcium	89300		2500	91600	4	ug/L		93	75 - 125
Chromium	4.0	U	50.0	49.33		ug/L		99	75 - 125
Cobalt	0.42	J	25.0	25.80		ug/L		102	75 - 125
Copper	4.0	U	50.0	43.06		ug/L		86	75 - 125
Iron	67.1	J	2500	2303		ug/L		89	75 - 125
Lead	1.2	U	25.0	21.90		ug/L		88	75 - 125
Magnesium	12900		2500	15500	4	ug/L		104	75 - 125
Manganese	306		250	555.1		ug/L		100	75 - 125
Nickel	4.0	U	50.0	50.10		ug/L		100	75 - 125
Potassium	15100		2500	17410	4	ug/L		92	75 - 125
Selenium	2.5	U	50.0	50.04		ug/L		100	75 - 125
Silver	2.0	U	25.0	23.38		ug/L		94	75 - 125
Sodium	59400		2500	61430	4	ug/L		82	75 - 125
Thallium	0.50	U	20.0	19.71		ug/L		99	75 - 125
Vanadium	4.0	U	50.0	49.41		ug/L		99	75 - 125
Zinc	7.6	J	250	262.4		ug/L		102	75 - 125

Lab Sample ID: 460-328000-F-2-H MSD
Matrix: Water
Analysis Batch: 1042838

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 1042963

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	40.0	U	2500	2234		ug/L		89	75 - 125	8	20
Antimony	2.0	U	25.0	21.29		ug/L		85	75 - 125	2	20
Arsenic	4.9		50.0	53.05		ug/L		96	75 - 125	5	20
Barium	50.0		50.0	94.19		ug/L		88	75 - 125	2	20
Beryllium	0.80	U	25.0	21.51		ug/L		86	75 - 125	7	20
Cadmium	0.92	U	25.0	20.43		ug/L		82	75 - 125	3	20
Calcium	89300		2500	93120	4	ug/L		154	75 - 125	2	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-328000-F-2-H MSD
Matrix: Water
Analysis Batch: 1042838

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 1042963

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	4.0	U	50.0	46.53		ug/L		93	75 - 125	6	20
Cobalt	0.42	J	25.0	24.65		ug/L		97	75 - 125	5	20
Copper	4.0	U	50.0	42.02		ug/L		84	75 - 125	2	20
Iron	67.1	J	2500	2216		ug/L		86	75 - 125	4	20
Lead	1.2	U	25.0	21.22		ug/L		85	75 - 125	3	20
Magnesium	12900		2500	15290	4	ug/L		95	75 - 125	1	20
Manganese	306		250	546.2		ug/L		96	75 - 125	2	20
Nickel	4.0	U	50.0	48.56		ug/L		97	75 - 125	3	20
Potassium	15100		2500	17270	4	ug/L		86	75 - 125	1	20
Selenium	2.5	U	50.0	48.52		ug/L		97	75 - 125	3	20
Silver	2.0	U	25.0	22.73		ug/L		91	75 - 125	3	20
Sodium	59400		2500	60520	4	ug/L		46	75 - 125	1	20
Thallium	0.50	U	20.0	19.04		ug/L		95	75 - 125	3	20
Vanadium	4.0	U	50.0	46.85		ug/L		94	75 - 125	5	20
Zinc	7.6	J	250	280.2		ug/L		109	75 - 125	7	20

Lab Sample ID: 460-328000-F-2-F DU
Matrix: Water
Analysis Batch: 1042838

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 1042963

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Aluminum	40.0	U		40.0	U	ug/L				NC	20
Antimony	2.0	U		2.0	U	ug/L				NC	20
Arsenic	4.9			4.83		ug/L				0.6	20
Barium	50.0			48.73		ug/L				3	20
Beryllium	0.80	U		0.80	U	ug/L				NC	20
Cadmium	0.92	U		0.92	U	ug/L				NC	20
Calcium	89300			89810		ug/L				0.6	20
Chromium	4.0	U		4.0	U	ug/L				NC	20
Cobalt	0.42	J		0.407	J	ug/L				3	20
Copper	4.0	U		4.0	U	ug/L				NC	20
Iron	67.1	J		41.09	J	ug/L				48	20
Lead	1.2	U		1.2	U	ug/L				NC	20
Magnesium	12900			12800		ug/L				0.8	20
Manganese	306			303.8		ug/L				0.7	20
Nickel	4.0	U		4.0	U	ug/L				NC	20
Potassium	15100			14870		ug/L				2	20
Selenium	2.5	U		2.5	U	ug/L				NC	20
Silver	2.0	U		2.0	U	ug/L				NC	20
Sodium	59400			58660		ug/L				1	20
Thallium	0.50	U		0.50	U	ug/L				NC	20
Vanadium	4.0	U		4.0	U	ug/L				NC	20
Zinc	7.6	J		16.0	U	ug/L				NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LCS 460-1043119/3-A
Matrix: Water
Analysis Batch: 1043235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1043119

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.999		ug/L		100	80 - 120

Lab Sample ID: MB 460-1043933/1-A
Matrix: Water
Analysis Batch: 1044061

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1043933

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		06/16/25 10:28	06/16/25 16:48	1

Lab Sample ID: LCS 460-1043933/2-A
Matrix: Water
Analysis Batch: 1044061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1043933

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.01		ug/L		101	80 - 120

Lab Sample ID: 460-328065-E-1-C MS
Matrix: Water
Analysis Batch: 1044061

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1043933

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	1.00		ug/L		100	75 - 125

Lab Sample ID: 460-328065-E-1-D MSD
Matrix: Water
Analysis Batch: 1044061

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1043933

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	1.01		ug/L		101	75 - 125	0	20

Lab Sample ID: 460-328065-E-1-B DU
Matrix: Water
Analysis Batch: 1044061

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1043933

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Lab Sample ID: MB 460-1043111/1-B
Matrix: Water
Analysis Batch: 1043235

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 1043119

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		06/12/25 11:36	06/12/25 17:40	1

Lab Sample ID: 460-327279-K-1-I MS
Matrix: Water
Analysis Batch: 1043235

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 1043119

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	1.01		ug/L		101	75 - 125

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327908-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 460-327279-K-1-J MSD
Matrix: Water
Analysis Batch: 1043235

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 1043119

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	1.01		ug/L		101	75 - 125	0	20

Lab Sample ID: 460-327279-K-1-H DU
Matrix: Water
Analysis Batch: 1043235

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 1043119

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.20	U		0.20	U	ug/L				NC	20

GC/MS VOA

Analysis Batch: 1042970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Total/NA	Water	8260D	
460-327908-2	TW-2	Total/NA	Water	8260D	
460-327908-3	TW-3	Total/NA	Water	8260D	
460-327908-4	TB060625	Total/NA	Water	8260D	
MB 460-1042970/23	Method Blank	Total/NA	Water	8260D	
LCS 460-1042970/19	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-1042970/20	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Analysis Batch: 1042707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-1042731/1-A	Method Blank	Total/NA	Water	8270E SIM ID	1042731
LCS 460-1042731/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	1042731
LCSD 460-1042731/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	1042731

Prep Batch: 1042731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Total/NA	Water	3510C	
460-327908-2	TW-2	Total/NA	Water	3510C	
460-327908-3	TW-3	Total/NA	Water	3510C	
MB 460-1042731/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1042731/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1042731/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-328000-I-2-A MS	Matrix Spike	Total/NA	Water	3510C	
460-328000-M-2-A MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Prep Batch: 1042793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Total/NA	Water	3510C	
460-327908-2	TW-2	Total/NA	Water	3510C	
460-327908-3	TW-3	Total/NA	Water	3510C	
MB 460-1042793/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1042793/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1042793/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 1042991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Total/NA	Water	8270E SIM ID	1042731
460-327908-2	TW-2	Total/NA	Water	8270E SIM ID	1042731
460-327908-3	TW-3	Total/NA	Water	8270E SIM ID	1042731
460-328000-I-2-A MS	Matrix Spike	Total/NA	Water	8270E SIM ID	1042731
460-328000-M-2-A MSD	Matrix Spike Duplicate	Total/NA	Water	8270E SIM ID	1042731

Analysis Batch: 1043015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Total/NA	Water	8270E	1042793
460-327908-2	TW-2	Total/NA	Water	8270E	1042793
460-327908-3	TW-3	Total/NA	Water	8270E	1042793
MB 460-1042793/1-A	Method Blank	Total/NA	Water	8270E	1042793
LCS 460-1042793/2-A	Lab Control Sample	Total/NA	Water	8270E	1042793

GC/MS Semi VOA (Continued)

Analysis Batch: 1043015 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 460-1042793/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	1042793

GC Semi VOA

Analysis Batch: 1042881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Total/NA	Water	8082A	1042957
460-327908-2	TW-2	Total/NA	Water	8082A	1042957
460-327908-3	TW-3	Total/NA	Water	8082A	1042957
MB 460-1042957/1-A	Method Blank	Total/NA	Water	8082A	1042957
LCS 460-1042957/2-A	Lab Control Sample	Total/NA	Water	8082A	1042957
LCSD 460-1042957/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	1042957

Prep Batch: 1042957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Total/NA	Water	3510C	
460-327908-2	TW-2	Total/NA	Water	3510C	
460-327908-3	TW-3	Total/NA	Water	3510C	
MB 460-1042957/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1042957/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1042957/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 1042958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Total/NA	Water	3510C	
460-327908-2	TW-2	Total/NA	Water	3510C	
460-327908-3	TW-3	Total/NA	Water	3510C	
MB 460-1042958/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1042958/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1042958/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 1042975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Total/NA	Water	8081B	1042958
460-327908-2	TW-2	Total/NA	Water	8081B	1042958
460-327908-3	TW-3	Total/NA	Water	8081B	1042958
MB 460-1042958/1-A	Method Blank	Total/NA	Water	8081B	1042958
LCS 460-1042958/2-A	Lab Control Sample	Total/NA	Water	8081B	1042958
LCSD 460-1042958/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	1042958

Metals

Prep Batch: 1042754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Total Recoverable	Water	3005A	
460-327908-2	TW-2	Total Recoverable	Water	3005A	
460-327908-3	TW-3	Total Recoverable	Water	3005A	
MB 460-1042754/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 460-1042754/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-327215-Q-2-F MS	Matrix Spike	Total Recoverable	Water	3005A	
460-327215-Q-2-G MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
460-327215-Q-2-E DU	Duplicate	Total Recoverable	Water	3005A	

Metals

Analysis Batch: 1042838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Dissolved	Water	6020B	1042963
460-327908-1	TW-1	Total Recoverable	Water	6020B	1042754
460-327908-2	TW-2	Dissolved	Water	6020B	1042963
460-327908-2	TW-2	Total Recoverable	Water	6020B	1042754
460-327908-3	TW-3	Dissolved	Water	6020B	1042963
MB 460-1042754/1-A	Method Blank	Total Recoverable	Water	6020B	1042754
MB 460-1042961/1-B	Method Blank	Dissolved	Water	6020B	1042963
LCS 460-1042754/2-A	Lab Control Sample	Total Recoverable	Water	6020B	1042754
LCS 460-1042963/23-A	Lab Control Sample	Total Recoverable	Water	6020B	1042963
460-327215-Q-2-F MS	Matrix Spike	Total Recoverable	Water	6020B	1042754
460-327215-Q-2-G MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	1042754
460-328000-F-2-G MS	Matrix Spike	Dissolved	Water	6020B	1042963
460-328000-F-2-H MSD	Matrix Spike Duplicate	Dissolved	Water	6020B	1042963
460-327215-Q-2-E DU	Duplicate	Total Recoverable	Water	6020B	1042754
460-328000-F-2-F DU	Duplicate	Dissolved	Water	6020B	1042963

Filtration Batch: 1042961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Dissolved	Water	FILTRATION	
460-327908-2	TW-2	Dissolved	Water	FILTRATION	
460-327908-3	TW-3	Dissolved	Water	FILTRATION	
MB 460-1042961/1-B	Method Blank	Dissolved	Water	FILTRATION	
460-328000-F-2-G MS	Matrix Spike	Dissolved	Water	FILTRATION	
460-328000-F-2-H MSD	Matrix Spike Duplicate	Dissolved	Water	FILTRATION	
460-328000-F-2-F DU	Duplicate	Dissolved	Water	FILTRATION	

Prep Batch: 1042963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Dissolved	Water	3005A	1042961
460-327908-2	TW-2	Dissolved	Water	3005A	1042961
460-327908-3	TW-3	Dissolved	Water	3005A	1042961
MB 460-1042961/1-B	Method Blank	Dissolved	Water	3005A	1042961
LCS 460-1042963/23-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-328000-F-2-G MS	Matrix Spike	Dissolved	Water	3005A	1042961
460-328000-F-2-H MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	1042961
460-328000-F-2-F DU	Duplicate	Dissolved	Water	3005A	1042961

Filtration Batch: 1043111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Dissolved	Water	FILTRATION	
460-327908-2	TW-2	Dissolved	Water	FILTRATION	
460-327908-3	TW-3	Dissolved	Water	FILTRATION	
MB 460-1043111/1-B	Method Blank	Dissolved	Water	FILTRATION	
460-327279-K-1-I MS	Matrix Spike	Dissolved	Water	FILTRATION	
460-327279-K-1-J MSD	Matrix Spike Duplicate	Dissolved	Water	FILTRATION	
460-327279-K-1-H DU	Duplicate	Dissolved	Water	FILTRATION	

Prep Batch: 1043119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Dissolved	Water	7470A	1043111
460-327908-2	TW-2	Dissolved	Water	7470A	1043111

Metals (Continued)

Prep Batch: 1043119 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-3	TW-3	Dissolved	Water	7470A	1043111
MB 460-1043111/1-B	Method Blank	Dissolved	Water	7470A	1043111
LCS 460-1043119/3-A	Lab Control Sample	Total/NA	Water	7470A	
460-327279-K-1-I MS	Matrix Spike	Dissolved	Water	7470A	1043111
460-327279-K-1-J MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	1043111
460-327279-K-1-H DU	Duplicate	Dissolved	Water	7470A	1043111

Analysis Batch: 1043235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Dissolved	Water	7470A	1043119
460-327908-2	TW-2	Dissolved	Water	7470A	1043119
460-327908-3	TW-3	Dissolved	Water	7470A	1043119
MB 460-1043111/1-B	Method Blank	Dissolved	Water	7470A	1043119
LCS 460-1043119/3-A	Lab Control Sample	Total/NA	Water	7470A	1043119
460-327279-K-1-I MS	Matrix Spike	Dissolved	Water	7470A	1043119
460-327279-K-1-J MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	1043119
460-327279-K-1-H DU	Duplicate	Dissolved	Water	7470A	1043119

Analysis Batch: 1043466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Total Recoverable	Water	6020B	1042754
460-327908-2	TW-2	Total Recoverable	Water	6020B	1042754
460-327908-3	TW-3	Total Recoverable	Water	6020B	1042754

Prep Batch: 1043933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Total/NA	Water	7470A	
460-327908-2	TW-2	Total/NA	Water	7470A	
460-327908-3	TW-3	Total/NA	Water	7470A	
MB 460-1043933/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-1043933/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-328065-E-1-C MS	Matrix Spike	Total/NA	Water	7470A	
460-328065-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
460-328065-E-1-B DU	Duplicate	Total/NA	Water	7470A	

Analysis Batch: 1044061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327908-1	TW-1	Total/NA	Water	7470A	1043933
460-327908-2	TW-2	Total/NA	Water	7470A	1043933
460-327908-3	TW-3	Total/NA	Water	7470A	1043933
MB 460-1043933/1-A	Method Blank	Total/NA	Water	7470A	1043933
LCS 460-1043933/2-A	Lab Control Sample	Total/NA	Water	7470A	1043933
460-328065-E-1-C MS	Matrix Spike	Total/NA	Water	7470A	1043933
460-328065-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	1043933
460-328065-E-1-B DU	Duplicate	Total/NA	Water	7470A	1043933

Lab Chronicle

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327908-1

Client Sample ID: TW-1

Lab Sample ID: 460-327908-1

Date Collected: 06/06/25 08:25
Date Received: 06/06/25 20:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1042970	KLB	EET EDI	06/13/25 15:47
Total/NA	Prep	3510C			1042793	BXP	EET EDI	06/11/25 09:54
Total/NA	Analysis	8270E		1	1043015	DXD	EET EDI	06/12/25 09:47
Total/NA	Prep	3510C			1042731	AXB	EET EDI	06/11/25 08:51
Total/NA	Analysis	8270E SIM ID		1	1042991	MDJ	EET EDI	06/12/25 06:04
Total/NA	Prep	3510C			1042958	JMS	EET EDI	06/11/25 21:19
Total/NA	Analysis	8081B		1	1042975	FAM	EET EDI	06/12/25 05:25
Total/NA	Prep	3510C			1042957	JMS	EET EDI	06/11/25 21:13
Total/NA	Analysis	8082A		1	1042881	FAM	EET EDI	06/12/25 09:02
Dissolved	Filtration	FILTRATION			1042961	VAD	EET EDI	06/11/25 23:08
Dissolved	Prep	3005A			1042963	VAD	EET EDI	06/11/25 23:14
Dissolved	Analysis	6020B		1	1042838	CDC	EET EDI	06/12/25 01:41
Total Recoverable	Prep	3005A			1042754	TAP	EET EDI	06/11/25 08:34
Total Recoverable	Analysis	6020B		1	1042838	CDC	EET EDI	06/12/25 03:47
Total Recoverable	Prep	3005A			1042754	TAP	EET EDI	06/11/25 08:34
Total Recoverable	Analysis	6020B		1	1043466	CDC	EET EDI	06/13/25 21:39
Dissolved	Filtration	FILTRATION			1043111	JKF	EET EDI	06/12/25 11:33
Dissolved	Prep	7470A			1043119	JKF	EET EDI	06/12/25 11:36
Dissolved	Analysis	7470A		1	1043235	JKF	EET EDI	06/12/25 18:55
Total/NA	Prep	7470A			1043933	JKF	EET EDI	06/16/25 10:28
Total/NA	Analysis	7470A		1	1044061	JKF	EET EDI	06/16/25 17:14

Client Sample ID: TW-2

Lab Sample ID: 460-327908-2

Date Collected: 06/06/25 11:40
Date Received: 06/06/25 20:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1042970	KLB	EET EDI	06/13/25 16:15
Total/NA	Prep	3510C			1042793	BXP	EET EDI	06/11/25 09:54
Total/NA	Analysis	8270E		1	1043015	DXD	EET EDI	06/12/25 10:30
Total/NA	Prep	3510C			1042731	AXB	EET EDI	06/11/25 08:51
Total/NA	Analysis	8270E SIM ID		1	1042991	MDJ	EET EDI	06/12/25 06:20
Total/NA	Prep	3510C			1042958	JMS	EET EDI	06/11/25 21:19
Total/NA	Analysis	8081B		1	1042975	FAM	EET EDI	06/12/25 05:37
Total/NA	Prep	3510C			1042957	JMS	EET EDI	06/11/25 21:13
Total/NA	Analysis	8082A		1	1042881	FAM	EET EDI	06/12/25 09:19
Dissolved	Filtration	FILTRATION			1042961	VAD	EET EDI	06/11/25 23:08
Dissolved	Prep	3005A			1042963	VAD	EET EDI	06/11/25 23:14
Dissolved	Analysis	6020B		1	1042838	CDC	EET EDI	06/12/25 01:46
Total Recoverable	Prep	3005A			1042754	TAP	EET EDI	06/11/25 08:34
Total Recoverable	Analysis	6020B		1	1042838	CDC	EET EDI	06/12/25 03:49
Total Recoverable	Prep	3005A			1042754	TAP	EET EDI	06/11/25 08:34
Total Recoverable	Analysis	6020B		1	1043466	CDC	EET EDI	06/13/25 21:41

Lab Chronicle

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327908-1

Client Sample ID: TW-2

Lab Sample ID: 460-327908-2

Date Collected: 06/06/25 11:40

Matrix: Water

Date Received: 06/06/25 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Filtration	FILTRATION			1043111	JKF	EET EDI	06/12/25 11:33
Dissolved	Prep	7470A			1043119	JKF	EET EDI	06/12/25 11:36
Dissolved	Analysis	7470A		1	1043235	JKF	EET EDI	06/12/25 18:58
Total/NA	Prep	7470A			1043933	JKF	EET EDI	06/16/25 10:28
Total/NA	Analysis	7470A		1	1044061	JKF	EET EDI	06/16/25 17:22

Client Sample ID: TW-3

Lab Sample ID: 460-327908-3

Date Collected: 06/06/25 10:25

Matrix: Water

Date Received: 06/06/25 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1042970	KLB	EET EDI	06/13/25 16:43
Total/NA	Prep	3510C			1042793	BXP	EET EDI	06/11/25 09:54
Total/NA	Analysis	8270E		1	1043015	DXD	EET EDI	06/12/25 11:14
Total/NA	Prep	3510C			1042731	AXB	EET EDI	06/11/25 08:51
Total/NA	Analysis	8270E SIM ID		1	1042991	MDJ	EET EDI	06/12/25 06:35
Total/NA	Prep	3510C			1042958	JMS	EET EDI	06/11/25 21:19
Total/NA	Analysis	8081B		1	1042975	FAM	EET EDI	06/12/25 05:49
Total/NA	Prep	3510C			1042957	JMS	EET EDI	06/11/25 21:13
Total/NA	Analysis	8082A		1	1042881	FAM	EET EDI	06/12/25 09:35
Dissolved	Filtration	FILTRATION			1042961	VAD	EET EDI	06/11/25 23:08
Dissolved	Prep	3005A			1042963	VAD	EET EDI	06/11/25 23:14
Dissolved	Analysis	6020B		1	1042838	CDC	EET EDI	06/12/25 01:54
Total Recoverable	Prep	3005A			1042754	TAP	EET EDI	06/11/25 08:34
Total Recoverable	Analysis	6020B		1	1043466	CDC	EET EDI	06/13/25 21:47
Dissolved	Filtration	FILTRATION			1043111	JKF	EET EDI	06/12/25 11:33
Dissolved	Prep	7470A			1043119	JKF	EET EDI	06/12/25 11:36
Dissolved	Analysis	7470A		1	1043235	JKF	EET EDI	06/12/25 19:24
Total/NA	Prep	7470A			1043933	JKF	EET EDI	06/16/25 10:28
Total/NA	Analysis	7470A		1	1044061	JKF	EET EDI	06/16/25 17:25

Client Sample ID: TB060625

Lab Sample ID: 460-327908-4

Date Collected: 06/06/25 00:00

Matrix: Water

Date Received: 06/06/25 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1042970	KLB	EET EDI	06/13/25 13:54

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327908-1

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	03-31-26

Method Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327908-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8270E SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7470A	Mercury (CVAA)	SW846	EET EDI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET EDI
FILTRATION	Sample Filtration	None	EET EDI

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327908-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-327908-1	TW-1	Water	06/06/25 08:25	06/06/25 20:00
460-327908-2	TW-2	Water	06/06/25 11:40	06/06/25 20:00
460-327908-3	TW-3	Water	06/06/25 10:25	06/06/25 20:00
460-327908-4	TB060625	Water	06/06/25 00:00	06/06/25 20:00

Address: NY 22

Chain of Custody Record 761388

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Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: William J. Fitchett	Site Contact: W Fitchett	Date: 6/6/25	COC No: 1 of 1 COCs
Company Name: GEI Consultants	Tel/Email: wfitchett@geiconsultants.com	Lab Contact: K. Rouix	Carrier: Courier	Sampler:
Address: 1000 New York Ave, Ste 13	Analysis Turnaround Time: ☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only: Walk-in Client:
City/State/Zip: Huntington Station NY 11746	TAT if different from Below: ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Phone: 631-760-9300				Job / SDG No.
Fax:				
Project Name: 28-12 41st Ave				
Site: 28-12 41st Ave, Queens, NY	Standard			
PO #: 2502602				327908 Sample Specific Notes.

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs 8260	SVOCs 8270 BU	Pest/PCB 8081/8082	TAL Metals 6010/7471	1,4 Dioxane via SIM 8270
TW-1	6/6/25	825	G/C	GW	15		Y	X	X	X	X	X
TW-2	6/6/25	1140	G/C	GW	15		Y	X	X	X	X	X
TW-3	6/6/25	1025	G/C	GW	15		Y	X	X	X	X	X
TB060625	6/6/25				2			X				

460-327908 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Total and dissolved metals lab to filter Include Nick Recchia on results nrecchia@geiconsultants.com

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp (°C): Obs'd 4.0 Corr'd _____ Therm ID No. _____

Relinquished by: WJF	Company: GEI	Date/Time:	Received by:	Company:	Date/Time: 6/6/25 1325	
Relinquished by:	Company:	Date/Time: 6/6/25	Received by: ETA 0	Company: 6-6-25	Date/Time: 5:20 PM	
Relinquished by: 06-6-25 ETA 8:01	Company:	Date/Time:	Received in Laboratory by:	Company: ETA	Date/Time: 6/6 2000	

6/7/2025

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 327908

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	4.0 °C	4.4 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2											
2				<2											
3				<2											
4															

If pH adjustments are required record the information below*

Sample No(s). adjusted: _____

Preservative Name/Conc. _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s) _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: RN Date: 6/10/25

Login Sample Receipt Checklist

Client: GEI Consultants Inc

Job Number: 460-327908-1

Login Number: 327908
List Number: 1
Creator: Thundathorn, Sukanan 1

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

ANALYTICAL REPORT

PREPARED FOR

Attn: William Fitchett
GEI Consultants Inc
1000 New York Avenue
Huntington Station, New York 11746

Generated 6/17/2025 3:42:19 PM

JOB DESCRIPTION

28-12 41st Avenue

JOB NUMBER

460-327815-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization



Generated
6/17/2025 3:42:19 PM

Authorized for release by
Katelyn Connelly, Project Manager I
Katelyn.Connelly@et.eurofinsus.com
(732)549-3900

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Definitions/Glossary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327815-1

Qualifiers

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-327815-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/6/2025 8:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.5°C.

Receipt Exceptions
All backup containers for water samples received for 1633 PFAS analysis were frozen after receipt. EP-A1 (4-5)_P (460-327683-1), EP-A1 (4-5)_P (460-327683-1[MS]), EP-A1 (4-5)_P (460-327683-1[MSD]), EP-A2 (4-5)_P (460-327683-2), DUP_06042025_P (460-327683-3), EP-B5(4-5)_P (460-327683-4), EP-B5(4-5)_P (460-327683-4[MS]), EP-B5(4-5)_P (460-327683-4[MSD]), EP-B6(4-5)_P (460-327683-5), FB_06042025_P (460-327683-6), PDI-03_0-2_P (460-327737-1), PDI-03_2-4_P (460-327737-2), PDI-03_4-6_P (460-327737-3), PDI-03_8-10_P (460-327737-4), PDI-03_10-12_P (460-327737-5), PDI-03_12-14_P (460-327737-6), PDI-03_14-16_P (460-327737-7), FB-20250605 (460-327737-8), TW-1 (460-327815-1), TW-2 (460-327815-2), TW-3 (460-327815-3), PDI-04_0-2_P (460-327852-1), PDI-04_2-4_P (460-327852-2), PDI-04_4-6_P (460-327852-3), PDI-04_8-10_P (460-327852-4), PDI-04_10-12_P (460-327852-5), PDI-04_12-14_P (460-327852-6), PDI-04_12-14_P (460-327852-6[MS]), PDI-04_12-14_P (460-327852-6[MSD]), PDI-04_14-16_P (460-327852-7), DUP-20250606_P (460-327852-8) and FB-20250606_P (460-327852-9)

Method 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A
Samples TW-1 (460-327815-1), TW-2 (460-327815-2) and TW-3 (460-327815-3) were analyzed for Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A. The samples were prepared on 6/12/2025 and analyzed on 6/14/2025.

Due to TSS greater than 50 mg/L when compared to a visual standard, the samples were spiked with extracted internal standards, shaken and centrifuged. The aqueous portion was decanted into the original container and extracted. The affected samples are TW-1 (460-327815-1), TW-2 (460-327815-2) and TW-3 (460-327815-3).

Extracted internal standard 13C2-PFTeDA and 13C8-PFOSA recoveries were outside QC acceptance criteria in sample TW-2 (460-327815-2). The recoveries were greater than or equal to 5% and the signal to noise was greater than 10:1, therefore, the data is reported.

Extracted internal standard D9-NEtFOSE recoveries were outside QC acceptance criteria in sample TW-3 (460-327815-3). The recoveries were greater than or equal to 5% and the signal to noise was greater than 10:1, therefore, the data is reported.

The labeled isotopes 13C2 6:2 FTS are outside QC acceptance limits. Since the recovery in sample TW-3 (460-327815-3) is less than 350%, the data is reported.

The transition mass ratio for Perfluorononanoic acid (PFNA) in sample TW-2 (460-327815-2) and TW-3 (460-327815-3) in analytical batch 410-657650 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Detection Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327815-1

Client Sample ID: TW-1 — Lab Sample ID: 460-327815-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	13.1		4.23	1.16	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	18.3		2.12	0.64	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	17.6		2.12	0.53	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	20.0		2.12	0.85	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	29.9		2.12	0.95	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	5.91		2.12	0.53	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.03		2.12	0.85	ng/L	1		1633A	Total/NA

Client Sample ID: TW-2 — Lab Sample ID: 460-327815-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	9.54		5.12	1.41	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	12.0		2.56	0.77	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	12.9		2.56	0.64	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	10.5		2.56	1.02	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	33.5		2.56	1.15	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	3.09		2.56	0.64	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	5.89		2.56	0.64	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.58		2.56	1.02	ng/L	1		1633A	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.83	J	2.56	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	28.2		2.56	0.64	ng/L	1		1633A	Total/NA

Client Sample ID: TW-3 — Lab Sample ID: 460-327815-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	6.64		3.45	0.95	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	7.41		1.72	0.52	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	6.98		1.72	0.43	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	4.21		1.72	0.69	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	10.6		1.72	0.78	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	3.20		1.72	0.43	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.57	J	1.72	0.43	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.56		1.72	0.43	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.34	J	1.72	0.69	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.72		1.72	0.43	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.90	J	3.45	0.86	ng/L	1		1633A	Total/NA
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	4.71	J	8.61	2.15	ng/L	1		1633A	Total/NA
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.67	J	1.72	0.65	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327815-1

Client Sample ID: TW-1
Date Collected: 06/06/25 08:25
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327815-1
Matrix: Water

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**13.1**		4.23	1.16	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluoropentanoic acid (PFPeA)	**18.3**		2.12	0.64	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluorohexanoic acid (PFHxA)	**17.6**		2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluoroheptanoic acid (PFHpA)	**20.0**		2.12	0.85	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluorooctanoic acid (PFOA)	**29.9**		2.12	0.95	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluorononanoic acid (PFNA)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluorodecanoic acid (PFDA)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluoroundecanoic acid (PFUnA)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluorododecanoic acid (PFDoA)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluorotridecanoic acid (PFTrDA)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluorotetradecanoic acid (PFTeDA)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluorobutanesulfonic acid (PFBS)	**5.91**		2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluoropentanesulfonic acid (PFPeS)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluorohexanesulfonic acid (PFHxS)	**3.03**		2.12	0.85	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluoroheptanesulfonic acid (PFHpS)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluorooctanesulfonic acid (PFOS)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluorononanesulfonic acid (PFNS)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluorododecanesulfonic acid (PFDoS)	2.12	U	2.12	0.64	ng/L		06/12/25 16:37	06/14/25 06:00	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.23	U	4.23	1.06	ng/L		06/12/25 16:37	06/14/25 06:00	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.23	U	4.23	1.06	ng/L		06/12/25 16:37	06/14/25 06:00	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.23	U	4.23	1.06	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluorooctanesulfonamide (PFOSA)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	10.6	U	10.6	2.65	ng/L		06/12/25 16:37	06/14/25 06:00	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	10.6	U	10.6	2.65	ng/L		06/12/25 16:37	06/14/25 06:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	2.12	U	2.12	0.79	ng/L		06/12/25 16:37	06/14/25 06:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1

Client Sample ID: TW-1

Lab Sample ID: 460-327815-1

Date Collected: 06/06/25 08:25

Matrix: Water

Date Received: 06/06/25 20:00

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	4.23	U	4.23	1.06	ng/L		06/12/25 16:37	06/14/25 06:00	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	10.6	U	10.6	2.96	ng/L		06/12/25 16:37	06/14/25 06:00	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	10.6	U	10.6	2.65	ng/L		06/12/25 16:37	06/14/25 06:00	1
Perfluorodecanesulfonic acid (PFDS)	2.12	U	2.12	0.53	ng/L		06/12/25 16:37	06/14/25 06:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4-PFBA	*89.0*		*5 - 130*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
13C5-PFPeA	*92.6*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
13C5-PFHxA	*92.9*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
13C4-PFHpA	*85.0*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
13C8-PFOA	*89.7*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
13C9-PFNA	*88.4*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
13C6-PFDA	*82.6*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
13C7-PFUnA	*81.6*		*30 - 130*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
13C2 PFDoA	*72.2*		*10 - 130*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
13C2-PFTeDA	*16.5*		*10 - 130*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
13C3-PFBS	*86.2*		*40 - 135*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
13C3-PFHxS	*86.8*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
13C8-PFOS	*84.9*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
13C8-PFOSA	*60.3*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
d3-NMeFOSAA	*71.7*		*40 - 170*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
d5-NEtFOSAA	*68.8*		*25 - 135*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
13C2 4:2 FTS	*145*		*40 - 200*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
13C2 6:2 FTS	*166*		*40 - 200*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
13C2 8:2 FTS	*119*		*40 - 300*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
13C3-HFPO-DA	*80.4*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
D7-NMeFOSE	*32.9*		*10 - 130*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
D9-NEtFOSE	*23.8*		*10 - 130*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
d5-NEtPFOSA	*21.9*		*10 - 130*	*06/12/25 16:37*	*06/14/25 06:00*	*1*
d3-NMePFOSA	*31.1*		*10 - 130*	*06/12/25 16:37*	*06/14/25 06:00*	*1*

Client Sample ID: TW-2

Lab Sample ID: 460-327815-2

Date Collected: 06/06/25 11:40

Matrix: Water

Date Received: 06/06/25 20:00

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**9.54**		5.12	1.41	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluoropentanoic acid (PFPeA)	**12.0**		2.56	0.77	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluorohexanoic acid (PFHxA)	**12.9**		2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluoroheptanoic acid (PFHpA)	**10.5**		2.56	1.02	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluorooctanoic acid (PFOA)	**33.5**		2.56	1.15	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluorononanoic acid (PFNA)	**3.09**		2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluorodecanoic acid (PFDA)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluoroundecanoic acid (PFUnA)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327815-1

Client Sample ID: TW-2
Date Collected: 06/06/25 11:40
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327815-2
Matrix: Water

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluorotridecanoic acid (PFTrDA)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluorotetradecanoic acid (PFTeDA)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluorobutanesulfonic acid (PFBS)	**5.89**		2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluoropentanesulfonic acid (PFPeS)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluorohexanesulfonic acid (PFHxS)	**4.58**		2.56	1.02	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluoroheptanesulfonic acid (PFHpS)	**0.83**	**J**	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluorooctanesulfonic acid (PFOS)	**28.2**		2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluorononanesulfonic acid (PFNS)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluorododecanesulfonic acid (PFDoS)	2.56	U	2.56	0.77	ng/L		06/12/25 16:37	06/14/25 06:14	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	5.12	U	5.12	1.28	ng/L		06/12/25 16:37	06/14/25 06:14	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.12	U	5.12	1.28	ng/L		06/12/25 16:37	06/14/25 06:14	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	5.12	U	5.12	1.28	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluorooctanesulfonamide (PFOSA)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.8	U	12.8	3.20	ng/L		06/12/25 16:37	06/14/25 06:14	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.8	U	12.8	3.20	ng/L		06/12/25 16:37	06/14/25 06:14	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	2.56	U	2.56	0.96	ng/L		06/12/25 16:37	06/14/25 06:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	5.12	U	5.12	1.28	ng/L		06/12/25 16:37	06/14/25 06:14	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.8	U	12.8	3.59	ng/L		06/12/25 16:37	06/14/25 06:14	1

Client Sample ID: TW-2

Date Collected: 06/06/25 11:40
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327815-2
Matrix: Water

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.8	U	12.8	3.20	ng/L		06/12/25 16:37	06/14/25 06:14	1
Perfluorodecanesulfonic acid (PFDS)	2.56	U	2.56	0.64	ng/L		06/12/25 16:37	06/14/25 06:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4-PFBA	*70.3*		*5 - 130*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
13C5-PFPeA	*70.5*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
13C5-PFHxA	*69.2*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
13C4-PFHpA	*67.4*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
13C8-PFOA	*73.5*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
13C9-PFNA	*70.9*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
13C6-PFDA	*67.8*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
13C7-PFUnA	*57.8*		*30 - 130*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
13C2 PFDoA	*38.6*		*10 - 130*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
13C2-PFTeDA	*9.10*	*	*10 - 130*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
13C3-PFBS	*71.0*		*40 - 135*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
13C3-PFHxS	*73.1*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
13C8-PFOS	*66.4*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
13C8-PFOSA	*38.6*	*	*40 - 130*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
d3-NMeFOSAA	*54.0*		*40 - 170*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
d5-NEtFOSAA	*47.9*		*25 - 135*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
13C2 4:2 FTS	*119*		*40 - 200*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
13C2 6:2 FTS	*156*		*40 - 200*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
13C2 8:2 FTS	*75.9*		*40 - 300*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
13C3-HFPO-DA	*63.4*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
D7-NMeFOSE	*17.6*		*10 - 130*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
D9-NEtFOSE	*13.4*		*10 - 130*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
d5-NEtPFOSA	*16.2*		*10 - 130*	*06/12/25 16:37*	*06/14/25 06:14*	*1*
d3-NMePFOSA	*22.2*		*10 - 130*	*06/12/25 16:37*	*06/14/25 06:14*	*1*

Client Sample ID: TW-3

Date Collected: 06/06/25 10:25
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327815-3
Matrix: Water

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**6.64**		3.45	0.95	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluoropentanoic acid (PFPeA)	**7.41**		1.72	0.52	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluorohexanoic acid (PFHxA)	**6.98**		1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluoroheptanoic acid (PFHpA)	**4.21**		1.72	0.69	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluorooctanoic acid (PFOA)	**10.6**		1.72	0.78	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluorononanoic acid (PFNA)	**3.20**		1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluorodecanoic acid (PFDA)	**0.57**	**J**	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluoroundecanoic acid (PFUnA)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluorododecanoic acid (PFDoA)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluorotridecanoic acid (PFTrDA)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluorotetradecanoic acid (PFTeDA)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluorobutanesulfonic acid (PFBS)	**3.56**		1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluoropentanesulfonic acid (PFPeS)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1

Client Sample ID: TW-3
Date Collected: 06/06/25 10:25
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327815-3
Matrix: Water

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	**1.34**	**J**	1.72	0.69	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluoroheptanesulfonic acid (PFHpS)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluorooctanesulfonic acid (PFOS)	**8.72**		1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluorononanesulfonic acid (PFNS)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluorododecanesulfonic acid (PFDoS)	1.72	U	1.72	0.52	ng/L		06/12/25 16:37	06/14/25 06:28	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	3.45	U	3.45	0.86	ng/L		06/12/25 16:37	06/14/25 06:28	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	**0.90**	**J**	3.45	0.86	ng/L		06/12/25 16:37	06/14/25 06:28	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	3.45	U	3.45	0.86	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluorooctanesulfonamide (PFOSA)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	8.61	U	8.61	2.15	ng/L		06/12/25 16:37	06/14/25 06:28	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	**4.71**	**J**	8.61	2.15	ng/L		06/12/25 16:37	06/14/25 06:28	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	**0.67**	**J**	1.72	0.65	ng/L		06/12/25 16:37	06/14/25 06:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	3.45	U	3.45	0.86	ng/L		06/12/25 16:37	06/14/25 06:28	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	8.61	U	8.61	2.41	ng/L		06/12/25 16:37	06/14/25 06:28	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	8.61	U	8.61	2.15	ng/L		06/12/25 16:37	06/14/25 06:28	1
Perfluorodecanesulfonic acid (PFDS)	1.72	U	1.72	0.43	ng/L		06/12/25 16:37	06/14/25 06:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4-PFBA	*75.6*		*5 - 130*	*06/12/25 16:37*	*06/14/25 06:28*	*1*
13C5-PFPeA	*75.1*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:28*	*1*
13C5-PFHxA	*77.0*		*40 - 130*	*06/12/25 16:37*	*06/14/25 06:28*	*1*

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327815-1

Client Sample ID: TW-3
Date Collected: 06/06/25 10:25
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327815-3
Matrix: Water

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4-PFHpA	72.7		40 - 130	06/12/25 16:37	06/14/25 06:28	1
13C8-PFOA	79.9		40 - 130	06/12/25 16:37	06/14/25 06:28	1
13C9-PFNA	77.0		40 - 130	06/12/25 16:37	06/14/25 06:28	1
13C6-PFDA	73.3		40 - 130	06/12/25 16:37	06/14/25 06:28	1
13C7-PFUnA	78.9		30 - 130	06/12/25 16:37	06/14/25 06:28	1
13C2 PFDoA	53.2		10 - 130	06/12/25 16:37	06/14/25 06:28	1
13C2-PFTeDA	10.2		10 - 130	06/12/25 16:37	06/14/25 06:28	1
13C3-PFBS	71.4		40 - 135	06/12/25 16:37	06/14/25 06:28	1
13C3-PFHxS	74.6		40 - 130	06/12/25 16:37	06/14/25 06:28	1
13C8-PFOS	75.8		40 - 130	06/12/25 16:37	06/14/25 06:28	1
13C8-PFOSA	64.5		40 - 130	06/12/25 16:37	06/14/25 06:28	1
d3-NMeFOSAA	61.2		40 - 170	06/12/25 16:37	06/14/25 06:28	1
d5-NEtFOSAA	60.9		25 - 135	06/12/25 16:37	06/14/25 06:28	1
13C2 4:2 FTS	159		40 - 200	06/12/25 16:37	06/14/25 06:28	1
13C2 6:2 FTS	253	*	40 - 200	06/12/25 16:37	06/14/25 06:28	1
13C2 8:2 FTS	122		40 - 300	06/12/25 16:37	06/14/25 06:28	1
13C3-HFPO-DA	60.1		40 - 130	06/12/25 16:37	06/14/25 06:28	1
D7-NMeFOSE	12.7		10 - 130	06/12/25 16:37	06/14/25 06:28	1
D9-NEtFOSE	8.71	*	10 - 130	06/12/25 16:37	06/14/25 06:28	1
d5-NEtPFOSA	18.8		10 - 130	06/12/25 16:37	06/14/25 06:28	1
d3-NMePFOSA	31.1		10 - 130	06/12/25 16:37	06/14/25 06:28	1

Isotope Dilution Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327815-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (5-130)	PFPeA (40-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)
460-327815-1	TW-1	89.0	92.6	92.9	85.0	89.7	88.4	82.6	81.6
460-327815-2	TW-2	70.3	70.5	69.2	67.4	73.5	70.9	67.8	57.8
460-327815-3	TW-3	75.6	75.1	77.0	72.7	79.9	77.0	73.3	78.9
LCS 410-656925/1-A	Lab Control Sample	81.6	79.2	79.7	76.4	76.9	76.4	74.6	79.2
LCSD 410-656925/2-A	Lab Control Sample Dup	92.5	87.7	90.5	85.1	85.3	87.1	87.2	91.0
LLCS 410-656925/3-A	Lab Control Sample	91.9	87.2	87.4	82.0	86.8	85.2	89.9	92.3
MB 410-656925/7-A	Method Blank	80.9	83.5	81.1	76.4	76.2	72.7	79.8	84.0

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (10-130)	PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)
460-327815-1	TW-1	72.2	16.5	86.2	86.8	84.9	60.3	71.7	68.8
460-327815-2	TW-2	38.6	9.10 *	71.0	73.1	66.4	38.6 *	54.0	47.9
460-327815-3	TW-3	53.2	10.2	71.4	74.6	75.8	64.5	61.2	60.9
LCS 410-656925/1-A	Lab Control Sample	76.3	68.1	75.3	74.6	79.3	58.2	65.5	66.0
LCSD 410-656925/2-A	Lab Control Sample Dup	86.8	74.4	86.3	89.4	90.5	67.3	76.0	74.4
LLCS 410-656925/3-A	Lab Control Sample	90.0	71.2	81.3	83.4	87.4	64.1	69.4	76.5
MB 410-656925/7-A	Method Blank	79.5	62.4	75.7	72.9	77.6	59.1	66.6	65.3

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M242FTS (40-200)	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)
460-327815-1	TW-1	145	166	119	80.4	32.9	23.8	21.9	31.1
460-327815-2	TW-2	119	156	75.9	63.4	17.6	13.4	16.2	22.2
460-327815-3	TW-3	159	253 *	122	60.1	12.7	8.71 *	18.8	31.1
LCS 410-656925/1-A	Lab Control Sample	75.3	84.0	74.0	74.8	58.4	57.3	54.3	52.3
LCSD 410-656925/2-A	Lab Control Sample Dup	92.3	96.2	89.1	85.9	67.9	65.2	63.1	63.3
LLCS 410-656925/3-A	Lab Control Sample	87.3	93.1	85.4	81.3	64.2	65.2	60.8	59.3
MB 410-656925/7-A	Method Blank	81.7	87.4	75.1	76.9	65.1	65.0	52.5	50.4

Surrogate Legend

PFBA = 13C4-PFBA
PFPeA = 13C5-PFPeA
13C5PHA = 13C5-PFHxA
C4PFHA = 13C4-PFHpA
C8PFOA = 13C8-PFOA
C9PFNA = 13C9-PFNA
C6PFDA = 13C6-PFDA
13C7PUA = 13C7-PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2-PFTeDA
C3PFBS = 13C3-PFBS
C3PFHS = 13C3-PFHxS
C8PFOS = 13C8-PFOS
PFOSA = 13C8-PFOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3-HFPO-DA

Isotope Dilution Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327815-1

NMFM = D7-NMeFOSE
NEFM = D9-NEtFOSE
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 410-656925/7-A
Matrix: Water
Analysis Batch: 657650

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 656925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.00	U	4.00	1.10	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluoropentanoic acid (PFPeA)	2.00	U	2.00	0.60	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluorohexanoic acid (PFHxA)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluoroheptanoic acid (PFHpA)	2.00	U	2.00	0.80	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluorooctanoic acid (PFOA)	2.00	U	2.00	0.90	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluorononanoic acid (PFNA)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluorodecanoic acid (PFDA)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluoroundecanoic acid (PFUnA)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluorododecanoic acid (PFDoA)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluorotridecanoic acid (PFTrDA)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluorotetradecanoic acid (PFTeDA)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluorobutanesulfonic acid (PFBS)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluoropentanesulfonic acid (PFPeS)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluorohexanesulfonic acid (PFHxS)	2.00	U	2.00	0.80	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluoroheptanesulfonic acid (PFHpS)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluorooctanesulfonic acid (PFOS)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluorononanesulfonic acid (PFNS)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluorododecanesulfonic acid (PFDoS)	2.00	U	2.00	0.60	ng/L		06/12/25 16:37	06/14/25 05:06	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.00	U	4.00	1.00	ng/L		06/12/25 16:37	06/14/25 05:06	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.00	U	4.00	1.00	ng/L		06/12/25 16:37	06/14/25 05:06	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.00	U	4.00	1.00	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluorooctanesulfonamide (PFOSA)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	10.0	U	10.0	2.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	10.0	U	10.0	2.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	2.00	U	2.00	0.75	ng/L		06/12/25 16:37	06/14/25 05:06	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-656925/7-A
Matrix: Water
Analysis Batch: 657650

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 656925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	4.00	U	4.00	1.00	ng/L		06/12/25 16:37	06/14/25 05:06	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	10.0	U	10.0	2.80	ng/L		06/12/25 16:37	06/14/25 05:06	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	10.0	U	10.0	2.50	ng/L		06/12/25 16:37	06/14/25 05:06	1
Perfluorodecanesulfonic acid (PFDS)	2.00	U	2.00	0.50	ng/L		06/12/25 16:37	06/14/25 05:06	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4-PFBA	*80.9*		*5 - 130*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
13C5-PFPeA	*83.5*		*40 - 130*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
13C5-PFHxA	*81.1*		*40 - 130*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
13C4-PFHpA	*76.4*		*40 - 130*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
13C8-PFOA	*76.2*		*40 - 130*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
13C9-PFNA	*72.7*		*40 - 130*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
13C6-PFDA	*79.8*		*40 - 130*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
13C7-PFUnA	*84.0*		*30 - 130*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
13C2 PFDoA	*79.5*		*10 - 130*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
13C2-PFTeDA	*62.4*		*10 - 130*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
13C3-PFBS	*75.7*		*40 - 135*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
13C3-PFHxS	*72.9*		*40 - 130*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
13C8-PFOS	*77.6*		*40 - 130*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
13C8-PFOSA	*59.1*		*40 - 130*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
d3-NMeFOSAA	*66.6*		*40 - 170*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
d5-NEtFOSAA	*65.3*		*25 - 135*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
13C2 4:2 FTS	*81.7*		*40 - 200*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
13C2 6:2 FTS	*87.4*		*40 - 200*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
13C2 8:2 FTS	*75.1*		*40 - 300*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
13C3-HFPO-DA	*76.9*		*40 - 130*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
D7-NMeFOSE	*65.1*		*10 - 130*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
D9-NEtFOSE	*65.0*		*10 - 130*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
d5-NEtPFOSA	*52.5*		*10 - 130*	*06/12/25 16:37*	*06/14/25 05:06*	*1*
d3-NMePFOSA	*50.4*		*10 - 130*	*06/12/25 16:37*	*06/14/25 05:06*	*1*

Lab Sample ID: LCS 410-656925/1-A
Matrix: Water
Analysis Batch: 657650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 656925

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	72.15		ng/L		90	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	37.26		ng/L		93	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	36.49		ng/L		91	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	37.69		ng/L		94	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	37.12		ng/L		93	70 - 150
Perfluorononanoic acid (PFNA)	40.0	35.11		ng/L		88	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	37.43		ng/L		94	70 - 140

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-656925/1-A
Matrix: Water
Analysis Batch: 657650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 656925

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	40.0	37.32		ng/L		93	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	38.04		ng/L		95	70 - 140
Perfluorotridecanoic acid (PFTrDA)	40.0	40.83		ng/L		102	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	37.87		ng/L		95	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	34.64		ng/L		98	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	35.95		ng/L		96	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	33.90		ng/L		93	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	29.70		ng/L		78	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	32.45		ng/L		87	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	30.19		ng/L		78	65 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	28.47		ng/L		73	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	72.92		ng/L		97	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	66.69		ng/L		88	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	73.37		ng/L		96	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	40.02		ng/L		100	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	40.86		ng/L		102	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	36.91		ng/L		92	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	38.64		ng/L		97	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	36.00		ng/L		90	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	179.0		ng/L		90	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	180.5		ng/L		90	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.0	28.27		ng/L		94	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	35.27		ng/L		93	65 - 145
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	34.88		ng/L		87	60 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	37.42		ng/L		94	55 - 140
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	33.99		ng/L		85	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	37.19		ng/L		100	70 - 155

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-656925/1-A
Matrix: Water
Analysis Batch: 657650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 656925

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			37.8	36.90		ng/L		98	55 - 160		
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)			35.7	32.08		ng/L		90	70 - 140		
3-Perfluoropropylpropanoic acid (3:3 FTCA)			80.0	69.02		ng/L		86	65 - 130		
3-Perfluoropentylpropanoic acid (5:3 FTCA)			200	166.6		ng/L		83	70 - 135		
3-Perfluoroheptylpropanoic acid (7:3 FTCA)			200	155.6		ng/L		78	50 - 145		
Perfluorodecanesulfonic acid (PFDS)			38.6	30.60		ng/L		79	60 - 145		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4-PFBA	*81.6*		*5 - 130*
13C5-PFPeA	*79.2*		*40 - 130*
13C5-PFHxA	*79.7*		*40 - 130*
13C4-PFHpA	*76.4*		*40 - 130*
13C8-PFOA	*76.9*		*40 - 130*
13C9-PFNA	*76.4*		*40 - 130*
13C6-PFDA	*74.6*		*40 - 130*
13C7-PFUnA	*79.2*		*30 - 130*
13C2 PFDoA	*76.3*		*10 - 130*
13C2-PFTeDA	*68.1*		*10 - 130*
13C3-PFBS	*75.3*		*40 - 135*
13C3-PFHxS	*74.6*		*40 - 130*
13C8-PFOS	*79.3*		*40 - 130*
13C8-PFOSA	*58.2*		*40 - 130*
d3-NMeFOSAA	*65.5*		*40 - 170*
d5-NEtFOSAA	*66.0*		*25 - 135*
13C2 4:2 FTS	*75.3*		*40 - 200*
13C2 6:2 FTS	*84.0*		*40 - 200*
13C2 8:2 FTS	*74.0*		*40 - 300*
13C3-HFPO-DA	*74.8*		*40 - 130*
D7-NMeFOSE	*58.4*		*10 - 130*
D9-NEtFOSE	*57.3*		*10 - 130*
d5-NEtPFOSA	*54.3*		*10 - 130*
d3-NMePFOSA	*52.3*		*10 - 130*

Lab Sample ID: LCSD 410-656925/2-A
Matrix: Water
Analysis Batch: 657650

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 656925

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			80.0	70.62		ng/L		88	70 - 140	2	30
Perfluoropentanoic acid (PFPeA)			40.0	38.03		ng/L		95	65 - 135	2	30
Perfluorohexanoic acid (PFHxA)			40.0	34.15		ng/L		85	70 - 145	7	30
Perfluoroheptanoic acid (PFHpA)			40.0	36.33		ng/L		91	70 - 150	4	30
Perfluorooctanoic acid (PFOA)			40.0	37.39		ng/L		93	70 - 150	1	30
Perfluorononanoic acid (PFNA)			40.0	36.76		ng/L		92	70 - 150	5	30

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCSD 410-656925/2-A
Matrix: Water
Analysis Batch: 657650

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 656925

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorodecanoic acid (PFDA)	40.0	37.03		ng/L		93	70 - 140	1	30
Perfluoroundecanoic acid (PFUnA)	40.0	38.45		ng/L		96	70 - 145	3	30
Perfluorododecanoic acid (PFDoA)	40.0	37.27		ng/L		93	70 - 140	2	30
Perfluorotridecanoic acid (PFTrDA)	40.0	38.74		ng/L		97	65 - 140	5	30
Perfluorotetradecanoic acid (PFTeDA)	40.0	35.42		ng/L		89	60 - 140	7	30
Perfluorobutanesulfonic acid (PFBS)	35.5	32.93		ng/L		93	60 - 145	5	30
Perfluoropentanesulfonic acid (PFPeS)	37.6	33.44		ng/L		89	65 - 140	7	30
Perfluorohexanesulfonic acid (PFHxS)	36.5	34.07		ng/L		93	65 - 145	0	30
Perfluoroheptanesulfonic acid (PFHpS)	38.2	29.33		ng/L		77	70 - 150	1	30
Perfluorooctanesulfonic acid (PFOS)	37.2	31.67		ng/L		85	55 - 150	2	30
Perfluorononanesulfonic acid (PFNS)	38.5	31.08		ng/L		81	65 - 145	3	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	28.17		ng/L		73	50 - 145	1	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	70.45		ng/L		94	70 - 145	3	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	66.95		ng/L		88	65 - 155	0	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	70.28		ng/L		92	60 - 150	4	30
Perfluorooctanesulfonamide (PFOSA)	40.0	39.93		ng/L		100	70 - 145	0	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	38.31		ng/L		96	60 - 150	6	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	37.97		ng/L		95	65 - 145	3	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	38.52		ng/L		96	50 - 140	0	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	38.64		ng/L		97	70 - 145	7	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	184.1		ng/L		92	70 - 145	3	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	186.7		ng/L		93	70 - 135	3	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.0	26.49		ng/L		88	70 - 140	6	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	33.70		ng/L		89	65 - 145	5	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	36.17		ng/L		90	60 - 150	4	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	38.23		ng/L		96	55 - 140	2	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	35.33		ng/L		88	50 - 150	4	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	34.67		ng/L		93	70 - 155	7	30

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCSD 410-656925/2-A
Matrix: Water
Analysis Batch: 657650

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 656925

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	34.79		ng/L		92	55 - 160	6	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	35.7	31.23		ng/L		88	70 - 140	3	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	76.36		ng/L		95	65 - 130	10	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	156.9		ng/L		78	70 - 135	6	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	148.9		ng/L		74	50 - 145	4	30
Perfluorodecanesulfonic acid (PFDS)	38.6	30.11		ng/L		78	60 - 145	2	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4-PFBA	*92.5*		*5 - 130*
13C5-PFPeA	*87.7*		*40 - 130*
13C5-PFHxA	*90.5*		*40 - 130*
13C4-PFHpA	*85.1*		*40 - 130*
13C8-PFOA	*85.3*		*40 - 130*
13C9-PFNA	*87.1*		*40 - 130*
13C6-PFDA	*87.2*		*40 - 130*
13C7-PFUnA	*91.0*		*30 - 130*
13C2 PFDoA	*86.8*		*10 - 130*
13C2-PFTeDA	*74.4*		*10 - 130*
13C3-PFBS	*86.3*		*40 - 135*
13C3-PFHxS	*89.4*		*40 - 130*
13C8-PFOS	*90.5*		*40 - 130*
13C8-PFOSA	*67.3*		*40 - 130*
d3-NMeFOSAA	*76.0*		*40 - 170*
d5-NEtFOSAA	*74.4*		*25 - 135*
13C2 4:2 FTS	*92.3*		*40 - 200*
13C2 6:2 FTS	*96.2*		*40 - 200*
13C2 8:2 FTS	*89.1*		*40 - 300*
13C3-HFPO-DA	*85.9*		*40 - 130*
D7-NMeFOSE	*67.9*		*10 - 130*
D9-NEtFOSE	*65.2*		*10 - 130*
d5-NEtPFOSA	*63.1*		*10 - 130*
d3-NMePFOSA	*63.3*		*10 - 130*

Lab Sample ID: LLCS 410-656925/3-A
Matrix: Water
Analysis Batch: 657650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 656925

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	7.158		ng/L		89	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	3.777		ng/L		94	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	3.602		ng/L		90	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	3.804		ng/L		95	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	3.992		ng/L		100	70 - 150
Perfluorononanoic acid (PFNA)	4.00	3.995		ng/L		100	70 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-656925/3-A
Matrix: Water
Analysis Batch: 657650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 656925

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorodecanoic acid (PFDA)	4.00	3.803		ng/L		95	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	3.567		ng/L		89	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	3.753		ng/L		94	70 - 140
Perfluorotridecanoic acid (PFTrDA)	4.00	3.783		ng/L		95	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	4.038		ng/L		101	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.181		ng/L		90	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.410		ng/L		91	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.170		ng/L		87	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	2.904		ng/L		76	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.583		ng/L		96	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	2.879		ng/L		75	65 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	2.278		ng/L		59	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	6.908		ng/L		92	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	6.928		ng/L		91	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	7.064		ng/L		92	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	3.855		ng/L		96	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	3.669		ng/L		92	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	3.753		ng/L		94	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	3.534		ng/L		88	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	4.114		ng/L		103	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	18.54		ng/L		93	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	19.43		ng/L		97	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.00	2.751		ng/L		92	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.846		ng/L		102	65 - 145
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.704		ng/L		93	60 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	3.900		ng/L		98	55 - 140
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	3.663		ng/L		92	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.631		ng/L		97	70 - 155

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-656925/3-A
Matrix: Water
Analysis Batch: 657650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 656925

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	3.601		ng/L		95	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.57	3.256		ng/L		91	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	6.291		ng/L		79	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	16.39		ng/L		82	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	13.90		ng/L		69	50 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.111		ng/L		81	60 - 145

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4-PFBA	*91.9*		*5 - 130*
13C5-PFPeA	*87.2*		*40 - 130*
13C5-PFHxA	*87.4*		*40 - 130*
13C4-PFHpA	*82.0*		*40 - 130*
13C8-PFOA	*86.8*		*40 - 130*
13C9-PFNA	*85.2*		*40 - 130*
13C6-PFDA	*89.9*		*40 - 130*
13C7-PFUnA	*92.3*		*30 - 130*
13C2 PFDoA	*90.0*		*10 - 130*
13C2-PFTeDA	*71.2*		*10 - 130*
13C3-PFBS	*81.3*		*40 - 135*
13C3-PFHxS	*83.4*		*40 - 130*
13C8-PFOS	*87.4*		*40 - 130*
13C8-PFOSA	*64.1*		*40 - 130*
d3-NMeFOSAA	*69.4*		*40 - 170*
d5-NEtFOSAA	*76.5*		*25 - 135*
13C2 4:2 FTS	*87.3*		*40 - 200*
13C2 6:2 FTS	*93.1*		*40 - 200*
13C2 8:2 FTS	*85.4*		*40 - 300*
13C3-HFPO-DA	*81.3*		*40 - 130*
D7-NMeFOSE	*64.2*		*10 - 130*
D9-NEtFOSE	*65.2*		*10 - 130*
d5-NEtPFOSA	*60.8*		*10 - 130*
d3-NMePFOSA	*59.3*		*10 - 130*

QC Association Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327815-1

LCMS

Prep Batch: 656925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327815-1	TW-1	Total/NA	Water	1633A	
460-327815-2	TW-2	Total/NA	Water	1633A	
460-327815-3	TW-3	Total/NA	Water	1633A	
MB 410-656925/7-A	Method Blank	Total/NA	Water	1633A	
LCS 410-656925/1-A	Lab Control Sample	Total/NA	Water	1633A	
LCSD 410-656925/2-A	Lab Control Sample Dup	Total/NA	Water	1633A	
LLCS 410-656925/3-A	Lab Control Sample	Total/NA	Water	1633A	

Analysis Batch: 657650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-327815-1	TW-1	Total/NA	Water	1633A	656925
460-327815-2	TW-2	Total/NA	Water	1633A	656925
460-327815-3	TW-3	Total/NA	Water	1633A	656925
MB 410-656925/7-A	Method Blank	Total/NA	Water	1633A	656925
LCS 410-656925/1-A	Lab Control Sample	Total/NA	Water	1633A	656925
LCSD 410-656925/2-A	Lab Control Sample Dup	Total/NA	Water	1633A	656925
LLCS 410-656925/3-A	Lab Control Sample	Total/NA	Water	1633A	656925

Lab Chronicle

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327815-1

Client Sample ID: TW-1
Date Collected: 06/06/25 08:25
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327815-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A			656925	Y4GV	ELLE	06/12/25 16:37
Total/NA	Analysis	1633A		1	657650	RPU6	ELLE	06/14/25 06:00

Client Sample ID: TW-2
Date Collected: 06/06/25 11:40
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327815-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A			656925	Y4GV	ELLE	06/12/25 16:37
Total/NA	Analysis	1633A		1	657650	RPU6	ELLE	06/14/25 06:14

Client Sample ID: TW-3
Date Collected: 06/06/25 10:25
Date Received: 06/06/25 20:00

Lab Sample ID: 460-327815-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A			656925	Y4GV	ELLE	06/12/25 16:37
Total/NA	Analysis	1633A		1	657650	RPU6	ELLE	06/14/25 06:28

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327815-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	12-30-26
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-26
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-26
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-25
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-26
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-26
Washington	State	C457	04-11-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Edison

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	06-15-25
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

Method Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327815-1

Method	Method Description	Protocol	Laboratory
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
1633A	Solid-Phase Extraction (SPE)	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 460-327815-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-327815-1	TW-1	Water	06/06/25 08:25	06/06/25 20:00
460-327815-2	TW-2	Water	06/06/25 11:40	06/06/25 20:00
460-327815-3	TW-3	Water	06/06/25 10:25	06/06/25 20:00

Chain of Custody Record 761386

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Address: 1 N° 2 St

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: William J Fitchett	Site Contact: W. Fitchett	Date: 6/6/25	COC No: 1 of 1 COCs
Company Name: GEI Consultants	Tel/Email: wfitchett@geiconsultants.com	Lab Contact: K. Proulx	Carrier: courier	Sampler:
Address: 1000 New York Ave, Ste 13	Analysis Turnaround Time: ☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only: Walk-in Client: / Lab Sampling:
City/State/Zip: Huntington Sta, NY 11746	TAT if different from Below: ☑ 2 weeks standard; ☐ 1 week; ☐ 2 days; ☐ 1 day			Job / SDG No.:
Phone: 631-760-9300				
Fax:				
Project Name: 28-12 41st Ave				
Site: 28-12 41st Ave, Queens, NY				
PO# 2502602				327815 Sample Specific Notes:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PFAS 1633A
TW-1	6/6/25	825	C	GW	2			X
TW-2	6/6/25	1140	C	GW	2			X
TW-3	6/6/25	1625	C	GW	2			X

460-327815 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: include Nick Recchia on results nrecchia@geiconsultants.com

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp (°C): Obs'd. [illegible] Corr'd. _____ Therm ID No. _____

	Company	Date/Time	Received by	Company	Date/Time
Relinquished by: WJF	GEI				6/6/25 1325
Relinquished by:	Company	Date/Time: 6/6/25 1700	Received by: 06-6	Company: 25 E40 ETA	Date/Time:
Relinquished by: 06-6-25	Company: ETA	Date/Time: 2000	Received in Laboratory by:	Company: ETA	Date/Time: 6/6 2000

6/7/2025

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Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 327815

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.1 °C	1.5 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted. _____

Preservative Name/Conc. _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

EDS-WI-038, Rev 4.1
10/22/2019

Initials. RN Date: 6/7/25

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Connelly, Katelyn M	Carrier Tracking No(s): N/A	COC No: 460-74424.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Katelyn.Connelly@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New York		Job #: 460-327815-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/20/2025			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 28-12 41st Avenue	Project #: 46046836			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633A/1633A_SPE List of 40 based on EPA method	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X		X	
TW-1 (460-327815-1)	6/6/25	08:25 Eastern	G	Water			X	2	
TW-2 (460-327815-2)	6/6/25	11:40 Eastern	G	Water			X	2	
TW-3 (460-327815-3)	6/6/25	10:25 Eastern	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6/9/25 1645			6/9/25 1645	
2		6/9/25 2038				
3					6/19/25 2038	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: R.2.7 C:2 S

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: GEI Consultants Inc

Job Number: 460-327815-1

Login Number: 327815
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: GEI Consultants Inc

Job Number: 460-327815-1

Login Number: 327815
List Number: 2
Creator: McDonald, Teigan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 06/10/25 01:35 AM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Appendix E

Laboratory Data Deliverables for Soil Vapor and Indoor Air Analytical Data

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ANALYTICAL REPORT

PREPARED FOR

Attn: William Fitchett
GEI Consultants Inc
1000 New York Avenue
Huntington Station, New York 11746

Generated 6/12/2025 2:56:06 PM

JOB DESCRIPTION

28-12 41st Avenue
200-78310-1

JOB NUMBER

200-78310-1

Eurofins Burlington
530 Community Drive
Suite 11
South Burlington VT 05403

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization



Generated
6/12/2025 2:56:06 PM

Authorized for release by
Elizabeth Nye, Project Manager I
Elizabeth.Nye@et.eurofinsus.com
(802)923-1029

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Definitions/Glossary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Air - GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an estimated value.
N	This flag indicates the presumptive evidence of a compound.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

sJob Narrative
200-78310-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/10/2025 10:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Method TO-15 - Volatile Organic Compounds in Ambient Air
Samples SV-1 (200-78310-1), SV-2 (200-78310-2), SV-3 (200-78310-3), SV-4 (200-78310-4), SV-5 (200-78310-5) and IA-1 (200-78310-6) were analyzed for Volatile Organic Compounds in Ambient Air. The samples were analyzed on 6/11/2025.

Samples SV-1 (200-78310-1)[4x], SV-3 (200-78310-3)[10x], SV-4 (200-78310-4)[128x], SV-4 (200-78310-4)[25.1x] and SV-5 (200-78310-5)[4x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Detection Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Client Sample ID: SV-1 — Lab Sample ID: 200-78310-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.52		0.50	0.22	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.68		0.50	0.36	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.37		0.20	0.077	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.078	J	0.20	0.057	ppb v/v	1		TO-15	Total/NA
Acetone	13.4		5.00	1.90	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	4.25	J	5.00	2.20	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.46	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	1.78	J	5.00	1.60	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.30	J	0.50	0.16	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.49		0.50	0.14	ppb v/v	1		TO-15	Total/NA
Chloroform	0.44		0.20	0.059	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.33		0.20	0.073	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.090	J	0.20	0.052	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.041		0.035	0.024	ppb v/v	1		TO-15	Total/NA
Benzene	0.26		0.20	0.051	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.36		0.20	0.086	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.15		0.035	0.029	ppb v/v	1		TO-15	Total/NA
methyl isobutyl ketone	0.31	J	0.50	0.19	ppb v/v	1		TO-15	Total/NA
Toluene	0.83		0.20	0.054	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	41.0	E	0.20	0.036	ppb v/v	1		TO-15	Total/NA
Chlorobenzene	0.12	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.48		0.20	0.051	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	2.12		0.50	0.014	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.88		0.20	0.069	ppb v/v	1		TO-15	Total/NA
Xylene (total)	3.00		0.70	0.014	ppb v/v	1		TO-15	Total/NA
Styrene	0.23		0.20	0.056	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.093	J	0.20	0.062	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.14	J	0.20	0.068	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.13	J	0.20	0.068	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.58		0.20	0.082	ppb v/v	1		TO-15	Total/NA
1,3-Dichlorobenzene	0.15	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA
Naphthalene	0.12	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane - DL	0.37	J	0.80	0.31	ppb v/v	4		TO-15	Total/NA
Acetone - DL	13.2	J	20.0	7.60	ppb v/v	4		TO-15	Total/NA
Methyl Ethyl Ketone - DL	1.40	J	2.00	0.56	ppb v/v	4		TO-15	Total/NA
Chloroform - DL	0.42	J	0.80	0.24	ppb v/v	4		TO-15	Total/NA
1,1,1-Trichloroethane - DL	0.34	J	0.80	0.29	ppb v/v	4		TO-15	Total/NA
Benzene - DL	0.26	J	0.80	0.20	ppb v/v	4		TO-15	Total/NA
n-Heptane - DL	0.37	J	0.80	0.34	ppb v/v	4		TO-15	Total/NA
Trichloroethene - DL	0.15		0.14	0.12	ppb v/v	4		TO-15	Total/NA
Toluene - DL	0.80		0.80	0.22	ppb v/v	4		TO-15	Total/NA
Tetrachloroethene - DL	41.0		0.80	0.14	ppb v/v	4		TO-15	Total/NA
Ethylbenzene - DL	0.45	J	0.80	0.20	ppb v/v	4		TO-15	Total/NA
m,p-Xylene - DL	1.90	J	2.00	0.056	ppb v/v	4		TO-15	Total/NA
Xylene, o- - DL	0.77	J	0.80	0.28	ppb v/v	4		TO-15	Total/NA
Xylene (total) - DL	2.67	J	2.80	0.056	ppb v/v	4		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	0.49	J	0.80	0.33	ppb v/v	4		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.55		2.47	1.09	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	2.41		1.77	1.27	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	2.06		1.12	0.43	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Client Sample ID: SV-1 (Continued)

Lab Sample ID: 200-78310-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.60	J	1.53	0.44	ug/m3	1		TO-15	Total/NA
Acetone	31.8		11.9	4.51	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	10.5	J	12.3	5.41	ug/m3	1		TO-15	Total/NA
Carbon disulfide	1.43	J	1.56	0.56	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	5.41	J	15.2	4.85	ug/m3	1		TO-15	Total/NA
n-Hexane	1.07	J	1.76	0.56	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	4.41		1.47	0.41	ug/m3	1		TO-15	Total/NA
Chloroform	2.14		0.98	0.29	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	1.81		1.09	0.40	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.31	J	0.69	0.18	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.26		0.22	0.15	ug/m3	1		TO-15	Total/NA
Benzene	0.84		0.64	0.16	ug/m3	1		TO-15	Total/NA
n-Heptane	1.48		0.82	0.35	ug/m3	1		TO-15	Total/NA
Trichloroethene	0.82		0.19	0.16	ug/m3	1		TO-15	Total/NA
methyl isobutyl ketone	1.26	J	2.05	0.78	ug/m3	1		TO-15	Total/NA
Toluene	3.12		0.75	0.20	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	278	E	1.36	0.24	ug/m3	1		TO-15	Total/NA
Chlorobenzene	0.57	J	0.92	0.22	ug/m3	1		TO-15	Total/NA
Ethylbenzene	2.08		0.87	0.22	ug/m3	1		TO-15	Total/NA
m,p-Xylene	9.20		2.17	0.061	ug/m3	1		TO-15	Total/NA
Xylene, o-	3.82		0.87	0.30	ug/m3	1		TO-15	Total/NA
Xylene (total)	13.0		3.04	0.061	ug/m3	1		TO-15	Total/NA
Styrene	0.98		0.85	0.24	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.46	J	0.98	0.30	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.67	J	0.98	0.33	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.63	J	0.98	0.33	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.87		0.98	0.40	ug/m3	1		TO-15	Total/NA
1,3-Dichlorobenzene	0.87	J	1.20	0.38	ug/m3	1		TO-15	Total/NA
Naphthalene	0.63	J	2.62	0.58	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane - DL	2.09	J	4.49	1.73	ug/m3	4		TO-15	Total/NA
Acetone - DL	31.5	J	47.5	18.1	ug/m3	4		TO-15	Total/NA
Methyl Ethyl Ketone - DL	4.12	J	5.90	1.65	ug/m3	4		TO-15	Total/NA
Chloroform - DL	2.07	J	3.91	1.15	ug/m3	4		TO-15	Total/NA
1,1,1-Trichloroethane - DL	1.84	J	4.37	1.59	ug/m3	4		TO-15	Total/NA
Benzene - DL	0.84	J	2.56	0.65	ug/m3	4		TO-15	Total/NA
n-Heptane - DL	1.51	J	3.28	1.41	ug/m3	4		TO-15	Total/NA
Trichloroethene - DL	0.81		0.75	0.62	ug/m3	4		TO-15	Total/NA
Toluene - DL	3.02		3.01	0.81	ug/m3	4		TO-15	Total/NA
Tetrachloroethene - DL	278		5.43	0.98	ug/m3	4		TO-15	Total/NA
Ethylbenzene - DL	1.96	J	3.47	0.89	ug/m3	4		TO-15	Total/NA
m,p-Xylene - DL	8.26	J	8.68	0.24	ug/m3	4		TO-15	Total/NA
Xylene, o- - DL	3.33	J	3.47	1.20	ug/m3	4		TO-15	Total/NA
Xylene (total) - DL	11.6	J	12.2	0.24	ug/m3	4		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	2.43	J	3.93	1.61	ug/m3	4		TO-15	Total/NA

Client Sample ID: SV-2

Lab Sample ID: 200-78310-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.50		0.50	0.22	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	1.45		0.50	0.36	ppb v/v	1		TO-15	Total/NA
n-Butane	0.34	J	0.50	0.31	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Client Sample ID: SV-2 (Continued)

Lab Sample ID: 200-78310-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichlorofluoromethane	0.47		0.20	0.077	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.078	J	0.20	0.057	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	3.50	J	5.00	2.20	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.39	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
n-Hexane	1.22		0.50	0.16	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.21	J	0.50	0.14	ppb v/v	1		TO-15	Total/NA
Chloroform	0.19	J	0.20	0.059	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.34		0.20	0.073	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.074	J	0.20	0.052	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.042		0.035	0.024	ppb v/v	1		TO-15	Total/NA
Benzene	0.14	J	0.20	0.051	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.58		0.20	0.086	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.046		0.035	0.029	ppb v/v	1		TO-15	Total/NA
methyl isobutyl ketone	0.27	J	0.50	0.19	ppb v/v	1		TO-15	Total/NA
Toluene	0.81		0.20	0.054	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	26.9		0.20	0.036	ppb v/v	1		TO-15	Total/NA
Chlorobenzene	0.16	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.52		0.20	0.051	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	2.11		0.50	0.014	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.87		0.20	0.069	ppb v/v	1		TO-15	Total/NA
Xylene (total)	2.98		0.70	0.014	ppb v/v	1		TO-15	Total/NA
Styrene	0.25		0.20	0.056	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.10	J	0.20	0.062	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.15	J	0.20	0.068	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.14	J	0.20	0.068	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.64		0.20	0.082	ppb v/v	1		TO-15	Total/NA
1,3-Dichlorobenzene	0.11	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA
n-Butylbenzene	0.079	J	0.20	0.070	ppb v/v	1		TO-15	Total/NA
Naphthalene	0.21	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.47		2.47	1.09	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	5.14		1.77	1.27	ug/m3	1		TO-15	Total/NA
n-Butane	0.82	J	1.19	0.74	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	2.65		1.12	0.43	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.60	J	1.53	0.44	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	8.60	J	12.3	5.41	ug/m3	1		TO-15	Total/NA
Carbon disulfide	1.22	J	1.56	0.56	ug/m3	1		TO-15	Total/NA
n-Hexane	4.31		1.76	0.56	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.63	J	1.47	0.41	ug/m3	1		TO-15	Total/NA
Chloroform	0.92	J	0.98	0.29	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	1.87		1.09	0.40	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.25	J	0.69	0.18	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.27		0.22	0.15	ug/m3	1		TO-15	Total/NA
Benzene	0.45	J	0.64	0.16	ug/m3	1		TO-15	Total/NA
n-Heptane	2.39		0.82	0.35	ug/m3	1		TO-15	Total/NA
Trichloroethene	0.25		0.19	0.16	ug/m3	1		TO-15	Total/NA
methyl isobutyl ketone	1.10	J	2.05	0.78	ug/m3	1		TO-15	Total/NA
Toluene	3.04		0.75	0.20	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	183		1.36	0.24	ug/m3	1		TO-15	Total/NA
Chlorobenzene	0.72	J	0.92	0.22	ug/m3	1		TO-15	Total/NA
Ethylbenzene	2.26		0.87	0.22	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-2 (Continued) — Lab Sample ID: 200-78310-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m,p-Xylene	9.14		2.17	0.061	ug/m3	1		TO-15	Total/NA
Xylene, o-	3.78		0.87	0.30	ug/m3	1		TO-15	Total/NA
Xylene (total)	12.9		3.04	0.061	ug/m3	1		TO-15	Total/NA
Styrene	1.05		0.85	0.24	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.50	J	0.98	0.30	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.76	J	0.98	0.33	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.71	J	0.98	0.33	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	3.14		0.98	0.40	ug/m3	1		TO-15	Total/NA
1,3-Dichlorobenzene	0.68	J	1.20	0.38	ug/m3	1		TO-15	Total/NA
n-Butylbenzene	0.44	J	1.10	0.38	ug/m3	1		TO-15	Total/NA
Naphthalene	1.10	J	2.62	0.58	ug/m3	1		TO-15	Total/NA

Client Sample ID: SV-3 — Lab Sample ID: 200-78310-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.48	J	0.50	0.22	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.51		0.50	0.36	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.72		0.50	0.33	ppb v/v	1		TO-15	Total/NA
n-Butane	2.80		0.50	0.31	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	4.58		0.20	0.040	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.28		0.20	0.077	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.076	J	0.20	0.057	ppb v/v	1		TO-15	Total/NA
Acetone	293	E	5.00	1.90	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	25.5		5.00	2.20	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	1.04		0.50	0.18	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.75		0.50	0.19	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	2.41	J	5.00	1.60	ppb v/v	1		TO-15	Total/NA
n-Hexane	5.00		0.50	0.16	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	16.7		0.50	0.14	ppb v/v	1		TO-15	Total/NA
Chloroform	0.14	J	0.20	0.059	ppb v/v	1		TO-15	Total/NA
Tetrahydrofuran	1.83	J	5.00	1.70	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.12	J	0.20	0.073	ppb v/v	1		TO-15	Total/NA
Cyclohexane	1.26		0.20	0.052	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.079		0.035	0.024	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	1.68		0.20	0.071	ppb v/v	1		TO-15	Total/NA
Benzene	4.28		0.20	0.051	ppb v/v	1		TO-15	Total/NA
n-Heptane	3.35		0.20	0.086	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.21		0.035	0.029	ppb v/v	1		TO-15	Total/NA
1,4-Dioxane	0.72	J	5.00	0.19	ppb v/v	1		TO-15	Total/NA
methyl isobutyl ketone	1.05		0.50	0.19	ppb v/v	1		TO-15	Total/NA
Toluene	4.34		0.20	0.054	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	25.2		0.20	0.036	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.65		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Chlorobenzene	0.14	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	2.85		0.20	0.051	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	12.3		0.50	0.014	ppb v/v	1		TO-15	Total/NA
Xylene, o-	4.59		0.20	0.069	ppb v/v	1		TO-15	Total/NA
Xylene (total)	16.9		0.70	0.014	ppb v/v	1		TO-15	Total/NA
Styrene	0.53		0.20	0.056	ppb v/v	1		TO-15	Total/NA
Cumene	0.18	J	0.20	0.072	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.31		0.20	0.062	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-3 (Continued)

Lab Sample ID: 200-78310-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Ethyltoluene	0.42		0.20	0.068	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.41		0.20	0.068	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.53		0.20	0.082	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.13	J	0.20	0.078	ppb v/v	1		TO-15	Total/NA
1,3-Dichlorobenzene	0.081	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA
n-Butylbenzene	0.10	J	0.20	0.070	ppb v/v	1		TO-15	Total/NA
Naphthalene	0.16	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
n-Butane - DL	3.17	J	5.00	3.10	ppb v/v	10		TO-15	Total/NA
1,3-Butadiene - DL	4.89		2.00	0.40	ppb v/v	10		TO-15	Total/NA
Acetone - DL	339		50.0	19.0	ppb v/v	10		TO-15	Total/NA
Isopropyl alcohol - DL	25.9	J	50.0	22.0	ppb v/v	10		TO-15	Total/NA
n-Hexane - DL	4.86	J	5.00	1.60	ppb v/v	10		TO-15	Total/NA
Methyl Ethyl Ketone - DL	16.4		5.00	1.40	ppb v/v	10		TO-15	Total/NA
Cyclohexane - DL	1.18	J	2.00	0.52	ppb v/v	10		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	1.61	J	2.00	0.71	ppb v/v	10		TO-15	Total/NA
Benzene - DL	4.39		2.00	0.51	ppb v/v	10		TO-15	Total/NA
n-Heptane - DL	3.20		2.00	0.86	ppb v/v	10		TO-15	Total/NA
Toluene - DL	4.13		2.00	0.54	ppb v/v	10		TO-15	Total/NA
Tetrachloroethene - DL	25.9		2.00	0.36	ppb v/v	10		TO-15	Total/NA
Ethylbenzene - DL	2.66		2.00	0.51	ppb v/v	10		TO-15	Total/NA
m,p-Xylene - DL	11.1		5.00	0.14	ppb v/v	10		TO-15	Total/NA
Xylene, o- - DL	4.05		2.00	0.69	ppb v/v	10		TO-15	Total/NA
Xylene (total) - DL	15.2		7.00	0.14	ppb v/v	10		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	1.18	J	2.00	0.82	ppb v/v	10		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.39	J	2.47	1.09	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.82		1.77	1.27	ug/m3	1		TO-15	Total/NA
Chloromethane	1.48		1.03	0.68	ug/m3	1		TO-15	Total/NA
n-Butane	6.67		1.19	0.74	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	10.1		0.44	0.088	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.59		1.12	0.43	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.58	J	1.53	0.44	ug/m3	1		TO-15	Total/NA
Acetone	695	E	11.9	4.51	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	62.6		12.3	5.41	ug/m3	1		TO-15	Total/NA
Carbon disulfide	3.25		1.56	0.56	ug/m3	1		TO-15	Total/NA
Methylene Chloride	2.59		1.74	0.66	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	7.31	J	15.2	4.85	ug/m3	1		TO-15	Total/NA
n-Hexane	17.6		1.76	0.56	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	49.3		1.47	0.41	ug/m3	1		TO-15	Total/NA
Chloroform	0.68	J	0.98	0.29	ug/m3	1		TO-15	Total/NA
Tetrahydrofuran	5.39	J	14.7	5.01	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.65	J	1.09	0.40	ug/m3	1		TO-15	Total/NA
Cyclohexane	4.34		0.69	0.18	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.50		0.22	0.15	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	7.84		0.93	0.33	ug/m3	1		TO-15	Total/NA
Benzene	13.7		0.64	0.16	ug/m3	1		TO-15	Total/NA
n-Heptane	13.7		0.82	0.35	ug/m3	1		TO-15	Total/NA
Trichloroethene	1.13		0.19	0.16	ug/m3	1		TO-15	Total/NA
1,4-Dioxane	2.60	J	18.0	0.68	ug/m3	1		TO-15	Total/NA
methyl isobutyl ketone	4.30		2.05	0.78	ug/m3	1		TO-15	Total/NA
Toluene	16.4		0.75	0.20	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-3 (Continued)

Lab Sample ID: 200-78310-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	171		1.36	0.24	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	2.67		2.05	0.82	ug/m3	1		TO-15	Total/NA
Chlorobenzene	0.64	J	0.92	0.22	ug/m3	1		TO-15	Total/NA
Ethylbenzene	12.4		0.87	0.22	ug/m3	1		TO-15	Total/NA
m,p-Xylene	53.3		2.17	0.061	ug/m3	1		TO-15	Total/NA
Xylene, o-	19.9		0.87	0.30	ug/m3	1		TO-15	Total/NA
Xylene (total)	73.3		3.04	0.061	ug/m3	1		TO-15	Total/NA
Styrene	2.26		0.85	0.24	ug/m3	1		TO-15	Total/NA
Cumene	0.90	J	0.98	0.35	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	1.50		0.98	0.30	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	2.07		0.98	0.33	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	2.02		0.98	0.33	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	7.55		0.98	0.40	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	0.69	J	1.10	0.43	ug/m3	1		TO-15	Total/NA
1,3-Dichlorobenzene	0.49	J	1.20	0.38	ug/m3	1		TO-15	Total/NA
n-Butylbenzene	0.55	J	1.10	0.38	ug/m3	1		TO-15	Total/NA
Naphthalene	0.86	J	2.62	0.58	ug/m3	1		TO-15	Total/NA
n-Butane - DL	7.54	J	11.9	7.37	ug/m3	10		TO-15	Total/NA
1,3-Butadiene - DL	10.8		4.42	0.88	ug/m3	10		TO-15	Total/NA
Acetone - DL	806		119	45.1	ug/m3	10		TO-15	Total/NA
Isopropyl alcohol - DL	63.8	J	123	54.1	ug/m3	10		TO-15	Total/NA
n-Hexane - DL	17.1	J	17.6	5.64	ug/m3	10		TO-15	Total/NA
Methyl Ethyl Ketone - DL	48.4		14.7	4.13	ug/m3	10		TO-15	Total/NA
Cyclohexane - DL	4.06	J	6.88	1.79	ug/m3	10		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	7.50	J	9.34	3.32	ug/m3	10		TO-15	Total/NA
Benzene - DL	14.0		6.39	1.63	ug/m3	10		TO-15	Total/NA
n-Heptane - DL	13.1		8.20	3.52	ug/m3	10		TO-15	Total/NA
Toluene - DL	15.6		7.54	2.03	ug/m3	10		TO-15	Total/NA
Tetrachloroethene - DL	176		13.6	2.44	ug/m3	10		TO-15	Total/NA
Ethylbenzene - DL	11.5		8.68	2.21	ug/m3	10		TO-15	Total/NA
m,p-Xylene - DL	48.3		21.7	0.61	ug/m3	10		TO-15	Total/NA
Xylene, o- - DL	17.6		8.68	3.00	ug/m3	10		TO-15	Total/NA
Xylene (total) - DL	65.8		30.4	0.61	ug/m3	10		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	5.82	J	9.83	4.03	ug/m3	10		TO-15	Total/NA

Client Sample ID: SV-4

Lab Sample ID: 200-78310-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Butadiene	2.03	J	5.02	1.00	ppb v/v	25.1		TO-15	Total/NA
Acetone	252		126	47.7	ppb v/v	25.1		TO-15	Total/NA
n-Hexane	4.30	J	12.6	4.02	ppb v/v	25.1		TO-15	Total/NA
Methyl Ethyl Ketone	13.1		12.6	3.51	ppb v/v	25.1		TO-15	Total/NA
1,1,1-Trichloroethane	2.55	J	5.02	1.83	ppb v/v	25.1		TO-15	Total/NA
Benzene	2.82	J	5.02	1.28	ppb v/v	25.1		TO-15	Total/NA
n-Heptane	2.55	J	5.02	2.16	ppb v/v	25.1		TO-15	Total/NA
Trichloroethene	17.8		0.88	0.73	ppb v/v	25.1		TO-15	Total/NA
Toluene	3.24	J	5.02	1.36	ppb v/v	25.1		TO-15	Total/NA
Tetrachloroethene	1700	E	5.02	0.90	ppb v/v	25.1		TO-15	Total/NA
Ethylbenzene	14.8		5.02	1.28	ppb v/v	25.1		TO-15	Total/NA
m,p-Xylene	67.0		12.6	0.35	ppb v/v	25.1		TO-15	Total/NA
Xylene, o-	21.9		5.02	1.73	ppb v/v	25.1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-4 (Continued) — Lab Sample ID: 200-78310-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylene (total)	88.9		17.6	0.35	ppb v/v	25.1		TO-15	Total/NA
Acetone - DL	260	J	640	243	ppb v/v	128		TO-15	Total/NA
Trichloroethene - DL	18.8		4.48	3.71	ppb v/v	128		TO-15	Total/NA
Tetrachloroethene - DL	1820		25.6	4.61	ppb v/v	128		TO-15	Total/NA
Ethylbenzene - DL	14.4	J	25.6	6.53	ppb v/v	128		TO-15	Total/NA
m,p-Xylene - DL	60.9	J	64.0	1.79	ppb v/v	128		TO-15	Total/NA
Xylene, o- - DL	19.4	J	25.6	8.83	ppb v/v	128		TO-15	Total/NA
Xylene (total) - DL	80.3	J	89.6	1.79	ppb v/v	128		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Butadiene	4.49	J	11.1	2.22	ug/m3	25.1		TO-15	Total/NA
Acetone	598		298	113	ug/m3	25.1		TO-15	Total/NA
n-Hexane	15.2	J	44.2	14.2	ug/m3	25.1		TO-15	Total/NA
Methyl Ethyl Ketone	38.5		37.0	10.4	ug/m3	25.1		TO-15	Total/NA
1,1,1-Trichloroethane	13.9	J	27.4	10.0	ug/m3	25.1		TO-15	Total/NA
Benzene	9.00	J	16.0	4.09	ug/m3	25.1		TO-15	Total/NA
n-Heptane	10.5	J	20.6	8.85	ug/m3	25.1		TO-15	Total/NA
Trichloroethene	95.7		4.72	3.91	ug/m3	25.1		TO-15	Total/NA
Toluene	12.2	J	18.9	5.11	ug/m3	25.1		TO-15	Total/NA
Tetrachloroethene	11500	E	34.0	6.13	ug/m3	25.1		TO-15	Total/NA
Ethylbenzene	64.2		21.8	5.56	ug/m3	25.1		TO-15	Total/NA
m,p-Xylene	291		54.5	1.53	ug/m3	25.1		TO-15	Total/NA
Xylene, o-	95.1		21.8	7.52	ug/m3	25.1		TO-15	Total/NA
Xylene (total)	386		76.3	1.53	ug/m3	25.1		TO-15	Total/NA
Acetone - DL	617	J	1520	578	ug/m3	128		TO-15	Total/NA
Trichloroethene - DL	101		24.1	19.9	ug/m3	128		TO-15	Total/NA
Tetrachloroethene - DL	12400		174	31.3	ug/m3	128		TO-15	Total/NA
Ethylbenzene - DL	62.4	J	111	28.3	ug/m3	128		TO-15	Total/NA
m,p-Xylene - DL	264	J	278	7.78	ug/m3	128		TO-15	Total/NA
Xylene, o- - DL	84.3	J	111	38.4	ug/m3	128		TO-15	Total/NA
Xylene (total) - DL	349	J	389	7.78	ug/m3	128		TO-15	Total/NA

Client Sample ID: SV-5 — Lab Sample ID: 200-78310-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.61		0.50	0.22	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	3.49		0.50	0.36	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.10	J	0.20	0.040	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.71		0.20	0.077	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.079	J	0.20	0.057	ppb v/v	1		TO-15	Total/NA
Acetone	12.2		5.00	1.90	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	5.89		5.00	2.20	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.65		0.50	0.18	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.24	J	0.50	0.16	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.57		0.50	0.14	ppb v/v	1		TO-15	Total/NA
Chloroform	0.30		0.20	0.059	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	14.1		0.20	0.073	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.10	J	0.20	0.052	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.063		0.035	0.024	ppb v/v	1		TO-15	Total/NA
Benzene	0.29		0.20	0.051	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.40		0.20	0.086	ppb v/v	1		TO-15	Total/NA
Trichloroethene	6.59		0.035	0.029	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-5 (Continued)

Lab Sample ID: 200-78310-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl methacrylate	0.13	J	0.50	0.13	ppb v/v	1		TO-15	Total/NA
1,4-Dioxane	0.44	J	5.00	0.19	ppb v/v	1		TO-15	Total/NA
methyl isobutyl ketone	0.62		0.50	0.19	ppb v/v	1		TO-15	Total/NA
Toluene	0.99		0.20	0.054	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	77.3	E	0.20	0.036	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.59		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Chlorobenzene	0.18	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	1.34		0.20	0.051	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	5.58		0.50	0.014	ppb v/v	1		TO-15	Total/NA
Xylene, o-	2.21		0.20	0.069	ppb v/v	1		TO-15	Total/NA
Xylene (total)	7.79		0.70	0.014	ppb v/v	1		TO-15	Total/NA
Styrene	0.34		0.20	0.056	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.13	J	0.20	0.062	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.18	J	0.20	0.068	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.19	J	0.20	0.068	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.77		0.20	0.082	ppb v/v	1		TO-15	Total/NA
1,3-Dichlorobenzene	0.12	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA
n-Butylbenzene	0.083	J	0.20	0.070	ppb v/v	1		TO-15	Total/NA
Naphthalene	0.26	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane - DL	3.59		2.00	1.44	ppb v/v	4		TO-15	Total/NA
Trichlorofluoromethane - DL	0.72	J	0.80	0.31	ppb v/v	4		TO-15	Total/NA
Acetone - DL	12.0	J	20.0	7.60	ppb v/v	4		TO-15	Total/NA
Methyl Ethyl Ketone - DL	1.41	J	2.00	0.56	ppb v/v	4		TO-15	Total/NA
Chloroform - DL	0.28	J	0.80	0.24	ppb v/v	4		TO-15	Total/NA
1,1,1-Trichloroethane - DL	13.7		0.80	0.29	ppb v/v	4		TO-15	Total/NA
Benzene - DL	0.29	J	0.80	0.20	ppb v/v	4		TO-15	Total/NA
n-Heptane - DL	0.39	J	0.80	0.34	ppb v/v	4		TO-15	Total/NA
Trichloroethene - DL	6.40		0.14	0.12	ppb v/v	4		TO-15	Total/NA
Toluene - DL	0.95		0.80	0.22	ppb v/v	4		TO-15	Total/NA
Tetrachloroethene - DL	76.8		0.80	0.14	ppb v/v	4		TO-15	Total/NA
Ethylbenzene - DL	1.24		0.80	0.20	ppb v/v	4		TO-15	Total/NA
m,p-Xylene - DL	5.05		2.00	0.056	ppb v/v	4		TO-15	Total/NA
Xylene, o- - DL	1.96		0.80	0.28	ppb v/v	4		TO-15	Total/NA
Xylene (total) - DL	7.01		2.80	0.056	ppb v/v	4		TO-15	Total/NA
Styrene - DL	0.28	J	0.80	0.22	ppb v/v	4		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	1.43		0.80	0.33	ppb v/v	4		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	3.01		2.47	1.09	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	12.4		1.77	1.27	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.23	J	0.44	0.088	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	3.96		1.12	0.43	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.61	J	1.53	0.44	ug/m3	1		TO-15	Total/NA
Acetone	28.9		11.9	4.51	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	14.5		12.3	5.41	ug/m3	1		TO-15	Total/NA
Carbon disulfide	2.01		1.56	0.56	ug/m3	1		TO-15	Total/NA
n-Hexane	0.84	J	1.76	0.56	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	4.64		1.47	0.41	ug/m3	1		TO-15	Total/NA
Chloroform	1.45		0.98	0.29	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	77.1		1.09	0.40	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.34	J	0.69	0.18	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.39		0.22	0.15	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-5 (Continued)

Lab Sample ID: 200-78310-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.91		0.64	0.16	ug/m3	1		TO-15	Total/NA
n-Heptane	1.66		0.82	0.35	ug/m3	1		TO-15	Total/NA
Trichloroethene	35.4		0.19	0.16	ug/m3	1		TO-15	Total/NA
Methyl methacrylate	0.53	J	2.05	0.53	ug/m3	1		TO-15	Total/NA
1,4-Dioxane	1.57	J	18.0	0.68	ug/m3	1		TO-15	Total/NA
methyl isobutyl ketone	2.56		2.05	0.78	ug/m3	1		TO-15	Total/NA
Toluene	3.75		0.75	0.20	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	524	E	1.36	0.24	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	2.42		2.05	0.82	ug/m3	1		TO-15	Total/NA
Chlorobenzene	0.82	J	0.92	0.22	ug/m3	1		TO-15	Total/NA
Ethylbenzene	5.81		0.87	0.22	ug/m3	1		TO-15	Total/NA
m,p-Xylene	24.2		2.17	0.061	ug/m3	1		TO-15	Total/NA
Xylene, o-	9.58		0.87	0.30	ug/m3	1		TO-15	Total/NA
Xylene (total)	33.8		3.04	0.061	ug/m3	1		TO-15	Total/NA
Styrene	1.46		0.85	0.24	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.64	J	0.98	0.30	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.89	J	0.98	0.33	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.91	J	0.98	0.33	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	8.71		0.98	0.40	ug/m3	1		TO-15	Total/NA
1,3-Dichlorobenzene	0.74	J	1.20	0.38	ug/m3	1		TO-15	Total/NA
n-Butylbenzene	0.46	J	1.10	0.38	ug/m3	1		TO-15	Total/NA
Naphthalene	1.38	J	2.62	0.58	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane - DL	12.7		7.07	5.09	ug/m3	4		TO-15	Total/NA
Trichlorofluoromethane - DL	4.05	J	4.49	1.73	ug/m3	4		TO-15	Total/NA
Acetone - DL	28.6	J	47.5	18.1	ug/m3	4		TO-15	Total/NA
Methyl Ethyl Ketone - DL	4.16	J	5.90	1.65	ug/m3	4		TO-15	Total/NA
Chloroform - DL	1.39	J	3.91	1.15	ug/m3	4		TO-15	Total/NA
1,1,1-Trichloroethane - DL	74.7		4.37	1.59	ug/m3	4		TO-15	Total/NA
Benzene - DL	0.93	J	2.56	0.65	ug/m3	4		TO-15	Total/NA
n-Heptane - DL	1.61	J	3.28	1.41	ug/m3	4		TO-15	Total/NA
Trichloroethene - DL	34.4		0.75	0.62	ug/m3	4		TO-15	Total/NA
Toluene - DL	3.57		3.01	0.81	ug/m3	4		TO-15	Total/NA
Tetrachloroethene - DL	521		5.43	0.98	ug/m3	4		TO-15	Total/NA
Ethylbenzene - DL	5.38		3.47	0.89	ug/m3	4		TO-15	Total/NA
m,p-Xylene - DL	21.9		8.68	0.24	ug/m3	4		TO-15	Total/NA
Xylene, o- - DL	8.50		3.47	1.20	ug/m3	4		TO-15	Total/NA
Xylene (total) - DL	30.4		12.2	0.24	ug/m3	4		TO-15	Total/NA
Styrene - DL	1.19	J	3.41	0.95	ug/m3	4		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	7.01		3.93	1.61	ug/m3	4		TO-15	Total/NA

Client Sample ID: IA-1

Lab Sample ID: 200-78310-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.66		0.50	0.22	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.48	J	0.50	0.36	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.78		0.50	0.33	ppb v/v	1		TO-15	Total/NA
n-Butane	2.03		0.50	0.31	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	1.63		0.20	0.040	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.31		0.20	0.077	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.081	J	0.20	0.057	ppb v/v	1		TO-15	Total/NA
Acetone	8.46		5.00	1.90	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: IA-1 (Continued)

Lab Sample ID: 200-78310-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.20	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
n-Hexane	3.68		0.50	0.16	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.03		0.50	0.14	ppb v/v	1		TO-15	Total/NA
Cyclohexane	1.17		0.20	0.052	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.081		0.035	0.024	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	1.19		0.20	0.071	ppb v/v	1		TO-15	Total/NA
Benzene	2.46		0.20	0.051	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.64		0.20	0.086	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.053		0.035	0.029	ppb v/v	1		TO-15	Total/NA
Toluene	2.84		0.20	0.054	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	10.5		0.20	0.036	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.84		0.20	0.051	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	3.64		0.50	0.014	ppb v/v	1		TO-15	Total/NA
Xylene, o-	1.17		0.20	0.069	ppb v/v	1		TO-15	Total/NA
Xylene (total)	4.81		0.70	0.014	ppb v/v	1		TO-15	Total/NA
Styrene	0.23		0.20	0.056	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.13	J	0.20	0.062	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.19	J	0.20	0.068	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.21		0.20	0.068	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.77		0.20	0.082	ppb v/v	1		TO-15	Total/NA
1,4-Dichlorobenzene	0.10	J	0.20	0.070	ppb v/v	1		TO-15	Total/NA
n-Butylbenzene	0.070	J	0.20	0.070	ppb v/v	1		TO-15	Total/NA
Naphthalene	0.36	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	3.28		2.47	1.09	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.71	J	1.77	1.27	ug/m3	1		TO-15	Total/NA
Chloromethane	1.60		1.03	0.68	ug/m3	1		TO-15	Total/NA
n-Butane	4.83		1.19	0.74	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	3.61		0.44	0.088	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.72		1.12	0.43	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.62	J	1.53	0.44	ug/m3	1		TO-15	Total/NA
Acetone	20.1		11.9	4.51	ug/m3	1		TO-15	Total/NA
Carbon disulfide	0.64	J	1.56	0.56	ug/m3	1		TO-15	Total/NA
n-Hexane	13.0		1.76	0.56	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	3.04		1.47	0.41	ug/m3	1		TO-15	Total/NA
Cyclohexane	4.01		0.69	0.18	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.51		0.22	0.15	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	5.58		0.93	0.33	ug/m3	1		TO-15	Total/NA
Benzene	7.87		0.64	0.16	ug/m3	1		TO-15	Total/NA
n-Heptane	2.61		0.82	0.35	ug/m3	1		TO-15	Total/NA
Trichloroethene	0.28		0.19	0.16	ug/m3	1		TO-15	Total/NA
Toluene	10.7		0.75	0.20	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	71.2		1.36	0.24	ug/m3	1		TO-15	Total/NA
Ethylbenzene	3.65		0.87	0.22	ug/m3	1		TO-15	Total/NA
m,p-Xylene	15.8		2.17	0.061	ug/m3	1		TO-15	Total/NA
Xylene, o-	5.07		0.87	0.30	ug/m3	1		TO-15	Total/NA
Xylene (total)	20.9		3.04	0.061	ug/m3	1		TO-15	Total/NA
Styrene	0.97		0.85	0.24	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.65	J	0.98	0.30	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.92	J	0.98	0.33	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	1.03		0.98	0.33	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: IA-1 (Continued)

Lab Sample ID: 200-78310-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	3.80		0.98	0.40	ug/m3	1		TO-15	Total/NA
1,4-Dichlorobenzene	0.60	J	1.20	0.42	ug/m3	1		TO-15	Total/NA
n-Butylbenzene	0.39	J	1.10	0.38	ug/m3	1		TO-15	Total/NA
Naphthalene	1.90	J	2.62	0.58	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-1

Lab Sample ID: 200-78310-1

Date Collected: 06/06/25 09:53
Matrix: Air
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.52**		0.50	0.22	ppb v/v			06/11/25 12:22	1
Chlorodifluoromethane	**0.68**		0.50	0.36	ppb v/v			06/11/25 12:22	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.076	ppb v/v			06/11/25 12:22	1
Chloromethane	0.50	U	0.50	0.33	ppb v/v			06/11/25 12:22	1
n-Butane	0.50	U	0.50	0.31	ppb v/v			06/11/25 12:22	1
Vinyl chloride	0.078	U	0.078	0.029	ppb v/v			06/11/25 12:22	1
1,3-Butadiene	0.20	U	0.20	0.040	ppb v/v			06/11/25 12:22	1
Bromomethane	0.20	U	0.20	0.062	ppb v/v			06/11/25 12:22	1
Chloroethane	0.50	U	0.50	0.16	ppb v/v			06/11/25 12:22	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.048	ppb v/v			06/11/25 12:22	1
Trichlorofluoromethane	**0.37**		0.20	0.077	ppb v/v			06/11/25 12:22	1
1,1,2-Trichlorotrifluoroethane	**0.078**	**J**	0.20	0.057	ppb v/v			06/11/25 12:22	1
1,1-Dichloroethene	0.035	U	0.035	0.035	ppb v/v			06/11/25 12:22	1
Acetone	**13.4**		5.00	1.90	ppb v/v			06/11/25 12:22	1
Isopropyl alcohol	**4.25**	**J**	5.00	2.20	ppb v/v			06/11/25 12:22	1
Carbon disulfide	**0.46**	**J**	0.50	0.18	ppb v/v			06/11/25 12:22	1
3-Chloropropene	0.50	U	0.50	0.081	ppb v/v			06/11/25 12:22	1
Methylene Chloride	0.50	U	0.50	0.19	ppb v/v			06/11/25 12:22	1
tert-Butyl alcohol	**1.78**	**J**	5.00	1.60	ppb v/v			06/11/25 12:22	1
Methyl tert-butyl ether	0.20	U	0.20	0.066	ppb v/v			06/11/25 12:22	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.020	ppb v/v			06/11/25 12:22	1
n-Hexane	**0.30**	**J**	0.50	0.16	ppb v/v			06/11/25 12:22	1
1,1-Dichloroethane	0.20	U	0.20	0.018	ppb v/v			06/11/25 12:22	1
Methyl Ethyl Ketone	**1.49**		0.50	0.14	ppb v/v			06/11/25 12:22	1
cis-1,2-Dichloroethene	0.50	U	0.50	0.032	ppb v/v			06/11/25 12:22	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.020	ppb v/v			06/11/25 12:22	1
Chloroform	**0.44**		0.20	0.059	ppb v/v			06/11/25 12:22	1
Tetrahydrofuran	5.00	U	5.00	1.70	ppb v/v			06/11/25 12:22	1
1,1,1-Trichloroethane	**0.33**		0.20	0.073	ppb v/v			06/11/25 12:22	1
Cyclohexane	**0.090**	**J**	0.20	0.052	ppb v/v			06/11/25 12:22	1
Carbon tetrachloride	**0.041**		0.035	0.024	ppb v/v			06/11/25 12:22	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.071	ppb v/v			06/11/25 12:22	1
Benzene	**0.26**		0.20	0.051	ppb v/v			06/11/25 12:22	1
1,2-Dichloroethane	0.20	U	0.20	0.074	ppb v/v			06/11/25 12:22	1
n-Heptane	**0.36**		0.20	0.086	ppb v/v			06/11/25 12:22	1
Trichloroethene	**0.15**		0.035	0.029	ppb v/v			06/11/25 12:22	1
Methyl methacrylate	0.50	U	0.50	0.13	ppb v/v			06/11/25 12:22	1
1,2-Dichloropropane	0.20	U	0.20	0.055	ppb v/v			06/11/25 12:22	1
1,4-Dioxane	5.00	U	5.00	0.19	ppb v/v			06/11/25 12:22	1
Bromodichloromethane	0.20	U	0.20	0.058	ppb v/v			06/11/25 12:22	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.056	ppb v/v			06/11/25 12:22	1
methyl isobutyl ketone	**0.31**	**J**	0.50	0.19	ppb v/v			06/11/25 12:22	1
Toluene	**0.83**		0.20	0.054	ppb v/v			06/11/25 12:22	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.062	ppb v/v			06/11/25 12:22	1
1,1,2-Trichloroethane	0.20	U	0.20	0.053	ppb v/v			06/11/25 12:22	1
Tetrachloroethene	**41.0**	**E**	0.20	0.036	ppb v/v			06/11/25 12:22	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.20	ppb v/v			06/11/25 12:22	1
Dibromochloromethane	0.20	U	0.20	0.053	ppb v/v			06/11/25 12:22	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Client Sample ID: SV-1
Date Collected: 06/06/25 09:53
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-1
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.20	U	0.20	0.045	ppb v/v			06/11/25 12:22	1
Chlorobenzene	**0.12**	**J**	0.20	0.047	ppb v/v			06/11/25 12:22	1
Ethylbenzene	**0.48**		0.20	0.051	ppb v/v			06/11/25 12:22	1
m,p-Xylene	**2.12**		0.50	0.014	ppb v/v			06/11/25 12:22	1
Xylene, o-	**0.88**		0.20	0.069	ppb v/v			06/11/25 12:22	1
Xylene (total)	**3.00**		0.70	0.014	ppb v/v			06/11/25 12:22	1
Styrene	**0.23**		0.20	0.056	ppb v/v			06/11/25 12:22	1
Bromoform	0.20	U	0.20	0.058	ppb v/v			06/11/25 12:22	1
Cumene	0.20	U	0.20	0.072	ppb v/v			06/11/25 12:22	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.061	ppb v/v			06/11/25 12:22	1
n-Propylbenzene	**0.093**	**J**	0.20	0.062	ppb v/v			06/11/25 12:22	1
4-Ethyltoluene	**0.14**	**J**	0.20	0.068	ppb v/v			06/11/25 12:22	1
1,3,5-Trimethylbenzene	**0.13**	**J**	0.20	0.068	ppb v/v			06/11/25 12:22	1
2-Chlorotoluene	0.20	U	0.20	0.058	ppb v/v			06/11/25 12:22	1
tert-Butylbenzene	0.20	U	0.20	0.070	ppb v/v			06/11/25 12:22	1
1,2,4-Trimethylbenzene	**0.58**		0.20	0.082	ppb v/v			06/11/25 12:22	1
sec-Butylbenzene	0.20	U	0.20	0.072	ppb v/v			06/11/25 12:22	1
4-Isopropyltoluene	0.20	U	0.20	0.078	ppb v/v			06/11/25 12:22	1
1,3-Dichlorobenzene	**0.15**	**J**	0.20	0.063	ppb v/v			06/11/25 12:22	1
1,4-Dichlorobenzene	0.20	U	0.20	0.070	ppb v/v			06/11/25 12:22	1
Benzyl chloride	0.20	U	0.20	0.074	ppb v/v			06/11/25 12:22	1
n-Butylbenzene	0.20	U	0.20	0.070	ppb v/v			06/11/25 12:22	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			06/11/25 12:22	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.30	ppb v/v			06/11/25 12:22	1
Hexachlorobutadiene	0.20	U	0.20	0.078	ppb v/v			06/11/25 12:22	1
Naphthalene	**0.12**	**J**	0.50	0.11	ppb v/v			06/11/25 12:22	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.55**		2.47	1.09	ug/m3			06/11/25 12:22	1
Chlorodifluoromethane	**2.41**		1.77	1.27	ug/m3			06/11/25 12:22	1
1,2-Dichlorotetrafluoroethane	1.40	U	1.40	0.53	ug/m3			06/11/25 12:22	1
Chloromethane	1.03	U	1.03	0.68	ug/m3			06/11/25 12:22	1
n-Butane	1.19	U	1.19	0.74	ug/m3			06/11/25 12:22	1
Vinyl chloride	0.20	U	0.20	0.074	ug/m3			06/11/25 12:22	1
1,3-Butadiene	0.44	U	0.44	0.088	ug/m3			06/11/25 12:22	1
Bromomethane	0.78	U	0.78	0.24	ug/m3			06/11/25 12:22	1
Chloroethane	1.32	U	1.32	0.42	ug/m3			06/11/25 12:22	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.21	ug/m3			06/11/25 12:22	1
Trichlorofluoromethane	**2.06**		1.12	0.43	ug/m3			06/11/25 12:22	1
1,1,2-Trichlorotrifluoroethane	**0.60**	**J**	1.53	0.44	ug/m3			06/11/25 12:22	1
1,1-Dichloroethene	0.14	U	0.14	0.14	ug/m3			06/11/25 12:22	1
Acetone	**31.8**		11.9	4.51	ug/m3			06/11/25 12:22	1
Isopropyl alcohol	**10.5**	**J**	12.3	5.41	ug/m3			06/11/25 12:22	1
Carbon disulfide	**1.43**	**J**	1.56	0.56	ug/m3			06/11/25 12:22	1
3-Chloropropene	1.57	U	1.57	0.25	ug/m3			06/11/25 12:22	1
Methylene Chloride	1.74	U	1.74	0.66	ug/m3			06/11/25 12:22	1
tert-Butyl alcohol	**5.41**	**J**	15.2	4.85	ug/m3			06/11/25 12:22	1
Methyl tert-butyl ether	0.72	U	0.72	0.24	ug/m3			06/11/25 12:22	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.079	ug/m3			06/11/25 12:22	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Client Sample ID: SV-1
Date Collected: 06/06/25 09:53
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-1
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	**1.07**	**J**	1.76	0.56	ug/m3			06/11/25 12:22	1
1,1-Dichloroethane	0.81	U	0.81	0.073	ug/m3			06/11/25 12:22	1
Methyl Ethyl Ketone	**4.41**		1.47	0.41	ug/m3			06/11/25 12:22	1
cis-1,2-Dichloroethene	2.00	U	2.00	0.13	ug/m3			06/11/25 12:22	1
1,2-Dichloroethene, Total	1.59	U	1.59	0.079	ug/m3			06/11/25 12:22	1
Chloroform	**2.14**		0.98	0.29	ug/m3			06/11/25 12:22	1
Tetrahydrofuran	14.7	U	14.7	5.01	ug/m3			06/11/25 12:22	1
1,1,1-Trichloroethane	**1.81**		1.09	0.40	ug/m3			06/11/25 12:22	1
Cyclohexane	**0.31**	**J**	0.69	0.18	ug/m3			06/11/25 12:22	1
Carbon tetrachloride	**0.26**		0.22	0.15	ug/m3			06/11/25 12:22	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.33	ug/m3			06/11/25 12:22	1
Benzene	**0.84**		0.64	0.16	ug/m3			06/11/25 12:22	1
1,2-Dichloroethane	0.81	U	0.81	0.30	ug/m3			06/11/25 12:22	1
n-Heptane	**1.48**		0.82	0.35	ug/m3			06/11/25 12:22	1
Trichloroethene	**0.82**		0.19	0.16	ug/m3			06/11/25 12:22	1
Methyl methacrylate	2.05	U	2.05	0.53	ug/m3			06/11/25 12:22	1
1,2-Dichloropropane	0.92	U	0.92	0.25	ug/m3			06/11/25 12:22	1
1,4-Dioxane	18.0	U	18.0	0.68	ug/m3			06/11/25 12:22	1
Bromodichloromethane	1.34	U	1.34	0.39	ug/m3			06/11/25 12:22	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			06/11/25 12:22	1
methyl isobutyl ketone	**1.26**	**J**	2.05	0.78	ug/m3			06/11/25 12:22	1
Toluene	**3.12**		0.75	0.20	ug/m3			06/11/25 12:22	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.28	ug/m3			06/11/25 12:22	1
1,1,2-Trichloroethane	1.09	U	1.09	0.29	ug/m3			06/11/25 12:22	1
Tetrachloroethene	**278**	**E**	1.36	0.24	ug/m3			06/11/25 12:22	1
Methyl Butyl Ketone (2-Hexanone)	2.05	U	2.05	0.82	ug/m3			06/11/25 12:22	1
Dibromochloromethane	1.70	U	1.70	0.45	ug/m3			06/11/25 12:22	1
1,2-Dibromoethane	1.54	U	1.54	0.35	ug/m3			06/11/25 12:22	1
Chlorobenzene	**0.57**	**J**	0.92	0.22	ug/m3			06/11/25 12:22	1
Ethylbenzene	**2.08**		0.87	0.22	ug/m3			06/11/25 12:22	1
m,p-Xylene	**9.20**		2.17	0.061	ug/m3			06/11/25 12:22	1
Xylene, o-	**3.82**		0.87	0.30	ug/m3			06/11/25 12:22	1
Xylene (total)	**13.0**		3.04	0.061	ug/m3			06/11/25 12:22	1
Styrene	**0.98**		0.85	0.24	ug/m3			06/11/25 12:22	1
Bromoform	2.07	U	2.07	0.60	ug/m3			06/11/25 12:22	1
Cumene	0.98	U	0.98	0.35	ug/m3			06/11/25 12:22	1
1,1,2,2-Tetrachloroethane	1.37	U	1.37	0.42	ug/m3			06/11/25 12:22	1
n-Propylbenzene	**0.46**	**J**	0.98	0.30	ug/m3			06/11/25 12:22	1
4-Ethyltoluene	**0.67**	**J**	0.98	0.33	ug/m3			06/11/25 12:22	1
1,3,5-Trimethylbenzene	**0.63**	**J**	0.98	0.33	ug/m3			06/11/25 12:22	1
2-Chlorotoluene	1.04	U	1.04	0.30	ug/m3			06/11/25 12:22	1
tert-Butylbenzene	1.10	U	1.10	0.38	ug/m3			06/11/25 12:22	1
1,2,4-Trimethylbenzene	**2.87**		0.98	0.40	ug/m3			06/11/25 12:22	1
sec-Butylbenzene	1.10	U	1.10	0.40	ug/m3			06/11/25 12:22	1
4-Isopropyltoluene	1.10	U	1.10	0.43	ug/m3			06/11/25 12:22	1
1,3-Dichlorobenzene	**0.87**	**J**	1.20	0.38	ug/m3			06/11/25 12:22	1
1,4-Dichlorobenzene	1.20	U	1.20	0.42	ug/m3			06/11/25 12:22	1
Benzyl chloride	1.04	U	1.04	0.38	ug/m3			06/11/25 12:22	1

Client Sample ID: SV-1

Date Collected: 06/06/25 09:53
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-1

Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	1.10	U	1.10	0.38	ug/m3			06/11/25 12:22	1
1,2-Dichlorobenzene	1.20	U	1.20	0.40	ug/m3			06/11/25 12:22	1
1,2,4-Trichlorobenzene	3.71	U	3.71	2.23	ug/m3			06/11/25 12:22	1
Hexachlorobutadiene	2.13	U	2.13	0.83	ug/m3			06/11/25 12:22	1
Naphthalene	**0.63**	**J**	2.62	0.58	ug/m3			06/11/25 12:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Silanol, trimethyl-	*28.1*	*J N*	*ppb v/v*		*11.08*	*1066-40-6*		*06/11/25 12:22*	*1*
1-Butanol	*31.7*	*J N*	*ppb v/v*		*13.76*	*71-36-3*		*06/11/25 12:22*	*1*
Cyclotrisiloxane, hexamethyl-	*1.39*	*J N*	*ppb v/v*		*16.98*	*541-05-9*		*06/11/25 12:22*	*1*
Unknown	*1.19*	*J*	*ppb v/v*		*17.77*	*N/A*		*06/11/25 12:22*	*1*
Unknown	*5.05*	*J*	*ppb v/v*		*21.40*	*N/A*		*06/11/25 12:22*	*1*
2-Nonene, 3-methyl-, (E)-	*1.36*	*J N*	*ppb v/v*		*22.15*	*17003-99-5*		*06/11/25 12:22*	*1*
Unknown	*1.68*	*J*	*ppb v/v*		*23.02*	*N/A*		*06/11/25 12:22*	*1*
4-Cyanocyclohexene	*1.32*	*J N*	*ppb v/v*		*23.77*	*100-45-8*		*06/11/25 12:22*	*1*
1-Dodecene	*3.11*	*J N*	*ppb v/v*		*25.22*	*112-41-4*		*06/11/25 12:22*	*1*

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.00	U	2.00	0.88	ppb v/v			06/11/25 13:14	4
Chlorodifluoromethane	2.00	U	2.00	1.44	ppb v/v			06/11/25 13:14	4
1,2-Dichlorotetrafluoroethane	0.80	U	0.80	0.30	ppb v/v			06/11/25 13:14	4
Chloromethane	2.00	U	2.00	1.32	ppb v/v			06/11/25 13:14	4
n-Butane	2.00	U	2.00	1.24	ppb v/v			06/11/25 13:14	4
Vinyl chloride	0.31	U	0.31	0.12	ppb v/v			06/11/25 13:14	4
1,3-Butadiene	0.80	U	0.80	0.16	ppb v/v			06/11/25 13:14	4
Bromomethane	0.80	U	0.80	0.25	ppb v/v			06/11/25 13:14	4
Chloroethane	2.00	U	2.00	0.64	ppb v/v			06/11/25 13:14	4
Bromoethene(Vinyl Bromide)	0.80	U	0.80	0.19	ppb v/v			06/11/25 13:14	4
Trichlorofluoromethane	**0.37**	**J**	0.80	0.31	ppb v/v			06/11/25 13:14	4
1,1,2-Trichlorotrifluoroethane	0.80	U	0.80	0.23	ppb v/v			06/11/25 13:14	4
1,1-Dichloroethene	0.14	U	0.14	0.14	ppb v/v			06/11/25 13:14	4
Acetone	**13.2**	**J**	20.0	7.60	ppb v/v			06/11/25 13:14	4
Isopropyl alcohol	20.0	U	20.0	8.80	ppb v/v			06/11/25 13:14	4
Carbon disulfide	2.00	U	2.00	0.72	ppb v/v			06/11/25 13:14	4
3-Chloropropene	2.00	U	2.00	0.32	ppb v/v			06/11/25 13:14	4
Methylene Chloride	2.00	U	2.00	0.76	ppb v/v			06/11/25 13:14	4
tert-Butyl alcohol	20.0	U	20.0	6.40	ppb v/v			06/11/25 13:14	4
Methyl tert-butyl ether	0.80	U	0.80	0.26	ppb v/v			06/11/25 13:14	4
trans-1,2-Dichloroethene	0.80	U	0.80	0.080	ppb v/v			06/11/25 13:14	4
n-Hexane	2.00	U	2.00	0.64	ppb v/v			06/11/25 13:14	4
1,1-Dichloroethane	0.80	U	0.80	0.072	ppb v/v			06/11/25 13:14	4
Methyl Ethyl Ketone	**1.40**	**J**	2.00	0.56	ppb v/v			06/11/25 13:14	4
cis-1,2-Dichloroethene	2.02	U	2.02	0.13	ppb v/v			06/11/25 13:14	4
1,2-Dichloroethene, Total	1.60	U	1.60	0.080	ppb v/v			06/11/25 13:14	4
Chloroform	**0.42**	**J**	0.80	0.24	ppb v/v			06/11/25 13:14	4
Tetrahydrofuran	20.0	U	20.0	6.80	ppb v/v			06/11/25 13:14	4
1,1,1-Trichloroethane	**0.34**	**J**	0.80	0.29	ppb v/v			06/11/25 13:14	4
Cyclohexane	0.80	U	0.80	0.21	ppb v/v			06/11/25 13:14	4

Client Sample ID: SV-1

Lab Sample ID: 200-78310-1

Date Collected: 06/06/25 09:53
Matrix: Air
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.14	U	0.14	0.096	ppb v/v			06/11/25 13:14	4
2,2,4-Trimethylpentane	0.80	U	0.80	0.28	ppb v/v			06/11/25 13:14	4
Benzene	**0.26**	**J**	0.80	0.20	ppb v/v			06/11/25 13:14	4
1,2-Dichloroethane	0.80	U	0.80	0.30	ppb v/v			06/11/25 13:14	4
n-Heptane	**0.37**	**J**	0.80	0.34	ppb v/v			06/11/25 13:14	4
Trichloroethene	**0.15**		0.14	0.12	ppb v/v			06/11/25 13:14	4
Methyl methacrylate	2.00	U	2.00	0.52	ppb v/v			06/11/25 13:14	4
1,2-Dichloropropane	0.80	U	0.80	0.22	ppb v/v			06/11/25 13:14	4
1,4-Dioxane	20.0	U	20.0	0.76	ppb v/v			06/11/25 13:14	4
Bromodichloromethane	0.80	U	0.80	0.23	ppb v/v			06/11/25 13:14	4
cis-1,3-Dichloropropene	0.80	U	0.80	0.22	ppb v/v			06/11/25 13:14	4
methyl isobutyl ketone	2.00	U	2.00	0.76	ppb v/v			06/11/25 13:14	4
Toluene	**0.80**		0.80	0.22	ppb v/v			06/11/25 13:14	4
trans-1,3-Dichloropropene	0.80	U	0.80	0.25	ppb v/v			06/11/25 13:14	4
1,1,2-Trichloroethane	0.80	U	0.80	0.21	ppb v/v			06/11/25 13:14	4
Tetrachloroethene	**41.0**		0.80	0.14	ppb v/v			06/11/25 13:14	4
Methyl Butyl Ketone (2-Hexanone)	2.00	U	2.00	0.80	ppb v/v			06/11/25 13:14	4
Dibromochloromethane	0.80	U	0.80	0.21	ppb v/v			06/11/25 13:14	4
1,2-Dibromoethane	0.80	U	0.80	0.18	ppb v/v			06/11/25 13:14	4
Chlorobenzene	0.80	U	0.80	0.19	ppb v/v			06/11/25 13:14	4
Ethylbenzene	**0.45**	**J**	0.80	0.20	ppb v/v			06/11/25 13:14	4
m,p-Xylene	**1.90**	**J**	2.00	0.056	ppb v/v			06/11/25 13:14	4
Xylene, o-	**0.77**	**J**	0.80	0.28	ppb v/v			06/11/25 13:14	4
Xylene (total)	**2.67**	**J**	2.80	0.056	ppb v/v			06/11/25 13:14	4
Styrene	0.80	U	0.80	0.22	ppb v/v			06/11/25 13:14	4
Bromoform	0.80	U	0.80	0.23	ppb v/v			06/11/25 13:14	4
Cumene	0.80	U	0.80	0.29	ppb v/v			06/11/25 13:14	4
1,1,2,2-Tetrachloroethane	0.80	U	0.80	0.24	ppb v/v			06/11/25 13:14	4
n-Propylbenzene	0.80	U	0.80	0.25	ppb v/v			06/11/25 13:14	4
4-Ethyltoluene	0.80	U	0.80	0.27	ppb v/v			06/11/25 13:14	4
1,3,5-Trimethylbenzene	0.80	U	0.80	0.27	ppb v/v			06/11/25 13:14	4
2-Chlorotoluene	0.80	U	0.80	0.23	ppb v/v			06/11/25 13:14	4
tert-Butylbenzene	0.80	U	0.80	0.28	ppb v/v			06/11/25 13:14	4
1,2,4-Trimethylbenzene	**0.49**	**J**	0.80	0.33	ppb v/v			06/11/25 13:14	4
sec-Butylbenzene	0.80	U	0.80	0.29	ppb v/v			06/11/25 13:14	4
4-Isopropyltoluene	0.80	U	0.80	0.31	ppb v/v			06/11/25 13:14	4
1,3-Dichlorobenzene	0.80	U	0.80	0.25	ppb v/v			06/11/25 13:14	4
1,4-Dichlorobenzene	0.80	U	0.80	0.28	ppb v/v			06/11/25 13:14	4
Benzyl chloride	0.80	U	0.80	0.30	ppb v/v			06/11/25 13:14	4
n-Butylbenzene	0.80	U	0.80	0.28	ppb v/v			06/11/25 13:14	4
1,2-Dichlorobenzene	0.80	U	0.80	0.26	ppb v/v			06/11/25 13:14	4
1,2,4-Trichlorobenzene	2.00	U	2.00	1.20	ppb v/v			06/11/25 13:14	4
Hexachlorobutadiene	0.80	U	0.80	0.31	ppb v/v			06/11/25 13:14	4
Naphthalene	2.00	U	2.00	0.44	ppb v/v			06/11/25 13:14	4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	9.89	U	9.89	4.35	ug/m3			06/11/25 13:14	4
Chlorodifluoromethane	7.07	U	7.07	5.09	ug/m3			06/11/25 13:14	4
1,2-Dichlorotetrafluoroethane	5.59	U	5.59	2.13	ug/m3			06/11/25 13:14	4

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Client Sample ID: SV-1
Date Collected: 06/06/25 09:53
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-1
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	4.13	U	4.13	2.73	ug/m3			06/11/25 13:14	4
n-Butane	4.75	U	4.75	2.95	ug/m3			06/11/25 13:14	4
Vinyl chloride	0.80	U	0.80	0.30	ug/m3			06/11/25 13:14	4
1,3-Butadiene	1.77	U	1.77	0.35	ug/m3			06/11/25 13:14	4
Bromomethane	3.11	U	3.11	0.96	ug/m3			06/11/25 13:14	4
Chloroethane	5.28	U	5.28	1.69	ug/m3			06/11/25 13:14	4
Bromoethene(Vinyl Bromide)	3.50	U	3.50	0.84	ug/m3			06/11/25 13:14	4
Trichlorofluoromethane	**2.09**	**J**	4.49	1.73	ug/m3			06/11/25 13:14	4
1,1,2-Trichlorotrifluoroethane	6.13	U	6.13	1.75	ug/m3			06/11/25 13:14	4
1,1-Dichloroethene	0.56	U	0.56	0.56	ug/m3			06/11/25 13:14	4
Acetone	**31.5**	**J**	47.5	18.1	ug/m3			06/11/25 13:14	4
Isopropyl alcohol	49.2	U	49.2	21.6	ug/m3			06/11/25 13:14	4
Carbon disulfide	6.23	U	6.23	2.24	ug/m3			06/11/25 13:14	4
3-Chloropropene	6.26	U	6.26	1.01	ug/m3			06/11/25 13:14	4
Methylene Chloride	6.95	U	6.95	2.64	ug/m3			06/11/25 13:14	4
tert-Butyl alcohol	60.6	U	60.6	19.4	ug/m3			06/11/25 13:14	4
Methyl tert-butyl ether	2.88	U	2.88	0.95	ug/m3			06/11/25 13:14	4
trans-1,2-Dichloroethene	3.17	U	3.17	0.32	ug/m3			06/11/25 13:14	4
n-Hexane	7.05	U	7.05	2.26	ug/m3			06/11/25 13:14	4
1,1-Dichloroethane	3.24	U	3.24	0.29	ug/m3			06/11/25 13:14	4
Methyl Ethyl Ketone	**4.12**	**J**	5.90	1.65	ug/m3			06/11/25 13:14	4
cis-1,2-Dichloroethene	7.99	U	7.99	0.51	ug/m3			06/11/25 13:14	4
1,2-Dichloroethene, Total	6.34	U	6.34	0.32	ug/m3			06/11/25 13:14	4
Chloroform	**2.07**	**J**	3.91	1.15	ug/m3			06/11/25 13:14	4
Tetrahydrofuran	59.0	U	59.0	20.1	ug/m3			06/11/25 13:14	4
1,1,1-Trichloroethane	**1.84**	**J**	4.37	1.59	ug/m3			06/11/25 13:14	4
Cyclohexane	2.75	U	2.75	0.72	ug/m3			06/11/25 13:14	4
Carbon tetrachloride	0.88	U	0.88	0.60	ug/m3			06/11/25 13:14	4
2,2,4-Trimethylpentane	3.74	U	3.74	1.33	ug/m3			06/11/25 13:14	4
Benzene	**0.84**	**J**	2.56	0.65	ug/m3			06/11/25 13:14	4
1,2-Dichloroethane	3.24	U	3.24	1.20	ug/m3			06/11/25 13:14	4
n-Heptane	**1.51**	**J**	3.28	1.41	ug/m3			06/11/25 13:14	4
Trichloroethene	**0.81**		0.75	0.62	ug/m3			06/11/25 13:14	4
Methyl methacrylate	8.19	U	8.19	2.13	ug/m3			06/11/25 13:14	4
1,2-Dichloropropane	3.70	U	3.70	1.02	ug/m3			06/11/25 13:14	4
1,4-Dioxane	72.1	U	72.1	2.74	ug/m3			06/11/25 13:14	4
Bromodichloromethane	5.36	U	5.36	1.55	ug/m3			06/11/25 13:14	4
cis-1,3-Dichloropropene	3.63	U	3.63	1.02	ug/m3			06/11/25 13:14	4
methyl isobutyl ketone	8.19	U	8.19	3.11	ug/m3			06/11/25 13:14	4
Toluene	**3.02**		3.01	0.81	ug/m3			06/11/25 13:14	4
trans-1,3-Dichloropropene	3.63	U	3.63	1.13	ug/m3			06/11/25 13:14	4
1,1,2-Trichloroethane	4.37	U	4.37	1.16	ug/m3			06/11/25 13:14	4
Tetrachloroethene	**278**		5.43	0.98	ug/m3			06/11/25 13:14	4
Methyl Butyl Ketone (2-Hexanone)	8.20	U	8.20	3.28	ug/m3			06/11/25 13:14	4
Dibromochloromethane	6.81	U	6.81	1.81	ug/m3			06/11/25 13:14	4
1,2-Dibromoethane	6.15	U	6.15	1.38	ug/m3			06/11/25 13:14	4
Chlorobenzene	3.68	U	3.68	0.87	ug/m3			06/11/25 13:14	4
Ethylbenzene	**1.96**	**J**	3.47	0.89	ug/m3			06/11/25 13:14	4

Client Sample ID: SV-1

Lab Sample ID: 200-78310-1
Matrix: Air
Date Collected: 06/06/25 09:53
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylene	**8.26**	**J**	8.68	0.24	ug/m3			06/11/25 13:14	4
Xylene, o-	**3.33**	**J**	3.47	1.20	ug/m3			06/11/25 13:14	4
Xylene (total)	**11.6**	**J**	12.2	0.24	ug/m3			06/11/25 13:14	4
Styrene	3.41	U	3.41	0.95	ug/m3			06/11/25 13:14	4
Bromoform	8.27	U	8.27	2.40	ug/m3			06/11/25 13:14	4
Cumene	3.93	U	3.93	1.42	ug/m3			06/11/25 13:14	4
1,1,2,2-Tetrachloroethane	5.49	U	5.49	1.68	ug/m3			06/11/25 13:14	4
n-Propylbenzene	3.93	U	3.93	1.22	ug/m3			06/11/25 13:14	4
4-Ethyltoluene	3.93	U	3.93	1.34	ug/m3			06/11/25 13:14	4
1,3,5-Trimethylbenzene	3.93	U	3.93	1.34	ug/m3			06/11/25 13:14	4
2-Chlorotoluene	4.14	U	4.14	1.20	ug/m3			06/11/25 13:14	4
tert-Butylbenzene	4.39	U	4.39	1.54	ug/m3			06/11/25 13:14	4
1,2,4-Trimethylbenzene	**2.43**	**J**	3.93	1.61	ug/m3			06/11/25 13:14	4
sec-Butylbenzene	4.39	U	4.39	1.58	ug/m3			06/11/25 13:14	4
4-Isopropyltoluene	4.39	U	4.39	1.71	ug/m3			06/11/25 13:14	4
1,3-Dichlorobenzene	4.81	U	4.81	1.52	ug/m3			06/11/25 13:14	4
1,4-Dichlorobenzene	4.81	U	4.81	1.68	ug/m3			06/11/25 13:14	4
Benzyl chloride	4.14	U	4.14	1.53	ug/m3			06/11/25 13:14	4
n-Butylbenzene	4.39	U	4.39	1.54	ug/m3			06/11/25 13:14	4
1,2-Dichlorobenzene	4.81	U	4.81	1.59	ug/m3			06/11/25 13:14	4
1,2,4-Trichlorobenzene	14.8	U	14.8	8.91	ug/m3			06/11/25 13:14	4
Hexachlorobutadiene	8.53	U	8.53	3.33	ug/m3			06/11/25 13:14	4
Naphthalene	10.5	U	10.5	2.31	ug/m3			06/11/25 13:14	4

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*25.0*	*J*	*ppb v/v*		*11.09*	*N/A*		*06/11/25 13:14*	*4*
1-Butanol	*32.4*	*J N*	*ppb v/v*		*13.76*	*71-36-3*		*06/11/25 13:14*	*4*
Unknown	*4.42*	*J*	*ppb v/v*		*21.40*	*N/A*		*06/11/25 13:14*	*4*

Client Sample ID: SV-2

Lab Sample ID: 200-78310-2
Matrix: Air
Date Collected: 06/06/25 09:36
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.50**		0.50	0.22	ppb v/v			06/11/25 11:31	1
Chlorodifluoromethane	**1.45**		0.50	0.36	ppb v/v			06/11/25 11:31	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.076	ppb v/v			06/11/25 11:31	1
Chloromethane	0.50	U	0.50	0.33	ppb v/v			06/11/25 11:31	1
n-Butane	**0.34**	**J**	0.50	0.31	ppb v/v			06/11/25 11:31	1
Vinyl chloride	0.078	U	0.078	0.029	ppb v/v			06/11/25 11:31	1
1,3-Butadiene	0.20	U	0.20	0.040	ppb v/v			06/11/25 11:31	1
Bromomethane	0.20	U	0.20	0.062	ppb v/v			06/11/25 11:31	1
Chloroethane	0.50	U	0.50	0.16	ppb v/v			06/11/25 11:31	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.048	ppb v/v			06/11/25 11:31	1
Trichlorofluoromethane	**0.47**		0.20	0.077	ppb v/v			06/11/25 11:31	1
1,1,2-Trichlorotrifluoroethane	**0.078**	**J**	0.20	0.057	ppb v/v			06/11/25 11:31	1
1,1-Dichloroethene	0.035	U	0.035	0.035	ppb v/v			06/11/25 11:31	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Client Sample ID: SV-2
Date Collected: 06/06/25 09:36
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-2
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.00	U	5.00	1.90	ppb v/v			06/11/25 11:31	1
Isopropyl alcohol	**3.50**	**J**	5.00	2.20	ppb v/v			06/11/25 11:31	1
Carbon disulfide	**0.39**	**J**	0.50	0.18	ppb v/v			06/11/25 11:31	1
3-Chloropropene	0.50	U	0.50	0.081	ppb v/v			06/11/25 11:31	1
Methylene Chloride	0.50	U	0.50	0.19	ppb v/v			06/11/25 11:31	1
tert-Butyl alcohol	5.00	U	5.00	1.60	ppb v/v			06/11/25 11:31	1
Methyl tert-butyl ether	0.20	U	0.20	0.066	ppb v/v			06/11/25 11:31	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.020	ppb v/v			06/11/25 11:31	1
n-Hexane	**1.22**		0.50	0.16	ppb v/v			06/11/25 11:31	1
1,1-Dichloroethane	0.20	U	0.20	0.018	ppb v/v			06/11/25 11:31	1
Methyl Ethyl Ketone	**0.21**	**J**	0.50	0.14	ppb v/v			06/11/25 11:31	1
cis-1,2-Dichloroethene	0.50	U	0.50	0.032	ppb v/v			06/11/25 11:31	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.020	ppb v/v			06/11/25 11:31	1
Chloroform	**0.19**	**J**	0.20	0.059	ppb v/v			06/11/25 11:31	1
Tetrahydrofuran	5.00	U	5.00	1.70	ppb v/v			06/11/25 11:31	1
1,1,1-Trichloroethane	**0.34**		0.20	0.073	ppb v/v			06/11/25 11:31	1
Cyclohexane	**0.074**	**J**	0.20	0.052	ppb v/v			06/11/25 11:31	1
Carbon tetrachloride	**0.042**		0.035	0.024	ppb v/v			06/11/25 11:31	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.071	ppb v/v			06/11/25 11:31	1
Benzene	**0.14**	**J**	0.20	0.051	ppb v/v			06/11/25 11:31	1
1,2-Dichloroethane	0.20	U	0.20	0.074	ppb v/v			06/11/25 11:31	1
n-Heptane	**0.58**		0.20	0.086	ppb v/v			06/11/25 11:31	1
Trichloroethene	**0.046**		0.035	0.029	ppb v/v			06/11/25 11:31	1
Methyl methacrylate	0.50	U	0.50	0.13	ppb v/v			06/11/25 11:31	1
1,2-Dichloropropane	0.20	U	0.20	0.055	ppb v/v			06/11/25 11:31	1
1,4-Dioxane	5.00	U	5.00	0.19	ppb v/v			06/11/25 11:31	1
Bromodichloromethane	0.20	U	0.20	0.058	ppb v/v			06/11/25 11:31	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.056	ppb v/v			06/11/25 11:31	1
methyl isobutyl ketone	**0.27**	**J**	0.50	0.19	ppb v/v			06/11/25 11:31	1
Toluene	**0.81**		0.20	0.054	ppb v/v			06/11/25 11:31	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.062	ppb v/v			06/11/25 11:31	1
1,1,2-Trichloroethane	0.20	U	0.20	0.053	ppb v/v			06/11/25 11:31	1
Tetrachloroethene	**26.9**		0.20	0.036	ppb v/v			06/11/25 11:31	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.20	ppb v/v			06/11/25 11:31	1
Dibromochloromethane	0.20	U	0.20	0.053	ppb v/v			06/11/25 11:31	1
1,2-Dibromoethane	0.20	U	0.20	0.045	ppb v/v			06/11/25 11:31	1
Chlorobenzene	**0.16**	**J**	0.20	0.047	ppb v/v			06/11/25 11:31	1
Ethylbenzene	**0.52**		0.20	0.051	ppb v/v			06/11/25 11:31	1
m,p-Xylene	**2.11**		0.50	0.014	ppb v/v			06/11/25 11:31	1
Xylene, o-	**0.87**		0.20	0.069	ppb v/v			06/11/25 11:31	1
Xylene (total)	**2.98**		0.70	0.014	ppb v/v			06/11/25 11:31	1
Styrene	**0.25**		0.20	0.056	ppb v/v			06/11/25 11:31	1
Bromoform	0.20	U	0.20	0.058	ppb v/v			06/11/25 11:31	1
Cumene	0.20	U	0.20	0.072	ppb v/v			06/11/25 11:31	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.061	ppb v/v			06/11/25 11:31	1
n-Propylbenzene	**0.10**	**J**	0.20	0.062	ppb v/v			06/11/25 11:31	1
4-Ethyltoluene	**0.15**	**J**	0.20	0.068	ppb v/v			06/11/25 11:31	1
1,3,5-Trimethylbenzene	**0.14**	**J**	0.20	0.068	ppb v/v			06/11/25 11:31	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Client Sample ID: SV-2
Date Collected: 06/06/25 09:36
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-2
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.20	U	0.20	0.058	ppb v/v			06/11/25 11:31	1
tert-Butylbenzene	0.20	U	0.20	0.070	ppb v/v			06/11/25 11:31	1
1,2,4-Trimethylbenzene	**0.64**		0.20	0.082	ppb v/v			06/11/25 11:31	1
sec-Butylbenzene	0.20	U	0.20	0.072	ppb v/v			06/11/25 11:31	1
4-Isopropyltoluene	0.20	U	0.20	0.078	ppb v/v			06/11/25 11:31	1
1,3-Dichlorobenzene	**0.11**	**J**	0.20	0.063	ppb v/v			06/11/25 11:31	1
1,4-Dichlorobenzene	0.20	U	0.20	0.070	ppb v/v			06/11/25 11:31	1
Benzyl chloride	0.20	U	0.20	0.074	ppb v/v			06/11/25 11:31	1
n-Butylbenzene	**0.079**	**J**	0.20	0.070	ppb v/v			06/11/25 11:31	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			06/11/25 11:31	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.30	ppb v/v			06/11/25 11:31	1
Hexachlorobutadiene	0.20	U	0.20	0.078	ppb v/v			06/11/25 11:31	1
Naphthalene	**0.21**	**J**	0.50	0.11	ppb v/v			06/11/25 11:31	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.47**		2.47	1.09	ug/m3			06/11/25 11:31	1
Chlorodifluoromethane	**5.14**		1.77	1.27	ug/m3			06/11/25 11:31	1
1,2-Dichlorotetrafluoroethane	1.40	U	1.40	0.53	ug/m3			06/11/25 11:31	1
Chloromethane	1.03	U	1.03	0.68	ug/m3			06/11/25 11:31	1
n-Butane	**0.82**	**J**	1.19	0.74	ug/m3			06/11/25 11:31	1
Vinyl chloride	0.20	U	0.20	0.074	ug/m3			06/11/25 11:31	1
1,3-Butadiene	0.44	U	0.44	0.088	ug/m3			06/11/25 11:31	1
Bromomethane	0.78	U	0.78	0.24	ug/m3			06/11/25 11:31	1
Chloroethane	1.32	U	1.32	0.42	ug/m3			06/11/25 11:31	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.21	ug/m3			06/11/25 11:31	1
Trichlorofluoromethane	**2.65**		1.12	0.43	ug/m3			06/11/25 11:31	1
1,1,2-Trichlorotrifluoroethane	**0.60**	**J**	1.53	0.44	ug/m3			06/11/25 11:31	1
1,1-Dichloroethene	0.14	U	0.14	0.14	ug/m3			06/11/25 11:31	1
Acetone	11.9	U	11.9	4.51	ug/m3			06/11/25 11:31	1
Isopropyl alcohol	**8.60**	**J**	12.3	5.41	ug/m3			06/11/25 11:31	1
Carbon disulfide	**1.22**	**J**	1.56	0.56	ug/m3			06/11/25 11:31	1
3-Chloropropene	1.57	U	1.57	0.25	ug/m3			06/11/25 11:31	1
Methylene Chloride	1.74	U	1.74	0.66	ug/m3			06/11/25 11:31	1
tert-Butyl alcohol	15.2	U	15.2	4.85	ug/m3			06/11/25 11:31	1
Methyl tert-butyl ether	0.72	U	0.72	0.24	ug/m3			06/11/25 11:31	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.079	ug/m3			06/11/25 11:31	1
n-Hexane	**4.31**		1.76	0.56	ug/m3			06/11/25 11:31	1
1,1-Dichloroethane	0.81	U	0.81	0.073	ug/m3			06/11/25 11:31	1
Methyl Ethyl Ketone	**0.63**	**J**	1.47	0.41	ug/m3			06/11/25 11:31	1
cis-1,2-Dichloroethene	2.00	U	2.00	0.13	ug/m3			06/11/25 11:31	1
1,2-Dichloroethene, Total	1.59	U	1.59	0.079	ug/m3			06/11/25 11:31	1
Chloroform	**0.92**	**J**	0.98	0.29	ug/m3			06/11/25 11:31	1
Tetrahydrofuran	14.7	U	14.7	5.01	ug/m3			06/11/25 11:31	1
1,1,1-Trichloroethane	**1.87**		1.09	0.40	ug/m3			06/11/25 11:31	1
Cyclohexane	**0.25**	**J**	0.69	0.18	ug/m3			06/11/25 11:31	1
Carbon tetrachloride	**0.27**		0.22	0.15	ug/m3			06/11/25 11:31	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.33	ug/m3			06/11/25 11:31	1
Benzene	**0.45**	**J**	0.64	0.16	ug/m3			06/11/25 11:31	1
1,2-Dichloroethane	0.81	U	0.81	0.30	ug/m3			06/11/25 11:31	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Client Sample ID: SV-2
Date Collected: 06/06/25 09:36
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-2
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Heptane	**2.39**		0.82	0.35	ug/m3			06/11/25 11:31	1
Trichloroethene	**0.25**		0.19	0.16	ug/m3			06/11/25 11:31	1
Methyl methacrylate	2.05	U	2.05	0.53	ug/m3			06/11/25 11:31	1
1,2-Dichloropropane	0.92	U	0.92	0.25	ug/m3			06/11/25 11:31	1
1,4-Dioxane	18.0	U	18.0	0.68	ug/m3			06/11/25 11:31	1
Bromodichloromethane	1.34	U	1.34	0.39	ug/m3			06/11/25 11:31	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			06/11/25 11:31	1
methyl isobutyl ketone	**1.10**	**J**	2.05	0.78	ug/m3			06/11/25 11:31	1
Toluene	**3.04**		0.75	0.20	ug/m3			06/11/25 11:31	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.28	ug/m3			06/11/25 11:31	1
1,1,2-Trichloroethane	1.09	U	1.09	0.29	ug/m3			06/11/25 11:31	1
Tetrachloroethene	**183**		1.36	0.24	ug/m3			06/11/25 11:31	1
Methyl Butyl Ketone (2-Hexanone)	2.05	U	2.05	0.82	ug/m3			06/11/25 11:31	1
Dibromochloromethane	1.70	U	1.70	0.45	ug/m3			06/11/25 11:31	1
1,2-Dibromoethane	1.54	U	1.54	0.35	ug/m3			06/11/25 11:31	1
Chlorobenzene	**0.72**	**J**	0.92	0.22	ug/m3			06/11/25 11:31	1
Ethylbenzene	**2.26**		0.87	0.22	ug/m3			06/11/25 11:31	1
m,p-Xylene	**9.14**		2.17	0.061	ug/m3			06/11/25 11:31	1
Xylene, o-	**3.78**		0.87	0.30	ug/m3			06/11/25 11:31	1
Xylene (total)	**12.9**		3.04	0.061	ug/m3			06/11/25 11:31	1
Styrene	**1.05**		0.85	0.24	ug/m3			06/11/25 11:31	1
Bromoform	2.07	U	2.07	0.60	ug/m3			06/11/25 11:31	1
Cumene	0.98	U	0.98	0.35	ug/m3			06/11/25 11:31	1
1,1,2,2-Tetrachloroethane	1.37	U	1.37	0.42	ug/m3			06/11/25 11:31	1
n-Propylbenzene	**0.50**	**J**	0.98	0.30	ug/m3			06/11/25 11:31	1
4-Ethyltoluene	**0.76**	**J**	0.98	0.33	ug/m3			06/11/25 11:31	1
1,3,5-Trimethylbenzene	**0.71**	**J**	0.98	0.33	ug/m3			06/11/25 11:31	1
2-Chlorotoluene	1.04	U	1.04	0.30	ug/m3			06/11/25 11:31	1
tert-Butylbenzene	1.10	U	1.10	0.38	ug/m3			06/11/25 11:31	1
1,2,4-Trimethylbenzene	**3.14**		0.98	0.40	ug/m3			06/11/25 11:31	1
sec-Butylbenzene	1.10	U	1.10	0.40	ug/m3			06/11/25 11:31	1
4-Isopropyltoluene	1.10	U	1.10	0.43	ug/m3			06/11/25 11:31	1
1,3-Dichlorobenzene	**0.68**	**J**	1.20	0.38	ug/m3			06/11/25 11:31	1
1,4-Dichlorobenzene	1.20	U	1.20	0.42	ug/m3			06/11/25 11:31	1
Benzyl chloride	1.04	U	1.04	0.38	ug/m3			06/11/25 11:31	1
n-Butylbenzene	**0.44**	**J**	1.10	0.38	ug/m3			06/11/25 11:31	1
1,2-Dichlorobenzene	1.20	U	1.20	0.40	ug/m3			06/11/25 11:31	1
1,2,4-Trichlorobenzene	3.71	U	3.71	2.23	ug/m3			06/11/25 11:31	1
Hexachlorobutadiene	2.13	U	2.13	0.83	ug/m3			06/11/25 11:31	1
Naphthalene	**1.10**	**J**	2.62	0.58	ug/m3			06/11/25 11:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.16*	*J*	*ppb v/v*		*11.09*	*N/A*		*06/11/25 11:31*	*1*
Cyclotrisiloxane, hexamethyl-	*1.41*	*J N*	*ppb v/v*		*16.98*	*541-05-9*		*06/11/25 11:31*	*1*
Unknown	*1.23*	*J*	*ppb v/v*		*17.77*	*N/A*		*06/11/25 11:31*	*1*
Unknown	*5.24*	*J*	*ppb v/v*		*21.41*	*N/A*		*06/11/25 11:31*	*1*
2-Nonene, 3-methyl-, (E)-	*1.18*	*J N*	*ppb v/v*		*22.15*	*17003-99-5*		*06/11/25 11:31*	*1*
Unknown	*1.73*	*J*	*ppb v/v*		*23.02*	*N/A*		*06/11/25 11:31*	*1*
4-Cyanocyclohexene	*1.23*	*J N*	*ppb v/v*		*23.77*	*100-45-8*		*06/11/25 11:31*	*1*

Client Sample ID: SV-2

Lab Sample ID: 200-78310-2

Date Collected: 06/06/25 09:36
Matrix: Air
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
1-Dodecene	2.77	J N	ppb v/v		25.22	112-41-4		06/11/25 11:31	1

Client Sample ID: SV-3

Lab Sample ID: 200-78310-3

Date Collected: 06/06/25 10:18
Matrix: Air
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.48**	**J**	0.50	0.22	ppb v/v			06/11/25 14:05	1
Chlorodifluoromethane	**0.51**		0.50	0.36	ppb v/v			06/11/25 14:05	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.076	ppb v/v			06/11/25 14:05	1
Chloromethane	**0.72**		0.50	0.33	ppb v/v			06/11/25 14:05	1
n-Butane	**2.80**		0.50	0.31	ppb v/v			06/11/25 14:05	1
Vinyl chloride	0.078	U	0.078	0.029	ppb v/v			06/11/25 14:05	1
1,3-Butadiene	**4.58**		0.20	0.040	ppb v/v			06/11/25 14:05	1
Bromomethane	0.20	U	0.20	0.062	ppb v/v			06/11/25 14:05	1
Chloroethane	0.50	U	0.50	0.16	ppb v/v			06/11/25 14:05	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.048	ppb v/v			06/11/25 14:05	1
Trichlorofluoromethane	**0.28**		0.20	0.077	ppb v/v			06/11/25 14:05	1
1,1,2-Trichlorotrifluoroethane	**0.076**	**J**	0.20	0.057	ppb v/v			06/11/25 14:05	1
1,1-Dichloroethene	0.035	U	0.035	0.035	ppb v/v			06/11/25 14:05	1
Acetone	**293**	**E**	5.00	1.90	ppb v/v			06/11/25 14:05	1
Isopropyl alcohol	**25.5**		5.00	2.20	ppb v/v			06/11/25 14:05	1
Carbon disulfide	**1.04**		0.50	0.18	ppb v/v			06/11/25 14:05	1
3-Chloropropene	0.50	U	0.50	0.081	ppb v/v			06/11/25 14:05	1
Methylene Chloride	**0.75**		0.50	0.19	ppb v/v			06/11/25 14:05	1
tert-Butyl alcohol	**2.41**	**J**	5.00	1.60	ppb v/v			06/11/25 14:05	1
Methyl tert-butyl ether	0.20	U	0.20	0.066	ppb v/v			06/11/25 14:05	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.020	ppb v/v			06/11/25 14:05	1
n-Hexane	**5.00**		0.50	0.16	ppb v/v			06/11/25 14:05	1
1,1-Dichloroethane	0.20	U	0.20	0.018	ppb v/v			06/11/25 14:05	1
Methyl Ethyl Ketone	**16.7**		0.50	0.14	ppb v/v			06/11/25 14:05	1
cis-1,2-Dichloroethene	0.50	U	0.50	0.032	ppb v/v			06/11/25 14:05	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.020	ppb v/v			06/11/25 14:05	1
Chloroform	**0.14**	**J**	0.20	0.059	ppb v/v			06/11/25 14:05	1
Tetrahydrofuran	**1.83**	**J**	5.00	1.70	ppb v/v			06/11/25 14:05	1
1,1,1-Trichloroethane	**0.12**	**J**	0.20	0.073	ppb v/v			06/11/25 14:05	1
Cyclohexane	**1.26**		0.20	0.052	ppb v/v			06/11/25 14:05	1
Carbon tetrachloride	**0.079**		0.035	0.024	ppb v/v			06/11/25 14:05	1
2,2,4-Trimethylpentane	**1.68**		0.20	0.071	ppb v/v			06/11/25 14:05	1
Benzene	**4.28**		0.20	0.051	ppb v/v			06/11/25 14:05	1
1,2-Dichloroethane	0.20	U	0.20	0.074	ppb v/v			06/11/25 14:05	1
n-Heptane	**3.35**		0.20	0.086	ppb v/v			06/11/25 14:05	1
Trichloroethene	**0.21**		0.035	0.029	ppb v/v			06/11/25 14:05	1
Methyl methacrylate	0.50	U	0.50	0.13	ppb v/v			06/11/25 14:05	1
1,2-Dichloropropane	0.20	U	0.20	0.055	ppb v/v			06/11/25 14:05	1
1,4-Dioxane	**0.72**	**J**	5.00	0.19	ppb v/v			06/11/25 14:05	1

Client Sample ID: SV-3
Date Collected: 06/06/25 10:18
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-3
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.20	U	0.20	0.058	ppb v/v			06/11/25 14:05	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.056	ppb v/v			06/11/25 14:05	1
methyl isobutyl ketone	**1.05**		0.50	0.19	ppb v/v			06/11/25 14:05	1
Toluene	**4.34**		0.20	0.054	ppb v/v			06/11/25 14:05	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.062	ppb v/v			06/11/25 14:05	1
1,1,2-Trichloroethane	0.20	U	0.20	0.053	ppb v/v			06/11/25 14:05	1
Tetrachloroethene	**25.2**		0.20	0.036	ppb v/v			06/11/25 14:05	1
Methyl Butyl Ketone (2-Hexanone)	**0.65**		0.50	0.20	ppb v/v			06/11/25 14:05	1
Dibromochloromethane	0.20	U	0.20	0.053	ppb v/v			06/11/25 14:05	1
1,2-Dibromoethane	0.20	U	0.20	0.045	ppb v/v			06/11/25 14:05	1
Chlorobenzene	**0.14**	**J**	0.20	0.047	ppb v/v			06/11/25 14:05	1
Ethylbenzene	**2.85**		0.20	0.051	ppb v/v			06/11/25 14:05	1
m,p-Xylene	**12.3**		0.50	0.014	ppb v/v			06/11/25 14:05	1
Xylene, o-	**4.59**		0.20	0.069	ppb v/v			06/11/25 14:05	1
Xylene (total)	**16.9**		0.70	0.014	ppb v/v			06/11/25 14:05	1
Styrene	**0.53**		0.20	0.056	ppb v/v			06/11/25 14:05	1
Bromoform	0.20	U	0.20	0.058	ppb v/v			06/11/25 14:05	1
Cumene	**0.18**	**J**	0.20	0.072	ppb v/v			06/11/25 14:05	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.061	ppb v/v			06/11/25 14:05	1
n-Propylbenzene	**0.31**		0.20	0.062	ppb v/v			06/11/25 14:05	1
4-Ethyltoluene	**0.42**		0.20	0.068	ppb v/v			06/11/25 14:05	1
1,3,5-Trimethylbenzene	**0.41**		0.20	0.068	ppb v/v			06/11/25 14:05	1
2-Chlorotoluene	0.20	U	0.20	0.058	ppb v/v			06/11/25 14:05	1
tert-Butylbenzene	0.20	U	0.20	0.070	ppb v/v			06/11/25 14:05	1
1,2,4-Trimethylbenzene	**1.53**		0.20	0.082	ppb v/v			06/11/25 14:05	1
sec-Butylbenzene	0.20	U	0.20	0.072	ppb v/v			06/11/25 14:05	1
4-Isopropyltoluene	**0.13**	**J**	0.20	0.078	ppb v/v			06/11/25 14:05	1
1,3-Dichlorobenzene	**0.081**	**J**	0.20	0.063	ppb v/v			06/11/25 14:05	1
1,4-Dichlorobenzene	0.20	U	0.20	0.070	ppb v/v			06/11/25 14:05	1
Benzyl chloride	0.20	U	0.20	0.074	ppb v/v			06/11/25 14:05	1
n-Butylbenzene	**0.10**	**J**	0.20	0.070	ppb v/v			06/11/25 14:05	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			06/11/25 14:05	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.30	ppb v/v			06/11/25 14:05	1
Hexachlorobutadiene	0.20	U	0.20	0.078	ppb v/v			06/11/25 14:05	1
Naphthalene	**0.16**	**J**	0.50	0.11	ppb v/v			06/11/25 14:05	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.39**	**J**	2.47	1.09	ug/m3			06/11/25 14:05	1
Chlorodifluoromethane	**1.82**		1.77	1.27	ug/m3			06/11/25 14:05	1
1,2-Dichlorotetrafluoroethane	1.40	U	1.40	0.53	ug/m3			06/11/25 14:05	1
Chloromethane	**1.48**		1.03	0.68	ug/m3			06/11/25 14:05	1
n-Butane	**6.67**		1.19	0.74	ug/m3			06/11/25 14:05	1
Vinyl chloride	0.20	U	0.20	0.074	ug/m3			06/11/25 14:05	1
1,3-Butadiene	**10.1**		0.44	0.088	ug/m3			06/11/25 14:05	1
Bromomethane	0.78	U	0.78	0.24	ug/m3			06/11/25 14:05	1
Chloroethane	1.32	U	1.32	0.42	ug/m3			06/11/25 14:05	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.21	ug/m3			06/11/25 14:05	1
Trichlorofluoromethane	**1.59**		1.12	0.43	ug/m3			06/11/25 14:05	1
1,1,2-Trichlorotrifluoroethane	**0.58**	**J**	1.53	0.44	ug/m3			06/11/25 14:05	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Client Sample ID: SV-3
Date Collected: 06/06/25 10:18
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-3
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.14	U	0.14	0.14	ug/m3			06/11/25 14:05	1
Acetone	**695**	**E**	11.9	4.51	ug/m3			06/11/25 14:05	1
Isopropyl alcohol	**62.6**		12.3	5.41	ug/m3			06/11/25 14:05	1
Carbon disulfide	**3.25**		1.56	0.56	ug/m3			06/11/25 14:05	1
3-Chloropropene	1.57	U	1.57	0.25	ug/m3			06/11/25 14:05	1
Methylene Chloride	**2.59**		1.74	0.66	ug/m3			06/11/25 14:05	1
tert-Butyl alcohol	**7.31**	**J**	15.2	4.85	ug/m3			06/11/25 14:05	1
Methyl tert-butyl ether	0.72	U	0.72	0.24	ug/m3			06/11/25 14:05	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.079	ug/m3			06/11/25 14:05	1
n-Hexane	**17.6**		1.76	0.56	ug/m3			06/11/25 14:05	1
1,1-Dichloroethane	0.81	U	0.81	0.073	ug/m3			06/11/25 14:05	1
Methyl Ethyl Ketone	**49.3**		1.47	0.41	ug/m3			06/11/25 14:05	1
cis-1,2-Dichloroethene	2.00	U	2.00	0.13	ug/m3			06/11/25 14:05	1
1,2-Dichloroethene, Total	1.59	U	1.59	0.079	ug/m3			06/11/25 14:05	1
Chloroform	**0.68**	**J**	0.98	0.29	ug/m3			06/11/25 14:05	1
Tetrahydrofuran	**5.39**	**J**	14.7	5.01	ug/m3			06/11/25 14:05	1
1,1,1-Trichloroethane	**0.65**	**J**	1.09	0.40	ug/m3			06/11/25 14:05	1
Cyclohexane	**4.34**		0.69	0.18	ug/m3			06/11/25 14:05	1
Carbon tetrachloride	**0.50**		0.22	0.15	ug/m3			06/11/25 14:05	1
2,2,4-Trimethylpentane	**7.84**		0.93	0.33	ug/m3			06/11/25 14:05	1
Benzene	**13.7**		0.64	0.16	ug/m3			06/11/25 14:05	1
1,2-Dichloroethane	0.81	U	0.81	0.30	ug/m3			06/11/25 14:05	1
n-Heptane	**13.7**		0.82	0.35	ug/m3			06/11/25 14:05	1
Trichloroethene	**1.13**		0.19	0.16	ug/m3			06/11/25 14:05	1
Methyl methacrylate	2.05	U	2.05	0.53	ug/m3			06/11/25 14:05	1
1,2-Dichloropropane	0.92	U	0.92	0.25	ug/m3			06/11/25 14:05	1
1,4-Dioxane	**2.60**	**J**	18.0	0.68	ug/m3			06/11/25 14:05	1
Bromodichloromethane	1.34	U	1.34	0.39	ug/m3			06/11/25 14:05	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			06/11/25 14:05	1
methyl isobutyl ketone	**4.30**		2.05	0.78	ug/m3			06/11/25 14:05	1
Toluene	**16.4**		0.75	0.20	ug/m3			06/11/25 14:05	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.28	ug/m3			06/11/25 14:05	1
1,1,2-Trichloroethane	1.09	U	1.09	0.29	ug/m3			06/11/25 14:05	1
Tetrachloroethene	**171**		1.36	0.24	ug/m3			06/11/25 14:05	1
Methyl Butyl Ketone (2-Hexanone)	**2.67**		2.05	0.82	ug/m3			06/11/25 14:05	1
Dibromochloromethane	1.70	U	1.70	0.45	ug/m3			06/11/25 14:05	1
1,2-Dibromoethane	1.54	U	1.54	0.35	ug/m3			06/11/25 14:05	1
Chlorobenzene	**0.64**	**J**	0.92	0.22	ug/m3			06/11/25 14:05	1
Ethylbenzene	**12.4**		0.87	0.22	ug/m3			06/11/25 14:05	1
m,p-Xylene	**53.3**		2.17	0.061	ug/m3			06/11/25 14:05	1
Xylene, o-	**19.9**		0.87	0.30	ug/m3			06/11/25 14:05	1
Xylene (total)	**73.3**		3.04	0.061	ug/m3			06/11/25 14:05	1
Styrene	**2.26**		0.85	0.24	ug/m3			06/11/25 14:05	1
Bromoform	2.07	U	2.07	0.60	ug/m3			06/11/25 14:05	1
Cumene	**0.90**	**J**	0.98	0.35	ug/m3			06/11/25 14:05	1
1,1,2,2-Tetrachloroethane	1.37	U	1.37	0.42	ug/m3			06/11/25 14:05	1
n-Propylbenzene	**1.50**		0.98	0.30	ug/m3			06/11/25 14:05	1
4-Ethyltoluene	**2.07**		0.98	0.33	ug/m3			06/11/25 14:05	1

Client Sample ID: SV-3
Date Collected: 06/06/25 10:18
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-3
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	**2.02**		0.98	0.33	ug/m3			06/11/25 14:05	1
2-Chlorotoluene	1.04	U	1.04	0.30	ug/m3			06/11/25 14:05	1
tert-Butylbenzene	1.10	U	1.10	0.38	ug/m3			06/11/25 14:05	1
1,2,4-Trimethylbenzene	**7.55**		0.98	0.40	ug/m3			06/11/25 14:05	1
sec-Butylbenzene	1.10	U	1.10	0.40	ug/m3			06/11/25 14:05	1
4-Isopropyltoluene	**0.69**	**J**	1.10	0.43	ug/m3			06/11/25 14:05	1
1,3-Dichlorobenzene	**0.49**	**J**	1.20	0.38	ug/m3			06/11/25 14:05	1
1,4-Dichlorobenzene	1.20	U	1.20	0.42	ug/m3			06/11/25 14:05	1
Benzyl chloride	1.04	U	1.04	0.38	ug/m3			06/11/25 14:05	1
n-Butylbenzene	**0.55**	**J**	1.10	0.38	ug/m3			06/11/25 14:05	1
1,2-Dichlorobenzene	1.20	U	1.20	0.40	ug/m3			06/11/25 14:05	1
1,2,4-Trichlorobenzene	3.71	U	3.71	2.23	ug/m3			06/11/25 14:05	1
Hexachlorobutadiene	2.13	U	2.13	0.83	ug/m3			06/11/25 14:05	1
Naphthalene	**0.86**	**J**	2.62	0.58	ug/m3			06/11/25 14:05	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Propene	*4.56*	*J N*	*ppb v/v*		*4.27*	*115-07-1*		*06/11/25 14:05*	*1*
Unknown	*3.72*	*J*	*ppb v/v*		*5.49*	*N/A*		*06/11/25 14:05*	*1*
Butane, 2-methyl-	*7.05*	*J N*	*ppb v/v*		*6.53*	*78-78-4*		*06/11/25 14:05*	*1*
Pentane	*7.15*	*J N*	*ppb v/v*		*7.12*	*109-66-0*		*06/11/25 14:05*	*1*
Unknown	*4.61*	*J*	*ppb v/v*		*7.31*	*N/A*		*06/11/25 14:05*	*1*
Pentane, 2-methyl-	*6.99*	*J N*	*ppb v/v*		*9.01*	*107-83-5*		*06/11/25 14:05*	*1*
Unknown	*21.2*	*J*	*ppb v/v*		*11.08*	*N/A*		*06/11/25 14:05*	*1*
1-Propanol, 2-methyl-	*11.4*	*J N*	*ppb v/v*		*12.59*	*78-83-1*		*06/11/25 14:05*	*1*
1-Butanol	*25.1*	*J N*	*ppb v/v*		*13.76*	*71-36-3*		*06/11/25 14:05*	*1*
Unknown	*5.94*	*J*	*ppb v/v*		*21.40*	*N/A*		*06/11/25 14:05*	*1*

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	5.00	U	5.00	2.20	ppb v/v			06/11/25 14:56	10
Chlorodifluoromethane	5.00	U	5.00	3.60	ppb v/v			06/11/25 14:56	10
1,2-Dichlorotetrafluoroethane	2.00	U	2.00	0.76	ppb v/v			06/11/25 14:56	10
Chloromethane	5.00	U	5.00	3.30	ppb v/v			06/11/25 14:56	10
n-Butane	**3.17**	**J**	5.00	3.10	ppb v/v			06/11/25 14:56	10
Vinyl chloride	0.78	U	0.78	0.29	ppb v/v			06/11/25 14:56	10
1,3-Butadiene	**4.89**		2.00	0.40	ppb v/v			06/11/25 14:56	10
Bromomethane	2.00	U	2.00	0.62	ppb v/v			06/11/25 14:56	10
Chloroethane	5.00	U	5.00	1.60	ppb v/v			06/11/25 14:56	10
Bromoethene(Vinyl Bromide)	2.00	U	2.00	0.48	ppb v/v			06/11/25 14:56	10
Trichlorofluoromethane	2.00	U	2.00	0.77	ppb v/v			06/11/25 14:56	10
1,1,2-Trichlorotrifluoroethane	2.00	U	2.00	0.57	ppb v/v			06/11/25 14:56	10
1,1-Dichloroethene	0.35	U	0.35	0.35	ppb v/v			06/11/25 14:56	10
Acetone	**339**		50.0	19.0	ppb v/v			06/11/25 14:56	10
Isopropyl alcohol	**25.9**	**J**	50.0	22.0	ppb v/v			06/11/25 14:56	10
Carbon disulfide	5.00	U	5.00	1.80	ppb v/v			06/11/25 14:56	10
3-Chloropropene	5.00	U	5.00	0.81	ppb v/v			06/11/25 14:56	10
Methylene Chloride	5.00	U	5.00	1.90	ppb v/v			06/11/25 14:56	10
tert-Butyl alcohol	50.0	U	50.0	16.0	ppb v/v			06/11/25 14:56	10
Methyl tert-butyl ether	2.00	U	2.00	0.66	ppb v/v			06/11/25 14:56	10

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Client Sample ID: SV-3
Date Collected: 06/06/25 10:18
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-3
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	2.00	U	2.00	0.20	ppb v/v			06/11/25 14:56	10
n-Hexane	**4.86**	**J**	5.00	1.60	ppb v/v			06/11/25 14:56	10
1,1-Dichloroethane	2.00	U	2.00	0.18	ppb v/v			06/11/25 14:56	10
Methyl Ethyl Ketone	**16.4**		5.00	1.40	ppb v/v			06/11/25 14:56	10
cis-1,2-Dichloroethene	5.04	U	5.04	0.32	ppb v/v			06/11/25 14:56	10
1,2-Dichloroethene, Total	4.00	U	4.00	0.20	ppb v/v			06/11/25 14:56	10
Chloroform	2.00	U	2.00	0.59	ppb v/v			06/11/25 14:56	10
Tetrahydrofuran	50.0	U	50.0	17.0	ppb v/v			06/11/25 14:56	10
1,1,1-Trichloroethane	2.00	U	2.00	0.73	ppb v/v			06/11/25 14:56	10
Cyclohexane	**1.18**	**J**	2.00	0.52	ppb v/v			06/11/25 14:56	10
Carbon tetrachloride	0.35	U	0.35	0.24	ppb v/v			06/11/25 14:56	10
2,2,4-Trimethylpentane	**1.61**	**J**	2.00	0.71	ppb v/v			06/11/25 14:56	10
Benzene	**4.39**		2.00	0.51	ppb v/v			06/11/25 14:56	10
1,2-Dichloroethane	2.00	U	2.00	0.74	ppb v/v			06/11/25 14:56	10
n-Heptane	**3.20**		2.00	0.86	ppb v/v			06/11/25 14:56	10
Trichloroethene	0.35	U	0.35	0.29	ppb v/v			06/11/25 14:56	10
Methyl methacrylate	5.00	U	5.00	1.30	ppb v/v			06/11/25 14:56	10
1,2-Dichloropropane	2.00	U	2.00	0.55	ppb v/v			06/11/25 14:56	10
1,4-Dioxane	50.0	U	50.0	1.90	ppb v/v			06/11/25 14:56	10
Bromodichloromethane	2.00	U	2.00	0.58	ppb v/v			06/11/25 14:56	10
cis-1,3-Dichloropropene	2.00	U	2.00	0.56	ppb v/v			06/11/25 14:56	10
methyl isobutyl ketone	5.00	U	5.00	1.90	ppb v/v			06/11/25 14:56	10
Toluene	**4.13**		2.00	0.54	ppb v/v			06/11/25 14:56	10
trans-1,3-Dichloropropene	2.00	U	2.00	0.62	ppb v/v			06/11/25 14:56	10
1,1,2-Trichloroethane	2.00	U	2.00	0.53	ppb v/v			06/11/25 14:56	10
Tetrachloroethene	**25.9**		2.00	0.36	ppb v/v			06/11/25 14:56	10
Methyl Butyl Ketone (2-Hexanone)	5.00	U	5.00	2.00	ppb v/v			06/11/25 14:56	10
Dibromochloromethane	2.00	U	2.00	0.53	ppb v/v			06/11/25 14:56	10
1,2-Dibromoethane	2.00	U	2.00	0.45	ppb v/v			06/11/25 14:56	10
Chlorobenzene	2.00	U	2.00	0.47	ppb v/v			06/11/25 14:56	10
Ethylbenzene	**2.66**		2.00	0.51	ppb v/v			06/11/25 14:56	10
m,p-Xylene	**11.1**		5.00	0.14	ppb v/v			06/11/25 14:56	10
Xylene, o-	**4.05**		2.00	0.69	ppb v/v			06/11/25 14:56	10
Xylene (total)	**15.2**		7.00	0.14	ppb v/v			06/11/25 14:56	10
Styrene	2.00	U	2.00	0.56	ppb v/v			06/11/25 14:56	10
Bromoform	2.00	U	2.00	0.58	ppb v/v			06/11/25 14:56	10
Cumene	2.00	U	2.00	0.72	ppb v/v			06/11/25 14:56	10
1,1,2,2-Tetrachloroethane	2.00	U	2.00	0.61	ppb v/v			06/11/25 14:56	10
n-Propylbenzene	2.00	U	2.00	0.62	ppb v/v			06/11/25 14:56	10
4-Ethyltoluene	2.00	U	2.00	0.68	ppb v/v			06/11/25 14:56	10
1,3,5-Trimethylbenzene	2.00	U	2.00	0.68	ppb v/v			06/11/25 14:56	10
2-Chlorotoluene	2.00	U	2.00	0.58	ppb v/v			06/11/25 14:56	10
tert-Butylbenzene	2.00	U	2.00	0.70	ppb v/v			06/11/25 14:56	10
1,2,4-Trimethylbenzene	**1.18**	**J**	2.00	0.82	ppb v/v			06/11/25 14:56	10
sec-Butylbenzene	2.00	U	2.00	0.72	ppb v/v			06/11/25 14:56	10
4-Isopropyltoluene	2.00	U	2.00	0.78	ppb v/v			06/11/25 14:56	10
1,3-Dichlorobenzene	2.00	U	2.00	0.63	ppb v/v			06/11/25 14:56	10
1,4-Dichlorobenzene	2.00	U	2.00	0.70	ppb v/v			06/11/25 14:56	10

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Client Sample ID: SV-3
Date Collected: 06/06/25 10:18
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-3
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	2.00	U	2.00	0.74	ppb v/v			06/11/25 14:56	10
n-Butylbenzene	2.00	U	2.00	0.70	ppb v/v			06/11/25 14:56	10
1,2-Dichlorobenzene	2.00	U	2.00	0.66	ppb v/v			06/11/25 14:56	10
1,2,4-Trichlorobenzene	5.00	U	5.00	3.00	ppb v/v			06/11/25 14:56	10
Hexachlorobutadiene	2.00	U	2.00	0.78	ppb v/v			06/11/25 14:56	10
Naphthalene	5.00	U	5.00	1.10	ppb v/v			06/11/25 14:56	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	24.7	U	24.7	10.9	ug/m3			06/11/25 14:56	10
Chlorodifluoromethane	17.7	U	17.7	12.7	ug/m3			06/11/25 14:56	10
1,2-Dichlorotetrafluoroethane	14.0	U	14.0	5.31	ug/m3			06/11/25 14:56	10
Chloromethane	10.3	U	10.3	6.81	ug/m3			06/11/25 14:56	10
n-Butane	**7.54**	**J**	11.9	7.37	ug/m3			06/11/25 14:56	10
Vinyl chloride	2.00	U	2.00	0.74	ug/m3			06/11/25 14:56	10
1,3-Butadiene	**10.8**		4.42	0.88	ug/m3			06/11/25 14:56	10
Bromomethane	7.77	U	7.77	2.41	ug/m3			06/11/25 14:56	10
Chloroethane	13.2	U	13.2	4.22	ug/m3			06/11/25 14:56	10
Bromoethene(Vinyl Bromide)	8.75	U	8.75	2.10	ug/m3			06/11/25 14:56	10
Trichlorofluoromethane	11.2	U	11.2	4.33	ug/m3			06/11/25 14:56	10
1,1,2-Trichlorotrifluoroethane	15.3	U	15.3	4.37	ug/m3			06/11/25 14:56	10
1,1-Dichloroethene	1.39	U	1.39	1.39	ug/m3			06/11/25 14:56	10
Acetone	**806**		119	45.1	ug/m3			06/11/25 14:56	10
Isopropyl alcohol	**63.8**	**J**	123	54.1	ug/m3			06/11/25 14:56	10
Carbon disulfide	15.6	U	15.6	5.61	ug/m3			06/11/25 14:56	10
3-Chloropropene	15.7	U	15.7	2.54	ug/m3			06/11/25 14:56	10
Methylene Chloride	17.4	U	17.4	6.60	ug/m3			06/11/25 14:56	10
tert-Butyl alcohol	152	U	152	48.5	ug/m3			06/11/25 14:56	10
Methyl tert-butyl ether	7.21	U	7.21	2.38	ug/m3			06/11/25 14:56	10
trans-1,2-Dichloroethene	7.93	U	7.93	0.79	ug/m3			06/11/25 14:56	10
n-Hexane	**17.1**	**J**	17.6	5.64	ug/m3			06/11/25 14:56	10
1,1-Dichloroethane	8.09	U	8.09	0.73	ug/m3			06/11/25 14:56	10
Methyl Ethyl Ketone	**48.4**		14.7	4.13	ug/m3			06/11/25 14:56	10
cis-1,2-Dichloroethene	20.0	U	20.0	1.27	ug/m3			06/11/25 14:56	10
1,2-Dichloroethene, Total	15.9	U	15.9	0.79	ug/m3			06/11/25 14:56	10
Chloroform	9.77	U	9.77	2.88	ug/m3			06/11/25 14:56	10
Tetrahydrofuran	147	U	147	50.1	ug/m3			06/11/25 14:56	10
1,1,1-Trichloroethane	10.9	U	10.9	3.98	ug/m3			06/11/25 14:56	10
Cyclohexane	**4.06**	**J**	6.88	1.79	ug/m3			06/11/25 14:56	10
Carbon tetrachloride	2.20	U	2.20	1.51	ug/m3			06/11/25 14:56	10
2,2,4-Trimethylpentane	**7.50**	**J**	9.34	3.32	ug/m3			06/11/25 14:56	10
Benzene	**14.0**		6.39	1.63	ug/m3			06/11/25 14:56	10
1,2-Dichloroethane	8.09	U	8.09	3.00	ug/m3			06/11/25 14:56	10
n-Heptane	**13.1**		8.20	3.52	ug/m3			06/11/25 14:56	10
Trichloroethene	1.88	U	1.88	1.56	ug/m3			06/11/25 14:56	10
Methyl methacrylate	20.5	U	20.5	5.32	ug/m3			06/11/25 14:56	10
1,2-Dichloropropane	9.24	U	9.24	2.54	ug/m3			06/11/25 14:56	10
1,4-Dioxane	180	U	180	6.85	ug/m3			06/11/25 14:56	10
Bromodichloromethane	13.4	U	13.4	3.89	ug/m3			06/11/25 14:56	10
cis-1,3-Dichloropropene	9.08	U	9.08	2.54	ug/m3			06/11/25 14:56	10

Client Sample ID: SV-3

Lab Sample ID: 200-78310-3

Date Collected: 06/06/25 10:18
Matrix: Air
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
methyl isobutyl ketone	20.5	U	20.5	7.78	ug/m3			06/11/25 14:56	10
Toluene	**15.6**		7.54	2.03	ug/m3			06/11/25 14:56	10
trans-1,3-Dichloropropene	9.08	U	9.08	2.81	ug/m3			06/11/25 14:56	10
1,1,2-Trichloroethane	10.9	U	10.9	2.89	ug/m3			06/11/25 14:56	10
Tetrachloroethene	**176**		13.6	2.44	ug/m3			06/11/25 14:56	10
Methyl Butyl Ketone (2-Hexanone)	20.5	U	20.5	8.20	ug/m3			06/11/25 14:56	10
Dibromochloromethane	17.0	U	17.0	4.51	ug/m3			06/11/25 14:56	10
1,2-Dibromoethane	15.4	U	15.4	3.46	ug/m3			06/11/25 14:56	10
Chlorobenzene	9.21	U	9.21	2.16	ug/m3			06/11/25 14:56	10
Ethylbenzene	**11.5**		8.68	2.21	ug/m3			06/11/25 14:56	10
m,p-Xylene	**48.3**		21.7	0.61	ug/m3			06/11/25 14:56	10
Xylene, o-	**17.6**		8.68	3.00	ug/m3			06/11/25 14:56	10
Xylene (total)	**65.8**		30.4	0.61	ug/m3			06/11/25 14:56	10
Styrene	8.52	U	8.52	2.39	ug/m3			06/11/25 14:56	10
Bromoform	20.7	U	20.7	6.00	ug/m3			06/11/25 14:56	10
Cumene	9.83	U	9.83	3.54	ug/m3			06/11/25 14:56	10
1,1,2,2-Tetrachloroethane	13.7	U	13.7	4.19	ug/m3			06/11/25 14:56	10
n-Propylbenzene	9.83	U	9.83	3.05	ug/m3			06/11/25 14:56	10
4-Ethyltoluene	9.83	U	9.83	3.34	ug/m3			06/11/25 14:56	10
1,3,5-Trimethylbenzene	9.83	U	9.83	3.34	ug/m3			06/11/25 14:56	10
2-Chlorotoluene	10.4	U	10.4	3.00	ug/m3			06/11/25 14:56	10
tert-Butylbenzene	11.0	U	11.0	3.84	ug/m3			06/11/25 14:56	10
1,2,4-Trimethylbenzene	**5.82**	**J**	9.83	4.03	ug/m3			06/11/25 14:56	10
sec-Butylbenzene	11.0	U	11.0	3.95	ug/m3			06/11/25 14:56	10
4-Isopropyltoluene	11.0	U	11.0	4.28	ug/m3			06/11/25 14:56	10
1,3-Dichlorobenzene	12.0	U	12.0	3.79	ug/m3			06/11/25 14:56	10
1,4-Dichlorobenzene	12.0	U	12.0	4.21	ug/m3			06/11/25 14:56	10
Benzyl chloride	10.4	U	10.4	3.83	ug/m3			06/11/25 14:56	10
n-Butylbenzene	11.0	U	11.0	3.84	ug/m3			06/11/25 14:56	10
1,2-Dichlorobenzene	12.0	U	12.0	3.97	ug/m3			06/11/25 14:56	10
1,2,4-Trichlorobenzene	37.1	U	37.1	22.3	ug/m3			06/11/25 14:56	10
Hexachlorobutadiene	21.3	U	21.3	8.32	ug/m3			06/11/25 14:56	10
Naphthalene	26.2	U	26.2	5.77	ug/m3			06/11/25 14:56	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*20.3*	*J*	*ppb v/v*		*11.09*	*N/A*		*06/11/25 14:56*	*10*
1-Butanol	*25.4*	*J N*	*ppb v/v*		*13.76*	*71-36-3*		*06/11/25 14:56*	*10*

Client Sample ID: SV-4

Lab Sample ID: 200-78310-4

Date Collected: 06/06/25 09:54
Matrix: Air
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	12.6	U	12.6	5.52	ppb v/v			06/11/25 15:48	25.1
Chlorodifluoromethane	12.6	U	12.6	9.04	ppb v/v			06/11/25 15:48	25.1
1,2-Dichlorotetrafluoroethane	5.02	U	5.02	1.91	ppb v/v			06/11/25 15:48	25.1
Chloromethane	12.6	U	12.6	8.28	ppb v/v			06/11/25 15:48	25.1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Client Sample ID: SV-4
Date Collected: 06/06/25 09:54
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-4
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butane	12.6	U	12.6	7.78	ppb v/v			06/11/25 15:48	25.1
Vinyl chloride	1.96	U	1.96	0.73	ppb v/v			06/11/25 15:48	25.1
1,3-Butadiene	**2.03**	**J**	5.02	1.00	ppb v/v			06/11/25 15:48	25.1
Bromomethane	5.02	U	5.02	1.56	ppb v/v			06/11/25 15:48	25.1
Chloroethane	12.6	U	12.6	4.02	ppb v/v			06/11/25 15:48	25.1
Bromoethene(Vinyl Bromide)	5.02	U	5.02	1.20	ppb v/v			06/11/25 15:48	25.1
Trichlorofluoromethane	5.02	U	5.02	1.93	ppb v/v			06/11/25 15:48	25.1
1,1,2-Trichlorotrifluoroethane	5.02	U	5.02	1.43	ppb v/v			06/11/25 15:48	25.1
1,1-Dichloroethene	0.88	U	0.88	0.88	ppb v/v			06/11/25 15:48	25.1
Acetone	**252**		126	47.7	ppb v/v			06/11/25 15:48	25.1
Isopropyl alcohol	126	U	126	55.2	ppb v/v			06/11/25 15:48	25.1
Carbon disulfide	12.6	U	12.6	4.52	ppb v/v			06/11/25 15:48	25.1
3-Chloropropene	12.6	U	12.6	2.03	ppb v/v			06/11/25 15:48	25.1
Methylene Chloride	12.6	U	12.6	4.77	ppb v/v			06/11/25 15:48	25.1
tert-Butyl alcohol	126	U	126	40.2	ppb v/v			06/11/25 15:48	25.1
Methyl tert-butyl ether	5.02	U	5.02	1.66	ppb v/v			06/11/25 15:48	25.1
trans-1,2-Dichloroethene	5.02	U	5.02	0.50	ppb v/v			06/11/25 15:48	25.1
n-Hexane	**4.30**	**J**	12.6	4.02	ppb v/v			06/11/25 15:48	25.1
1,1-Dichloroethane	5.02	U	5.02	0.45	ppb v/v			06/11/25 15:48	25.1
Methyl Ethyl Ketone	**13.1**		12.6	3.51	ppb v/v			06/11/25 15:48	25.1
cis-1,2-Dichloroethene	12.7	U	12.7	0.80	ppb v/v			06/11/25 15:48	25.1
1,2-Dichloroethene, Total	10.0	U	10.0	0.50	ppb v/v			06/11/25 15:48	25.1
Chloroform	5.02	U	5.02	1.48	ppb v/v			06/11/25 15:48	25.1
Tetrahydrofuran	126	U	126	42.7	ppb v/v			06/11/25 15:48	25.1
1,1,1-Trichloroethane	**2.55**	**J**	5.02	1.83	ppb v/v			06/11/25 15:48	25.1
Cyclohexane	5.02	U	5.02	1.31	ppb v/v			06/11/25 15:48	25.1
Carbon tetrachloride	0.88	U	0.88	0.60	ppb v/v			06/11/25 15:48	25.1
2,2,4-Trimethylpentane	5.02	U	5.02	1.78	ppb v/v			06/11/25 15:48	25.1
Benzene	**2.82**	**J**	5.02	1.28	ppb v/v			06/11/25 15:48	25.1
1,2-Dichloroethane	5.02	U	5.02	1.86	ppb v/v			06/11/25 15:48	25.1
n-Heptane	**2.55**	**J**	5.02	2.16	ppb v/v			06/11/25 15:48	25.1
Trichloroethene	**17.8**		0.88	0.73	ppb v/v			06/11/25 15:48	25.1
Methyl methacrylate	12.6	U	12.6	3.26	ppb v/v			06/11/25 15:48	25.1
1,2-Dichloropropane	5.02	U	5.02	1.38	ppb v/v			06/11/25 15:48	25.1
1,4-Dioxane	126	U	126	4.77	ppb v/v			06/11/25 15:48	25.1
Bromodichloromethane	5.02	U	5.02	1.46	ppb v/v			06/11/25 15:48	25.1
cis-1,3-Dichloropropene	5.02	U	5.02	1.41	ppb v/v			06/11/25 15:48	25.1
methyl isobutyl ketone	12.6	U	12.6	4.77	ppb v/v			06/11/25 15:48	25.1
Toluene	**3.24**	**J**	5.02	1.36	ppb v/v			06/11/25 15:48	25.1
trans-1,3-Dichloropropene	5.02	U	5.02	1.56	ppb v/v			06/11/25 15:48	25.1
1,1,2-Trichloroethane	5.02	U	5.02	1.33	ppb v/v			06/11/25 15:48	25.1
Tetrachloroethene	**1700**	**E**	5.02	0.90	ppb v/v			06/11/25 15:48	25.1
Methyl Butyl Ketone (2-Hexanone)	12.6	U	12.6	5.02	ppb v/v			06/11/25 15:48	25.1
Dibromochloromethane	5.02	U	5.02	1.33	ppb v/v			06/11/25 15:48	25.1
1,2-Dibromoethane	5.02	U	5.02	1.13	ppb v/v			06/11/25 15:48	25.1
Chlorobenzene	5.02	U	5.02	1.18	ppb v/v			06/11/25 15:48	25.1
Ethylbenzene	**14.8**		5.02	1.28	ppb v/v			06/11/25 15:48	25.1
m,p-Xylene	**67.0**		12.6	0.35	ppb v/v			06/11/25 15:48	25.1

Client Sample ID: SV-4
Date Collected: 06/06/25 09:54
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-4
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylene, o-	**21.9**		5.02	1.73	ppb v/v			06/11/25 15:48	25.1
Xylene (total)	**88.9**		17.6	0.35	ppb v/v			06/11/25 15:48	25.1
Styrene	5.02	U	5.02	1.41	ppb v/v			06/11/25 15:48	25.1
Bromoform	5.02	U	5.02	1.46	ppb v/v			06/11/25 15:48	25.1
Cumene	5.02	U	5.02	1.81	ppb v/v			06/11/25 15:48	25.1
1,1,2,2-Tetrachloroethane	5.02	U	5.02	1.53	ppb v/v			06/11/25 15:48	25.1
n-Propylbenzene	5.02	U	5.02	1.56	ppb v/v			06/11/25 15:48	25.1
4-Ethyltoluene	5.02	U	5.02	1.71	ppb v/v			06/11/25 15:48	25.1
1,3,5-Trimethylbenzene	5.02	U	5.02	1.71	ppb v/v			06/11/25 15:48	25.1
2-Chlorotoluene	5.02	U	5.02	1.46	ppb v/v			06/11/25 15:48	25.1
tert-Butylbenzene	5.02	U	5.02	1.76	ppb v/v			06/11/25 15:48	25.1
1,2,4-Trimethylbenzene	5.02	U	5.02	2.06	ppb v/v			06/11/25 15:48	25.1
sec-Butylbenzene	5.02	U	5.02	1.81	ppb v/v			06/11/25 15:48	25.1
4-Isopropyltoluene	5.02	U	5.02	1.96	ppb v/v			06/11/25 15:48	25.1
1,3-Dichlorobenzene	5.02	U	5.02	1.58	ppb v/v			06/11/25 15:48	25.1
1,4-Dichlorobenzene	5.02	U	5.02	1.76	ppb v/v			06/11/25 15:48	25.1
Benzyl chloride	5.02	U	5.02	1.86	ppb v/v			06/11/25 15:48	25.1
n-Butylbenzene	5.02	U	5.02	1.76	ppb v/v			06/11/25 15:48	25.1
1,2-Dichlorobenzene	5.02	U	5.02	1.66	ppb v/v			06/11/25 15:48	25.1
1,2,4-Trichlorobenzene	12.6	U	12.6	7.53	ppb v/v			06/11/25 15:48	25.1
Hexachlorobutadiene	5.02	U	5.02	1.96	ppb v/v			06/11/25 15:48	25.1
Naphthalene	12.6	U	12.6	2.76	ppb v/v			06/11/25 15:48	25.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	62.1	U	62.1	27.3	ug/m3			06/11/25 15:48	25.1
Chlorodifluoromethane	44.4	U	44.4	32.0	ug/m3			06/11/25 15:48	25.1
1,2-Dichlorotetrafluoroethane	35.1	U	35.1	13.3	ug/m3			06/11/25 15:48	25.1
Chloromethane	25.9	U	25.9	17.1	ug/m3			06/11/25 15:48	25.1
n-Butane	29.8	U	29.8	18.5	ug/m3			06/11/25 15:48	25.1
Vinyl chloride	5.02	U	5.02	1.86	ug/m3			06/11/25 15:48	25.1
1,3-Butadiene	**4.49**	**J**	11.1	2.22	ug/m3			06/11/25 15:48	25.1
Bromomethane	19.5	U	19.5	6.04	ug/m3			06/11/25 15:48	25.1
Chloroethane	33.1	U	33.1	10.6	ug/m3			06/11/25 15:48	25.1
Bromoethene(Vinyl Bromide)	22.0	U	22.0	5.27	ug/m3			06/11/25 15:48	25.1
Trichlorofluoromethane	28.2	U	28.2	10.9	ug/m3			06/11/25 15:48	25.1
1,1,2-Trichlorotrifluoroethane	38.5	U	38.5	11.0	ug/m3			06/11/25 15:48	25.1
1,1-Dichloroethene	3.49	U	3.49	3.48	ug/m3			06/11/25 15:48	25.1
Acetone	**598**		298	113	ug/m3			06/11/25 15:48	25.1
Isopropyl alcohol	308	U	308	136	ug/m3			06/11/25 15:48	25.1
Carbon disulfide	39.1	U	39.1	14.1	ug/m3			06/11/25 15:48	25.1
3-Chloropropene	39.3	U	39.3	6.36	ug/m3			06/11/25 15:48	25.1
Methylene Chloride	43.6	U	43.6	16.6	ug/m3			06/11/25 15:48	25.1
tert-Butyl alcohol	380	U	380	122	ug/m3			06/11/25 15:48	25.1
Methyl tert-butyl ether	18.1	U	18.1	5.97	ug/m3			06/11/25 15:48	25.1
trans-1,2-Dichloroethene	19.9	U	19.9	1.99	ug/m3			06/11/25 15:48	25.1
n-Hexane	**15.2**	**J**	44.2	14.2	ug/m3			06/11/25 15:48	25.1
1,1-Dichloroethane	20.3	U	20.3	1.83	ug/m3			06/11/25 15:48	25.1
Methyl Ethyl Ketone	**38.5**		37.0	10.4	ug/m3			06/11/25 15:48	25.1
cis-1,2-Dichloroethene	50.2	U	50.2	3.18	ug/m3			06/11/25 15:48	25.1

Client Sample ID: SV-4
Date Collected: 06/06/25 09:54
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-4
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	39.8	U	39.8	1.99	ug/m3			06/11/25 15:48	25.1
Chloroform	24.5	U	24.5	7.23	ug/m3			06/11/25 15:48	25.1
Tetrahydrofuran	370	U	370	126	ug/m3			06/11/25 15:48	25.1
1,1,1-Trichloroethane	**13.9**	**J**	27.4	10.0	ug/m3			06/11/25 15:48	25.1
Cyclohexane	17.3	U	17.3	4.49	ug/m3			06/11/25 15:48	25.1
Carbon tetrachloride	5.53	U	5.53	3.79	ug/m3			06/11/25 15:48	25.1
2,2,4-Trimethylpentane	23.5	U	23.5	8.33	ug/m3			06/11/25 15:48	25.1
Benzene	**9.00**	**J**	16.0	4.09	ug/m3			06/11/25 15:48	25.1
1,2-Dichloroethane	20.3	U	20.3	7.52	ug/m3			06/11/25 15:48	25.1
n-Heptane	**10.5**	**J**	20.6	8.85	ug/m3			06/11/25 15:48	25.1
Trichloroethene	**95.7**		4.72	3.91	ug/m3			06/11/25 15:48	25.1
Methyl methacrylate	51.4	U	51.4	13.4	ug/m3			06/11/25 15:48	25.1
1,2-Dichloropropane	23.2	U	23.2	6.38	ug/m3			06/11/25 15:48	25.1
1,4-Dioxane	452	U	452	17.2	ug/m3			06/11/25 15:48	25.1
Bromodichloromethane	33.6	U	33.6	9.75	ug/m3			06/11/25 15:48	25.1
cis-1,3-Dichloropropene	22.8	U	22.8	6.38	ug/m3			06/11/25 15:48	25.1
methyl isobutyl ketone	51.4	U	51.4	19.5	ug/m3			06/11/25 15:48	25.1
Toluene	**12.2**	**J**	18.9	5.11	ug/m3			06/11/25 15:48	25.1
trans-1,3-Dichloropropene	22.8	U	22.8	7.06	ug/m3			06/11/25 15:48	25.1
1,1,2-Trichloroethane	27.4	U	27.4	7.26	ug/m3			06/11/25 15:48	25.1
Tetrachloroethene	**11500**	**E**	34.0	6.13	ug/m3			06/11/25 15:48	25.1
Methyl Butyl Ketone (2-Hexanone)	51.4	U	51.4	20.6	ug/m3			06/11/25 15:48	25.1
Dibromochloromethane	42.8	U	42.8	11.3	ug/m3			06/11/25 15:48	25.1
1,2-Dibromoethane	38.6	U	38.6	8.68	ug/m3			06/11/25 15:48	25.1
Chlorobenzene	23.1	U	23.1	5.43	ug/m3			06/11/25 15:48	25.1
Ethylbenzene	**64.2**		21.8	5.56	ug/m3			06/11/25 15:48	25.1
m,p-Xylene	**291**		54.5	1.53	ug/m3			06/11/25 15:48	25.1
Xylene, o-	**95.1**		21.8	7.52	ug/m3			06/11/25 15:48	25.1
Xylene (total)	**386**		76.3	1.53	ug/m3			06/11/25 15:48	25.1
Styrene	21.4	U	21.4	5.99	ug/m3			06/11/25 15:48	25.1
Bromoform	51.9	U	51.9	15.0	ug/m3			06/11/25 15:48	25.1
Cumene	24.7	U	24.7	8.88	ug/m3			06/11/25 15:48	25.1
1,1,2,2-Tetrachloroethane	34.5	U	34.5	10.5	ug/m3			06/11/25 15:48	25.1
n-Propylbenzene	24.7	U	24.7	7.65	ug/m3			06/11/25 15:48	25.1
4-Ethyltoluene	24.7	U	24.7	8.39	ug/m3			06/11/25 15:48	25.1
1,3,5-Trimethylbenzene	24.7	U	24.7	8.39	ug/m3			06/11/25 15:48	25.1
2-Chlorotoluene	26.0	U	26.0	7.54	ug/m3			06/11/25 15:48	25.1
tert-Butylbenzene	27.6	U	27.6	9.65	ug/m3			06/11/25 15:48	25.1
1,2,4-Trimethylbenzene	24.7	U	24.7	10.1	ug/m3			06/11/25 15:48	25.1
sec-Butylbenzene	27.6	U	27.6	9.92	ug/m3			06/11/25 15:48	25.1
4-Isopropyltoluene	27.6	U	27.6	10.7	ug/m3			06/11/25 15:48	25.1
1,3-Dichlorobenzene	30.2	U	30.2	9.51	ug/m3			06/11/25 15:48	25.1
1,4-Dichlorobenzene	30.2	U	30.2	10.6	ug/m3			06/11/25 15:48	25.1
Benzyl chloride	26.0	U	26.0	9.62	ug/m3			06/11/25 15:48	25.1
n-Butylbenzene	27.6	U	27.6	9.65	ug/m3			06/11/25 15:48	25.1
1,2-Dichlorobenzene	30.2	U	30.2	9.96	ug/m3			06/11/25 15:48	25.1
1,2,4-Trichlorobenzene	93.1	U	93.1	55.9	ug/m3			06/11/25 15:48	25.1
Hexachlorobutadiene	53.5	U	53.5	20.9	ug/m3			06/11/25 15:48	25.1

Client Sample ID: SV-4

Lab Sample ID: 200-78310-4

Date Collected: 06/06/25 09:54

Matrix: Air

Date Received: 06/10/25 10:35

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	65.8	U	65.8	14.5	ug/m3			06/11/25 15:48	25.1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ppb v/v*			*N/A*		*06/11/25 15:48*	*25.1*

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	64.0	U	64.0	28.2	ppb v/v			06/11/25 16:39	128
Chlorodifluoromethane	64.0	U	64.0	46.1	ppb v/v			06/11/25 16:39	128
1,2-Dichlorotetrafluoroethane	25.6	U	25.6	9.73	ppb v/v			06/11/25 16:39	128
Chloromethane	64.0	U	64.0	42.2	ppb v/v			06/11/25 16:39	128
n-Butane	64.0	U	64.0	39.7	ppb v/v			06/11/25 16:39	128
Vinyl chloride	10.0	U	10.0	3.71	ppb v/v			06/11/25 16:39	128
1,3-Butadiene	25.6	U	25.6	5.12	ppb v/v			06/11/25 16:39	128
Bromomethane	25.6	U	25.6	7.94	ppb v/v			06/11/25 16:39	128
Chloroethane	64.0	U	64.0	20.5	ppb v/v			06/11/25 16:39	128
Bromoethene(Vinyl Bromide)	25.6	U	25.6	6.14	ppb v/v			06/11/25 16:39	128
Trichlorofluoromethane	25.6	U	25.6	9.86	ppb v/v			06/11/25 16:39	128
1,1,2-Trichlorotrifluoroethane	25.6	U	25.6	7.30	ppb v/v			06/11/25 16:39	128
1,1-Dichloroethene	4.49	U	4.49	4.48	ppb v/v			06/11/25 16:39	128
Acetone	**260**	**J**	640	243	ppb v/v			06/11/25 16:39	128
Isopropyl alcohol	640	U	640	282	ppb v/v			06/11/25 16:39	128
Carbon disulfide	64.0	U	64.0	23.0	ppb v/v			06/11/25 16:39	128
3-Chloropropene	64.0	U	64.0	10.4	ppb v/v			06/11/25 16:39	128
Methylene Chloride	64.0	U	64.0	24.3	ppb v/v			06/11/25 16:39	128
tert-Butyl alcohol	640	U	640	205	ppb v/v			06/11/25 16:39	128
Methyl tert-butyl ether	25.6	U	25.6	8.45	ppb v/v			06/11/25 16:39	128
trans-1,2-Dichloroethene	25.6	U	25.6	2.56	ppb v/v			06/11/25 16:39	128
n-Hexane	64.0	U	64.0	20.5	ppb v/v			06/11/25 16:39	128
1,1-Dichloroethane	25.6	U	25.6	2.30	ppb v/v			06/11/25 16:39	128
Methyl Ethyl Ketone	64.0	U	64.0	17.9	ppb v/v			06/11/25 16:39	128
cis-1,2-Dichloroethene	64.5	U	64.5	4.10	ppb v/v			06/11/25 16:39	128
1,2-Dichloroethene, Total	51.2	U	51.2	2.56	ppb v/v			06/11/25 16:39	128
Chloroform	25.6	U	25.6	7.55	ppb v/v			06/11/25 16:39	128
Tetrahydrofuran	640	U	640	218	ppb v/v			06/11/25 16:39	128
1,1,1-Trichloroethane	25.6	U	25.6	9.34	ppb v/v			06/11/25 16:39	128
Cyclohexane	25.6	U	25.6	6.66	ppb v/v			06/11/25 16:39	128
Carbon tetrachloride	4.48	U	4.48	3.07	ppb v/v			06/11/25 16:39	128
2,2,4-Trimethylpentane	25.6	U	25.6	9.09	ppb v/v			06/11/25 16:39	128
Benzene	25.6	U	25.6	6.53	ppb v/v			06/11/25 16:39	128
1,2-Dichloroethane	25.6	U	25.6	9.47	ppb v/v			06/11/25 16:39	128
n-Heptane	25.6	U	25.6	11.0	ppb v/v			06/11/25 16:39	128
Trichloroethene	**18.8**		4.48	3.71	ppb v/v			06/11/25 16:39	128
Methyl methacrylate	64.0	U	64.0	16.6	ppb v/v			06/11/25 16:39	128
1,2-Dichloropropane	25.6	U	25.6	7.04	ppb v/v			06/11/25 16:39	128
1,4-Dioxane	640	U	640	24.3	ppb v/v			06/11/25 16:39	128
Bromodichloromethane	25.6	U	25.6	7.42	ppb v/v			06/11/25 16:39	128
cis-1,3-Dichloropropene	25.6	U	25.6	7.17	ppb v/v			06/11/25 16:39	128
methyl isobutyl ketone	64.0	U	64.0	24.3	ppb v/v			06/11/25 16:39	128

Client Sample ID: SV-4

Lab Sample ID: 200-78310-4

Date Collected: 06/06/25 09:54
Matrix: Air
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	25.6	U	25.6	6.91	ppb v/v			06/11/25 16:39	128
trans-1,3-Dichloropropene	25.6	U	25.6	7.94	ppb v/v			06/11/25 16:39	128
1,1,2-Trichloroethane	25.6	U	25.6	6.78	ppb v/v			06/11/25 16:39	128
Tetrachloroethene	**1820**		25.6	4.61	ppb v/v			06/11/25 16:39	128
Methyl Butyl Ketone (2-Hexanone)	64.0	U	64.0	25.6	ppb v/v			06/11/25 16:39	128
Dibromochloromethane	25.6	U	25.6	6.78	ppb v/v			06/11/25 16:39	128
1,2-Dibromoethane	25.6	U	25.6	5.76	ppb v/v			06/11/25 16:39	128
Chlorobenzene	25.6	U	25.6	6.02	ppb v/v			06/11/25 16:39	128
Ethylbenzene	**14.4**	**J**	25.6	6.53	ppb v/v			06/11/25 16:39	128
m,p-Xylene	**60.9**	**J**	64.0	1.79	ppb v/v			06/11/25 16:39	128
Xylene, o-	**19.4**	**J**	25.6	8.83	ppb v/v			06/11/25 16:39	128
Xylene (total)	**80.3**	**J**	89.6	1.79	ppb v/v			06/11/25 16:39	128
Styrene	25.6	U	25.6	7.17	ppb v/v			06/11/25 16:39	128
Bromoform	25.6	U	25.6	7.42	ppb v/v			06/11/25 16:39	128
Cumene	25.6	U	25.6	9.22	ppb v/v			06/11/25 16:39	128
1,1,2,2-Tetrachloroethane	25.6	U	25.6	7.81	ppb v/v			06/11/25 16:39	128
n-Propylbenzene	25.6	U	25.6	7.94	ppb v/v			06/11/25 16:39	128
4-Ethyltoluene	25.6	U	25.6	8.70	ppb v/v			06/11/25 16:39	128
1,3,5-Trimethylbenzene	25.6	U	25.6	8.70	ppb v/v			06/11/25 16:39	128
2-Chlorotoluene	25.6	U	25.6	7.42	ppb v/v			06/11/25 16:39	128
tert-Butylbenzene	25.6	U	25.6	8.96	ppb v/v			06/11/25 16:39	128
1,2,4-Trimethylbenzene	25.6	U	25.6	10.5	ppb v/v			06/11/25 16:39	128
sec-Butylbenzene	25.6	U	25.6	9.22	ppb v/v			06/11/25 16:39	128
4-Isopropyltoluene	25.6	U	25.6	9.98	ppb v/v			06/11/25 16:39	128
1,3-Dichlorobenzene	25.6	U	25.6	8.06	ppb v/v			06/11/25 16:39	128
1,4-Dichlorobenzene	25.6	U	25.6	8.96	ppb v/v			06/11/25 16:39	128
Benzyl chloride	25.6	U	25.6	9.47	ppb v/v			06/11/25 16:39	128
n-Butylbenzene	25.6	U	25.6	8.96	ppb v/v			06/11/25 16:39	128
1,2-Dichlorobenzene	25.6	U	25.6	8.45	ppb v/v			06/11/25 16:39	128
1,2,4-Trichlorobenzene	64.0	U	64.0	38.4	ppb v/v			06/11/25 16:39	128
Hexachlorobutadiene	25.6	U	25.6	9.98	ppb v/v			06/11/25 16:39	128
Naphthalene	64.0	U	64.0	14.1	ppb v/v			06/11/25 16:39	128

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	316	U	316	139	ug/m3			06/11/25 16:39	128
Chlorodifluoromethane	226	U	226	163	ug/m3			06/11/25 16:39	128
1,2-Dichlorotetrafluoroethane	179	U	179	68.0	ug/m3			06/11/25 16:39	128
Chloromethane	132	U	132	87.2	ug/m3			06/11/25 16:39	128
n-Butane	152	U	152	94.3	ug/m3			06/11/25 16:39	128
Vinyl chloride	25.6	U	25.6	9.49	ug/m3			06/11/25 16:39	128
1,3-Butadiene	56.6	U	56.6	11.3	ug/m3			06/11/25 16:39	128
Bromomethane	99.4	U	99.4	30.8	ug/m3			06/11/25 16:39	128
Chloroethane	169	U	169	54.0	ug/m3			06/11/25 16:39	128
Bromoethene(Vinyl Bromide)	112	U	112	26.9	ug/m3			06/11/25 16:39	128
Trichlorofluoromethane	144	U	144	55.4	ug/m3			06/11/25 16:39	128
1,1,2-Trichlorotrifluoroethane	196	U	196	55.9	ug/m3			06/11/25 16:39	128
1,1-Dichloroethene	17.8	U	17.8	17.8	ug/m3			06/11/25 16:39	128
Acetone	**617**	**J**	1520	578	ug/m3			06/11/25 16:39	128
Isopropyl alcohol	1570	U	1570	692	ug/m3			06/11/25 16:39	128

Client Sample ID: SV-4
Date Collected: 06/06/25 09:54
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-4
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	199	U	199	71.7	ug/m3			06/11/25 16:39	128
3-Chloropropene	200	U	200	32.5	ug/m3			06/11/25 16:39	128
Methylene Chloride	222	U	222	84.5	ug/m3			06/11/25 16:39	128
tert-Butyl alcohol	1940	U	1940	621	ug/m3			06/11/25 16:39	128
Methyl tert-butyl ether	92.3	U	92.3	30.5	ug/m3			06/11/25 16:39	128
trans-1,2-Dichloroethene	101	U	101	10.1	ug/m3			06/11/25 16:39	128
n-Hexane	226	U	226	72.2	ug/m3			06/11/25 16:39	128
1,1-Dichloroethane	104	U	104	9.33	ug/m3			06/11/25 16:39	128
Methyl Ethyl Ketone	189	U	189	52.9	ug/m3			06/11/25 16:39	128
cis-1,2-Dichloroethene	256	U	256	16.2	ug/m3			06/11/25 16:39	128
1,2-Dichloroethene, Total	203	U	203	10.1	ug/m3			06/11/25 16:39	128
Chloroform	125	U	125	36.9	ug/m3			06/11/25 16:39	128
Tetrahydrofuran	1890	U	1890	642	ug/m3			06/11/25 16:39	128
1,1,1-Trichloroethane	140	U	140	51.0	ug/m3			06/11/25 16:39	128
Cyclohexane	88.1	U	88.1	22.9	ug/m3			06/11/25 16:39	128
Carbon tetrachloride	28.2	U	28.2	19.3	ug/m3			06/11/25 16:39	128
2,2,4-Trimethylpentane	120	U	120	42.5	ug/m3			06/11/25 16:39	128
Benzene	81.8	U	81.8	20.9	ug/m3			06/11/25 16:39	128
1,2-Dichloroethane	104	U	104	38.3	ug/m3			06/11/25 16:39	128
n-Heptane	105	U	105	45.1	ug/m3			06/11/25 16:39	128
Trichloroethene	**101**		24.1	19.9	ug/m3			06/11/25 16:39	128
Methyl methacrylate	262	U	262	68.1	ug/m3			06/11/25 16:39	128
1,2-Dichloropropane	118	U	118	32.5	ug/m3			06/11/25 16:39	128
1,4-Dioxane	2310	U	2310	87.6	ug/m3			06/11/25 16:39	128
Bromodichloromethane	172	U	172	49.7	ug/m3			06/11/25 16:39	128
cis-1,3-Dichloropropene	116	U	116	32.5	ug/m3			06/11/25 16:39	128
methyl isobutyl ketone	262	U	262	99.6	ug/m3			06/11/25 16:39	128
Toluene	96.5	U	96.5	26.0	ug/m3			06/11/25 16:39	128
trans-1,3-Dichloropropene	116	U	116	36.0	ug/m3			06/11/25 16:39	128
1,1,2-Trichloroethane	140	U	140	37.0	ug/m3			06/11/25 16:39	128
Tetrachloroethene	**12400**		174	31.3	ug/m3			06/11/25 16:39	128
Methyl Butyl Ketone (2-Hexanone)	262	U	262	105	ug/m3			06/11/25 16:39	128
Dibromochloromethane	218	U	218	57.8	ug/m3			06/11/25 16:39	128
1,2-Dibromoethane	197	U	197	44.3	ug/m3			06/11/25 16:39	128
Chlorobenzene	118	U	118	27.7	ug/m3			06/11/25 16:39	128
Ethylbenzene	**62.4**	**J**	111	28.3	ug/m3			06/11/25 16:39	128
m,p-Xylene	**264**	**J**	278	7.78	ug/m3			06/11/25 16:39	128
Xylene, o-	**84.3**	**J**	111	38.4	ug/m3			06/11/25 16:39	128
Xylene (total)	**349**	**J**	389	7.78	ug/m3			06/11/25 16:39	128
Styrene	109	U	109	30.5	ug/m3			06/11/25 16:39	128
Bromoform	265	U	265	76.7	ug/m3			06/11/25 16:39	128
Cumene	126	U	126	45.3	ug/m3			06/11/25 16:39	128
1,1,2,2-Tetrachloroethane	176	U	176	53.6	ug/m3			06/11/25 16:39	128
n-Propylbenzene	126	U	126	39.0	ug/m3			06/11/25 16:39	128
4-Ethyltoluene	126	U	126	42.8	ug/m3			06/11/25 16:39	128
1,3,5-Trimethylbenzene	126	U	126	42.8	ug/m3			06/11/25 16:39	128
2-Chlorotoluene	133	U	133	38.4	ug/m3			06/11/25 16:39	128
tert-Butylbenzene	141	U	141	49.2	ug/m3			06/11/25 16:39	128

Client Sample ID: SV-4

Lab Sample ID: 200-78310-4
Date Collected: 06/06/25 09:54
Matrix: Air
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	126	U	126	51.6	ug/m3			06/11/25 16:39	128
sec-Butylbenzene	141	U	141	50.6	ug/m3			06/11/25 16:39	128
4-Isopropyltoluene	141	U	141	54.8	ug/m3			06/11/25 16:39	128
1,3-Dichlorobenzene	154	U	154	48.5	ug/m3			06/11/25 16:39	128
1,4-Dichlorobenzene	154	U	154	53.9	ug/m3			06/11/25 16:39	128
Benzyl chloride	133	U	133	49.0	ug/m3			06/11/25 16:39	128
n-Butylbenzene	141	U	141	49.2	ug/m3			06/11/25 16:39	128
1,2-Dichlorobenzene	154	U	154	50.8	ug/m3			06/11/25 16:39	128
1,2,4-Trichlorobenzene	475	U	475	285	ug/m3			06/11/25 16:39	128
Hexachlorobutadiene	273	U	273	106	ug/m3			06/11/25 16:39	128
Naphthalene	335	U	335	73.8	ug/m3			06/11/25 16:39	128

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ppb v/v*			*N/A*		*06/11/25 16:39*	*128*

Client Sample ID: SV-5

Lab Sample ID: 200-78310-5
Date Collected: 06/06/25 09:57
Matrix: Air
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.61**		0.50	0.22	ppb v/v			06/11/25 17:30	1
Chlorodifluoromethane	**3.49**		0.50	0.36	ppb v/v			06/11/25 17:30	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.076	ppb v/v			06/11/25 17:30	1
Chloromethane	0.50	U	0.50	0.33	ppb v/v			06/11/25 17:30	1
n-Butane	0.50	U	0.50	0.31	ppb v/v			06/11/25 17:30	1
Vinyl chloride	0.078	U	0.078	0.029	ppb v/v			06/11/25 17:30	1
1,3-Butadiene	**0.10**	**J**	0.20	0.040	ppb v/v			06/11/25 17:30	1
Bromomethane	0.20	U	0.20	0.062	ppb v/v			06/11/25 17:30	1
Chloroethane	0.50	U	0.50	0.16	ppb v/v			06/11/25 17:30	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.048	ppb v/v			06/11/25 17:30	1
Trichlorofluoromethane	**0.71**		0.20	0.077	ppb v/v			06/11/25 17:30	1
1,1,2-Trichlorotrifluoroethane	**0.079**	**J**	0.20	0.057	ppb v/v			06/11/25 17:30	1
1,1-Dichloroethene	0.035	U	0.035	0.035	ppb v/v			06/11/25 17:30	1
Acetone	**12.2**		5.00	1.90	ppb v/v			06/11/25 17:30	1
Isopropyl alcohol	**5.89**		5.00	2.20	ppb v/v			06/11/25 17:30	1
Carbon disulfide	**0.65**		0.50	0.18	ppb v/v			06/11/25 17:30	1
3-Chloropropene	0.50	U	0.50	0.081	ppb v/v			06/11/25 17:30	1
Methylene Chloride	0.50	U	0.50	0.19	ppb v/v			06/11/25 17:30	1
tert-Butyl alcohol	5.00	U	5.00	1.60	ppb v/v			06/11/25 17:30	1
Methyl tert-butyl ether	0.20	U	0.20	0.066	ppb v/v			06/11/25 17:30	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.020	ppb v/v			06/11/25 17:30	1
n-Hexane	**0.24**	**J**	0.50	0.16	ppb v/v			06/11/25 17:30	1
1,1-Dichloroethane	0.20	U	0.20	0.018	ppb v/v			06/11/25 17:30	1
Methyl Ethyl Ketone	**1.57**		0.50	0.14	ppb v/v			06/11/25 17:30	1
cis-1,2-Dichloroethene	0.50	U	0.50	0.032	ppb v/v			06/11/25 17:30	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.020	ppb v/v			06/11/25 17:30	1
Chloroform	**0.30**		0.20	0.059	ppb v/v			06/11/25 17:30	1

Client Sample ID: SV-5

Lab Sample ID: 200-78310-5

Date Collected: 06/06/25 09:57
Matrix: Air
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	5.00	U	5.00	1.70	ppb v/v			06/11/25 17:30	1
1,1,1-Trichloroethane	**14.1**		0.20	0.073	ppb v/v			06/11/25 17:30	1
Cyclohexane	**0.10**	**J**	0.20	0.052	ppb v/v			06/11/25 17:30	1
Carbon tetrachloride	**0.063**		0.035	0.024	ppb v/v			06/11/25 17:30	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.071	ppb v/v			06/11/25 17:30	1
Benzene	**0.29**		0.20	0.051	ppb v/v			06/11/25 17:30	1
1,2-Dichloroethane	0.20	U	0.20	0.074	ppb v/v			06/11/25 17:30	1
n-Heptane	**0.40**		0.20	0.086	ppb v/v			06/11/25 17:30	1
Trichloroethene	**6.59**		0.035	0.029	ppb v/v			06/11/25 17:30	1
Methyl methacrylate	**0.13**	**J**	0.50	0.13	ppb v/v			06/11/25 17:30	1
1,2-Dichloropropane	0.20	U	0.20	0.055	ppb v/v			06/11/25 17:30	1
1,4-Dioxane	**0.44**	**J**	5.00	0.19	ppb v/v			06/11/25 17:30	1
Bromodichloromethane	0.20	U	0.20	0.058	ppb v/v			06/11/25 17:30	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.056	ppb v/v			06/11/25 17:30	1
methyl isobutyl ketone	**0.62**		0.50	0.19	ppb v/v			06/11/25 17:30	1
Toluene	**0.99**		0.20	0.054	ppb v/v			06/11/25 17:30	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.062	ppb v/v			06/11/25 17:30	1
1,1,2-Trichloroethane	0.20	U	0.20	0.053	ppb v/v			06/11/25 17:30	1
Tetrachloroethene	**77.3**	**E**	0.20	0.036	ppb v/v			06/11/25 17:30	1
Methyl Butyl Ketone (2-Hexanone)	**0.59**		0.50	0.20	ppb v/v			06/11/25 17:30	1
Dibromochloromethane	0.20	U	0.20	0.053	ppb v/v			06/11/25 17:30	1
1,2-Dibromoethane	0.20	U	0.20	0.045	ppb v/v			06/11/25 17:30	1
Chlorobenzene	**0.18**	**J**	0.20	0.047	ppb v/v			06/11/25 17:30	1
Ethylbenzene	**1.34**		0.20	0.051	ppb v/v			06/11/25 17:30	1
m,p-Xylene	**5.58**		0.50	0.014	ppb v/v			06/11/25 17:30	1
Xylene, o-	**2.21**		0.20	0.069	ppb v/v			06/11/25 17:30	1
Xylene (total)	**7.79**		0.70	0.014	ppb v/v			06/11/25 17:30	1
Styrene	**0.34**		0.20	0.056	ppb v/v			06/11/25 17:30	1
Bromoform	0.20	U	0.20	0.058	ppb v/v			06/11/25 17:30	1
Cumene	0.20	U	0.20	0.072	ppb v/v			06/11/25 17:30	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.061	ppb v/v			06/11/25 17:30	1
n-Propylbenzene	**0.13**	**J**	0.20	0.062	ppb v/v			06/11/25 17:30	1
4-Ethyltoluene	**0.18**	**J**	0.20	0.068	ppb v/v			06/11/25 17:30	1
1,3,5-Trimethylbenzene	**0.19**	**J**	0.20	0.068	ppb v/v			06/11/25 17:30	1
2-Chlorotoluene	0.20	U	0.20	0.058	ppb v/v			06/11/25 17:30	1
tert-Butylbenzene	0.20	U	0.20	0.070	ppb v/v			06/11/25 17:30	1
1,2,4-Trimethylbenzene	**1.77**		0.20	0.082	ppb v/v			06/11/25 17:30	1
sec-Butylbenzene	0.20	U	0.20	0.072	ppb v/v			06/11/25 17:30	1
4-Isopropyltoluene	0.20	U	0.20	0.078	ppb v/v			06/11/25 17:30	1
1,3-Dichlorobenzene	**0.12**	**J**	0.20	0.063	ppb v/v			06/11/25 17:30	1
1,4-Dichlorobenzene	0.20	U	0.20	0.070	ppb v/v			06/11/25 17:30	1
Benzyl chloride	0.20	U	0.20	0.074	ppb v/v			06/11/25 17:30	1
n-Butylbenzene	**0.083**	**J**	0.20	0.070	ppb v/v			06/11/25 17:30	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			06/11/25 17:30	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.30	ppb v/v			06/11/25 17:30	1
Hexachlorobutadiene	0.20	U	0.20	0.078	ppb v/v			06/11/25 17:30	1
Naphthalene	**0.26**	**J**	0.50	0.11	ppb v/v			06/11/25 17:30	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Client Sample ID: SV-5
Date Collected: 06/06/25 09:57
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-5
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**3.01**		2.47	1.09	ug/m3			06/11/25 17:30	1
Chlorodifluoromethane	**12.4**		1.77	1.27	ug/m3			06/11/25 17:30	1
1,2-Dichlorotetrafluoroethane	1.40	U	1.40	0.53	ug/m3			06/11/25 17:30	1
Chloromethane	1.03	U	1.03	0.68	ug/m3			06/11/25 17:30	1
n-Butane	1.19	U	1.19	0.74	ug/m3			06/11/25 17:30	1
Vinyl chloride	0.20	U	0.20	0.074	ug/m3			06/11/25 17:30	1
1,3-Butadiene	**0.23**	**J**	0.44	0.088	ug/m3			06/11/25 17:30	1
Bromomethane	0.78	U	0.78	0.24	ug/m3			06/11/25 17:30	1
Chloroethane	1.32	U	1.32	0.42	ug/m3			06/11/25 17:30	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.21	ug/m3			06/11/25 17:30	1
Trichlorofluoromethane	**3.96**		1.12	0.43	ug/m3			06/11/25 17:30	1
1,1,2-Trichlorotrifluoroethane	**0.61**	**J**	1.53	0.44	ug/m3			06/11/25 17:30	1
1,1-Dichloroethene	0.14	U	0.14	0.14	ug/m3			06/11/25 17:30	1
Acetone	**28.9**		11.9	4.51	ug/m3			06/11/25 17:30	1
Isopropyl alcohol	**14.5**		12.3	5.41	ug/m3			06/11/25 17:30	1
Carbon disulfide	**2.01**		1.56	0.56	ug/m3			06/11/25 17:30	1
3-Chloropropene	1.57	U	1.57	0.25	ug/m3			06/11/25 17:30	1
Methylene Chloride	1.74	U	1.74	0.66	ug/m3			06/11/25 17:30	1
tert-Butyl alcohol	15.2	U	15.2	4.85	ug/m3			06/11/25 17:30	1
Methyl tert-butyl ether	0.72	U	0.72	0.24	ug/m3			06/11/25 17:30	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.079	ug/m3			06/11/25 17:30	1
n-Hexane	**0.84**	**J**	1.76	0.56	ug/m3			06/11/25 17:30	1
1,1-Dichloroethane	0.81	U	0.81	0.073	ug/m3			06/11/25 17:30	1
Methyl Ethyl Ketone	**4.64**		1.47	0.41	ug/m3			06/11/25 17:30	1
cis-1,2-Dichloroethene	2.00	U	2.00	0.13	ug/m3			06/11/25 17:30	1
1,2-Dichloroethene, Total	1.59	U	1.59	0.079	ug/m3			06/11/25 17:30	1
Chloroform	**1.45**		0.98	0.29	ug/m3			06/11/25 17:30	1
Tetrahydrofuran	14.7	U	14.7	5.01	ug/m3			06/11/25 17:30	1
1,1,1-Trichloroethane	**77.1**		1.09	0.40	ug/m3			06/11/25 17:30	1
Cyclohexane	**0.34**	**J**	0.69	0.18	ug/m3			06/11/25 17:30	1
Carbon tetrachloride	**0.39**		0.22	0.15	ug/m3			06/11/25 17:30	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.33	ug/m3			06/11/25 17:30	1
Benzene	**0.91**		0.64	0.16	ug/m3			06/11/25 17:30	1
1,2-Dichloroethane	0.81	U	0.81	0.30	ug/m3			06/11/25 17:30	1
n-Heptane	**1.66**		0.82	0.35	ug/m3			06/11/25 17:30	1
Trichloroethene	**35.4**		0.19	0.16	ug/m3			06/11/25 17:30	1
Methyl methacrylate	**0.53**	**J**	2.05	0.53	ug/m3			06/11/25 17:30	1
1,2-Dichloropropane	0.92	U	0.92	0.25	ug/m3			06/11/25 17:30	1
1,4-Dioxane	**1.57**	**J**	18.0	0.68	ug/m3			06/11/25 17:30	1
Bromodichloromethane	1.34	U	1.34	0.39	ug/m3			06/11/25 17:30	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			06/11/25 17:30	1
methyl isobutyl ketone	**2.56**		2.05	0.78	ug/m3			06/11/25 17:30	1
Toluene	**3.75**		0.75	0.20	ug/m3			06/11/25 17:30	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.28	ug/m3			06/11/25 17:30	1
1,1,2-Trichloroethane	1.09	U	1.09	0.29	ug/m3			06/11/25 17:30	1
Tetrachloroethene	**524**	**E**	1.36	0.24	ug/m3			06/11/25 17:30	1
Methyl Butyl Ketone (2-Hexanone)	**2.42**		2.05	0.82	ug/m3			06/11/25 17:30	1
Dibromochloromethane	1.70	U	1.70	0.45	ug/m3			06/11/25 17:30	1
1,2-Dibromoethane	1.54	U	1.54	0.35	ug/m3			06/11/25 17:30	1

Client Sample ID: SV-5

Lab Sample ID: 200-78310-5

Date Collected: 06/06/25 09:57

Matrix: Air

Date Received: 06/10/25 10:35

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**0.82**	**J**	0.92	0.22	ug/m3			06/11/25 17:30	1
Ethylbenzene	**5.81**		0.87	0.22	ug/m3			06/11/25 17:30	1
m,p-Xylene	**24.2**		2.17	0.061	ug/m3			06/11/25 17:30	1
Xylene, o-	**9.58**		0.87	0.30	ug/m3			06/11/25 17:30	1
Xylene (total)	**33.8**		3.04	0.061	ug/m3			06/11/25 17:30	1
Styrene	**1.46**		0.85	0.24	ug/m3			06/11/25 17:30	1
Bromoform	2.07	U	2.07	0.60	ug/m3			06/11/25 17:30	1
Cumene	0.98	U	0.98	0.35	ug/m3			06/11/25 17:30	1
1,1,2,2-Tetrachloroethane	1.37	U	1.37	0.42	ug/m3			06/11/25 17:30	1
n-Propylbenzene	**0.64**	**J**	0.98	0.30	ug/m3			06/11/25 17:30	1
4-Ethyltoluene	**0.89**	**J**	0.98	0.33	ug/m3			06/11/25 17:30	1
1,3,5-Trimethylbenzene	**0.91**	**J**	0.98	0.33	ug/m3			06/11/25 17:30	1
2-Chlorotoluene	1.04	U	1.04	0.30	ug/m3			06/11/25 17:30	1
tert-Butylbenzene	1.10	U	1.10	0.38	ug/m3			06/11/25 17:30	1
1,2,4-Trimethylbenzene	**8.71**		0.98	0.40	ug/m3			06/11/25 17:30	1
sec-Butylbenzene	1.10	U	1.10	0.40	ug/m3			06/11/25 17:30	1
4-Isopropyltoluene	1.10	U	1.10	0.43	ug/m3			06/11/25 17:30	1
1,3-Dichlorobenzene	**0.74**	**J**	1.20	0.38	ug/m3			06/11/25 17:30	1
1,4-Dichlorobenzene	1.20	U	1.20	0.42	ug/m3			06/11/25 17:30	1
Benzyl chloride	1.04	U	1.04	0.38	ug/m3			06/11/25 17:30	1
n-Butylbenzene	**0.46**	**J**	1.10	0.38	ug/m3			06/11/25 17:30	1
1,2-Dichlorobenzene	1.20	U	1.20	0.40	ug/m3			06/11/25 17:30	1
1,2,4-Trichlorobenzene	3.71	U	3.71	2.23	ug/m3			06/11/25 17:30	1
Hexachlorobutadiene	2.13	U	2.13	0.83	ug/m3			06/11/25 17:30	1
Naphthalene	**1.38**	**J**	2.62	0.58	ug/m3			06/11/25 17:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*6.72*	*J*	*ppb v/v*		*11.08*	*N/A*		*06/11/25 17:30*	*1*
1-Butanol	*4.17*	*J N*	*ppb v/v*		*13.76*	*71-36-3*		*06/11/25 17:30*	*1*
Octane	*1.85*	*J N*	*ppb v/v*		*16.57*	*111-65-9*		*06/11/25 17:30*	*1*
Cyclotrisiloxane, hexamethyl-	*7.84*	*J N*	*ppb v/v*		*16.98*	*541-05-9*		*06/11/25 17:30*	*1*
Unknown	*1.85*	*J*	*ppb v/v*		*17.77*	*N/A*		*06/11/25 17:30*	*1*
Unknown	*2.43*	*J*	*ppb v/v*		*18.56*	*N/A*		*06/11/25 17:30*	*1*
Nonane	*2.59*	*J N*	*ppb v/v*		*19.58*	*111-84-2*		*06/11/25 17:30*	*1*
.alpha.-Pinene	*1.82*	*J N*	*ppb v/v*		*20.98*	*80-56-8*		*06/11/25 17:30*	*1*
Unknown	*6.92*	*J*	*ppb v/v*		*21.40*	*N/A*		*06/11/25 17:30*	*1*
Unknown	*1.63*	*J*	*ppb v/v*		*23.02*	*N/A*		*06/11/25 17:30*	*1*

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.00	U	2.00	0.88	ppb v/v			06/11/25 18:22	4
Chlorodifluoromethane	**3.59**		2.00	1.44	ppb v/v			06/11/25 18:22	4
1,2-Dichlorotetrafluoroethane	0.80	U	0.80	0.30	ppb v/v			06/11/25 18:22	4
Chloromethane	2.00	U	2.00	1.32	ppb v/v			06/11/25 18:22	4
n-Butane	2.00	U	2.00	1.24	ppb v/v			06/11/25 18:22	4
Vinyl chloride	0.31	U	0.31	0.12	ppb v/v			06/11/25 18:22	4
1,3-Butadiene	0.80	U	0.80	0.16	ppb v/v			06/11/25 18:22	4
Bromomethane	0.80	U	0.80	0.25	ppb v/v			06/11/25 18:22	4
Chloroethane	2.00	U	2.00	0.64	ppb v/v			06/11/25 18:22	4

Client Sample ID: SV-5
Date Collected: 06/06/25 09:57
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-5
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoethene(Vinyl Bromide)	0.80	U	0.80	0.19	ppb v/v			06/11/25 18:22	4
Trichlorofluoromethane	**0.72**	**J**	0.80	0.31	ppb v/v			06/11/25 18:22	4
1,1,2-Trichlorotrifluoroethane	0.80	U	0.80	0.23	ppb v/v			06/11/25 18:22	4
1,1-Dichloroethene	0.14	U	0.14	0.14	ppb v/v			06/11/25 18:22	4
Acetone	**12.0**	**J**	20.0	7.60	ppb v/v			06/11/25 18:22	4
Isopropyl alcohol	20.0	U	20.0	8.80	ppb v/v			06/11/25 18:22	4
Carbon disulfide	2.00	U	2.00	0.72	ppb v/v			06/11/25 18:22	4
3-Chloropropene	2.00	U	2.00	0.32	ppb v/v			06/11/25 18:22	4
Methylene Chloride	2.00	U	2.00	0.76	ppb v/v			06/11/25 18:22	4
tert-Butyl alcohol	20.0	U	20.0	6.40	ppb v/v			06/11/25 18:22	4
Methyl tert-butyl ether	0.80	U	0.80	0.26	ppb v/v			06/11/25 18:22	4
trans-1,2-Dichloroethene	0.80	U	0.80	0.080	ppb v/v			06/11/25 18:22	4
n-Hexane	2.00	U	2.00	0.64	ppb v/v			06/11/25 18:22	4
1,1-Dichloroethane	0.80	U	0.80	0.072	ppb v/v			06/11/25 18:22	4
Methyl Ethyl Ketone	**1.41**	**J**	2.00	0.56	ppb v/v			06/11/25 18:22	4
cis-1,2-Dichloroethene	2.02	U	2.02	0.13	ppb v/v			06/11/25 18:22	4
1,2-Dichloroethene, Total	1.60	U	1.60	0.080	ppb v/v			06/11/25 18:22	4
Chloroform	**0.28**	**J**	0.80	0.24	ppb v/v			06/11/25 18:22	4
Tetrahydrofuran	20.0	U	20.0	6.80	ppb v/v			06/11/25 18:22	4
1,1,1-Trichloroethane	**13.7**		0.80	0.29	ppb v/v			06/11/25 18:22	4
Cyclohexane	0.80	U	0.80	0.21	ppb v/v			06/11/25 18:22	4
Carbon tetrachloride	0.14	U	0.14	0.096	ppb v/v			06/11/25 18:22	4
2,2,4-Trimethylpentane	0.80	U	0.80	0.28	ppb v/v			06/11/25 18:22	4
Benzene	**0.29**	**J**	0.80	0.20	ppb v/v			06/11/25 18:22	4
1,2-Dichloroethane	0.80	U	0.80	0.30	ppb v/v			06/11/25 18:22	4
n-Heptane	**0.39**	**J**	0.80	0.34	ppb v/v			06/11/25 18:22	4
Trichloroethene	**6.40**		0.14	0.12	ppb v/v			06/11/25 18:22	4
Methyl methacrylate	2.00	U	2.00	0.52	ppb v/v			06/11/25 18:22	4
1,2-Dichloropropane	0.80	U	0.80	0.22	ppb v/v			06/11/25 18:22	4
1,4-Dioxane	20.0	U	20.0	0.76	ppb v/v			06/11/25 18:22	4
Bromodichloromethane	0.80	U	0.80	0.23	ppb v/v			06/11/25 18:22	4
cis-1,3-Dichloropropene	0.80	U	0.80	0.22	ppb v/v			06/11/25 18:22	4
methyl isobutyl ketone	2.00	U	2.00	0.76	ppb v/v			06/11/25 18:22	4
Toluene	**0.95**		0.80	0.22	ppb v/v			06/11/25 18:22	4
trans-1,3-Dichloropropene	0.80	U	0.80	0.25	ppb v/v			06/11/25 18:22	4
1,1,2-Trichloroethane	0.80	U	0.80	0.21	ppb v/v			06/11/25 18:22	4
Tetrachloroethene	**76.8**		0.80	0.14	ppb v/v			06/11/25 18:22	4
Methyl Butyl Ketone (2-Hexanone)	2.00	U	2.00	0.80	ppb v/v			06/11/25 18:22	4
Dibromochloromethane	0.80	U	0.80	0.21	ppb v/v			06/11/25 18:22	4
1,2-Dibromoethane	0.80	U	0.80	0.18	ppb v/v			06/11/25 18:22	4
Chlorobenzene	0.80	U	0.80	0.19	ppb v/v			06/11/25 18:22	4
Ethylbenzene	**1.24**		0.80	0.20	ppb v/v			06/11/25 18:22	4
m,p-Xylene	**5.05**		2.00	0.056	ppb v/v			06/11/25 18:22	4
Xylene, o-	**1.96**		0.80	0.28	ppb v/v			06/11/25 18:22	4
Xylene (total)	**7.01**		2.80	0.056	ppb v/v			06/11/25 18:22	4
Styrene	**0.28**	**J**	0.80	0.22	ppb v/v			06/11/25 18:22	4
Bromoform	0.80	U	0.80	0.23	ppb v/v			06/11/25 18:22	4
Cumene	0.80	U	0.80	0.29	ppb v/v			06/11/25 18:22	4

Client Sample ID: SV-5

Lab Sample ID: 200-78310-5

Date Collected: 06/06/25 09:57

Matrix: Air

Date Received: 06/10/25 10:35

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	0.80	U	0.80	0.24	ppb v/v			06/11/25 18:22	4
n-Propylbenzene	0.80	U	0.80	0.25	ppb v/v			06/11/25 18:22	4
4-Ethyltoluene	0.80	U	0.80	0.27	ppb v/v			06/11/25 18:22	4
1,3,5-Trimethylbenzene	0.80	U	0.80	0.27	ppb v/v			06/11/25 18:22	4
2-Chlorotoluene	0.80	U	0.80	0.23	ppb v/v			06/11/25 18:22	4
tert-Butylbenzene	0.80	U	0.80	0.28	ppb v/v			06/11/25 18:22	4
1,2,4-Trimethylbenzene	**1.43**		0.80	0.33	ppb v/v			06/11/25 18:22	4
sec-Butylbenzene	0.80	U	0.80	0.29	ppb v/v			06/11/25 18:22	4
4-Isopropyltoluene	0.80	U	0.80	0.31	ppb v/v			06/11/25 18:22	4
1,3-Dichlorobenzene	0.80	U	0.80	0.25	ppb v/v			06/11/25 18:22	4
1,4-Dichlorobenzene	0.80	U	0.80	0.28	ppb v/v			06/11/25 18:22	4
Benzyl chloride	0.80	U	0.80	0.30	ppb v/v			06/11/25 18:22	4
n-Butylbenzene	0.80	U	0.80	0.28	ppb v/v			06/11/25 18:22	4
1,2-Dichlorobenzene	0.80	U	0.80	0.26	ppb v/v			06/11/25 18:22	4
1,2,4-Trichlorobenzene	2.00	U	2.00	1.20	ppb v/v			06/11/25 18:22	4
Hexachlorobutadiene	0.80	U	0.80	0.31	ppb v/v			06/11/25 18:22	4
Naphthalene	2.00	U	2.00	0.44	ppb v/v			06/11/25 18:22	4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	9.89	U	9.89	4.35	ug/m3			06/11/25 18:22	4
Chlorodifluoromethane	**12.7**		7.07	5.09	ug/m3			06/11/25 18:22	4
1,2-Dichlorotetrafluoroethane	5.59	U	5.59	2.13	ug/m3			06/11/25 18:22	4
Chloromethane	4.13	U	4.13	2.73	ug/m3			06/11/25 18:22	4
n-Butane	4.75	U	4.75	2.95	ug/m3			06/11/25 18:22	4
Vinyl chloride	0.80	U	0.80	0.30	ug/m3			06/11/25 18:22	4
1,3-Butadiene	1.77	U	1.77	0.35	ug/m3			06/11/25 18:22	4
Bromomethane	3.11	U	3.11	0.96	ug/m3			06/11/25 18:22	4
Chloroethane	5.28	U	5.28	1.69	ug/m3			06/11/25 18:22	4
Bromoethene(Vinyl Bromide)	3.50	U	3.50	0.84	ug/m3			06/11/25 18:22	4
Trichlorofluoromethane	**4.05**	**J**	4.49	1.73	ug/m3			06/11/25 18:22	4
1,1,2-Trichlorotrifluoroethane	6.13	U	6.13	1.75	ug/m3			06/11/25 18:22	4
1,1-Dichloroethene	0.56	U	0.56	0.56	ug/m3			06/11/25 18:22	4
Acetone	**28.6**	**J**	47.5	18.1	ug/m3			06/11/25 18:22	4
Isopropyl alcohol	49.2	U	49.2	21.6	ug/m3			06/11/25 18:22	4
Carbon disulfide	6.23	U	6.23	2.24	ug/m3			06/11/25 18:22	4
3-Chloropropene	6.26	U	6.26	1.01	ug/m3			06/11/25 18:22	4
Methylene Chloride	6.95	U	6.95	2.64	ug/m3			06/11/25 18:22	4
tert-Butyl alcohol	60.6	U	60.6	19.4	ug/m3			06/11/25 18:22	4
Methyl tert-butyl ether	2.88	U	2.88	0.95	ug/m3			06/11/25 18:22	4
trans-1,2-Dichloroethene	3.17	U	3.17	0.32	ug/m3			06/11/25 18:22	4
n-Hexane	7.05	U	7.05	2.26	ug/m3			06/11/25 18:22	4
1,1-Dichloroethane	3.24	U	3.24	0.29	ug/m3			06/11/25 18:22	4
Methyl Ethyl Ketone	**4.16**	**J**	5.90	1.65	ug/m3			06/11/25 18:22	4
cis-1,2-Dichloroethene	7.99	U	7.99	0.51	ug/m3			06/11/25 18:22	4
1,2-Dichloroethene, Total	6.34	U	6.34	0.32	ug/m3			06/11/25 18:22	4
Chloroform	**1.39**	**J**	3.91	1.15	ug/m3			06/11/25 18:22	4
Tetrahydrofuran	59.0	U	59.0	20.1	ug/m3			06/11/25 18:22	4
1,1,1-Trichloroethane	**74.7**		4.37	1.59	ug/m3			06/11/25 18:22	4
Cyclohexane	2.75	U	2.75	0.72	ug/m3			06/11/25 18:22	4

Client Sample ID: SV-5

Lab Sample ID: 200-78310-5

Date Collected: 06/06/25 09:57

Matrix: Air

Date Received: 06/10/25 10:35

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.88	U	0.88	0.60	ug/m3			06/11/25 18:22	4
2,2,4-Trimethylpentane	3.74	U	3.74	1.33	ug/m3			06/11/25 18:22	4
Benzene	**0.93**	**J**	2.56	0.65	ug/m3			06/11/25 18:22	4
1,2-Dichloroethane	3.24	U	3.24	1.20	ug/m3			06/11/25 18:22	4
n-Heptane	**1.61**	**J**	3.28	1.41	ug/m3			06/11/25 18:22	4
Trichloroethene	**34.4**		0.75	0.62	ug/m3			06/11/25 18:22	4
Methyl methacrylate	8.19	U	8.19	2.13	ug/m3			06/11/25 18:22	4
1,2-Dichloropropane	3.70	U	3.70	1.02	ug/m3			06/11/25 18:22	4
1,4-Dioxane	72.1	U	72.1	2.74	ug/m3			06/11/25 18:22	4
Bromodichloromethane	5.36	U	5.36	1.55	ug/m3			06/11/25 18:22	4
cis-1,3-Dichloropropene	3.63	U	3.63	1.02	ug/m3			06/11/25 18:22	4
methyl isobutyl ketone	8.19	U	8.19	3.11	ug/m3			06/11/25 18:22	4
Toluene	**3.57**		3.01	0.81	ug/m3			06/11/25 18:22	4
trans-1,3-Dichloropropene	3.63	U	3.63	1.13	ug/m3			06/11/25 18:22	4
1,1,2-Trichloroethane	4.37	U	4.37	1.16	ug/m3			06/11/25 18:22	4
Tetrachloroethene	**521**		5.43	0.98	ug/m3			06/11/25 18:22	4
Methyl Butyl Ketone (2-Hexanone)	8.20	U	8.20	3.28	ug/m3			06/11/25 18:22	4
Dibromochloromethane	6.81	U	6.81	1.81	ug/m3			06/11/25 18:22	4
1,2-Dibromoethane	6.15	U	6.15	1.38	ug/m3			06/11/25 18:22	4
Chlorobenzene	3.68	U	3.68	0.87	ug/m3			06/11/25 18:22	4
Ethylbenzene	**5.38**		3.47	0.89	ug/m3			06/11/25 18:22	4
m,p-Xylene	**21.9**		8.68	0.24	ug/m3			06/11/25 18:22	4
Xylene, o-	**8.50**		3.47	1.20	ug/m3			06/11/25 18:22	4
Xylene (total)	**30.4**		12.2	0.24	ug/m3			06/11/25 18:22	4
Styrene	**1.19**	**J**	3.41	0.95	ug/m3			06/11/25 18:22	4
Bromoform	8.27	U	8.27	2.40	ug/m3			06/11/25 18:22	4
Cumene	3.93	U	3.93	1.42	ug/m3			06/11/25 18:22	4
1,1,2,2-Tetrachloroethane	5.49	U	5.49	1.68	ug/m3			06/11/25 18:22	4
n-Propylbenzene	3.93	U	3.93	1.22	ug/m3			06/11/25 18:22	4
4-Ethyltoluene	3.93	U	3.93	1.34	ug/m3			06/11/25 18:22	4
1,3,5-Trimethylbenzene	3.93	U	3.93	1.34	ug/m3			06/11/25 18:22	4
2-Chlorotoluene	4.14	U	4.14	1.20	ug/m3			06/11/25 18:22	4
tert-Butylbenzene	4.39	U	4.39	1.54	ug/m3			06/11/25 18:22	4
1,2,4-Trimethylbenzene	**7.01**		3.93	1.61	ug/m3			06/11/25 18:22	4
sec-Butylbenzene	4.39	U	4.39	1.58	ug/m3			06/11/25 18:22	4
4-Isopropyltoluene	4.39	U	4.39	1.71	ug/m3			06/11/25 18:22	4
1,3-Dichlorobenzene	4.81	U	4.81	1.52	ug/m3			06/11/25 18:22	4
1,4-Dichlorobenzene	4.81	U	4.81	1.68	ug/m3			06/11/25 18:22	4
Benzyl chloride	4.14	U	4.14	1.53	ug/m3			06/11/25 18:22	4
n-Butylbenzene	4.39	U	4.39	1.54	ug/m3			06/11/25 18:22	4
1,2-Dichlorobenzene	4.81	U	4.81	1.59	ug/m3			06/11/25 18:22	4
1,2,4-Trichlorobenzene	14.8	U	14.8	8.91	ug/m3			06/11/25 18:22	4
Hexachlorobutadiene	8.53	U	8.53	3.33	ug/m3			06/11/25 18:22	4
Naphthalene	10.5	U	10.5	2.31	ug/m3			06/11/25 18:22	4

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Silanol, trimethyl-	*5.81*	*J N*	*ppb v/v*		*11.09*	*1066-40-6*		*06/11/25 18:22*	*4*
1-Butanol	*4.01*	*J N*	*ppb v/v*		*13.76*	*71-36-3*		*06/11/25 18:22*	*4*
Cyclotrisiloxane, hexamethyl-	*6.90*	*J N*	*ppb v/v*		*16.98*	*541-05-9*		*06/11/25 18:22*	*4*

Client Sample ID: SV-5

Lab Sample ID: 200-78310-5

Date Collected: 06/06/25 09:57
Matrix: Air
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	*6.03*	*J*	*ppb v/v*		*21.40*	*N/A*		*06/11/25 18:22*	*4*

Client Sample ID: IA-1

Lab Sample ID: 200-78310-6

Date Collected: 06/06/25 10:16
Matrix: Air
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.66**		0.50	0.22	ppb v/v			06/11/25 02:00	1
Chlorodifluoromethane	**0.48**	**J**	0.50	0.36	ppb v/v			06/11/25 02:00	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.076	ppb v/v			06/11/25 02:00	1
Chloromethane	**0.78**		0.50	0.33	ppb v/v			06/11/25 02:00	1
n-Butane	**2.03**		0.50	0.31	ppb v/v			06/11/25 02:00	1
Vinyl chloride	0.078	U	0.078	0.029	ppb v/v			06/11/25 02:00	1
1,3-Butadiene	**1.63**		0.20	0.040	ppb v/v			06/11/25 02:00	1
Bromomethane	0.20	U	0.20	0.062	ppb v/v			06/11/25 02:00	1
Chloroethane	0.50	U	0.50	0.16	ppb v/v			06/11/25 02:00	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.048	ppb v/v			06/11/25 02:00	1
Trichlorofluoromethane	**0.31**		0.20	0.077	ppb v/v			06/11/25 02:00	1
1,1,2-Trichlorotrifluoroethane	**0.081**	**J**	0.20	0.057	ppb v/v			06/11/25 02:00	1
1,1-Dichloroethene	0.035	U	0.035	0.035	ppb v/v			06/11/25 02:00	1
Acetone	**8.46**		5.00	1.90	ppb v/v			06/11/25 02:00	1
Isopropyl alcohol	5.00	U	5.00	2.20	ppb v/v			06/11/25 02:00	1
Carbon disulfide	**0.20**	**J**	0.50	0.18	ppb v/v			06/11/25 02:00	1
3-Chloropropene	0.50	U	0.50	0.081	ppb v/v			06/11/25 02:00	1
Methylene Chloride	0.50	U	0.50	0.19	ppb v/v			06/11/25 02:00	1
tert-Butyl alcohol	5.00	U	5.00	1.60	ppb v/v			06/11/25 02:00	1
Methyl tert-butyl ether	0.20	U	0.20	0.066	ppb v/v			06/11/25 02:00	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.020	ppb v/v			06/11/25 02:00	1
n-Hexane	**3.68**		0.50	0.16	ppb v/v			06/11/25 02:00	1
1,1-Dichloroethane	0.20	U	0.20	0.018	ppb v/v			06/11/25 02:00	1
Methyl Ethyl Ketone	**1.03**		0.50	0.14	ppb v/v			06/11/25 02:00	1
cis-1,2-Dichloroethene	0.50	U	0.50	0.032	ppb v/v			06/11/25 02:00	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.020	ppb v/v			06/11/25 02:00	1
Chloroform	0.20	U	0.20	0.059	ppb v/v			06/11/25 02:00	1
Tetrahydrofuran	5.00	U	5.00	1.70	ppb v/v			06/11/25 02:00	1
1,1,1-Trichloroethane	0.20	U	0.20	0.073	ppb v/v			06/11/25 02:00	1
Cyclohexane	**1.17**		0.20	0.052	ppb v/v			06/11/25 02:00	1
Carbon tetrachloride	**0.081**		0.035	0.024	ppb v/v			06/11/25 02:00	1
2,2,4-Trimethylpentane	**1.19**		0.20	0.071	ppb v/v			06/11/25 02:00	1
Benzene	**2.46**		0.20	0.051	ppb v/v			06/11/25 02:00	1
1,2-Dichloroethane	0.20	U	0.20	0.074	ppb v/v			06/11/25 02:00	1
n-Heptane	**0.64**		0.20	0.086	ppb v/v			06/11/25 02:00	1
Trichloroethene	**0.053**		0.035	0.029	ppb v/v			06/11/25 02:00	1
Methyl methacrylate	0.50	U	0.50	0.13	ppb v/v			06/11/25 02:00	1
1,2-Dichloropropane	0.20	U	0.20	0.055	ppb v/v			06/11/25 02:00	1
1,4-Dioxane	5.00	U	5.00	0.19	ppb v/v			06/11/25 02:00	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Client Sample ID: IA-1
Date Collected: 06/06/25 10:16
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-6
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.20	U	0.20	0.058	ppb v/v			06/11/25 02:00	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.056	ppb v/v			06/11/25 02:00	1
methyl isobutyl ketone	0.50	U	0.50	0.19	ppb v/v			06/11/25 02:00	1
Toluene	**2.84**		0.20	0.054	ppb v/v			06/11/25 02:00	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.062	ppb v/v			06/11/25 02:00	1
1,1,2-Trichloroethane	0.20	U	0.20	0.053	ppb v/v			06/11/25 02:00	1
Tetrachloroethene	**10.5**		0.20	0.036	ppb v/v			06/11/25 02:00	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.20	ppb v/v			06/11/25 02:00	1
Dibromochloromethane	0.20	U	0.20	0.053	ppb v/v			06/11/25 02:00	1
1,2-Dibromoethane	0.20	U	0.20	0.045	ppb v/v			06/11/25 02:00	1
Chlorobenzene	0.20	U	0.20	0.047	ppb v/v			06/11/25 02:00	1
Ethylbenzene	**0.84**		0.20	0.051	ppb v/v			06/11/25 02:00	1
m,p-Xylene	**3.64**		0.50	0.014	ppb v/v			06/11/25 02:00	1
Xylene, o-	**1.17**		0.20	0.069	ppb v/v			06/11/25 02:00	1
Xylene (total)	**4.81**		0.70	0.014	ppb v/v			06/11/25 02:00	1
Styrene	**0.23**		0.20	0.056	ppb v/v			06/11/25 02:00	1
Bromoform	0.20	U	0.20	0.058	ppb v/v			06/11/25 02:00	1
Cumene	0.20	U	0.20	0.072	ppb v/v			06/11/25 02:00	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.061	ppb v/v			06/11/25 02:00	1
n-Propylbenzene	**0.13**	**J**	0.20	0.062	ppb v/v			06/11/25 02:00	1
4-Ethyltoluene	**0.19**	**J**	0.20	0.068	ppb v/v			06/11/25 02:00	1
1,3,5-Trimethylbenzene	**0.21**		0.20	0.068	ppb v/v			06/11/25 02:00	1
2-Chlorotoluene	0.20	U	0.20	0.058	ppb v/v			06/11/25 02:00	1
tert-Butylbenzene	0.20	U	0.20	0.070	ppb v/v			06/11/25 02:00	1
1,2,4-Trimethylbenzene	**0.77**		0.20	0.082	ppb v/v			06/11/25 02:00	1
sec-Butylbenzene	0.20	U	0.20	0.072	ppb v/v			06/11/25 02:00	1
4-Isopropyltoluene	0.20	U	0.20	0.078	ppb v/v			06/11/25 02:00	1
1,3-Dichlorobenzene	0.20	U	0.20	0.063	ppb v/v			06/11/25 02:00	1
1,4-Dichlorobenzene	**0.10**	**J**	0.20	0.070	ppb v/v			06/11/25 02:00	1
Benzyl chloride	0.20	U	0.20	0.074	ppb v/v			06/11/25 02:00	1
n-Butylbenzene	**0.070**	**J**	0.20	0.070	ppb v/v			06/11/25 02:00	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			06/11/25 02:00	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.30	ppb v/v			06/11/25 02:00	1
Hexachlorobutadiene	0.20	U	0.20	0.078	ppb v/v			06/11/25 02:00	1
Naphthalene	**0.36**	**J**	0.50	0.11	ppb v/v			06/11/25 02:00	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**3.28**		2.47	1.09	ug/m3			06/11/25 02:00	1
Chlorodifluoromethane	**1.71**	**J**	1.77	1.27	ug/m3			06/11/25 02:00	1
1,2-Dichlorotetrafluoroethane	1.40	U	1.40	0.53	ug/m3			06/11/25 02:00	1
Chloromethane	**1.60**		1.03	0.68	ug/m3			06/11/25 02:00	1
n-Butane	**4.83**		1.19	0.74	ug/m3			06/11/25 02:00	1
Vinyl chloride	0.20	U	0.20	0.074	ug/m3			06/11/25 02:00	1
1,3-Butadiene	**3.61**		0.44	0.088	ug/m3			06/11/25 02:00	1
Bromomethane	0.78	U	0.78	0.24	ug/m3			06/11/25 02:00	1
Chloroethane	1.32	U	1.32	0.42	ug/m3			06/11/25 02:00	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.21	ug/m3			06/11/25 02:00	1
Trichlorofluoromethane	**1.72**		1.12	0.43	ug/m3			06/11/25 02:00	1
1,1,2-Trichlorotrifluoroethane	**0.62**	**J**	1.53	0.44	ug/m3			06/11/25 02:00	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Client Sample ID: IA-1
Date Collected: 06/06/25 10:16
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-6
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.14	U	0.14	0.14	ug/m3			06/11/25 02:00	1
Acetone	**20.1**		11.9	4.51	ug/m3			06/11/25 02:00	1
Isopropyl alcohol	12.3	U	12.3	5.41	ug/m3			06/11/25 02:00	1
Carbon disulfide	**0.64**	**J**	1.56	0.56	ug/m3			06/11/25 02:00	1
3-Chloropropene	1.57	U	1.57	0.25	ug/m3			06/11/25 02:00	1
Methylene Chloride	1.74	U	1.74	0.66	ug/m3			06/11/25 02:00	1
tert-Butyl alcohol	15.2	U	15.2	4.85	ug/m3			06/11/25 02:00	1
Methyl tert-butyl ether	0.72	U	0.72	0.24	ug/m3			06/11/25 02:00	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.079	ug/m3			06/11/25 02:00	1
n-Hexane	**13.0**		1.76	0.56	ug/m3			06/11/25 02:00	1
1,1-Dichloroethane	0.81	U	0.81	0.073	ug/m3			06/11/25 02:00	1
Methyl Ethyl Ketone	**3.04**		1.47	0.41	ug/m3			06/11/25 02:00	1
cis-1,2-Dichloroethene	2.00	U	2.00	0.13	ug/m3			06/11/25 02:00	1
1,2-Dichloroethene, Total	1.59	U	1.59	0.079	ug/m3			06/11/25 02:00	1
Chloroform	0.98	U	0.98	0.29	ug/m3			06/11/25 02:00	1
Tetrahydrofuran	14.7	U	14.7	5.01	ug/m3			06/11/25 02:00	1
1,1,1-Trichloroethane	1.09	U	1.09	0.40	ug/m3			06/11/25 02:00	1
Cyclohexane	**4.01**		0.69	0.18	ug/m3			06/11/25 02:00	1
Carbon tetrachloride	**0.51**		0.22	0.15	ug/m3			06/11/25 02:00	1
2,2,4-Trimethylpentane	**5.58**		0.93	0.33	ug/m3			06/11/25 02:00	1
Benzene	**7.87**		0.64	0.16	ug/m3			06/11/25 02:00	1
1,2-Dichloroethane	0.81	U	0.81	0.30	ug/m3			06/11/25 02:00	1
n-Heptane	**2.61**		0.82	0.35	ug/m3			06/11/25 02:00	1
Trichloroethene	**0.28**		0.19	0.16	ug/m3			06/11/25 02:00	1
Methyl methacrylate	2.05	U	2.05	0.53	ug/m3			06/11/25 02:00	1
1,2-Dichloropropane	0.92	U	0.92	0.25	ug/m3			06/11/25 02:00	1
1,4-Dioxane	18.0	U	18.0	0.68	ug/m3			06/11/25 02:00	1
Bromodichloromethane	1.34	U	1.34	0.39	ug/m3			06/11/25 02:00	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			06/11/25 02:00	1
methyl isobutyl ketone	2.05	U	2.05	0.78	ug/m3			06/11/25 02:00	1
Toluene	**10.7**		0.75	0.20	ug/m3			06/11/25 02:00	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.28	ug/m3			06/11/25 02:00	1
1,1,2-Trichloroethane	1.09	U	1.09	0.29	ug/m3			06/11/25 02:00	1
Tetrachloroethene	**71.2**		1.36	0.24	ug/m3			06/11/25 02:00	1
Methyl Butyl Ketone (2-Hexanone)	2.05	U	2.05	0.82	ug/m3			06/11/25 02:00	1
Dibromochloromethane	1.70	U	1.70	0.45	ug/m3			06/11/25 02:00	1
1,2-Dibromoethane	1.54	U	1.54	0.35	ug/m3			06/11/25 02:00	1
Chlorobenzene	0.92	U	0.92	0.22	ug/m3			06/11/25 02:00	1
Ethylbenzene	**3.65**		0.87	0.22	ug/m3			06/11/25 02:00	1
m,p-Xylene	**15.8**		2.17	0.061	ug/m3			06/11/25 02:00	1
Xylene, o-	**5.07**		0.87	0.30	ug/m3			06/11/25 02:00	1
Xylene (total)	**20.9**		3.04	0.061	ug/m3			06/11/25 02:00	1
Styrene	**0.97**		0.85	0.24	ug/m3			06/11/25 02:00	1
Bromoform	2.07	U	2.07	0.60	ug/m3			06/11/25 02:00	1
Cumene	0.98	U	0.98	0.35	ug/m3			06/11/25 02:00	1
1,1,2,2-Tetrachloroethane	1.37	U	1.37	0.42	ug/m3			06/11/25 02:00	1
n-Propylbenzene	**0.65**	**J**	0.98	0.30	ug/m3			06/11/25 02:00	1
4-Ethyltoluene	**0.92**	**J**	0.98	0.33	ug/m3			06/11/25 02:00	1

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Client Sample ID: IA-1
Date Collected: 06/06/25 10:16
Date Received: 06/10/25 10:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-78310-6
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	**1.03**		0.98	0.33	ug/m3			06/11/25 02:00	1
2-Chlorotoluene	1.04	U	1.04	0.30	ug/m3			06/11/25 02:00	1
tert-Butylbenzene	1.10	U	1.10	0.38	ug/m3			06/11/25 02:00	1
1,2,4-Trimethylbenzene	**3.80**		0.98	0.40	ug/m3			06/11/25 02:00	1
sec-Butylbenzene	1.10	U	1.10	0.40	ug/m3			06/11/25 02:00	1
4-Isopropyltoluene	1.10	U	1.10	0.43	ug/m3			06/11/25 02:00	1
1,3-Dichlorobenzene	1.20	U	1.20	0.38	ug/m3			06/11/25 02:00	1
1,4-Dichlorobenzene	**0.60**	**J**	1.20	0.42	ug/m3			06/11/25 02:00	1
Benzyl chloride	1.04	U	1.04	0.38	ug/m3			06/11/25 02:00	1
n-Butylbenzene	**0.39**	**J**	1.10	0.38	ug/m3			06/11/25 02:00	1
1,2-Dichlorobenzene	1.20	U	1.20	0.40	ug/m3			06/11/25 02:00	1
1,2,4-Trichlorobenzene	3.71	U	3.71	2.23	ug/m3			06/11/25 02:00	1
Hexachlorobutadiene	2.13	U	2.13	0.83	ug/m3			06/11/25 02:00	1
Naphthalene	**1.90**	**J**	2.62	0.58	ug/m3			06/11/25 02:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*6.21*	*J*	*ppb v/v*		*4.23*	*N/A*		*06/11/25 02:00*	*1*
Unknown	*1.80*	*J*	*ppb v/v*		*5.39*	*N/A*		*06/11/25 02:00*	*1*
Butane, 2-methyl-	*12.8*	*J N*	*ppb v/v*		*6.37*	*78-78-4*		*06/11/25 02:00*	*1*
Pentane	*10.9*	*J N*	*ppb v/v*		*6.95*	*109-66-0*		*06/11/25 02:00*	*1*
Unknown	*9.87*	*J*	*ppb v/v*		*7.18*	*N/A*		*06/11/25 02:00*	*1*
Cyclopropane, 1,2-dimethyl-, cis-	*2.80*	*J N*	*ppb v/v*		*7.58*	*930-18-7*		*06/11/25 02:00*	*1*
Pentane, 2-methyl-	*7.05*	*J N*	*ppb v/v*		*8.79*	*107-83-5*		*06/11/25 02:00*	*1*
Pentane, 3-methyl-	*3.10*	*J N*	*ppb v/v*		*9.24*	*96-14-0*		*06/11/25 02:00*	*1*
Unknown	*2.68*	*J*	*ppb v/v*		*10.79*	*N/A*		*06/11/25 02:00*	*1*
Unknown	*1.47*	*J*	*ppb v/v*		*23.80*	*N/A*		*06/11/25 02:00*	*1*

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-217121/5
Matrix: Air
Analysis Batch: 217121

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.22	ppb v/v			06/10/25 11:19	1
Chlorodifluoromethane	0.50	U	0.50	0.36	ppb v/v			06/10/25 11:19	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.076	ppb v/v			06/10/25 11:19	1
Chloromethane	0.50	U	0.50	0.33	ppb v/v			06/10/25 11:19	1
n-Butane	0.50	U	0.50	0.31	ppb v/v			06/10/25 11:19	1
Vinyl chloride	0.078	U	0.078	0.029	ppb v/v			06/10/25 11:19	1
1,3-Butadiene	0.20	U	0.20	0.040	ppb v/v			06/10/25 11:19	1
Bromomethane	0.20	U	0.20	0.062	ppb v/v			06/10/25 11:19	1
Chloroethane	0.50	U	0.50	0.16	ppb v/v			06/10/25 11:19	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.048	ppb v/v			06/10/25 11:19	1
Trichlorofluoromethane	0.20	U	0.20	0.077	ppb v/v			06/10/25 11:19	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.057	ppb v/v			06/10/25 11:19	1
1,1-Dichloroethene	0.035	U	0.035	0.035	ppb v/v			06/10/25 11:19	1
Acetone	5.00	U	5.00	1.90	ppb v/v			06/10/25 11:19	1
Isopropyl alcohol	5.00	U	5.00	2.20	ppb v/v			06/10/25 11:19	1
Carbon disulfide	0.50	U	0.50	0.18	ppb v/v			06/10/25 11:19	1
3-Chloropropene	0.50	U	0.50	0.081	ppb v/v			06/10/25 11:19	1
Methylene Chloride	0.50	U	0.50	0.19	ppb v/v			06/10/25 11:19	1
tert-Butyl alcohol	5.00	U	5.00	1.60	ppb v/v			06/10/25 11:19	1
Methyl tert-butyl ether	0.20	U	0.20	0.066	ppb v/v			06/10/25 11:19	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.020	ppb v/v			06/10/25 11:19	1
n-Hexane	0.50	U	0.50	0.16	ppb v/v			06/10/25 11:19	1
1,1-Dichloroethane	0.20	U	0.20	0.018	ppb v/v			06/10/25 11:19	1
Methyl Ethyl Ketone	0.50	U	0.50	0.14	ppb v/v			06/10/25 11:19	1
cis-1,2-Dichloroethene	0.50	U	0.50	0.032	ppb v/v			06/10/25 11:19	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.020	ppb v/v			06/10/25 11:19	1
Chloroform	0.20	U	0.20	0.059	ppb v/v			06/10/25 11:19	1
Tetrahydrofuran	5.00	U	5.00	1.70	ppb v/v			06/10/25 11:19	1
1,1,1-Trichloroethane	0.20	U	0.20	0.073	ppb v/v			06/10/25 11:19	1
Cyclohexane	0.20	U	0.20	0.052	ppb v/v			06/10/25 11:19	1
Carbon tetrachloride	0.035	U	0.035	0.024	ppb v/v			06/10/25 11:19	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.071	ppb v/v			06/10/25 11:19	1
Benzene	0.20	U	0.20	0.051	ppb v/v			06/10/25 11:19	1
1,2-Dichloroethane	0.20	U	0.20	0.074	ppb v/v			06/10/25 11:19	1
n-Heptane	0.20	U	0.20	0.086	ppb v/v			06/10/25 11:19	1
Trichloroethene	0.035	U	0.035	0.029	ppb v/v			06/10/25 11:19	1
Methyl methacrylate	0.50	U	0.50	0.13	ppb v/v			06/10/25 11:19	1
1,2-Dichloropropane	0.20	U	0.20	0.055	ppb v/v			06/10/25 11:19	1
1,4-Dioxane	5.00	U	5.00	0.19	ppb v/v			06/10/25 11:19	1
Bromodichloromethane	0.20	U	0.20	0.058	ppb v/v			06/10/25 11:19	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.056	ppb v/v			06/10/25 11:19	1
methyl isobutyl ketone	0.50	U	0.50	0.19	ppb v/v			06/10/25 11:19	1
Toluene	0.20	U	0.20	0.054	ppb v/v			06/10/25 11:19	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.062	ppb v/v			06/10/25 11:19	1
1,1,2-Trichloroethane	0.20	U	0.20	0.053	ppb v/v			06/10/25 11:19	1
Tetrachloroethene	0.20	U	0.20	0.036	ppb v/v			06/10/25 11:19	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.20	ppb v/v			06/10/25 11:19	1
Dibromochloromethane	0.20	U	0.20	0.053	ppb v/v			06/10/25 11:19	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217121/5
Matrix: Air
Analysis Batch: 217121

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.20	U	0.20	0.045	ppb v/v			06/10/25 11:19	1
Chlorobenzene	0.20	U	0.20	0.047	ppb v/v			06/10/25 11:19	1
Ethylbenzene	0.20	U	0.20	0.051	ppb v/v			06/10/25 11:19	1
m,p-Xylene	0.50	U	0.50	0.014	ppb v/v			06/10/25 11:19	1
Xylene, o-	0.20	U	0.20	0.069	ppb v/v			06/10/25 11:19	1
Xylene (total)	0.70	U	0.70	0.014	ppb v/v			06/10/25 11:19	1
Styrene	0.20	U	0.20	0.056	ppb v/v			06/10/25 11:19	1
Bromoform	0.20	U	0.20	0.058	ppb v/v			06/10/25 11:19	1
Cumene	0.20	U	0.20	0.072	ppb v/v			06/10/25 11:19	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.061	ppb v/v			06/10/25 11:19	1
n-Propylbenzene	0.20	U	0.20	0.062	ppb v/v			06/10/25 11:19	1
4-Ethyltoluene	0.20	U	0.20	0.068	ppb v/v			06/10/25 11:19	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.068	ppb v/v			06/10/25 11:19	1
2-Chlorotoluene	0.20	U	0.20	0.058	ppb v/v			06/10/25 11:19	1
tert-Butylbenzene	0.20	U	0.20	0.070	ppb v/v			06/10/25 11:19	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.082	ppb v/v			06/10/25 11:19	1
sec-Butylbenzene	0.20	U	0.20	0.072	ppb v/v			06/10/25 11:19	1
4-Isopropyltoluene	0.20	U	0.20	0.078	ppb v/v			06/10/25 11:19	1
1,3-Dichlorobenzene	0.20	U	0.20	0.063	ppb v/v			06/10/25 11:19	1
1,4-Dichlorobenzene	0.20	U	0.20	0.070	ppb v/v			06/10/25 11:19	1
Benzyl chloride	0.20	U	0.20	0.074	ppb v/v			06/10/25 11:19	1
n-Butylbenzene	0.20	U	0.20	0.070	ppb v/v			06/10/25 11:19	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			06/10/25 11:19	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.30	ppb v/v			06/10/25 11:19	1
Hexachlorobutadiene	0.20	U	0.20	0.078	ppb v/v			06/10/25 11:19	1
Naphthalene	0.50	U	0.50	0.11	ppb v/v			06/10/25 11:19	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.47	U	2.47	1.09	ug/m3			06/10/25 11:19	1
Chlorodifluoromethane	1.77	U	1.77	1.27	ug/m3			06/10/25 11:19	1
1,2-Dichlorotetrafluoroethane	1.40	U	1.40	0.53	ug/m3			06/10/25 11:19	1
Chloromethane	1.03	U	1.03	0.68	ug/m3			06/10/25 11:19	1
n-Butane	1.19	U	1.19	0.74	ug/m3			06/10/25 11:19	1
Vinyl chloride	0.20	U	0.20	0.074	ug/m3			06/10/25 11:19	1
1,3-Butadiene	0.44	U	0.44	0.088	ug/m3			06/10/25 11:19	1
Bromomethane	0.78	U	0.78	0.24	ug/m3			06/10/25 11:19	1
Chloroethane	1.32	U	1.32	0.42	ug/m3			06/10/25 11:19	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.21	ug/m3			06/10/25 11:19	1
Trichlorofluoromethane	1.12	U	1.12	0.43	ug/m3			06/10/25 11:19	1
1,1,2-Trichlorotrifluoroethane	1.53	U	1.53	0.44	ug/m3			06/10/25 11:19	1
1,1-Dichloroethene	0.14	U	0.14	0.14	ug/m3			06/10/25 11:19	1
Acetone	11.9	U	11.9	4.51	ug/m3			06/10/25 11:19	1
Isopropyl alcohol	12.3	U	12.3	5.41	ug/m3			06/10/25 11:19	1
Carbon disulfide	1.56	U	1.56	0.56	ug/m3			06/10/25 11:19	1
3-Chloropropene	1.57	U	1.57	0.25	ug/m3			06/10/25 11:19	1
Methylene Chloride	1.74	U	1.74	0.66	ug/m3			06/10/25 11:19	1
tert-Butyl alcohol	15.2	U	15.2	4.85	ug/m3			06/10/25 11:19	1
Methyl tert-butyl ether	0.72	U	0.72	0.24	ug/m3			06/10/25 11:19	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.079	ug/m3			06/10/25 11:19	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217121/5
Matrix: Air
Analysis Batch: 217121

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	1.76	U	1.76	0.56	ug/m3			06/10/25 11:19	1
1,1-Dichloroethane	0.81	U	0.81	0.073	ug/m3			06/10/25 11:19	1
Methyl Ethyl Ketone	1.47	U	1.47	0.41	ug/m3			06/10/25 11:19	1
cis-1,2-Dichloroethene	2.00	U	2.00	0.13	ug/m3			06/10/25 11:19	1
1,2-Dichloroethene, Total	1.59	U	1.59	0.079	ug/m3			06/10/25 11:19	1
Chloroform	0.98	U	0.98	0.29	ug/m3			06/10/25 11:19	1
Tetrahydrofuran	14.7	U	14.7	5.01	ug/m3			06/10/25 11:19	1
1,1,1-Trichloroethane	1.09	U	1.09	0.40	ug/m3			06/10/25 11:19	1
Cyclohexane	0.69	U	0.69	0.18	ug/m3			06/10/25 11:19	1
Carbon tetrachloride	0.22	U	0.22	0.15	ug/m3			06/10/25 11:19	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.33	ug/m3			06/10/25 11:19	1
Benzene	0.64	U	0.64	0.16	ug/m3			06/10/25 11:19	1
1,2-Dichloroethane	0.81	U	0.81	0.30	ug/m3			06/10/25 11:19	1
n-Heptane	0.82	U	0.82	0.35	ug/m3			06/10/25 11:19	1
Trichloroethene	0.19	U	0.19	0.16	ug/m3			06/10/25 11:19	1
Methyl methacrylate	2.05	U	2.05	0.53	ug/m3			06/10/25 11:19	1
1,2-Dichloropropane	0.92	U	0.92	0.25	ug/m3			06/10/25 11:19	1
1,4-Dioxane	18.0	U	18.0	0.68	ug/m3			06/10/25 11:19	1
Bromodichloromethane	1.34	U	1.34	0.39	ug/m3			06/10/25 11:19	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			06/10/25 11:19	1
methyl isobutyl ketone	2.05	U	2.05	0.78	ug/m3			06/10/25 11:19	1
Toluene	0.75	U	0.75	0.20	ug/m3			06/10/25 11:19	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.28	ug/m3			06/10/25 11:19	1
1,1,2-Trichloroethane	1.09	U	1.09	0.29	ug/m3			06/10/25 11:19	1
Tetrachloroethene	1.36	U	1.36	0.24	ug/m3			06/10/25 11:19	1
Methyl Butyl Ketone (2-Hexanone)	2.05	U	2.05	0.82	ug/m3			06/10/25 11:19	1
Dibromochloromethane	1.70	U	1.70	0.45	ug/m3			06/10/25 11:19	1
1,2-Dibromoethane	1.54	U	1.54	0.35	ug/m3			06/10/25 11:19	1
Chlorobenzene	0.92	U	0.92	0.22	ug/m3			06/10/25 11:19	1
Ethylbenzene	0.87	U	0.87	0.22	ug/m3			06/10/25 11:19	1
m,p-Xylene	2.17	U	2.17	0.061	ug/m3			06/10/25 11:19	1
Xylene, o-	0.87	U	0.87	0.30	ug/m3			06/10/25 11:19	1
Xylene (total)	3.04	U	3.04	0.061	ug/m3			06/10/25 11:19	1
Styrene	0.85	U	0.85	0.24	ug/m3			06/10/25 11:19	1
Bromoform	2.07	U	2.07	0.60	ug/m3			06/10/25 11:19	1
Cumene	0.98	U	0.98	0.35	ug/m3			06/10/25 11:19	1
1,1,2,2-Tetrachloroethane	1.37	U	1.37	0.42	ug/m3			06/10/25 11:19	1
n-Propylbenzene	0.98	U	0.98	0.30	ug/m3			06/10/25 11:19	1
4-Ethyltoluene	0.98	U	0.98	0.33	ug/m3			06/10/25 11:19	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.33	ug/m3			06/10/25 11:19	1
2-Chlorotoluene	1.04	U	1.04	0.30	ug/m3			06/10/25 11:19	1
tert-Butylbenzene	1.10	U	1.10	0.38	ug/m3			06/10/25 11:19	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.40	ug/m3			06/10/25 11:19	1
sec-Butylbenzene	1.10	U	1.10	0.40	ug/m3			06/10/25 11:19	1
4-Isopropyltoluene	1.10	U	1.10	0.43	ug/m3			06/10/25 11:19	1
1,3-Dichlorobenzene	1.20	U	1.20	0.38	ug/m3			06/10/25 11:19	1
1,4-Dichlorobenzene	1.20	U	1.20	0.42	ug/m3			06/10/25 11:19	1
Benzyl chloride	1.04	U	1.04	0.38	ug/m3			06/10/25 11:19	1
n-Butylbenzene	1.10	U	1.10	0.38	ug/m3			06/10/25 11:19	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217121/5
Matrix: Air
Analysis Batch: 217121

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.20	U	1.20	0.40	ug/m3			06/10/25 11:19	1
1,2,4-Trichlorobenzene	3.71	U	3.71	2.23	ug/m3			06/10/25 11:19	1
Hexachlorobutadiene	2.13	U	2.13	0.83	ug/m3			06/10/25 11:19	1
Naphthalene	2.62	U	2.62	0.58	ug/m3			06/10/25 11:19	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ppb v/v*			*N/A*		*06/10/25 11:19*	*1*

Lab Sample ID: LCS 200-217121/3
Matrix: Air
Analysis Batch: 217121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10.0	11.48		ppb v/v		115	61 - 142
Chlorodifluoromethane	10.0	9.542		ppb v/v		95	60 - 147
1,2-Dichlorotetrafluoroethane	10.0	10.61		ppb v/v		106	71 - 141
Chloromethane	10.0	8.953		ppb v/v		90	56 - 141
n-Butane	10.0	6.936		ppb v/v		69	53 - 151
Vinyl chloride	10.0	7.665		ppb v/v		77	61 - 135
1,3-Butadiene	10.0	7.157		ppb v/v		72	58 - 139
Bromomethane	10.0	7.927		ppb v/v		79	72 - 124
Chloroethane	10.0	8.033		ppb v/v		80	68 - 130
Bromoethene(Vinyl Bromide)	10.0	11.33		ppb v/v		113	75 - 125
Trichlorofluoromethane	10.0	11.03		ppb v/v		110	70 - 129
1,1,2-Trichlorotrifluoroethane	10.0	9.484		ppb v/v		95	70 - 121
1,1-Dichloroethene	10.0	9.287		ppb v/v		93	68 - 120
Acetone	10.0	7.723		ppb v/v		77	54 - 154
Isopropyl alcohol	10.0	7.930		ppb v/v		79	53 - 142
Carbon disulfide	10.0	8.149		ppb v/v		82	71 - 138
3-Chloropropene	10.0	6.235		ppb v/v		62	50 - 150
Methylene Chloride	10.0	7.143		ppb v/v		71	59 - 137
tert-Butyl alcohol	10.0	7.922		ppb v/v		79	66 - 132
Methyl tert-butyl ether	10.0	8.864		ppb v/v		89	70 - 127
trans-1,2-Dichloroethene	10.0	7.806		ppb v/v		78	69 - 137
n-Hexane	10.0	7.408		ppb v/v		74	63 - 138
1,1-Dichloroethane	10.0	7.395		ppb v/v		74	66 - 130
Methyl Ethyl Ketone	10.0	8.156		ppb v/v		82	72 - 124
cis-1,2-Dichloroethene	10.0	8.067		ppb v/v		81	72 - 121
Chloroform	10.0	8.624		ppb v/v		86	73 - 124
Tetrahydrofuran	10.0	6.299		ppb v/v		63	60 - 149
1,1,1-Trichloroethane	10.0	9.571		ppb v/v		96	72 - 127
Cyclohexane	10.0	8.612		ppb v/v		86	76 - 124
Carbon tetrachloride	10.0	9.972		ppb v/v		100	71 - 133
2,2,4-Trimethylpentane	10.0	7.818		ppb v/v		78	68 - 131
Benzene	10.0	8.254		ppb v/v		83	73 - 119
1,2-Dichloroethane	10.0	8.926		ppb v/v		89	68 - 135
n-Heptane	10.0	7.240		ppb v/v		72	60 - 142
Trichloroethene	10.0	8.914		ppb v/v		89	73 - 122

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-217121/3
Matrix: Air
Analysis Batch: 217121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl methacrylate	10.0	8.411		ppb v/v		84	73 - 129
1,2-Dichloropropane	10.0	7.672		ppb v/v		77	69 - 128
1,4-Dioxane	10.0	8.844		ppb v/v		88	66 - 129
Bromodichloromethane	10.0	8.998		ppb v/v		90	75 - 127
cis-1,3-Dichloropropene	10.0	8.473		ppb v/v		85	74 - 125
methyl isobutyl ketone	10.0	7.045		ppb v/v		70	58 - 144
Toluene	10.0	9.160		ppb v/v		92	75 - 122
trans-1,3-Dichloropropene	10.0	9.597		ppb v/v		96	74 - 128
1,1,2-Trichloroethane	10.0	8.544		ppb v/v		85	75 - 126
Tetrachloroethene	10.0	10.30		ppb v/v		103	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10.0	7.260		ppb v/v		73	57 - 143
Dibromochloromethane	10.0	9.816		ppb v/v		98	73 - 125
1,2-Dibromoethane	10.0	9.199		ppb v/v		92	78 - 122
Chlorobenzene	10.0	9.293		ppb v/v		93	76 - 119
Ethylbenzene	10.0	9.151		ppb v/v		92	74 - 122
m,p-Xylene	20.0	19.56		ppb v/v		98	76 - 121
Xylene, o-	10.0	9.856		ppb v/v		99	73 - 123
Styrene	10.0	9.957		ppb v/v		100	74 - 125
Bromoform	10.0	9.357		ppb v/v		94	53 - 149
Cumene	10.0	9.942		ppb v/v		99	73 - 123
1,1,2,2-Tetrachloroethane	10.0	8.278		ppb v/v		83	74 - 126
n-Propylbenzene	10.0	9.234		ppb v/v		92	73 - 127
4-Ethyltoluene	10.0	9.909		ppb v/v		99	75 - 129
1,3,5-Trimethylbenzene	10.0	10.10		ppb v/v		101	72 - 126
2-Chlorotoluene	10.0	9.367		ppb v/v		94	74 - 126
tert-Butylbenzene	10.0	10.17		ppb v/v		102	71 - 125
1,2,4-Trimethylbenzene	10.0	9.975		ppb v/v		100	71 - 129
sec-Butylbenzene	10.0	9.774		ppb v/v		98	70 - 128
4-Isopropyltoluene	10.0	9.972		ppb v/v		100	68 - 130
1,3-Dichlorobenzene	10.0	9.629		ppb v/v		96	69 - 131
1,4-Dichlorobenzene	10.0	9.836		ppb v/v		98	67 - 132
Benzyl chloride	10.0	8.481		ppb v/v		85	60 - 136
n-Butylbenzene	10.0	9.187		ppb v/v		92	65 - 137
1,2-Dichlorobenzene	10.0	9.678		ppb v/v		97	68 - 129
1,2,4-Trichlorobenzene	10.0	10.86		ppb v/v		109	50 - 150
Hexachlorobutadiene	10.0	12.19		ppb v/v		122	58 - 130
Naphthalene	10.0	10.24		ppb v/v		102	50 - 150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	49.4	56.75		ug/m3		115	61 - 142
Chlorodifluoromethane	35.4	33.75		ug/m3		95	60 - 147
1,2-Dichlorotetrafluoroethane	69.9	74.14		ug/m3		106	71 - 141
Chloromethane	20.6	18.49		ug/m3		90	56 - 141
n-Butane	23.8	16.49		ug/m3		69	53 - 151
Vinyl chloride	25.6	19.59		ug/m3		77	61 - 135
1,3-Butadiene	22.1	15.83		ug/m3		72	58 - 139
Bromomethane	38.8	30.78		ug/m3		79	72 - 124
Chloroethane	26.4	21.20		ug/m3		80	68 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-217121/3
Matrix: Air
Analysis Batch: 217121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromoethene(Vinyl Bromide)	43.7	49.56		ug/m3		113	75 - 125
Trichlorofluoromethane	56.2	61.95		ug/m3		110	70 - 129
1,1,2-Trichlorotrifluoroethane	76.6	72.68		ug/m3		95	70 - 121
1,1-Dichloroethene	39.6	36.82		ug/m3		93	68 - 120
Acetone	23.7	18.35		ug/m3		77	54 - 154
Isopropyl alcohol	24.6	19.49		ug/m3		79	53 - 142
Carbon disulfide	31.1	25.38		ug/m3		82	71 - 138
3-Chloropropene	31.3	19.52		ug/m3		62	50 - 150
Methylene Chloride	34.7	24.81		ug/m3		71	59 - 137
tert-Butyl alcohol	30.3	24.02		ug/m3		79	66 - 132
Methyl tert-butyl ether	36.0	31.96		ug/m3		89	70 - 127
trans-1,2-Dichloroethene	39.6	30.95		ug/m3		78	69 - 137
n-Hexane	35.2	26.11		ug/m3		74	63 - 138
1,1-Dichloroethane	40.5	29.93		ug/m3		74	66 - 130
Methyl Ethyl Ketone	29.5	24.05		ug/m3		82	72 - 124
cis-1,2-Dichloroethene	39.6	31.99		ug/m3		81	72 - 121
Chloroform	48.8	42.11		ug/m3		86	73 - 124
Tetrahydrofuran	29.5	18.58		ug/m3		63	60 - 149
1,1,1-Trichloroethane	54.6	52.23		ug/m3		96	72 - 127
Cyclohexane	34.4	29.64		ug/m3		86	76 - 124
Carbon tetrachloride	62.9	62.73		ug/m3		100	71 - 133
2,2,4-Trimethylpentane	46.7	36.53		ug/m3		78	68 - 131
Benzene	31.9	26.37		ug/m3		83	73 - 119
1,2-Dichloroethane	40.5	36.13		ug/m3		89	68 - 135
n-Heptane	41.0	29.67		ug/m3		72	60 - 142
Trichloroethene	53.7	47.90		ug/m3		89	73 - 122
Methyl methacrylate	40.9	34.44		ug/m3		84	73 - 129
1,2-Dichloropropane	46.2	35.45		ug/m3		77	69 - 128
1,4-Dioxane	36.0	31.87		ug/m3		88	66 - 129
Bromodichloromethane	67.0	60.29		ug/m3		90	75 - 127
cis-1,3-Dichloropropene	45.4	38.46		ug/m3		85	74 - 125
methyl isobutyl ketone	41.0	28.86		ug/m3		70	58 - 144
Toluene	37.7	34.52		ug/m3		92	75 - 122
trans-1,3-Dichloropropene	45.4	43.56		ug/m3		96	74 - 128
1,1,2-Trichloroethane	54.6	46.62		ug/m3		85	75 - 126
Tetrachloroethene	67.8	69.88		ug/m3		103	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.0	29.75		ug/m3		73	57 - 143
Dibromochloromethane	85.2	83.62		ug/m3		98	73 - 125
1,2-Dibromoethane	76.8	70.68		ug/m3		92	78 - 122
Chlorobenzene	46.0	42.78		ug/m3		93	76 - 119
Ethylbenzene	43.4	39.74		ug/m3		92	74 - 122
m,p-Xylene	86.8	84.93		ug/m3		98	76 - 121
Xylene, o-	43.4	42.80		ug/m3		99	73 - 123
Styrene	42.6	42.42		ug/m3		100	74 - 125
Bromoform	103	96.72		ug/m3		94	53 - 149
Cumene	49.1	48.87		ug/m3		99	73 - 123
1,1,2,2-Tetrachloroethane	68.6	56.83		ug/m3		83	74 - 126
n-Propylbenzene	49.1	45.39		ug/m3		92	73 - 127

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-217121/3
Matrix: Air
Analysis Batch: 217121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Ethyltoluene	49.2	48.72		ug/m3		99	75 - 129
1,3,5-Trimethylbenzene	49.2	49.65		ug/m3		101	72 - 126
2-Chlorotoluene	51.8	48.50		ug/m3		94	74 - 126
tert-Butylbenzene	54.9	55.83		ug/m3		102	71 - 125
1,2,4-Trimethylbenzene	49.2	49.04		ug/m3		100	71 - 129
sec-Butylbenzene	54.9	53.65		ug/m3		98	70 - 128
4-Isopropyltoluene	54.9	54.74		ug/m3		100	68 - 130
1,3-Dichlorobenzene	60.1	57.89		ug/m3		96	69 - 131
1,4-Dichlorobenzene	60.1	59.14		ug/m3		98	67 - 132
Benzyl chloride	51.8	43.91		ug/m3		85	60 - 136
n-Butylbenzene	54.9	50.43		ug/m3		92	65 - 137
1,2-Dichlorobenzene	60.1	58.19		ug/m3		97	68 - 129
1,2,4-Trichlorobenzene	74.2	80.61		ug/m3		109	50 - 150
Hexachlorobutadiene	107	130.0		ug/m3		122	58 - 130
Naphthalene	52.4	53.66		ug/m3		102	50 - 150

Lab Sample ID: MB 200-217201/5
Matrix: Air
Analysis Batch: 217201

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.22	ppb v/v			06/11/25 10:39	1
Chlorodifluoromethane	0.50	U	0.50	0.36	ppb v/v			06/11/25 10:39	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.076	ppb v/v			06/11/25 10:39	1
Chloromethane	0.50	U	0.50	0.33	ppb v/v			06/11/25 10:39	1
n-Butane	0.50	U	0.50	0.31	ppb v/v			06/11/25 10:39	1
Vinyl chloride	0.078	U	0.078	0.029	ppb v/v			06/11/25 10:39	1
1,3-Butadiene	0.20	U	0.20	0.040	ppb v/v			06/11/25 10:39	1
Bromomethane	0.20	U	0.20	0.062	ppb v/v			06/11/25 10:39	1
Chloroethane	0.50	U	0.50	0.16	ppb v/v			06/11/25 10:39	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.048	ppb v/v			06/11/25 10:39	1
Trichlorofluoromethane	0.20	U	0.20	0.077	ppb v/v			06/11/25 10:39	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.057	ppb v/v			06/11/25 10:39	1
1,1-Dichloroethene	0.035	U	0.035	0.035	ppb v/v			06/11/25 10:39	1
Acetone	5.00	U	5.00	1.90	ppb v/v			06/11/25 10:39	1
Isopropyl alcohol	5.00	U	5.00	2.20	ppb v/v			06/11/25 10:39	1
Carbon disulfide	0.50	U	0.50	0.18	ppb v/v			06/11/25 10:39	1
3-Chloropropene	0.50	U	0.50	0.081	ppb v/v			06/11/25 10:39	1
Methylene Chloride	0.50	U	0.50	0.19	ppb v/v			06/11/25 10:39	1
tert-Butyl alcohol	5.00	U	5.00	1.60	ppb v/v			06/11/25 10:39	1
Methyl tert-butyl ether	0.20	U	0.20	0.066	ppb v/v			06/11/25 10:39	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.020	ppb v/v			06/11/25 10:39	1
n-Hexane	0.50	U	0.50	0.16	ppb v/v			06/11/25 10:39	1
1,1-Dichloroethane	0.20	U	0.20	0.018	ppb v/v			06/11/25 10:39	1
Methyl Ethyl Ketone	0.50	U	0.50	0.14	ppb v/v			06/11/25 10:39	1
cis-1,2-Dichloroethene	0.50	U	0.50	0.032	ppb v/v			06/11/25 10:39	1
1,2-Dichloroethene, Total	0.40	U	0.40	0.020	ppb v/v			06/11/25 10:39	1
Chloroform	0.20	U	0.20	0.059	ppb v/v			06/11/25 10:39	1
Tetrahydrofuran	5.00	U	5.00	1.70	ppb v/v			06/11/25 10:39	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217201/5
Matrix: Air
Analysis Batch: 217201

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.073	ppb v/v			06/11/25 10:39	1
Cyclohexane	0.20	U	0.20	0.052	ppb v/v			06/11/25 10:39	1
Carbon tetrachloride	0.035	U	0.035	0.024	ppb v/v			06/11/25 10:39	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.071	ppb v/v			06/11/25 10:39	1
Benzene	0.20	U	0.20	0.051	ppb v/v			06/11/25 10:39	1
1,2-Dichloroethane	0.20	U	0.20	0.074	ppb v/v			06/11/25 10:39	1
n-Heptane	0.20	U	0.20	0.086	ppb v/v			06/11/25 10:39	1
Trichloroethene	0.035	U	0.035	0.029	ppb v/v			06/11/25 10:39	1
Methyl methacrylate	0.50	U	0.50	0.13	ppb v/v			06/11/25 10:39	1
1,2-Dichloropropane	0.20	U	0.20	0.055	ppb v/v			06/11/25 10:39	1
1,4-Dioxane	5.00	U	5.00	0.19	ppb v/v			06/11/25 10:39	1
Bromodichloromethane	0.20	U	0.20	0.058	ppb v/v			06/11/25 10:39	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.056	ppb v/v			06/11/25 10:39	1
methyl isobutyl ketone	0.50	U	0.50	0.19	ppb v/v			06/11/25 10:39	1
Toluene	0.20	U	0.20	0.054	ppb v/v			06/11/25 10:39	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.062	ppb v/v			06/11/25 10:39	1
1,1,2-Trichloroethane	0.20	U	0.20	0.053	ppb v/v			06/11/25 10:39	1
Tetrachloroethene	0.20	U	0.20	0.036	ppb v/v			06/11/25 10:39	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.20	ppb v/v			06/11/25 10:39	1
Dibromochloromethane	0.20	U	0.20	0.053	ppb v/v			06/11/25 10:39	1
1,2-Dibromoethane	0.20	U	0.20	0.045	ppb v/v			06/11/25 10:39	1
Chlorobenzene	0.20	U	0.20	0.047	ppb v/v			06/11/25 10:39	1
Ethylbenzene	0.20	U	0.20	0.051	ppb v/v			06/11/25 10:39	1
m,p-Xylene	0.50	U	0.50	0.014	ppb v/v			06/11/25 10:39	1
Xylene, o-	0.20	U	0.20	0.069	ppb v/v			06/11/25 10:39	1
Xylene (total)	0.70	U	0.70	0.014	ppb v/v			06/11/25 10:39	1
Styrene	0.20	U	0.20	0.056	ppb v/v			06/11/25 10:39	1
Bromoform	0.20	U	0.20	0.058	ppb v/v			06/11/25 10:39	1
Cumene	0.20	U	0.20	0.072	ppb v/v			06/11/25 10:39	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.061	ppb v/v			06/11/25 10:39	1
n-Propylbenzene	0.20	U	0.20	0.062	ppb v/v			06/11/25 10:39	1
4-Ethyltoluene	0.20	U	0.20	0.068	ppb v/v			06/11/25 10:39	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.068	ppb v/v			06/11/25 10:39	1
2-Chlorotoluene	0.20	U	0.20	0.058	ppb v/v			06/11/25 10:39	1
tert-Butylbenzene	0.20	U	0.20	0.070	ppb v/v			06/11/25 10:39	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.082	ppb v/v			06/11/25 10:39	1
sec-Butylbenzene	0.20	U	0.20	0.072	ppb v/v			06/11/25 10:39	1
4-Isopropyltoluene	0.20	U	0.20	0.078	ppb v/v			06/11/25 10:39	1
1,3-Dichlorobenzene	0.20	U	0.20	0.063	ppb v/v			06/11/25 10:39	1
1,4-Dichlorobenzene	0.20	U	0.20	0.070	ppb v/v			06/11/25 10:39	1
Benzyl chloride	0.20	U	0.20	0.074	ppb v/v			06/11/25 10:39	1
n-Butylbenzene	0.20	U	0.20	0.070	ppb v/v			06/11/25 10:39	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			06/11/25 10:39	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.30	ppb v/v			06/11/25 10:39	1
Hexachlorobutadiene	0.20	U	0.20	0.078	ppb v/v			06/11/25 10:39	1
Naphthalene	0.50	U	0.50	0.11	ppb v/v			06/11/25 10:39	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.47	U	2.47	1.09	ug/m3			06/11/25 10:39	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217201/5
Matrix: Air
Analysis Batch: 217201

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodifluoromethane	1.77	U	1.77	1.27	ug/m3			06/11/25 10:39	1
1,2-Dichlorotetrafluoroethane	1.40	U	1.40	0.53	ug/m3			06/11/25 10:39	1
Chloromethane	1.03	U	1.03	0.68	ug/m3			06/11/25 10:39	1
n-Butane	1.19	U	1.19	0.74	ug/m3			06/11/25 10:39	1
Vinyl chloride	0.20	U	0.20	0.074	ug/m3			06/11/25 10:39	1
1,3-Butadiene	0.44	U	0.44	0.088	ug/m3			06/11/25 10:39	1
Bromomethane	0.78	U	0.78	0.24	ug/m3			06/11/25 10:39	1
Chloroethane	1.32	U	1.32	0.42	ug/m3			06/11/25 10:39	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.21	ug/m3			06/11/25 10:39	1
Trichlorofluoromethane	1.12	U	1.12	0.43	ug/m3			06/11/25 10:39	1
1,1,2-Trichlorotrifluoroethane	1.53	U	1.53	0.44	ug/m3			06/11/25 10:39	1
1,1-Dichloroethene	0.14	U	0.14	0.14	ug/m3			06/11/25 10:39	1
Acetone	11.9	U	11.9	4.51	ug/m3			06/11/25 10:39	1
Isopropyl alcohol	12.3	U	12.3	5.41	ug/m3			06/11/25 10:39	1
Carbon disulfide	1.56	U	1.56	0.56	ug/m3			06/11/25 10:39	1
3-Chloropropene	1.57	U	1.57	0.25	ug/m3			06/11/25 10:39	1
Methylene Chloride	1.74	U	1.74	0.66	ug/m3			06/11/25 10:39	1
tert-Butyl alcohol	15.2	U	15.2	4.85	ug/m3			06/11/25 10:39	1
Methyl tert-butyl ether	0.72	U	0.72	0.24	ug/m3			06/11/25 10:39	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.079	ug/m3			06/11/25 10:39	1
n-Hexane	1.76	U	1.76	0.56	ug/m3			06/11/25 10:39	1
1,1-Dichloroethane	0.81	U	0.81	0.073	ug/m3			06/11/25 10:39	1
Methyl Ethyl Ketone	1.47	U	1.47	0.41	ug/m3			06/11/25 10:39	1
cis-1,2-Dichloroethene	2.00	U	2.00	0.13	ug/m3			06/11/25 10:39	1
1,2-Dichloroethene, Total	1.59	U	1.59	0.079	ug/m3			06/11/25 10:39	1
Chloroform	0.98	U	0.98	0.29	ug/m3			06/11/25 10:39	1
Tetrahydrofuran	14.7	U	14.7	5.01	ug/m3			06/11/25 10:39	1
1,1,1-Trichloroethane	1.09	U	1.09	0.40	ug/m3			06/11/25 10:39	1
Cyclohexane	0.69	U	0.69	0.18	ug/m3			06/11/25 10:39	1
Carbon tetrachloride	0.22	U	0.22	0.15	ug/m3			06/11/25 10:39	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.33	ug/m3			06/11/25 10:39	1
Benzene	0.64	U	0.64	0.16	ug/m3			06/11/25 10:39	1
1,2-Dichloroethane	0.81	U	0.81	0.30	ug/m3			06/11/25 10:39	1
n-Heptane	0.82	U	0.82	0.35	ug/m3			06/11/25 10:39	1
Trichloroethene	0.19	U	0.19	0.16	ug/m3			06/11/25 10:39	1
Methyl methacrylate	2.05	U	2.05	0.53	ug/m3			06/11/25 10:39	1
1,2-Dichloropropane	0.92	U	0.92	0.25	ug/m3			06/11/25 10:39	1
1,4-Dioxane	18.0	U	18.0	0.68	ug/m3			06/11/25 10:39	1
Bromodichloromethane	1.34	U	1.34	0.39	ug/m3			06/11/25 10:39	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			06/11/25 10:39	1
methyl isobutyl ketone	2.05	U	2.05	0.78	ug/m3			06/11/25 10:39	1
Toluene	0.75	U	0.75	0.20	ug/m3			06/11/25 10:39	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.28	ug/m3			06/11/25 10:39	1
1,1,2-Trichloroethane	1.09	U	1.09	0.29	ug/m3			06/11/25 10:39	1
Tetrachloroethene	1.36	U	1.36	0.24	ug/m3			06/11/25 10:39	1
Methyl Butyl Ketone (2-Hexanone)	2.05	U	2.05	0.82	ug/m3			06/11/25 10:39	1
Dibromochloromethane	1.70	U	1.70	0.45	ug/m3			06/11/25 10:39	1
1,2-Dibromoethane	1.54	U	1.54	0.35	ug/m3			06/11/25 10:39	1
Chlorobenzene	0.92	U	0.92	0.22	ug/m3			06/11/25 10:39	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-217201/5
Matrix: Air
Analysis Batch: 217201

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.87	U	0.87	0.22	ug/m3			06/11/25 10:39	1
m,p-Xylene	2.17	U	2.17	0.061	ug/m3			06/11/25 10:39	1
Xylene, o-	0.87	U	0.87	0.30	ug/m3			06/11/25 10:39	1
Xylene (total)	3.04	U	3.04	0.061	ug/m3			06/11/25 10:39	1
Styrene	0.85	U	0.85	0.24	ug/m3			06/11/25 10:39	1
Bromoform	2.07	U	2.07	0.60	ug/m3			06/11/25 10:39	1
Cumene	0.98	U	0.98	0.35	ug/m3			06/11/25 10:39	1
1,1,2,2-Tetrachloroethane	1.37	U	1.37	0.42	ug/m3			06/11/25 10:39	1
n-Propylbenzene	0.98	U	0.98	0.30	ug/m3			06/11/25 10:39	1
4-Ethyltoluene	0.98	U	0.98	0.33	ug/m3			06/11/25 10:39	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.33	ug/m3			06/11/25 10:39	1
2-Chlorotoluene	1.04	U	1.04	0.30	ug/m3			06/11/25 10:39	1
tert-Butylbenzene	1.10	U	1.10	0.38	ug/m3			06/11/25 10:39	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.40	ug/m3			06/11/25 10:39	1
sec-Butylbenzene	1.10	U	1.10	0.40	ug/m3			06/11/25 10:39	1
4-Isopropyltoluene	1.10	U	1.10	0.43	ug/m3			06/11/25 10:39	1
1,3-Dichlorobenzene	1.20	U	1.20	0.38	ug/m3			06/11/25 10:39	1
1,4-Dichlorobenzene	1.20	U	1.20	0.42	ug/m3			06/11/25 10:39	1
Benzyl chloride	1.04	U	1.04	0.38	ug/m3			06/11/25 10:39	1
n-Butylbenzene	1.10	U	1.10	0.38	ug/m3			06/11/25 10:39	1
1,2-Dichlorobenzene	1.20	U	1.20	0.40	ug/m3			06/11/25 10:39	1
1,2,4-Trichlorobenzene	3.71	U	3.71	2.23	ug/m3			06/11/25 10:39	1
Hexachlorobutadiene	2.13	U	2.13	0.83	ug/m3			06/11/25 10:39	1
Naphthalene	2.62	U	2.62	0.58	ug/m3			06/11/25 10:39	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ppb v/v*			*N/A*		*06/11/25 10:39*	*1*

Lab Sample ID: LCS 200-217201/3
Matrix: Air
Analysis Batch: 217201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10.0	9.293		ppb v/v		93	61 - 142
Chlorodifluoromethane	10.0	9.213		ppb v/v		92	60 - 147
1,2-Dichlorotetrafluoroethane	10.0	9.282		ppb v/v		93	71 - 141
Chloromethane	10.0	9.311		ppb v/v		93	56 - 141
n-Butane	10.0	9.424		ppb v/v		94	53 - 151
Vinyl chloride	10.0	9.445		ppb v/v		94	61 - 135
1,3-Butadiene	10.0	8.855		ppb v/v		89	58 - 139
Bromomethane	10.0	9.471		ppb v/v		95	72 - 124
Chloroethane	10.0	9.575		ppb v/v		96	68 - 130
Bromoethene(Vinyl Bromide)	10.0	9.879		ppb v/v		99	75 - 125
Trichlorofluoromethane	10.0	9.453		ppb v/v		95	70 - 129
1,1,2-Trichlorotrifluoroethane	10.0	9.228		ppb v/v		92	70 - 121
1,1-Dichloroethene	10.0	9.429		ppb v/v		94	68 - 120
Acetone	10.0	9.591		ppb v/v		96	54 - 154
Isopropyl alcohol	10.0	10.46		ppb v/v		105	53 - 142

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-217201/3
Matrix: Air
Analysis Batch: 217201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon disulfide	10.0	9.517		ppb v/v		95	71 - 138
3-Chloropropene	10.0	9.772		ppb v/v		98	50 - 150
Methylene Chloride	10.0	9.391		ppb v/v		94	59 - 137
tert-Butyl alcohol	10.0	9.545		ppb v/v		95	66 - 132
Methyl tert-butyl ether	10.0	9.738		ppb v/v		97	70 - 127
trans-1,2-Dichloroethene	10.0	9.866		ppb v/v		99	69 - 137
n-Hexane	10.0	9.689		ppb v/v		97	63 - 138
1,1-Dichloroethane	10.0	9.453		ppb v/v		95	66 - 130
Methyl Ethyl Ketone	10.0	9.650		ppb v/v		97	72 - 124
cis-1,2-Dichloroethene	10.0	9.025		ppb v/v		90	72 - 121
Chloroform	10.0	9.457		ppb v/v		95	73 - 124
Tetrahydrofuran	10.0	9.452		ppb v/v		95	60 - 149
1,1,1-Trichloroethane	10.0	9.427		ppb v/v		94	72 - 127
Cyclohexane	10.0	9.600		ppb v/v		96	76 - 124
Carbon tetrachloride	10.0	9.626		ppb v/v		96	71 - 133
2,2,4-Trimethylpentane	10.0	9.906		ppb v/v		99	68 - 131
Benzene	10.0	9.622		ppb v/v		96	73 - 119
1,2-Dichloroethane	10.0	9.459		ppb v/v		95	68 - 135
n-Heptane	10.0	10.03		ppb v/v		100	60 - 142
Trichloroethene	10.0	9.570		ppb v/v		96	73 - 122
Methyl methacrylate	10.0	9.848		ppb v/v		98	73 - 129
1,2-Dichloropropane	10.0	9.776		ppb v/v		98	69 - 128
1,4-Dioxane	10.0	9.807		ppb v/v		98	66 - 129
Bromodichloromethane	10.0	9.629		ppb v/v		96	75 - 127
cis-1,3-Dichloropropene	10.0	9.664		ppb v/v		97	74 - 125
methyl isobutyl ketone	10.0	10.06		ppb v/v		101	58 - 144
Toluene	10.0	9.654		ppb v/v		97	75 - 122
trans-1,3-Dichloropropene	10.0	10.69		ppb v/v		107	74 - 128
1,1,2-Trichloroethane	10.0	9.757		ppb v/v		98	75 - 126
Tetrachloroethene	10.0	9.246		ppb v/v		92	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10.0	10.20		ppb v/v		102	57 - 143
Dibromochloromethane	10.0	9.447		ppb v/v		94	73 - 125
1,2-Dibromoethane	10.0	9.719		ppb v/v		97	78 - 122
Chlorobenzene	10.0	9.441		ppb v/v		94	76 - 119
Ethylbenzene	10.0	9.697		ppb v/v		97	74 - 122
m,p-Xylene	20.0	19.35		ppb v/v		97	76 - 121
Xylene, o-	10.0	9.767		ppb v/v		98	73 - 123
Styrene	10.0	10.02		ppb v/v		100	74 - 125
Bromoform	10.0	9.423		ppb v/v		94	53 - 149
Cumene	10.0	9.823		ppb v/v		98	73 - 123
1,1,2,2-Tetrachloroethane	10.0	9.944		ppb v/v		99	74 - 126
n-Propylbenzene	10.0	9.951		ppb v/v		100	73 - 127
4-Ethyltoluene	10.0	10.03		ppb v/v		100	75 - 129
1,3,5-Trimethylbenzene	10.0	9.827		ppb v/v		98	72 - 126
2-Chlorotoluene	10.0	9.839		ppb v/v		98	74 - 126
tert-Butylbenzene	10.0	9.632		ppb v/v		96	71 - 125
1,2,4-Trimethylbenzene	10.0	9.843		ppb v/v		98	71 - 129
sec-Butylbenzene	10.0	9.865		ppb v/v		99	70 - 128

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-217201/3
Matrix: Air
Analysis Batch: 217201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Isopropyltoluene	10.0	9.593		ppb v/v		96	68 - 130
1,3-Dichlorobenzene	10.0	9.517		ppb v/v		95	69 - 131
1,4-Dichlorobenzene	10.0	9.656		ppb v/v		97	67 - 132
Benzyl chloride	10.0	10.38		ppb v/v		104	60 - 136
n-Butylbenzene	10.0	9.843		ppb v/v		98	65 - 137
1,2-Dichlorobenzene	10.0	9.379		ppb v/v		94	68 - 129
1,2,4-Trichlorobenzene	10.0	10.53		ppb v/v		105	50 - 150
Hexachlorobutadiene	10.0	9.560		ppb v/v		96	58 - 130
Naphthalene	10.0	11.37		ppb v/v		114	50 - 150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	49.4	45.95		ug/m3		93	61 - 142
Chlorodifluoromethane	35.4	32.58		ug/m3		92	60 - 147
1,2-Dichlorotetrafluoroethane	69.9	64.89		ug/m3		93	71 - 141
Chloromethane	20.6	19.23		ug/m3		93	56 - 141
n-Butane	23.8	22.40		ug/m3		94	53 - 151
Vinyl chloride	25.6	24.14		ug/m3		94	61 - 135
1,3-Butadiene	22.1	19.59		ug/m3		89	58 - 139
Bromomethane	38.8	36.78		ug/m3		95	72 - 124
Chloroethane	26.4	25.27		ug/m3		96	68 - 130
Bromoethene(Vinyl Bromide)	43.7	43.22		ug/m3		99	75 - 125
Trichlorofluoromethane	56.2	53.11		ug/m3		95	70 - 129
1,1,2-Trichlorotrifluoroethane	76.6	70.72		ug/m3		92	70 - 121
1,1-Dichloroethene	39.6	37.38		ug/m3		94	68 - 120
Acetone	23.7	22.78		ug/m3		96	54 - 154
Isopropyl alcohol	24.6	25.70		ug/m3		105	53 - 142
Carbon disulfide	31.1	29.64		ug/m3		95	71 - 138
3-Chloropropene	31.3	30.59		ug/m3		98	50 - 150
Methylene Chloride	34.7	32.62		ug/m3		94	59 - 137
tert-Butyl alcohol	30.3	28.93		ug/m3		95	66 - 132
Methyl tert-butyl ether	36.0	35.11		ug/m3		97	70 - 127
trans-1,2-Dichloroethene	39.6	39.12		ug/m3		99	69 - 137
n-Hexane	35.2	34.15		ug/m3		97	63 - 138
1,1-Dichloroethane	40.5	38.26		ug/m3		95	66 - 130
Methyl Ethyl Ketone	29.5	28.46		ug/m3		97	72 - 124
cis-1,2-Dichloroethene	39.6	35.78		ug/m3		90	72 - 121
Chloroform	48.8	46.17		ug/m3		95	73 - 124
Tetrahydrofuran	29.5	27.88		ug/m3		95	60 - 149
1,1,1-Trichloroethane	54.6	51.44		ug/m3		94	72 - 127
Cyclohexane	34.4	33.04		ug/m3		96	76 - 124
Carbon tetrachloride	62.9	60.56		ug/m3		96	71 - 133
2,2,4-Trimethylpentane	46.7	46.28		ug/m3		99	68 - 131
Benzene	31.9	30.74		ug/m3		96	73 - 119
1,2-Dichloroethane	40.5	38.29		ug/m3		95	68 - 135
n-Heptane	41.0	41.10		ug/m3		100	60 - 142
Trichloroethene	53.7	51.43		ug/m3		96	73 - 122
Methyl methacrylate	40.9	40.33		ug/m3		98	73 - 129
1,2-Dichloropropane	46.2	45.18		ug/m3		98	69 - 128
1,4-Dioxane	36.0	35.34		ug/m3		98	66 - 129

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-217201/3
Matrix: Air
Analysis Batch: 217201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromodichloromethane	67.0	64.52		ug/m3		96	75 - 127
cis-1,3-Dichloropropene	45.4	43.86		ug/m3		97	74 - 125
methyl isobutyl ketone	41.0	41.21		ug/m3		101	58 - 144
Toluene	37.7	36.38		ug/m3		97	75 - 122
trans-1,3-Dichloropropene	45.4	48.54		ug/m3		107	74 - 128
1,1,2-Trichloroethane	54.6	53.24		ug/m3		98	75 - 126
Tetrachloroethene	67.8	62.71		ug/m3		92	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.0	41.82		ug/m3		102	57 - 143
Dibromochloromethane	85.2	80.48		ug/m3		94	73 - 125
1,2-Dibromoethane	76.8	74.68		ug/m3		97	78 - 122
Chlorobenzene	46.0	43.46		ug/m3		94	76 - 119
Ethylbenzene	43.4	42.11		ug/m3		97	74 - 122
m,p-Xylene	86.8	84.00		ug/m3		97	76 - 121
Xylene, o-	43.4	42.41		ug/m3		98	73 - 123
Styrene	42.6	42.69		ug/m3		100	74 - 125
Bromoform	103	97.41		ug/m3		94	53 - 149
Cumene	49.1	48.29		ug/m3		98	73 - 123
1,1,2,2-Tetrachloroethane	68.6	68.27		ug/m3		99	74 - 126
n-Propylbenzene	49.1	48.92		ug/m3		100	73 - 127
4-Ethyltoluene	49.2	49.32		ug/m3		100	75 - 129
1,3,5-Trimethylbenzene	49.2	48.31		ug/m3		98	72 - 126
2-Chlorotoluene	51.8	50.94		ug/m3		98	74 - 126
tert-Butylbenzene	54.9	52.88		ug/m3		96	71 - 125
1,2,4-Trimethylbenzene	49.2	48.39		ug/m3		98	71 - 129
sec-Butylbenzene	54.9	54.16		ug/m3		99	70 - 128
4-Isopropyltoluene	54.9	52.66		ug/m3		96	68 - 130
1,3-Dichlorobenzene	60.1	57.22		ug/m3		95	69 - 131
1,4-Dichlorobenzene	60.1	58.05		ug/m3		97	67 - 132
Benzyl chloride	51.8	53.72		ug/m3		104	60 - 136
n-Butylbenzene	54.9	54.03		ug/m3		98	65 - 137
1,2-Dichlorobenzene	60.1	56.39		ug/m3		94	68 - 129
1,2,4-Trichlorobenzene	74.2	78.11		ug/m3		105	50 - 150
Hexachlorobutadiene	107	102.0		ug/m3		96	58 - 130
Naphthalene	52.4	59.62		ug/m3		114	50 - 150

Air - GC/MS VOA

Analysis Batch: 217121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-78310-6	IA-1	Total/NA	Air	TO-15	
MB 200-217121/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-217121/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 217201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-78310-1	SV-1	Total/NA	Air	TO-15	
200-78310-1 - DL	SV-1	Total/NA	Air	TO-15	
200-78310-2	SV-2	Total/NA	Air	TO-15	
200-78310-3	SV-3	Total/NA	Air	TO-15	
200-78310-3 - DL	SV-3	Total/NA	Air	TO-15	
200-78310-4	SV-4	Total/NA	Air	TO-15	
200-78310-4 - DL	SV-4	Total/NA	Air	TO-15	
200-78310-5	SV-5	Total/NA	Air	TO-15	
200-78310-5 - DL	SV-5	Total/NA	Air	TO-15	
MB 200-217201/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-217201/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Client Sample ID: SV-1
Date Collected: 06/06/25 09:53
Date Received: 06/10/25 10:35

Lab Sample ID: 200-78310-1
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	217201	A1B	EET BUR	06/11/25 12:22
Total/NA	Analysis	TO-15	DL	4	217201	A1B	EET BUR	06/11/25 13:14

Client Sample ID: SV-2
Date Collected: 06/06/25 09:36
Date Received: 06/10/25 10:35

Lab Sample ID: 200-78310-2
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	217201	A1B	EET BUR	06/11/25 11:31

Client Sample ID: SV-3
Date Collected: 06/06/25 10:18
Date Received: 06/10/25 10:35

Lab Sample ID: 200-78310-3
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	217201	A1B	EET BUR	06/11/25 14:05
Total/NA	Analysis	TO-15	DL	10	217201	A1B	EET BUR	06/11/25 14:56

Client Sample ID: SV-4
Date Collected: 06/06/25 09:54
Date Received: 06/10/25 10:35

Lab Sample ID: 200-78310-4
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		25.1	217201	A1B	EET BUR	06/11/25 15:48
Total/NA	Analysis	TO-15	DL	128	217201	A1B	EET BUR	06/11/25 16:39

Client Sample ID: SV-5
Date Collected: 06/06/25 09:57
Date Received: 06/10/25 10:35

Lab Sample ID: 200-78310-5
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	217201	A1B	EET BUR	06/11/25 17:30
Total/NA	Analysis	TO-15	DL	4	217201	A1B	EET BUR	06/11/25 18:22

Client Sample ID: IA-1
Date Collected: 06/06/25 10:16
Date Received: 06/10/25 10:35

Lab Sample ID: 200-78310-6
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	217121	A1B	EET BUR	06/11/25 02:00

Laboratory References:
EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Laboratory: Eurofins Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	1,2-Dichloroethene, Total
TO-15		Air	4-Ethyltoluene
TO-15		Air	4-Isopropyltoluene
TO-15		Air	Chlorodifluoromethane
TO-15		Air	Methyl Butyl Ketone (2-Hexanone)
TO-15		Air	n-Butane
TO-15		Air	n-Butylbenzene
TO-15		Air	n-Propylbenzene
TO-15		Air	sec-Butylbenzene
TO-15		Air	tert-Butylbenzene
TO-15		Air	Tetrahydrofuran

Method Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job ID: 200-78310-1
SDG: 200-78310-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-78310-1	SV-1	Air	06/06/25 09:53	06/10/25 10:35	Air Canister (6-Liter) #3658
200-78310-2	SV-2	Air	06/06/25 09:36	06/10/25 10:35	Air Canister (6-Liter) #3657
200-78310-3	SV-3	Air	06/06/25 10:18	06/10/25 10:35	Air Canister (6-Liter) #2861
200-78310-4	SV-4	Air	06/06/25 09:54	06/10/25 10:35	Air Canister (6-Liter) #3074
200-78310-5	SV-5	Air	06/06/25 09:57	06/10/25 10:35	Air Canister (6-Liter) #4921
200-78310-6	IA-1	Air	06/06/25 10:16	06/10/25 10:35	Air Canister (6-Liter) #3631

Eurofins Burlington
Phone: 1-802-660-1990
530 Community Drive, Suite 11, South Burlington, VT 05403

NYC 22

Canister Samples Chain of Custody Record

Client Contact Information	**Client Project Manager:** W. Fitchett	**Samples Collected By:** William J. Fitchett	COC No:
Company Name: GEI Consultants	**Phone:** 631-905-7636		1 of 1 COCs
Address: 1000 New York Ave, Ste 13	**Email:** wfitchett@geiconsultants.com		TALS Project #:
City/State/Zip: Huntington Station NY 11746			**For Lab Use Only:**
Phone: 631-760-9300	**Site Contact:** W. Fitchett		Walk-in Client:
FAX:	**Tel/Fax**		Lab Sampling:
Project Name: 28-12 41st Ave	**Analysis Turnaround Time**		Job / SDG No.:
Site/Location: Queens, NY	Standard (Specific): ✓		See below for Add'l Items
P O # 2502602	Rush (Specifiy):		

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	**EXPECT HIGH LEVELS?	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab/Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes: **Notes about expected high concentrations
SV-1	6/6/25	758	6/6/25	953	-30	-7	3840	3658		X													
SV-2	6/6/25	800	6/6/25	936	-27.5	-7	4528	3657		X													
SV-3	6/6/25	802	6/6/25	1018	-28	-5	4510	2861		X													
SV-4	6/6/25	805	6/6/25	954	-27	-6	4768	3074		X													
SV-5	6/6/25	803	6/6/25	957	-30	-8	4941	4921		X													
IA-1	6/6/25	810	6/6/25	1016	-28	-7	4058	3631		X													

200-78310 Chain of Custody

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eurofins Environment Testing

Temperature (Fahrenheit)			
Start	Interior	Ambient	
Stop			

Pressure (inches of Hg)			
Start	Interior	Ambient	
Stop			

Please include Nick Recchia on results
nrecchia@geiconsultants.com

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	**Date / Time:**	**Samples Received by:**
Samples Relinquished by:	**Date / Time:**	**Received by:** 6/6/25
Relinquished by:	**Date / Time:**	**Received by:** 06-8-25 540

Lab Use Only: **Shipper Name:** **Opened by:** **Condition:**

ETA BUN 6/10/25 1035

Issued By: YE6O
80870 Rev. 1.3

TestAmerica Laboratories, Inc. (d/b/a Eurofins Burlington) assumes no liability with respect to the collection and shipment of these samples.

6/10/25



eurofins | Environment Testing TestAmerica

Part # 159469-434 MTW EXP 07/25

ORIGIN ID:LDJA (908) 361-5236
KENNETH RIVERA

777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 09JUN25
ACTWGT: 12.95 LB
CAD: 0619092/CAFE3908

BILL RECIPIENT

TO SAMPLE RECEIVING
EUROFINS BURLINGTON
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 655-1203

INV:
PO:
REF:
DEPT:

FedEx Express

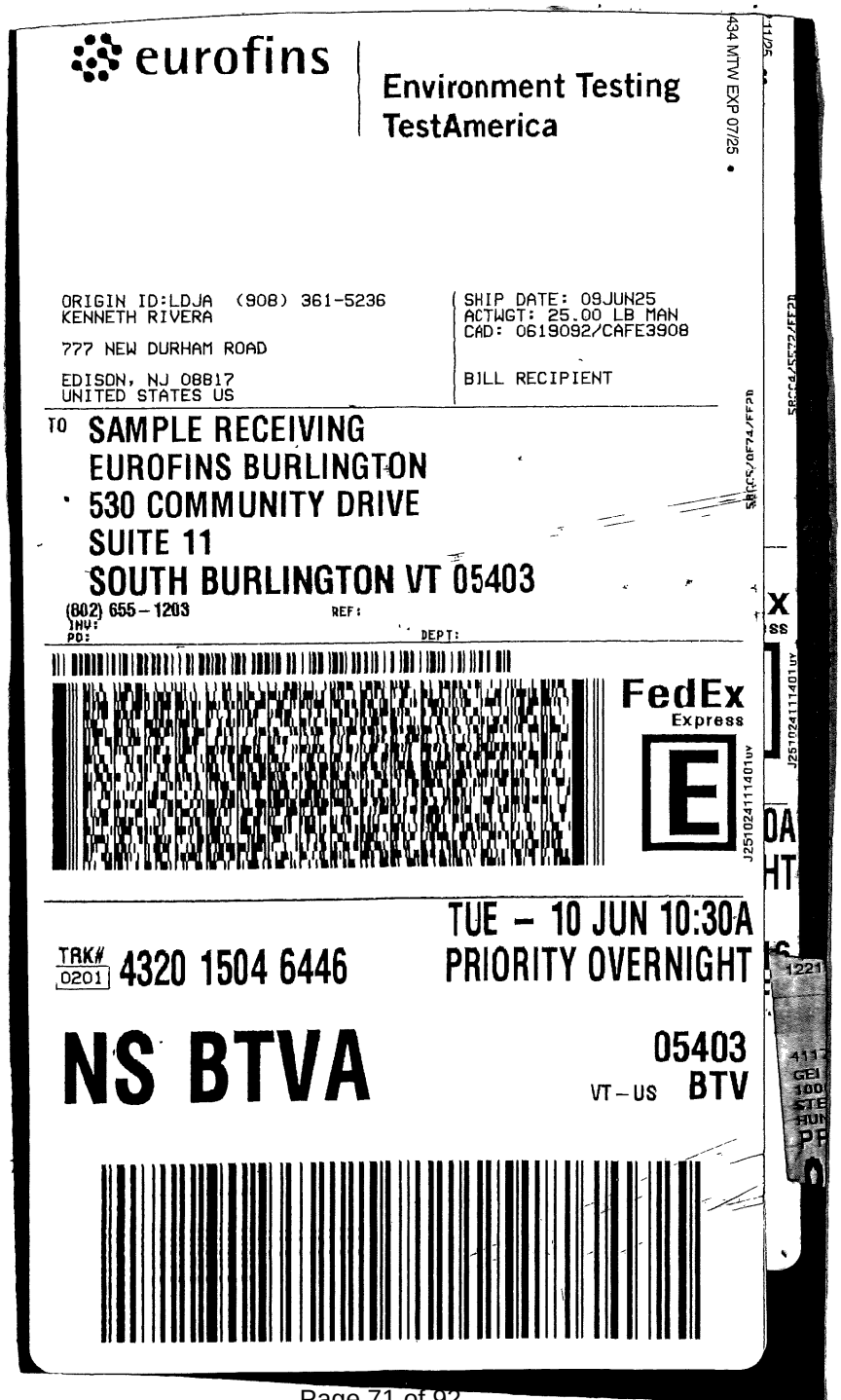
J251024111401uv

TRK# 0201 4320 1504 6435

TUE - 10 JUN 10:30A
PRIORITY OVERNIGHT

NS BTVA

05403
VT-US BTV



eurofins | Environment Testing TestAmerica

434 MTW EXP 07/25

ORIGIN ID:LDJA (908) 361-5236
KENNETH RIVERA

777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 09JUN25
ACTWGT: 25.00 LB MAN
CAD: 0619092/CAFE3908

BILL RECIPIENT

TO SAMPLE RECEIVING
EUROFINS BURLINGTON
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 655-1203

INV:
PO:

REF:

DEPT:

FedEx Express

J251024111401uv

TUE - 10 JUN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 4320 1504 6446

NS BTVA

05403
VT-US BTV

Login Sample Receipt Checklist

Client: GEI Consultants Inc

Job Number: 200-78310-1
SDG Number: 200-78310-1

Login Number: 78310
List Number: 1
Creator: Khudaier, Zahraa

List Source: Eurofins Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Bottom Rack	10	25	5/9/2025	1030	22	22	SML III	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	3631	0	.10	.10	-29.2	GA01	5/13/25	1002	##3	21.0	GA01	5/30/25	1427	##3	22.0
2	3074		0	0		GA01					GA01				
3	34002146			0		GA01					GA01				
4	3657			0		GA01					GA01				
5	4921			0		GA01					GA01				
6	34000032	0	0	0	-29.2	GA01	6/4/25	1508	##3	22.0	GA01	6/4/25	1508	##3	22.0
7	3421	0	0	0	-29.2	GA01	5/13/25	1002	##3	21.0	GA01	5/30/25	1427	##3	22.0
8	3089			0		GA01					GA01				
9	6660			0		GA01					GA01				
10	4793			0		GA01					GA01				
11	5643			0		GA01					GA01				
12	2586					GA01					GA01				

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☒ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Revi
34000032	5/14/25	65125	ABI		XXXXXXXX				5/14/25	JT

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

Form ID: FAI023:12
Revision Date: 12/18/2018

TestAmerica Burlington

200-77978-A-6
34000032
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/9/2025 12:00 AM
1999814

Loc: 200
77978
#6 A
Air-Storag

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6/12/2025

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Top Rack	10	25	5/13/2025	1130	21	21	SML III	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	3658	0	0	0	-28.8	GA01	5/14/25	1615	KR3	22.0	GA01	5/31/25	1505	KR3	22.0
2	3654			0		GA01					GA01				
3	9213			0		GA01					GA01				
4	5081			0		GA01					GA01				
5	2861			0		GA01					GA01				
6	4459			0		GA01					GA01				
7	3390	0	0	0	-29.7	GA01	6/4/25	1508	KR3	22.0	GA01	6/4/25	1508	KR3	22.0
8	5983	0	0	0	-28.8	GA01	5/14/25	1615	KR3	22.0	GA01	5/31/25	1505	KR3	22.0
9	3084			0		GA01					GA01				
10	4070			0		GA01					GA01				
11	3537			0		GA01					GA01				
12	4289			0		GA01					GA01				

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☒ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Revi
3390	5/19/25	65160	KRJ		XXXXX				5/19/25	JPB

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

Form ID: FAI023:12
Revision Date: 12/18/2018

TestAmerica Burlington

200-78004-A-7
3390
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/13/2025 12:00 AM
200-2001065

Loc: 200
78004
#7 A
Air-Storag

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6/12/2025

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-77978-1

SDG No.:

Client Sample ID: 34000032 Lab Sample ID: 200-77978-6

Matrix: Air Lab File ID: 65125_023.D

Analysis Method: TO-15 Date Collected: 05/09/2025 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/14/2025 03:41

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 216123 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.028	U	0.028	0.028
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.028	U	0.028	0.028
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.10	U	0.10	0.10
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.028	U	0.028	0.028
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-77978-1

SDG No.:

Client Sample ID: 34000032 Lab Sample ID: 200-77978-6

Matrix: Air Lab File ID: 65125_023.D

Analysis Method: TO-15 Date Collected: 05/09/2025 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/14/2025 03:41

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 216123 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.028	U	0.028	0.028
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.028	U	0.028	0.028
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-77978-1

SDG No.:

Client Sample ID: 34000032 Lab Sample ID: 200-77978-6

Matrix: Air Lab File ID: 65125_023.D

Analysis Method: TO-15 Date Collected: 05/09/2025 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/14/2025 03:41

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 216123 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHAM.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250513-65125.b\65125_023.D
Lims ID: 200-77978-A-6
Client ID: 34000032
Sample Type: Client
Inject. Date: 14-May-2025 03:41:19 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0065125-023
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20250513-65125.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 14-May-2025 15:57:54 Calib Date: 13-May-2025 01:19:20
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20250512-65121.b\65111_014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: YWL8 Date: 14-May-2025 15:57:54

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	1 Propene	41		4.267				ND	7
	2 Dichlorodifluoromethane	85		4.369				ND	
	3 Chlorodifluoromethane	51		4.417				ND	7
	4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.744				ND	
	5 Chloromethane	50		4.872				ND	7
	7 Butane	43		5.177				ND	7
	6 Vinyl chloride	62		5.177				ND	
	8 Butadiene	54		5.289				ND	
	9 Bromomethane	94		6.044				ND	
	10 Chloroethane	64		6.322				ND	
	13 Vinyl bromide	106		6.750				ND	
	14 Trichlorofluoromethane	101		6.916				ND	
	16 Ethanol	45		7.311				ND	
	20 1,1-Dichloroethene	96		8.002				ND	
	21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.039				ND	
	22 Acetone	43		8.087				ND	7
	23 Isopropyl alcohol	45		8.381				ND	7
	24 Carbon disulfide	76		8.408				ND	7
	26 3-Chloro-1-propene	41		8.713				ND	
	27 Methylene Chloride	49		8.954				ND	7
	28 2-Methyl-2-propanol	59		9.157				ND	
	31 Methyl tert-butyl ether	73		9.446				ND	
	30 trans-1,2-Dichloroethene	61		9.451				ND	
	32 Hexane	57		9.965				ND	
S	35 1,2-Dichloroethene, Total	61		10.200				ND	7
	33 1,1-Dichloroethane	63		10.238				ND	
	34 Vinyl acetate	43		10.243				ND	
	36 2-Butanone (MEK)	72		11.222				ND	
	37 cis-1,2-Dichloroethene	96		11.254				ND	
	38 Ethyl acetate	88		11.297				ND	
*	39 Chlorobromomethane	128	11.666	11.666	0.000	90	330343	10.0	
	40 Tetrahydrofuran	42		11.698				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	41 Chloroform	83		11.848				ND	
	42 1,1,1-Trichloroethane	97		12.148				ND	
	43 Cyclohexane	84		12.276				ND	
	44 Carbon tetrachloride	117		12.426				ND	
	45 Benzene	78		12.779				ND	7
	46 1,2-Dichloroethane	62		12.865				ND	
	47 Isooctane	57		12.988				ND	
	48 n-Heptane	43		13.293				ND	7
*	49 1,4-Difluorobenzene	114	13.523	13.523	0.000	95	1593376	10.0	
	51 Trichloroethene	95		13.956				ND	
	53 1,2-Dichloropropane	63		14.421				ND	
	54 Methyl methacrylate	69		14.502				ND	
	55 1,4-Dioxane	88		14.544				ND	
	57 Dibromomethane	174	14.587	14.582	0.005	81	544	0.0117	
	58 Dichlorobromomethane	83		14.897				ND	
	59 cis-1,3-Dichloropropene	75		15.700				ND	
	61 4-Methyl-2-pentanone (MIBK)	43		15.962				ND	
	62 Toluene	92		16.337				ND	7
	66 trans-1,3-Dichloropropene	75		16.759				ND	
	67 1,1,2-Trichloroethane	83		17.139				ND	
	68 Tetrachloroethene	166		17.321				ND	
	69 2-Hexanone	43		17.546				ND	
	70 Chlorodibromomethane	129		17.877				ND	
	71 Ethylene Dibromide	107		18.118				ND	
*	73 Chlorobenzene-d5	117	19.027	19.028	-0.001	87	1445638	10.0	
	74 Chlorobenzene	112		19.086				ND	
	75 Ethylbenzene	91		19.274				ND	MU
	76 m-Xylene & p-Xylene	106		19.536				ND	
S	80 Xylenes, Total	106		20.100				ND	7
	78 o-Xylene	106		20.306				ND	
	79 Styrene	104		20.338				ND	
	81 Bromoform	173		20.681				ND	
	82 Isopropylbenzene	105		20.975				ND	
	83 1,1,2,2-Tetrachloroethane	83		21.494				ND	7
	85 N-Propylbenzene	91		21.676				ND	
	86 2-Chlorotoluene	91		21.825				ND	
	87 4-Ethyltoluene	105		21.868				ND	
	88 1,3,5-Trimethylbenzene	105		21.959				ND	
	91 tert-Butylbenzene	119		22.435				ND	
	92 1,2,4-Trimethylbenzene	105		22.521				ND	
	93 sec-Butylbenzene	105		22.756				ND	
	94 1,3-Dichlorobenzene	146		22.933				ND	
	95 4-Isopropyltoluene	119		22.965				ND	
	96 1,4-Dichlorobenzene	146		23.072				ND	
	97 Benzyl chloride	91		23.222				ND	
	98 n-Butylbenzene	91		23.527				ND	
	99 1,2-Dichlorobenzene	146		23.575				ND	
	102 1,2,4-Trichlorobenzene	180		26.068				ND	
	103 Hexachlorobutadiene	225		26.314				ND	
	104 Naphthalene	128		26.565				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

ATTO15AMISs_00004 Amount Added: 20.00 Units: mL Run Reagent

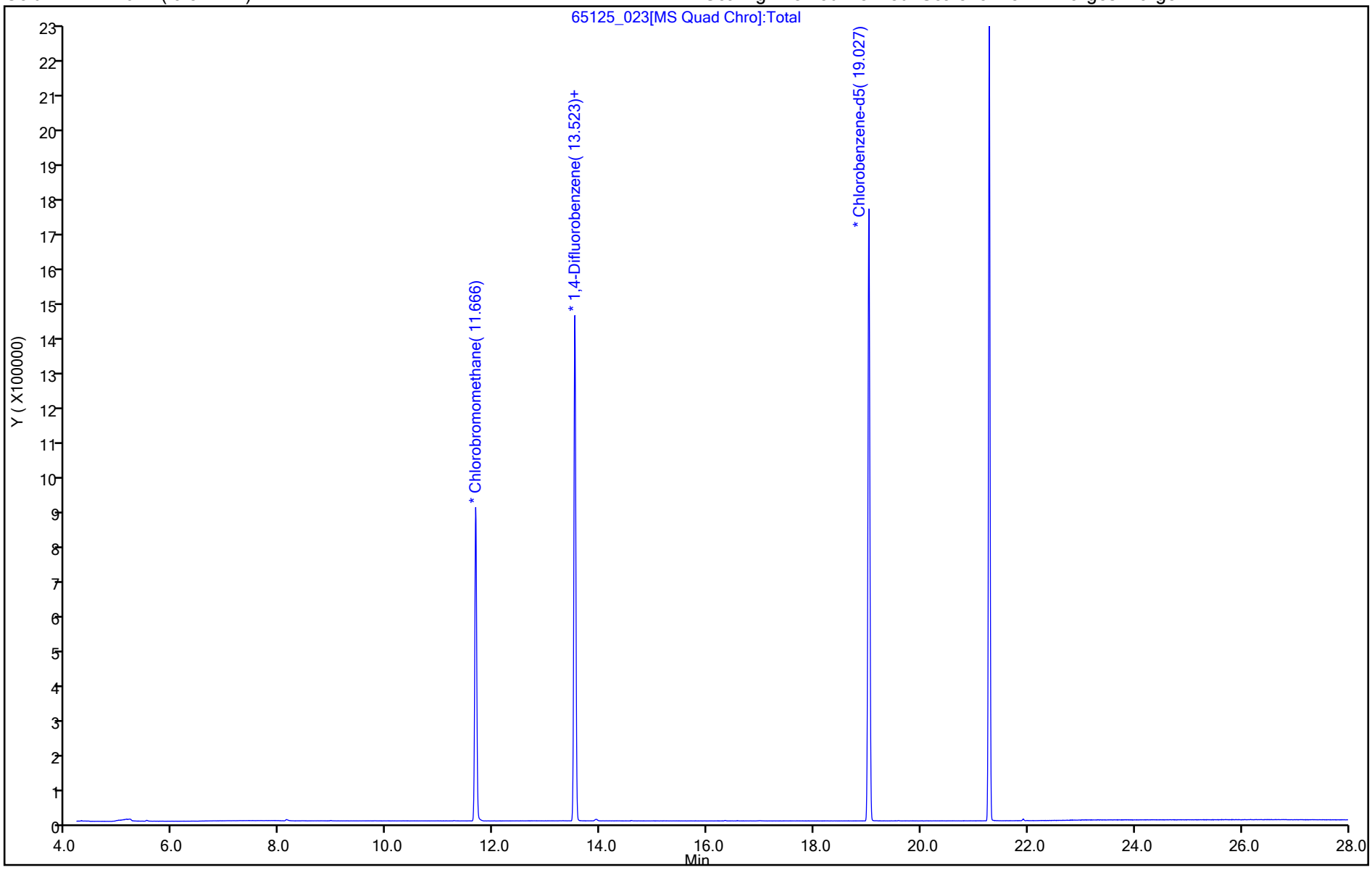
Report Date: 14-May-2025 15:57:54 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20250513-65125.b\65125_023.D

Injection Date:	14-May-2025 03:41:19	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	200-77978-A-6	Lab Sample ID:	200-77978-6	Worklist Smp#:	23
Client ID:	34000032				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	22
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



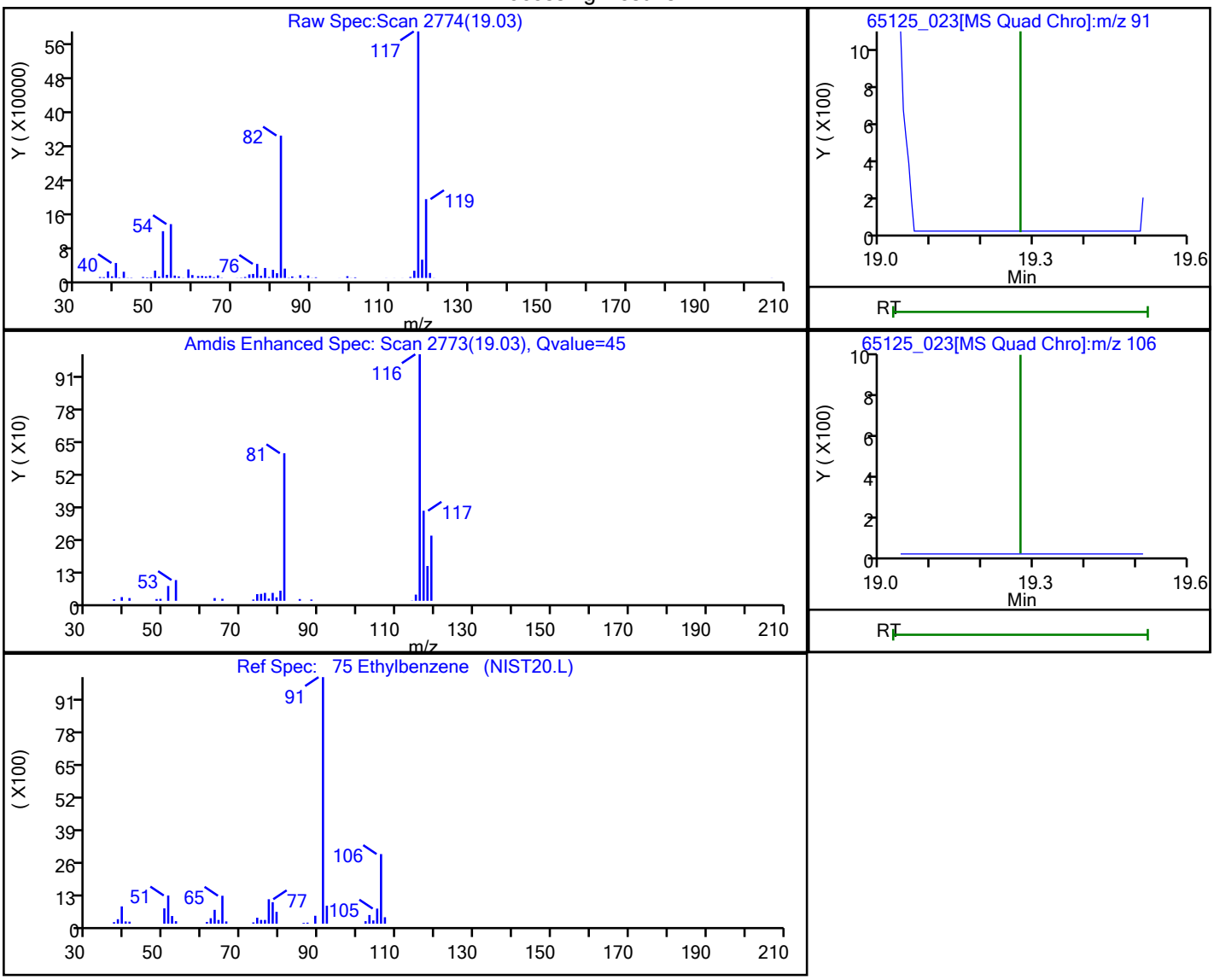
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAM.i\20250513-65125.b\65125_023.D				
Injection Date:	14-May-2025 03:41:19	Instrument ID:	CHAM.i		
Lims ID:	200-77978-A-6	Lab Sample ID:	200-77978-6		
Client ID:	34000032				
Operator ID:	vtp	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

75 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
19.03	91.00	3220	0.017536
19.27	106.00	0	

Reviewer: YWL8, 14-May-2025 15:57:42 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-78004-1

SDG No.:

Client Sample ID: 3390 Lab Sample ID: 200-78004-7

Matrix: Air Lab File ID: 65160-08.d

Analysis Method: TO-15 Date Collected: 05/13/2025 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/16/2025 14:03

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 216245 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.028	U	0.028	0.028
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.028	U	0.028	0.028
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.10	U	0.10	0.10
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.028	U	0.028	0.028
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 200-78004-1

SDG No.:

Client Sample ID: 3390 | Lab Sample ID: 200-78004-7

Matrix: Air | Lab File ID: 65160-08.d

Analysis Method: TO-15 | Date Collected: 05/13/2025 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/16/2025 14:03

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: | Heated Purge: (Y/N) pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 216245 | Units: ppb v/v

Preparation Batch No.: | Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.028	U	0.028	0.028
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.028	U	0.028	0.028
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-78004-1

SDG No.:

Client Sample ID: 3390 Lab Sample ID: 200-78004-7

Matrix: Air Lab File ID: 65160-08.d

Analysis Method: TO-15 Date Collected: 05/13/2025 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/16/2025 14:03

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 216245 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20250516-65160.b\65160-08.d
Lims ID: 200-78004-A-7
Client ID: 3390
Sample Type: Client
Inject. Date: 16-May-2025 14:03:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0065160-008
Operator ID: vtp Instrument ID: CHW.i

Method: \\chromfs\Burlington\ChromData\CHW.i\20250516-65160.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 18-May-2025 22:26:55 Calib Date: 11-Apr-2025 02:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20250410-64660.b\64660-15.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1700

First Level Reviewer: YWL8 Date: 18-May-2025 22:26:55

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	1 Propene	41		4.104				ND	7
	2 Dichlorodifluoromethane	85		4.195				ND	
	3 Chlorodifluoromethane	51		4.233				ND	
	4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.527				ND	
	5 Chloromethane	50		4.645				ND	7
	6 Vinyl chloride	62		4.939				ND	
	7 Butane	43		4.944				ND	7
	8 Butadiene	54		5.051				ND	
	9 Bromomethane	94		5.789				ND	
	10 Chloroethane	64		6.084				ND	
	13 Vinyl bromide	106		6.549				ND	
	14 Trichlorofluoromethane	101		6.731				ND	
	16 Ethanol	45		7.138				ND	
	20 1,1-Dichloroethene	96		7.961				ND	
	21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.010				ND	
	22 Acetone	43		8.036				ND	
	23 Isopropyl alcohol	45		8.379				ND	
	24 Carbon disulfide	76		8.454				ND	7
	26 3-Chloro-1-propene	41		8.791				ND	
	27 Methylene Chloride	49	9.085	9.085	0.022	84	1648	0.0442	7M
	28 2-Methyl-2-propanol	59		9.299				ND	
	31 Methyl tert-butyl ether	73		9.668				ND	
	30 trans-1,2-Dichloroethene	61		9.673				ND	
S	35 1,2-Dichloroethene, Total	61		10.200				ND	7
	32 Hexane	57		10.278				ND	
	33 1,1-Dichloroethane	63		10.567				ND	
	34 Vinyl acetate	43		10.572				ND	
	36 2-Butanone (MEK)	72		11.663				ND	
	37 cis-1,2-Dichloroethene	96		11.706				ND	
	38 Ethyl acetate	88		11.765				ND	
*	39 Chlorobromomethane	128	12.187	12.166	0.021	80	221798	10.0	
	40 Tetrahydrofuran	42		12.220				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 Chloroform	83		12.359				ND	
42 1,1,1-Trichloroethane	97		12.707				ND	
43 Cyclohexane	84		12.872				ND	
44 Carbon tetrachloride	117		13.022				ND	
45 Benzene	78		13.391				ND	7
46 1,2-Dichloroethane	62		13.466				ND	
47 Isooctane	57		13.627				ND	
48 n-Heptane	43		13.953				ND	
* 49 1,4-Difluorobenzene	114	14.194	14.178	0.016	93	1057578	10.0	
51 Trichloroethene	95		14.649				ND	
53 1,2-Dichloropropane	63		15.130				ND	
54 Methyl methacrylate	69		15.205				ND	
55 1,4-Dioxane	88		15.258				ND	
57 Dibromomethane	174		15.301				ND	7
58 Dichlorobromomethane	83		15.622				ND	
59 cis-1,3-Dichloropropene	75		16.462				ND	
61 4-Methyl-2-pentanone (MIBK)	43		16.708				ND	
62 Toluene	92		17.136				ND	
66 trans-1,3-Dichloropropene	75		17.548				ND	
67 1,1,2-Trichloroethane	83		17.939				ND	
68 Tetrachloroethene	166		18.169				ND	
69 2-Hexanone	43		18.334				ND	
70 Chlorodibromomethane	129		18.714				ND	
71 Ethylene Dibromide	107		18.971				ND	
* 73 Chlorobenzene-d5	117	19.907	19.897	0.010	84	975102	10.0	
74 Chlorobenzene	112		19.961				ND	
S 80 Xylenes, Total	106		20.100				ND	7
75 Ethylbenzene	91		20.143				ND	MU
76 m-Xylene & p-Xylene	106		20.394				ND	
78 o-Xylene	106		21.106				ND	
79 Styrene	104		21.138				ND	
81 Bromoform	173		21.459				ND	
82 Isopropylbenzene	105		21.726				ND	
83 1,1,2,2-Tetrachloroethane	83		22.186				ND	7
85 N-Propylbenzene	91		22.384				ND	
86 2-Chlorotoluene	91		22.534				ND	
87 4-Ethyltoluene	105		22.566				ND	
88 1,3,5-Trimethylbenzene	105		22.652				ND	
91 tert-Butylbenzene	119		23.112				ND	
92 1,2,4-Trimethylbenzene	105		23.197				ND	
93 sec-Butylbenzene	105		23.433				ND	
94 1,3-Dichlorobenzene	146		23.625				ND	
95 4-Isopropyltoluene	119		23.647				ND	
96 1,4-Dichlorobenzene	146		23.775				ND	
97 Benzyl chloride	91		23.920				ND	
98 n-Butylbenzene	91		24.246				ND	
99 1,2-Dichlorobenzene	146		24.310				ND	
102 1,2,4-Trichlorobenzene	180		27.022				ND	
103 Hexachlorobutadiene	225		27.290				ND	
104 Naphthalene	128		27.579				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15WISs_00010	Amount Added: 20.00	Units: mL	Run Reagent

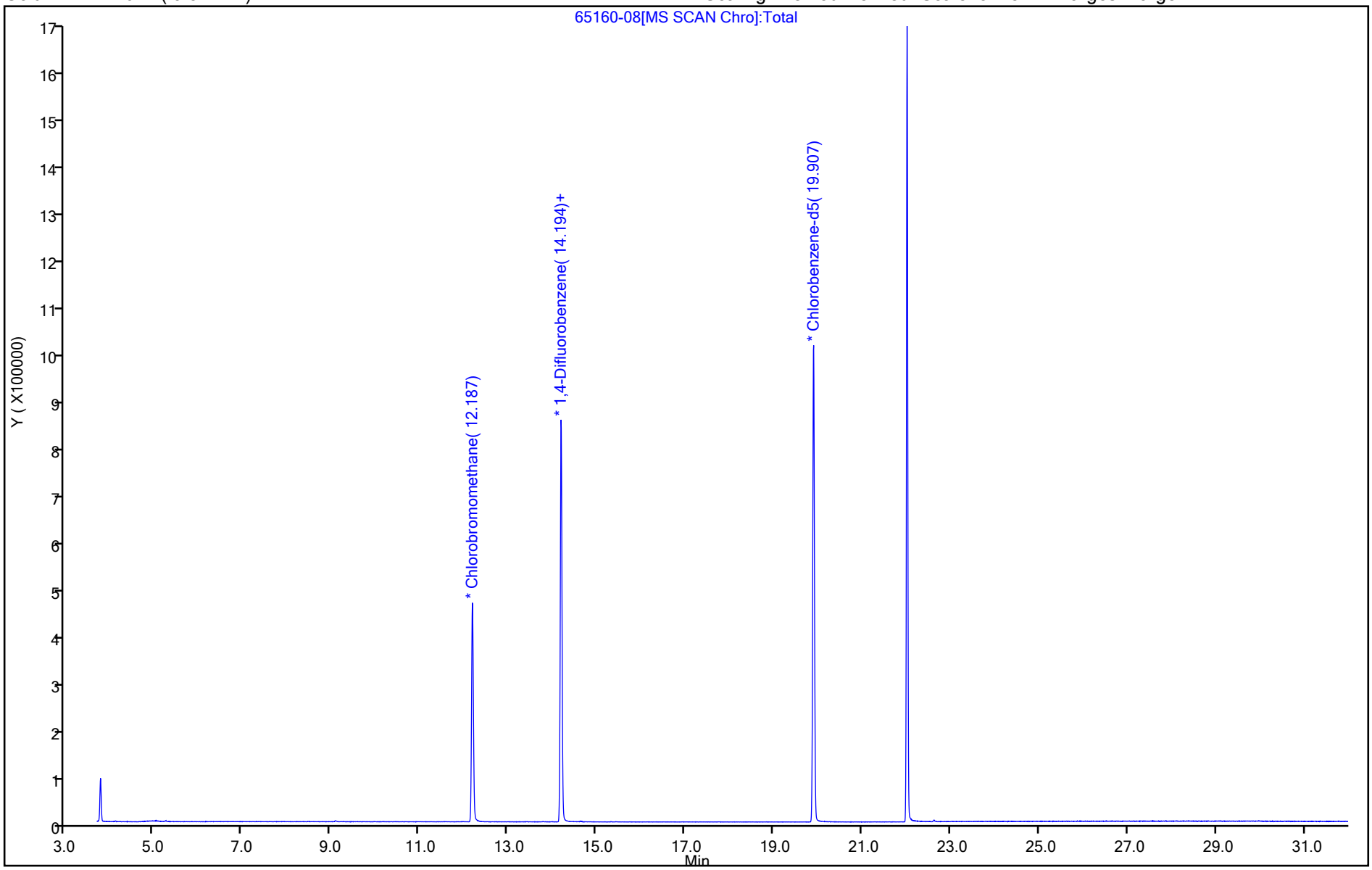
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Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20250516-65160.b\65160-08.d

Injection Date:	16-May-2025 14:03:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	200-78004-A-7	Lab Sample ID:	200-78004-7	Worklist Smp#:	8
Client ID:	3390				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	7
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

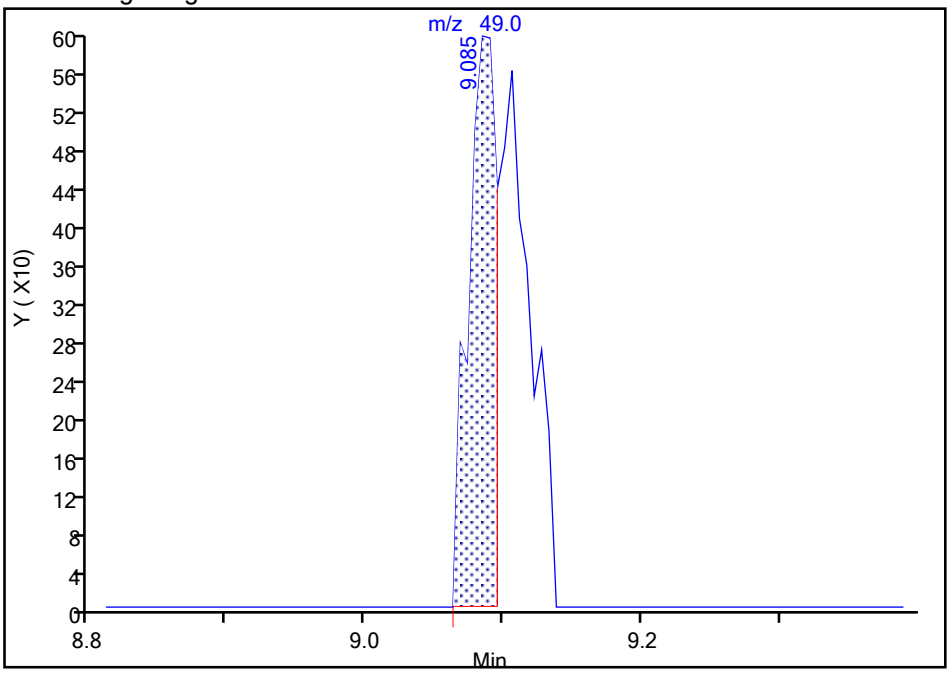
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Injection Date:	16-May-2025 14:03:30	Instrument ID:	CHW.i		
Lims ID:	200-78004-A-7	Lab Sample ID:	200-78004-7		
Client ID:	3390				
Operator ID:	vtp	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

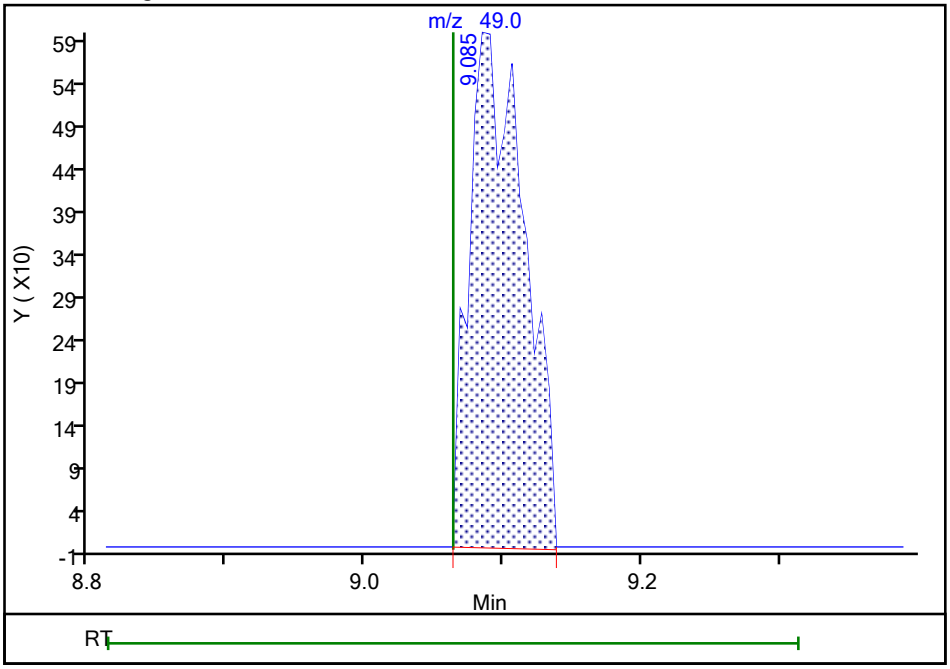
Processing Integration Results

RT: 9.08
Area: 851
Amount: 0.022836
Amount Units: ppb v/v



Manual Integration Results

RT: 9.08
Area: 1648
Amount: 0.044223
Amount Units: ppb v/v



Reviewer: YWL8, 18-May-2025 22:26:27 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

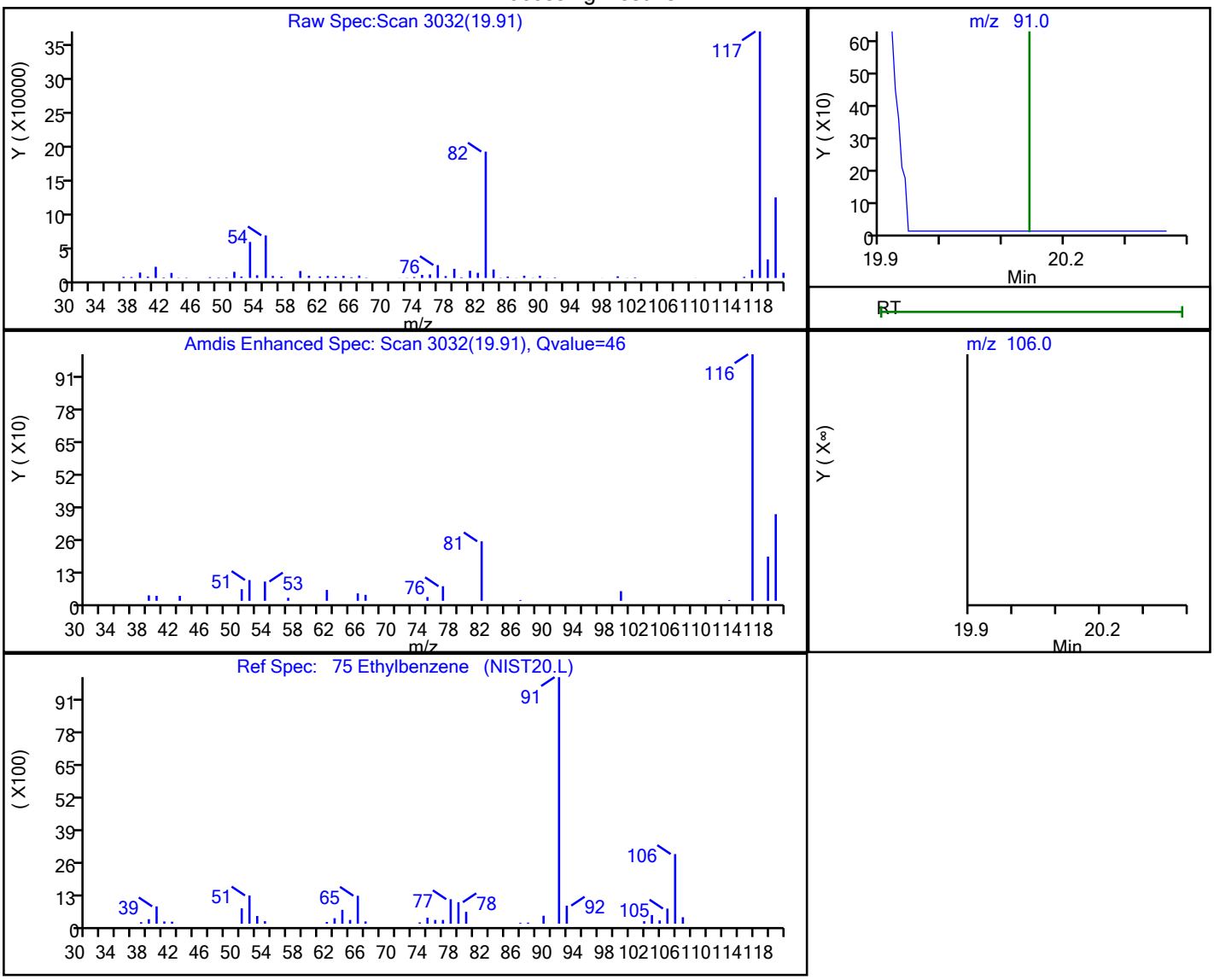
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20250516-65160.b\65160-08.d				
Injection Date:	16-May-2025 14:03:30	Instrument ID:	CHW.i		
Lims ID:	200-78004-A-7	Lab Sample ID:	200-78004-7		
Client ID:	3390				
Operator ID:	vtp	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

75 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
19.91	91.00	1900	0.010509
20.14	106.00	0	

Reviewer: YWL8, 18-May-2025 22:26:47 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Summa Canister Dilution Worksheet

Client: GEI Consultants Inc
Project/Site: 28-12 41st Avenue

Job No.: 200-78310-1
SDG No.: 200-78310-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
200-78310-4	6	-7.9	0.74	4.42	38.6	3.63	21.76		4.93	4.93	G43	06/11/25 10:22	TPB
200-78310-4	6	0	1.00	6.00	23.5	2.60	15.59		2.60	12.80	G43	06/11/25 10:22	TPB

Formulae:

Preadjusted Volume (L) = ((Preadjusted Pressure ("Hg) + 29.92 "Hg) * Vol L) / 29.92 "Hg
Adjusted Volume (L) = ((Adjusted Pressure (psig) + 14.7 psig)* Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

Appendix F

NYSDOH Decision Matrices

Soil Vapor/Indoor Air Matrix A

May 2017

Analytes Assigned:
Trichloroethene (TCE), *cis*-1,2-Dichloroethene (*c*-1,2-DCE), 1,1-Dichloroethene (1,1-DCE), Carbon Tetrachloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 0.2	0.2 to < 1	1 and above
< 6	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	4. No further action	5. MONITOR	6. MITIGATE
60 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

mcg/m^3 = micrograms per cubic meter

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX A

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor/Indoor Air Matrix B

May 2017

Analytes Assigned:
Tetrachloroethene (PCE), 1,1,1-Trichloroethane (1,1,1-TCA), Methylene Chloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 3	3 to < 10	10 and above
< 100	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
100 to < 1,000	4. No further action	5. MONITOR	6. MITIGATE
1,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

mcg/m^3 = micrograms per cubic meter

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX B

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor/Indoor Air Matrix C

May 2017

Analytes Assigned:
Vinyl Chloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)	
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 0.2	0.2 and above
< 6	1. No further action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	4. MONITOR	6. MITIGATE
60 and above	7. MITIGATE	9. MITIGATE

mcg/m^3 = micrograms per cubic meter

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX C

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor/Indoor Air Matrix D

February 2024

Analytes Assigned:
Benzene, ethylbenzene, naphthalene, cyclohexane, isooctane (2,2,4-trimethylpentane), 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, *o*-xylene

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 2	2 to < 10	10 and above
< 60	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) or RESAMPLE or MITIGATE
60 to < 600	4. No further action	5. MONITOR	6. MITIGATE
600 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

mcg/m^3 = micrograms per cubic meter

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) or Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation, and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building -specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX D

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion to occur is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor/Indoor Air Matrix E

February 2024

Analytes Assigned:
m-xylene, *p*-xylene, heptane, hexane

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 6	6 to < 20	20 and above
< 200	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) or RESAMPLE or MITIGATE
200 to < 2,000	4. No further action	5. MONITOR	6. MITIGATE
2,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

mcg/m^3 = micrograms per cubic meter

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) or Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation, and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building -specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX E

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion to occur is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor/Indoor Air Matrix F

February 2024

Analytes Assigned:
Toluene

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 10	10 to < 50	50 and above
< 300	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) or RESAMPLE or MITIGATE
300 to < 3,000	4. No further action	5. MONITOR	6. MITIGATE
3,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

mcg/m^3 = micrograms per cubic meter

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) or Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation, and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building -specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX F

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion to occur is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

APPENDIX B
August 2024 GPR Survey Report

Associated Environmental Services, Ltd.

UTILITY/GEOPHYSICAL INVESTIGATION REPORT

SITE LOCATION:
28-14 41st Avenue
Long Island City, NY

PREPARED FOR:
P.W. Grosser
630 Johnson Ave, Suite 7
Bohemia, NY 11716

PREPARED BY:
John Schretzmayer
Associated Environmental Services, Ltd
25 Central Ave
Hauppauge, NY 11788

May 17, 2021

Associated Environmental Services, Ltd (AES) is pleased to provide the results of the geophysical survey conducted at 28-14 41st Avenue, Long Island City, NY.

1.0 INTRODUCTION

On April 21, 2021 Associated Environmental Services, Ltd (AES) personnel performed a limited geophysical investigation and utility markout at 28-14 41st Avenue, Long Island City, NY. All accessible areas throughout the interior of the building and the surrounding area were scanned.

2.0 SCOPE OF WORK

The survey was conducted to locate utilities and subsurface for anomalies for upcoming subsurface work to be conducted at the property.

3.0 METHODOLOGY

Selection of survey equipment is dependent site conditions and project objectives. For this project the technician utilized the following equipment to survey the area of concern:

- Sensors & Software LMX100 ground penetrating radar (GPR)
- Radiodetection RD7000 precision utility locator
- Whites 808 Metal Detector
- Metrotech 810 Cable and Line detector
- Schonstedt Magnetometer
- Fiber Snake

Ground penetrating radar (commonly called GPR) is a geophysical method that has been developed over the past thirty years for shallow, high-resolution, subsurface investigations of the earth. GPR uses high frequency pulsed electromagnetic waves (generally 10 MHz to 1,000 MHz) to acquire subsurface information. Energy is propagated downward into the ground and is reflected back to the surface from boundaries at which there are electrical property contrasts. GPR is a method that is commonly used for environmental, engineering, archeological, and other shallow investigations.

The LMX100 GPR can accept a wide variety of antennas which provide various depths of penetration and levels of resolution. The LMX100 can achieve depths of penetration up to about 20 feet, but this depth may be greatly reduced due to site-specific conditions. Signal penetration decreases with increased soil conductivity. Conductive materials attenuate or absorb the GPR signal. As depth increases the return signal becomes weaker. Penetration is the greatest in unsaturated sands and fine gravels. Clayey, highly saline or saturated soils, areas covered by steel reinforced concrete, foundry slag, of other highly conductive materials significantly reduces GPR depth of penetration. The GPR was configured to transmit to a depth of approximately 18 feet below the subsurface.

The RD7000 precision utility locator uses radio emission to trace the location of metal bearing utilities. This radio emission can be active or passive. Active tracing requires the attachment of a radio transmitter to the utility, passive tracing uses radio emissions that are present on the utility. Underground electrical utilities typically emit radio signals that this device can detect.

The Metrotech 810 is designed to find pipes, cables and the Whites 808/Schonstedt Magnetometer is used to locate other metallic objects such as underground storage tanks and voids (drywells). One surveyor can carry both the transmitter and receiver together, making it ideally suited for exploration type searches of ferrous metal masses. Metal detectors of this type operate by generating a magnetic field at the transmitter which causes metallic objects in the subsurface to generate a secondary magnetic field. The induced secondary field is detected by the receiver, which generates an audible tone equal to the strength of the secondary field.

The fiber snake is used to snake underground pipes and is used in conjunction with the Metrotech 810 Cable and Line detector.

4.0 SURVEY FINDINGS

The GPR survey indicated several anomalies during the GPR survey. Location of the anomalies can be found in the attached figure. No anomalies indicative of a drywell or UST were found during the GPR Survey.

Utility Survey
Sewer, water, electric and gas lines were marked with paint and flags. See figure, photos and site sketch attached. All soil boring locations were cleared for utilities prior to drilling.

5.0 SURVEY LIMITATIONS

Only detectable utilities in the immediate area of 28-14 41st Avenue, Long Island City, NY. were marked.

6.0 WARRANTIES AND DISCLAIMER

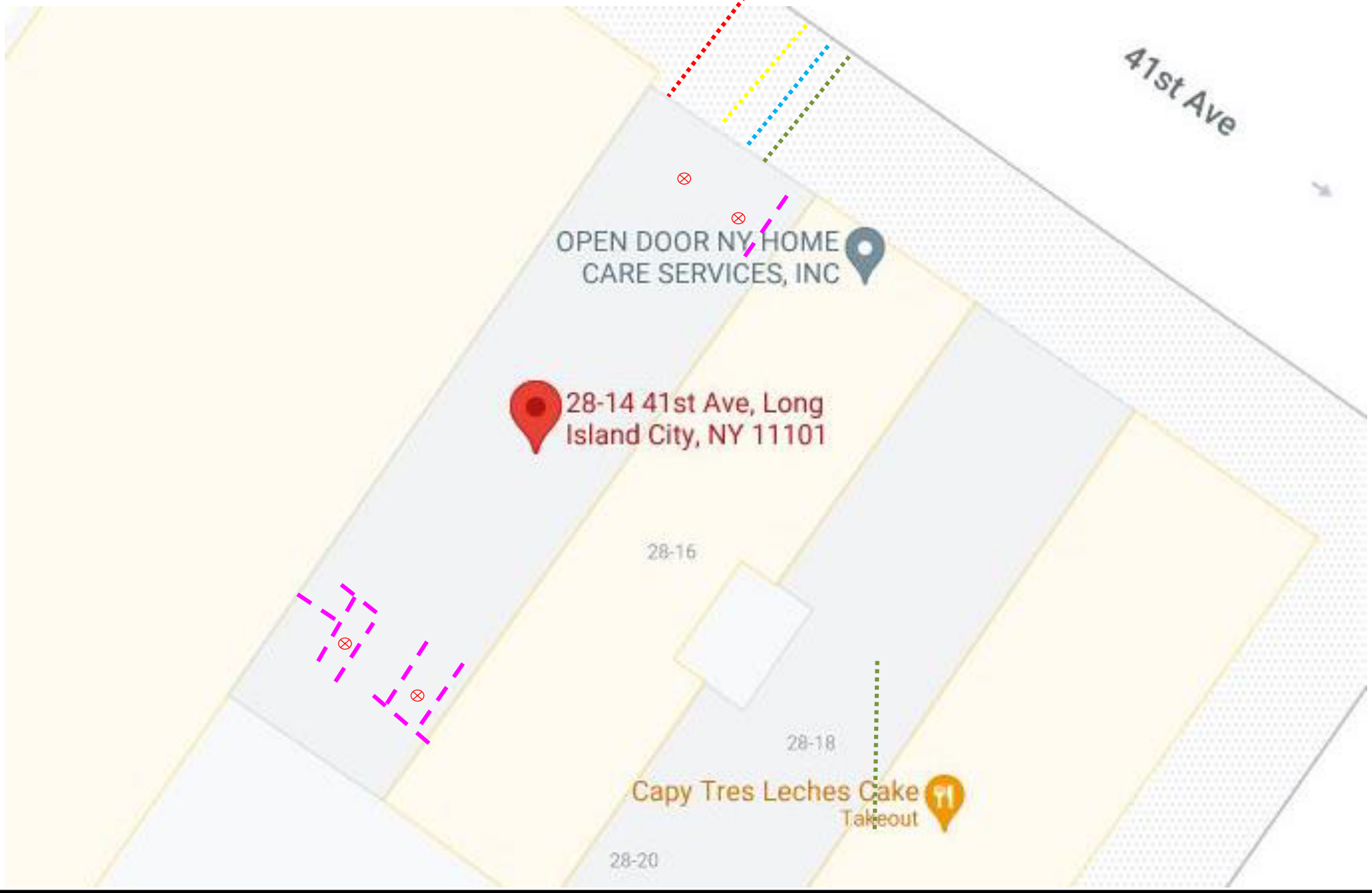
As with any geophysical method, it must be stressed that caution be used during any excavation or intrusive testing in proximity to any anomalies indicated in this report. In addition, the absence of detected signatures does not preclude the possibility that targets may exist. To the extent the client desires more definitive conclusions than are warranted by the currently available facts; it is specifically AES's intent that the conclusions stated herein will be intended as guidance.

This report is based upon the application of scientific principles and professional judgment to certain facts with resultant subjective interpretations. Professional judgments expressed herein are based on the facts currently available within the limit or scope of work, budget and schedule. AES represents that the services were performed in a manner consistent with currently accepted professional practices employed by geophysical/geological consultants under similar circumstances. No other representations to Client, express or implied, and no warranty or guarantee is included or intended in this agreement, or in any report, document, or otherwise.

This report was prepared pursuant to the contract AES has with the Client. That contractual relationship included an exchange of information about the property that was unique and between AES and its client and serves as the basis upon which this report was prepared. Because of the importance of the understandings between AES and its client, reliance or any use of this report by anyone other than the Client, for whom it was prepared, is prohibited and therefore not foreseeable to AES.

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ATTACHMENTS



Mark Out Locations
28-14 41st Ave
LIC, NY

LEGEND

- Electric
- -Boring Location
- Gas
- Communication
- - GPR Anomaly Manhole
- -Sewer Service
- -GPR Anomaly

Associated Environmental Services, Ltd.
25 Central Avenue, Hauppauge NY
Ph 631-234-4280 · Fx 631-234-4297

PHOTODOCUMENTATION
28-14 41st Ave
LIC, NY

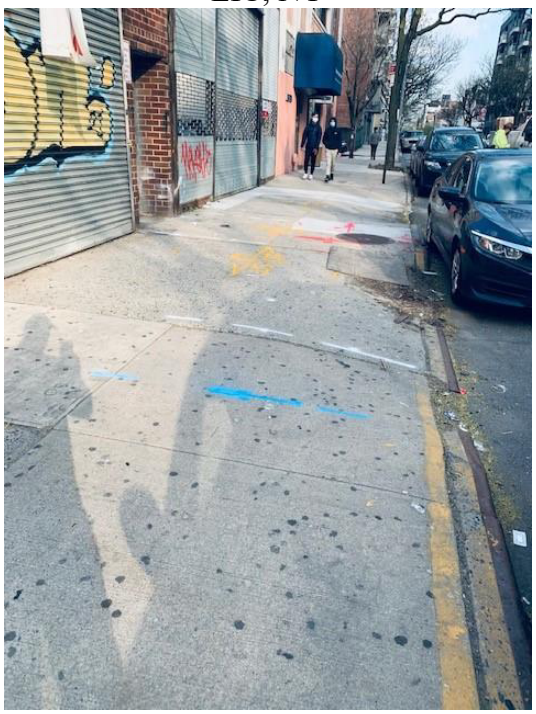


Subject Site


Scanning Sidewalk

Associated Environmental Services, Ltd.

PHOTODOCUMENTATION
28-14 41st Ave
LIC, NY



Marked Utilities



Clearing boreholes inside

Associated Environmental Services, Ltd.

PHOTODOCUMENTATION
28-14 41st Ave
LIC, NY



Clearing boreholes/Anomalies



Clearing boreholes/Anomalies

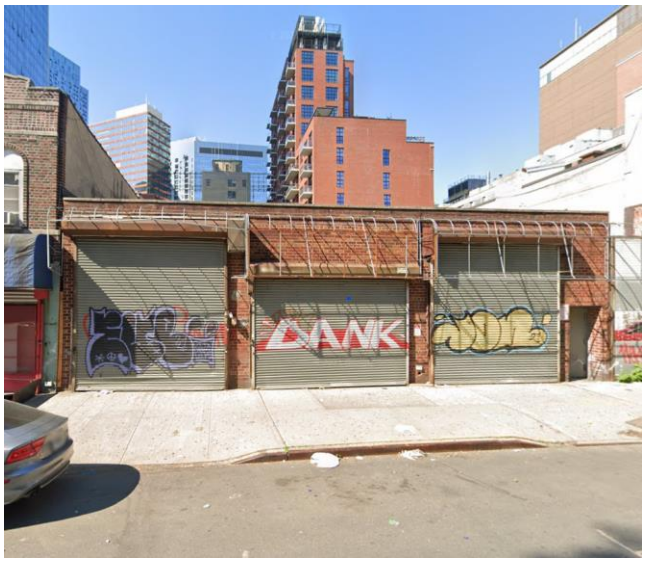
Associated Environmental Services, Ltd.

APPENDIX C
Field Sampling Plan

HALEY ALDRICH

www.haleyaldrich.com

FIELD SAMPLING PLAN
28-12 41ST AVENUE
LONG ISLAND CITY, NEW YORK



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

for
28-12 41st Ave LLC
Queens Village, New York

File No. 0214374
October 2025

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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 28-12 41st Avenue in Long Island City, 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), Health and Safety Plan (HASP), and Community Air Monitoring Plan (CAMP), 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 Part 375 Remedial Program when applicable.

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 sampling;
- Sampling of investigation of derived wastes (IDW) as needed for disposal.

A New York City Office of Environmental Remediation (NYC OER) Remedial Investigation (RI) was performed at the Site in June 2025 to investigate the anticipated contaminants of concern identified based on the Site's current and former uses. The RI has determined baseline information regarding volatile organic compound (VOC), semi-volatile organic compound (SVOC), metal, and pesticides contaminants. 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 property, 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.

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 when collecting groundwater samples for the evaluation of volatile constituents (i.e., dissolved oxygen (DO)) or in fine-grained formations where sediment/colloid transport is possible. Analyses typically sensitive to colloidal transport issues include polychlorinated biphenyls (PCBs), polyaromatic hydrocarbons (PAHs) and metals.

The "Typical Sampling Methods" will be employed where the collection of parameters less sensitive to turbidity/sediment issues are being collected (general chemistry, pesticides, and other semi-volatile organic compounds (SVOCs)).

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 water tight 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

- 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.

- 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
  - Bladder 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: 1,4-Dioxane and PFAS purge and sample techniques will be conducted following the NYSDEC guidance documents (see Appendix C of the RIWP). Acceptable groundwater pumps include stainless steel inertia pump with HDPE tubing, bladder 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 oil 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) device 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 appropriate 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 sample 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.

References

1. American Public Works Association, April 1999, Uniform Color Code (http://www.apwa.net/)
2. ASTM Standard D 2487, “Classification of Soils for Engineering Purposes (Unified Soil Classification System)”.
3. ASTM 4750 Test Method for Determining Subsurface Liquid Levels in a Borehole or Monitoring Well (Observation Well)
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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 D
Quality Assurance Project Plan

HALEY ALDRICH

www.haleyaldrich.com

QUALITY ASSURANCE PROJECT PLAN
28-12 41ST AVENUE
LONG ISLAND CITY, NEW YORK
NYSDEC BCP SITE NO. TBD

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

for
28-12 41st Ave LLC
Queens Village, New York

File No. 0214374
October 2025



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 for 28-12 41st Avenue in Long Island City, 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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A	Project Team Resumes

1. Project Description

This Quality Assurance Project Plan (QAPP) has been prepared as a component of the Remedial Investigation Work Plan (RIWP) for 28-12 41st Avenue, Long Island City, New York (Site).

1.1 PROJECT OBJECTIVES

The primary objective for data collection 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 8260C
- Target Compound List semi-volatile organic compounds (SVOCs) using EPA method 8270D
- Total Analyte List (TAL) Metals using EPA method 6010D
- TCL Pesticides using EPA method 8081B
- Polychlorinated biphenyls (PCBs) using EPA method 8082A
- Per- and polyfluoroalkyl substances (PFAS) using EPA method 1633A
- 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 8270D
- TAL Metals using EPA method 6020
- PFAS using EPA method 1633A
- 1,4-Dioxane using EPA method 8270SIM

Note: PFAS will be collected in accordance with the NYSDEC, Division of Environmental Remediation, Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) under NYSDEC Part 375 Remedial Program, April 2023. The PFAS analyte list, laboratory SOP, and detailed sampling procedures for PFAS are included in the April 2023 guidance in Appendix E of the Remedial Investigation Work Plan.

During the collection of groundwater samples, pH, specific conductivity, temperature, dissolved oxygen (DO), and oxidation/reduction potential (ORP) will be measured until stabilized.

The analytical laboratory parameters for soil vapor samples include:

- 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 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 monitoring activities. A NYSDOH certified analytical laboratory will perform the analyses of environmental samples collected at the Site.

2.1 PROJECT TEAM

The following project personnel are anticipated for oversight of the RIWP implementation. Project team resumes are included in Attachment A.

NYSDEC Case Manager	**TBD**
NYSDOH Case Manager	**TBD**
Qualified Environmental Professional	James M. Bellew
Project Manager	Luke J. McCartney, P.G.
Haley & Aldrich Health & Safety Director	Brian Fitzpatrick, CHMM
Health & Safety Officer	Brian Ferguson
Quality Assurance Officer	Sarah Commisso
Data Validation / DUSR Preparer	Katherine Miller

2.2 MANAGEMENT RESPONSIBILITIES

The Project Manager is responsible for managing the implementation of the RIWP 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 monitoring activities; and,
- Assure compliance with Site health and safety plan.

2.3 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:

2.3.1 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.

2.3.2 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.

2.4 LABORATORY RESPONSIBILITIES

The ELAP approved laboratory to be used will be Pace Analytical Services, LLC (Pace), located in Westborough, Massachusetts. Laboratory services in support of the RIWP monitoring include the following personnel:

2.4.1 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.

2.4.2 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.

2.4.3 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.

2.4.4 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.

2.4.5 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).

2.5 FIELD RESPONSIBILITIES

2.5.1 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.

2.5.2 Field Team Personnel

Field Team Personnel will be responsible for the following:

- Perform field activities as detailed in the RIWP and in compliance with the Field Sampling Plan (FSP; Appendix B of the RIWP) 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 in Appendix B of the RIWP 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 Sampling, Analysis and Assessment of PFAS under NYSDEC Part 375 Remedial Program (April 2023) when applicable. Proposed sample locations are shown on Figure 2 of the RIWP.

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.

3.1.1 PFAS-Specific Container Requirements for Soil and Water Samples

Samples collected using this protocol are intended to be analyzed for PFAS using EPA Method 1633A. The preferred material for containers is high density polyethylene (HDPE). Pre-cleaned samples containers, coolers, sample labels, and a chain of custody form will be provided by the laboratory.

3.2 SAMPLE LABELING

Each sample will be labeled with a unique sample identifier that will facilitate tracking and cross-referencing of sample information. Field 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 (Appendix B of the RIWP) 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 sampled directly from acetate liners.
2. Soil for VOC analysis will be removed from the sampling device as specified in the FSP provided as Appendix B of the RIWP.
3. Soil for non-VOC analysis will be removed from the sampling device and collected into clean laboratory provided containers.

3.4 GENERAL DECONTAMINATION PROCEDURES

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 material 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.

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 in Appendix B of the RIWP for sample packaging procedures.

- Samples will be assigned a unique sample number and will be affixed to a sample label. Refer to the FSP in Appendix B of the RIWP 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.

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 SOPs.

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 for solid and aqueous matrices only). 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 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 – micrograms per kilogram (µg/kg) for PFAS analyses, milligrams per kilogram (mg/kg) of media (Dry Weight).
- Aqueous Matrices – nanograms per liter (ng/L) for PFAS analyses, micrograms per liter (µg/L) of media for organic analyses, and milligrams per liter (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.

If necessary, 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 spike, 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 Address 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 Sections 7.0 and 8.0 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 laboratory management.

References

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3. United States Environmental Protection Agency, (1993). Data Quality Objectives Process for Superfund Interim Final Guidance. U.S. EPA/540/R-93-071, Office of Solid Waste and Emergency Response (OSWER), September 1993.

4. United States Environmental Protection Agency, (1992). Specifications and Guidance for Contaminant-Free Sample Containers. OSWER Directive 9240.0-05A, April 1992.

5. United States Environmental Protection Agency. U.S. EPA National Functional Guidelines for Organic Data Review. U.S. EPA 540/R-2017-002.

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7. United States Environmental Protection Agency. Test Methods for Evaluating Solid Waste, Office of Solid Waste, U.S. EPA, SW-846, November 1986, with updates.

8. New York State Department of Environmental Conservation, NYSDEC Analytical Services Protocol (ASP), Bureau of Environmental Investigation, 1991 with updates.

9. New York State Department of Environmental Conservation, NYSDEC, Division of Environmental Remediation, Technical Guidance for Site Investigation and Remediation, DER-10, May 2010.

10. New York State Department of Environmental Conservation, NYSDEC, Division of Environmental Remediation, Sampling, Analysis and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) under NYSDEC Part 375 Remedial Program, April 2023.

TABLES

TABLE I
SUMMARY OF ANALYSIS METHOD, PRESERVATION METHOD, HOLDING TIME, SAMPLE SIZE REQUIREMENTS AND SAMPLE CONTAINERS
28-12 41st Avenue
Long Island City, 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	250 mL	1 - 8 oz Glass
Pesticides/8081B	Soil	Cool, 4 ± 2 °C	14 days	250 mL	1 - 4 oz Glass
Polychlorinated Biphenyls/8082A	Soil	Cool, 4 ± 2 °C	14 days	250 mL	1 - 4 oz Glass
Metals/6010D	Soil	Cool, 4 ± 2 °C	180 days	60 mL	1 - 4 oz Glass
PFAS/1633A	Soil	Cool, 4 ± 2 °C	14 days	250 mL	1 - teflon free 250 ml plastic container
1,4-Dioxane/8270	Soil	Cool, 4 ± 2 °C	14 days	250 mL	1 - 8 oz Glass
Toxicity Characteristic Leaching Procedure Metals	Soil	Cool, 4 ± 2 °C	180 days	120 mL	1 - 4 oz Glass
Volatile Organic Compounds/8260C	Groundwater	HCl, Cool, 4 ± 2 °C	14 days	120 mL	3 - 40 mL glass vials
Semivolatile Organic Compounds/8270D	Groundwater	Cool, 4 ± 2 °C	7 days	500 mL	2 - 250 mL amber glass
TAL Metals/6020	Groundwater	HNO_3Cool, 4 ± 2 °C	180 days	500 mL	1 - 500 mL plastic bottle
PFAS/1633A	Groundwater	H2O Cool, 4 ± 2 °C	14 days	500 mL	2 - teflon free 250 ml plastic containers
1,4-Dioxane/8270SIM	Groundwater	Cool, 4 ± 2 °C	7 days	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 L Summa Canister

Notes:
1. Terracores and encores must be frozen within 48 hours of collection
2. Refer to text for additional information.

FIGURES



LEGEND

- SOIL BORING
- SOIL BORING/TEMPORARY MONITORING WELL
- SOIL VAPOR SAMPLE
- SITE/PARCEL BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, JULY 3, 2025

N

0 20 40
SCALE IN FEET

HALEY ALDRICH

28-12 41ST AVENUE
LONG ISLAND CITY, NEW YORK

PROPOSED SAMPLE LOCATION PLAN

OCTOBER 2025

FIGURE 2

GIS FILE PATH: C:\Users\pdrillio\OneDrive - haleyaldrich.com\Documents\TEMPORARY GIS WORK\P214374-000\GIS\214374_000_28_12 41_ST_AVENUE.aprx - USER: pdrillio - LAST SAVED: 10/1/2025 4:33 PM

ATTACHMENT A
Project Team Resumes



JAMES BELLEW

Principal

EDUCATION

M.S., Environmental Geology, Queens College
B.S., Geology, Pre-Law, Environmental Science, Binghamton University

PROFESSIONAL SOCIETIES

American Council of Engineering Companies, Member, 2017
Urban Land Institute, Member, 2016
Business Council of New York, Member, 2018

SPECIAL STUDIES AND COURSES

40-Hour OSHA Hazardous Waste Operations and Emergency Response Training (29 CFR 1910.120)
30-Hour OSHA Construction Safety and Heath
8-hour OSHA Site Supervisor Certification
OSHA Confined Space Entry Training Certification
Erosion and Sediment Control, New York, No. 006925
USDOT/IATA Training on the Shipping and/or Transportation of Hazardous Materials

James has a hands-on approach to every project. He believes that being present and putting himself into his clients' shoes is the best way to understand their needs. As a Principal, James's expertise includes due diligence, environmental risk development, building surveys, remedial investigations, remedial design, and technical oversight. Mr. Bellew has completed over 50 NYCOER E-Designation Sites and NYSDEC Brownfield Cleanup Program Sites which include preparation of all reports through to the certificate of completion and a certificate of occupancy.

Clients appreciate James' strategies from the inception of a project through closure under various regulatory programs nationwide. That comprehensive approach is what James loves the most about his job. He enjoys taking on complex projects and finding rational, cost-effective, remedial solutions.

RELEVANT PROJECT EXPERIENCE

Development, EPA Site RCRA-02-2009-7306, NYSDEC Site 243016, Former Port Mobil Terminal, Staten Island, New York. Principal responsible for the preparation of the feasibility study, preparation of the Interim Remedial Reports, completion of the Interim Remedial Measures, completion of the remedial investigation stages, continued execution of the Monitoring and Natural Attenuation Program, preparation of the Remedial Action Work Plan/Remedial Designs, and RCRA Closure procedures for the Port Mobil Terminal Site under an Environmental Protection Agency and New York State DEC Consent Order. The Site has a footprint of 240-Acres SF with a planned development for commercial/industrial uses.

Government, NYCDDC Shirley Chisholm Recreational Center, Brooklyn, New York. Principal for the project released by the New York City Department of Design and Construction, on behalf of the NYC Parks Department, for the design and construction of a new recreational center located at 3002 Foster Avenue in Brooklyn New York. Scope of services included execution of a Phase II Environmental Site Assessment, soil characterization, remedial oversight, geotechnical percolation testing and closure with the NYC Department of Environmental Protection.

Development's, New York State Superfund Site 224136, Former NuHart Plastics Site, New York State Superfund Site (NuHart West) and NYSDEC Brownfield Program Site C224287 (NuHart East), Brooklyn, New York. Principal for the preparation of the feasibility study, offsite investigation reports, RCRA (Resource Conservation and Recovery Act) Closure Work Plan, execution of the RCRA Closure, preparation of the Brownfield Cleanup Application (NuHart East), 100% Remedial Design, preparation of all BCP related work plans (NuHart East), coordination to vest the Site for 421-, Final Engineering Reports, RCRA Closure Reports, Site Management Plan, Remedial Memorandum and all community

outreach programs for a former plasticizer facility with on- and off-site pollutant concerns. Responsible for all remedial cost and alternative analysis with the client to bring the Site to a certificate of completion. NuHart is a high-profile Site that requires coordination with the New York State Department of Environmental Conservation (NYSDEC), the New York City Office of Environmental Remediation (NYCOER), local regulatory agencies, community stakeholders and local elected officials. Remediation included shipping off a majority of the Site soil for thermal desorption under a nonhazardous contained in determination for thermal treatment, erection of a negative pressure enclosure in OU-1, groundwater extraction and treatment, underground storage tank (UST) removal, ex-situ chemical soil mixing of Zero Valent Iron (OU-1), In Situ Injection of Zero Valent Iron (OU-2), containment walls (OU-1 and OU-2), In Situ Soil Stabilization and Solidification, and automated LNAPL recovery (OU-2). The NuHart East Site has completed the remediation and received the Certificate of Completion from the NYSDEC in 2023 and the NuHart West Site is receiving its Certificate of Completion in 2025 with an anticipated transition from a Class 2 to a Class 4 Inactive Hazardous waste Site.

Development, NYSDEC Site C224345, 101 Fleet Place, Brooklyn, New York. Principal responsible for the due diligence during acquisition, preparation of the Brownfield Cleanup Program Application, Change of Use Documents, BCA Amendments, remedial investigation, remedial action design (BCP and OER) and Final Engineering Report for the former bus depot Site under the New York State Brownfield Cleanup program and NYCOER E-Designation Programs (Air/Noise). The Site has a footprint of 20,000 SF with a planned development of a 21-story mixed use building with approximately 292 units which include affordable housing. This Site received a NYSDEC Certificate of Completion in 2024.

Development, NYSDEC Site C231150 644 East 14th Street, New York, New York. Principal responsible for the due diligence during acquisition, preparation of the Brownfield Cleanup Program Application, Change of Use Documents, BCA Amendments, remedial investigation, remedial action design and Final Engineering Report for the 644 East 14th Street Site under the New York State Brownfield Cleanup program. The Site has a footprint of 10,000 SF with a planned development of a 24-story mixed use building with approximately 196 units which include affordable housing. The Site received a certificate of completion from the NYSDEC in 2024.

Development, NYSDEC Site C224338 Former Garone Bros Auto Site, 352-362 Shepherd, Brooklyn, New York. Principal responsible for the due diligence during acquisition, preparation of the Brownfield Cleanup Program Application, Change of Use Documents, BCA Amendments, remedial investigation, remedial action design (BCP and OER) and Final Engineering Report for the former Garone Bros Auto Site under the New York State Brownfield Cleanup program and NYCOER E-Designation Programs (Air/Noise). The Site has a footprint of 10,000 SF with a planned development of a 7-story mixed use building with approximately 56 units which include affordable housing. The Site received a certificate of completion from the NYSDEC in 2024.

Development's, NYSDEC Sites C224369, C224348, Speedway Portfolio, Multiple Boroughs, New York. Principal responsible for the expedited due diligence during acquisition of 5 former Speedway Sites of Phase I ESA's and Limited Phase II ESI's, preparation of the Brownfield Cleanup Program Applications, Remedial Investigation Work Plans, Interim Remedial Measure Work Plans, Air/Noise Remedial Action Work Plans (NYCOER), remedial investigations, remedial action designs (BCP and OER), Final Engineering Reports and Site Management Plans. Five of the Sites including 808-834 Metropolitan (C224368), 210 Greenpoint Avenue (C224348) 1885 Atlantic (C224347), 2864 Atlantic (C224349) and 401 West 207th (C231151), were accepted into the NYSDEC Brownfield Cleanup program. The remedial actions for the Sites included a variety of approaches which consisting of in situ chemical treatment for groundwater, soil vapor extraction, excavation and dewatering removal and treatment. All of the Sites received a certificate of completion from the NYSDEC in 2023 and 2024.

Development, NYSDEC Site C203127, 138 Bruckner Boulevard, Bronx, New York. Principal responsible for the due diligence during acquisition, preparation of the Brownfield Cleanup Program Application, Change of Use Documents, coordination to vest the Site for 421-a, BCA Amendments, remedial investigation, remedial action design (BCP and OER) and Final Engineering Report for the former Zaro's Bakery Site under the New York State Brownfield Cleanup program and NYCOER E-Designation Programs (Air/Noise). The Site has a footprint of 50,000 SF with a planned

development of a 12-story mixed use building with approximately 447 units which include affordable housing. The Site received a certificate of completion from the NYSDEC in 2023.

Development, NYSDEC Site C203156 Former Mill Sanitary Wiping Cloth Site, 40 Bruckner Boulevard, Bronx, New York. Principal responsible for the due diligence during acquisition, preparation of the Brownfield Cleanup Program Application, Change of Use Documents, BCA Amendments, remedial investigation, remedial action design (BCP and OER) and Final Engineering Report for the former Mill Sanitary Wiping Cloth Site under the New York State Brownfield Cleanup program and NYCOER E-Designation Programs (Air/Noise). The Site has a footprint of 45,000 SF with a planned development of a 12-story mixed use building with approximately 480 units which include affordable housing. The Site received a certificate of completion from the NYSDEC in 2023.

Development, NYSDEC Site C203121, 310 Grand Concourse, Bronx, New York. Principal responsible for environmental and construction management services required to successfully navigate this two-building redevelopment project through the NYSDEC Brownfield Cleanup Program (BCP) and NYCOER E-Designation Program (Air/Noise). Project included site investigation, design, and remediation for development of two buildings within a 30,000 square-foot lot in the Bronx, New York. Remediation included excavation of approximately 20,000 cubic yards of soil, groundwater extraction and treatment, underground storage tank (UST) removal, design, and installation an ex-situ chemical in situ soil stabilization process for elevated levels of metals.

Development, NYSDEC Site C224299, 297 Wallabout Street, Brooklyn New York. Principal responsible for the due diligence during acquisition, preparation of the Brownfield Cleanup Program Application, Change of Use Documents, BCA Amendments, remedial investigation, and remedial action design (BCP and OER), Final Engineering Report and Site Management Plan for the 297 Wallabout Street Site under the New York State Brownfield Cleanup program and NYCOER E-Designation Programs (Air). Successfully delineated the onsite tetrachloroethene (PCE) plume in soil and groundwater. The Site is currently in the remedial implementation phase. Remediation included excavation of approximately 5,000 cubic yards of soil, groundwater extraction and treatment, underground storage tank (UST) removal, design, and installation an ex-situ chemical oxidation process for chlorinated solvents and monitoring and natural attenuation. The Site received a certificate of completion from the NYSDEC in 2024.

Development, NYSDEC Site C224239, Former Techtronics Site (8 Walworth Street), Brooklyn, New York. Principal for the remedial investigation, remedial action design and remedial action implementation for the former Techtronics Site under the New York State Brownfield Cleanup program as a Participant where trichloroethene (TCE) and tetrachloroethene (PCE) were encountered in soil and groundwater. James successfully delineated the vertical and lateral extents of the plumes which were identified as an upgradient, on-site. For this Site we have designed source removal to 20'bgs, Zero Valent Iron (ZVI) Reactive Barrier Wall, in situ ZVI injections sitewide and a vertical vapor mitigation system. The Site is currently in the remedial implementation phase.

Development, New York City OER Site - 346 Grand Concourse, Bronx, New York. Principal for the proposed 9-story, 60 key commercial building with one-level deep cellar. Design phase environmental services consist of guiding the Site through the New York City Office of Environmental of Remediation Voluntary Cleanup and E-Designation Programs, including Hazmat, Air Quality and Noise requirements. This program included submission of a Remedial Investigation Work Plan, implementation of a Remedial Investigation, submittal of a Remedial Investigation Report, Remedial Action Work Plans (Hazmat Air and Noise) and the Final Installation Report for the Certificate of Occupancy.

Development, New York City OER Site - 3294 Atlantic Avenue, Brooklyn, New York. Principal for the proposed 12-story, 80 key commercial building with one-level deep cellar. Design phase environmental services consist of guiding the Site through the New York City Office of Environmental of Remediation Voluntary Cleanup and E-Designation Programs, including Hazmat, Air Quality and Noise requirements. This program included submission of a Remedial Investigation Work Plan, implementation of a Remedial Investigation, submittal of a Remedial Investigation Report, Remedial Action Work Plans (Hazmat Air and Noise) and the Final Installation Report for the Certificate of Occupancy.

Development, New York City OER Site - 590-594 Myrtle Avenue, Brooklyn, New York. Principal for the proposed 6-story, 12-unit residential building with one-level deep cellar. Design phase environmental services consist of guiding the Site through the New York City Office of Environmental of Remediation Voluntary Cleanup and E-Designation Programs, including Hazmat, Air Quality and Noise requirements. This program included submission of a Remedial Investigation Work Plan, implementation of a Remedial Investigation, submittal of a Remedial Investigation Report, Remedial Action Work Plans (Hazmat Air and Noise) and the Final Installation Report for the Certificate of Occupancy.

Development, New York City OER Site - 3530 Webster Avenue, Bronx, New York. Principal for the proposed 8-story, 75 key commercial building with one-level deep cellar. Design phase environmental services consist of guiding the Site through the New York City Office of Environmental of Remediation Voluntary Cleanup and E-Designation Programs, including Hazmat, Air Quality and Noise requirements. This program included submission of a Remedial Investigation Work Plan, implementation of a Remedial Investigation, submittal of a Remedial Investigation Report, Remedial Action Work Plans (Hazmat Air and Noise). The project is currently in the construction phase of the NYCOER program.

Development, Former BP Station, Elmhurst Queens, New York. Principal for the preparation of a full environmental impact statement with respect to a mixed-use development proposed in Elmhurst Queens for submission to the NYC Department of City Planning to rezone the project. The work included a full impact assessment of the proposed construction with respect to the neighborhood, evaluation of green/open spaces for the community and environmental site investigation and remediation services.

Development, NYSDEC Site C224204, Former Delta Metals Site, Brooklyn, New York. Senior Project manager for the remedial investigation and remedial action design for the former Delta Metal Products Company. Project is under the New York State Brownfield Cleanup program as a Participant where TCE and tetrachloroethene (PCE) were encountered in soil and groundwater. James successfully delineated the vertical and lateral extents of the plumes which were identified as an upgradient, on-site and downgradient plume. Investigation results triggered the NYSDEC to utilize its call-out contract to perform a plume track down for the immediate area and identify additional Potentially Responsible Parties. The design for an Air Sparge Soil Vapor Extraction system has been accepted and the project is currently under construction.

Manufacturing-Industrial, Hess Amerada, Bogota and Edgewater, New Jersey. Senior Project Manager and technical Lead for the construction management services for the demolition of two waterfront terminals on the Hackensack and Hudson rivers. Services included demolition design, submittal review, site execution and coordination of activities related to asbestos abatement, demolition of buildings, thirty holding tanks, piping structures, containment structures and storm water structures.

Manufacturing-Industrial, PQ Corporation, Northeastern United States. Senior Project Manager responsible for the design and implementation of a three phased program for handling polychlorinated biphenyl (PCB) containing materials on approximately 100 tank structures at large, active industrial sites, which included coating removal, encapsulation, demolition, and Toxic Substances Control Act (TSCA) remediation. He was responsible for development of the overall program, specifications, drawings, bid packages, construction oversight and project administration until closure. The program also included design and oversight of a new façade and roof upgrades completed concurrently to client operations.

Development, NYSDEC Site C224194, Former Cascade Laundry, Brooklyn, New York. Senior Project Manager responsible for environmental and construction management services required to successfully navigate a seven-building redevelopment project through the NYSDEC Brownfield Cleanup Program (BCP) and NYCOER E-Designation Program (Air/Noise). Project included site investigation, design, and remediation for development of seven buildings within a 2-acre site in Brooklyn, New York. Remediation included excavation of approximately 40,000 cubic yards of soil, groundwater extraction and treatment, underground storage tank (UST) removal, design, and installation of a sub slab depressurization system (SSDS) and ex situ chemical oxidation of groundwater impacted by petroleum.

Development, New York City OER Site - 520-534 West 29th Street, New York, New York. James was responsible for environmental site investigation and remediation activities required to successfully navigate the project through the

NYCOER's E-Designation and Voluntary Cleanup Programs. This program included submission of a Remedial Investigation Work Plan, implementation of a Remedial Investigation, submittal of a Remedial Investigation Report, Remedial Action Work Plans (Hazmat Air and Noise). The project is currently in the construction phase of the NYCOER program.

Development, New York State Brownfield Site, BJ's Wholesale, Brooklyn, New York. Senior Project Manager for the remedial execution within the NYSDEC BCP and NYCOER E-Designation programs at an 8-acre peninsula in Gravesend Bay being redeveloped by BJ's Wholesale Club (BJ's) into a "big-box" warehouse and parking garage, and a publicly accessible, waterfront open space. He implemented a comprehensive community air monitoring plan (CAMP), managed the design and installation of a passive sub slab depressurization system, and oversaw handling and off-site disposal of impacted material generated by BJ's (the Lessee for the subject site) during their foundation construction activities.

Development, New York State Brownfield Site, Coney Island, Brooklyn, New York. Senior Project Manager responsible for the environmental design during the rehabilitation and expansion of a 1970s-era mixed-use complex, which covers an area equivalent to three city blocks. He facilitated the BCP applications for two adjacent parcels within the complex impacted by historic dry-cleaning uses. Site investigations performed had documented the presence of PCE in soil gas and was delineated over three separate structural slabs in commercial and residential space utilizing a mobile laboratory. He designed and installed two sub-slab depressurization systems and prepared Remedial Investigation Work Plan which outlined work required to delineate the vertical and horizontal extent of the impacted soils, soil vapor and groundwater at both BCP sites. The system was designed with below slab suction pits, remote sensing vacuum monitoring points, and a variable frequency drive blower tied into the monitoring points for optimization and power savings.

Development, New York City OER Site - Memorial Sloan Kettering Cancer Center (MSKCC), New York, New York. Project Manager for environmental remediation for this MSKCC development project. James was solely responsible for subsurface investigation and remediation activities, large, manufactured gas plant (MGP) gas holder removal (from former Con Edison Operations), UST removal, daily status updates to the NYCOER, implementation of the CAMP and the management, handling, characterization, and off-site disposal of MGP impacted soil and dewatering fluids.

New York State Spill Remediation, Metropolitan Transportation Agency Bridges and Tunnels, New York, New York. Project Manager responsible for execution of a remedial action scope which included UST removal, excavation of 600 cubic yards of petroleum impacted soil, design and installation of a groundwater extraction and treatment system and post remediation samples. He implemented the In Situ Chemical Oxidation program for the injection of 54,000 gallons of 8 percent solution Fenton's Reagent and the O&M (Operation & Maintenance) of the petroleum spill with respect to Fenton's performance and the plume migration.

Various Public Schools, New York City School Construction Authority, New York, New York. Project Manager responsible for environmental remediation proposed several school developments sites, including PS 312, P.S. 281, and PS 27K. Assisted in the design and implementation of the remediation programs for the sites for petroleum spills, PCB TSCA contamination and hazardous lead hot spots.

Development, i.Park Edgewater, Edgewater, New Jersey. Project Manager responsible for the design and environmental remediation on-site. Implemented the construction plan for remediation of arsenic, pitch- and PCB-impacted soil for excavation and off-site disposal of 20,000 tons. He managed the air monitoring system on-site which consisted of four permanent stations set upwind and downwind on-site for volatile organic compounds (VOCs) and particulate migration off-site. Also, James performed redesigns throughout the project to keep within the current schedule and budget.

Development, New York State Brownfield, Queens West, Long Island City, New York. Project Manager responsible for oversight of the Environmental Remediation on-site. James implemented the construction plan for remediation of 20,000 cubic yards of LNAPL on the Site; he assisted in design and oversight of the In Situ Chemical Oxidation mixing on-site. The project was eventually developed into three large towers and a new school.

Manufactured Gas Plant, National Grid, Rockaway, New York. James aided in the design and implementation of the soil characterization plan for MGP impacted sands. After delineation of the contamination plume, drafted work plans and site layout of the negative pressure tent. He performed and trained the on-site staff on the use of personal air monitoring equipment and aided with design considerations on the installation of a waterloo barrier to be advanced to minus 80 feet below grade surface. James also helped with the design and permitting for the groundwater treatment system installed on-site.

Manufactured Gas Plant, Con Edison, New York, New York. Environmental engineer for responsible party for all environmental issues associated with this job, including transportation and disposal of 8,000 tons of MGP contaminated soil from former Con Edison operations. James scheduled weekly work for all civil and environmental tasks on the job. He was responsible for the design and installation of the dewatering treatment system with a daily discharge of 25,000 gallons per day of MGP -impacted water.

New York State Superfund Project, NYSDEC, Hicksville, New York. James performed O&M and reporting on the Site's Potassium Permanganate Injection system, which was on a timed system; maintained the system, troubleshooting problems and ensuring that the proper ratios were being injected. He performed the fieldwork for analysis and drafted interim reports for the project manager.

Retail Petroleum, New York State Spills Program, Hess Amerada, Various Locations, New York. Environmental Engineer responsible for the design and installation of groundwater and soil vapor remedial systems at over 30 retail petroleum stations for Hess. Responsible for ensuring that the remedial systems were operating properly and performing repairs as necessary during operation. He performed groundwater and soil vapor monitoring and drafted O&M reports for the NYSDEC. Plume size ranged from within the retail station property with monitoring off-site impacts in local neighborhoods greater than a 3-mile radius.

Retail Petroleum, New York State Spills Program, British Petroleum (BP), Various Locations, New York. Environmental Engineer responsible for the design and installation of groundwater and soil vapor remedial systems at over 10 retail petroleum stations for BP. He was responsible for ensuring that the remedial systems were operating properly and performing repairs necessary during operation. He performed groundwater and soil vapor monitoring and drafted O&M reports for the NYSDEC. Plume size ranged from within the retail station property with monitoring off-site impacts in local neighborhoods greater than a 2-mile radius.

Development, 524 West 19th Street, New York, NY (Metal Shutter Homes). Project Engineer responsible party for all environmental and civil issues associated with this job, including transportation and disposal of 5,000 tons of MGP contaminated soil from former Con Edison operations. James scheduled weekly work for all civil and environmental tasks on the job. He successfully redesigned the grout cutoff wall connections to the installed steel sheeting with a secant wall installed off-site. He provided technical guidance for drilling 4-foot diameter exploratory casings for subsurface anomalies. Additionally, James was responsible for the design and installation of the dewatering treatment system with a daily discharge of 25,000 gallons per day of MGP impacted water.

EPA Superfund Site, Newtown Creek Superfund, Brooklyn, New York. Environmental Engineer who aided in the design of the pump and treat system installed at Peerless Importers. He also aided in the design and installation of the harbor boom set up. Operated and Maintained groundwater/LNAPL extraction systems on-site and performed monthly site gauging as part of the O&M plan.



LUKE J. MCCARTNEY, PG

Project Manager

EDUCATION

B.S., Water Resources/Geology (Hydrogeology Focus), State University of New York- Oneonta

PROFESSIONAL REGISTRATIONS

2018/NY: Professional Geologist (PG Reg. No. 000760)

PROFESSIONAL SOCIETIES

New York State Council of Professional Geologists (NYSCPG) – Member

SPECIAL STUDIES AND COURSES

40-Hour OSHA Hazardous Waste Operations and Emergency Response Training (29 CFR 1910.120)

8-Hour OSHA Hazardous Waste Worker Refresher Training (29 CFR 1910.120)

10 Hour OSHA Construction Safety and Health

DOT HazMat Certification

Luke is a highly motivated and detail-oriented professional with more than 28 years of experience in the environmental and construction industry, including field and office-level management of multi-disciplinary teams and implementing projects. He excels at time management, subcontractor and schedule coordination, mentoring junior staff, preparation of technical reports, and maintaining communication/relations between all facets of the project team and clients. He has extensive field experience coordinating and inspecting earthwork, construction oversight, remediation of contaminated soil and groundwater, and remedial system design implementation and operation. He also commits his knowledge to office operations and developing standardized protocols, systems, and efficiencies for office and field teams.

RELEVANT PROJECT EXPERIENCE

Manhattan Management, New York State Department of Environmental Conservation (NYSDEC), Brownfield Cleanup Program (BCP), Brooklyn and Bronx, New York. As Project Manager, Luke was responsible for the execution of Remedial Investigations and Remedial Action Plans for two sites in the New York State Brownfield Cleanup Program (NYS BCP). Both projects involved remediation of contaminated soil during development of the properties into multi-family residential buildings, providing more housing for underdeveloped neighborhoods within New York City. Remedial objectives included both a Track 1 and Track 2 cleanup and through daily coordination with internal teams and external stakeholders during the remedial actions to technical review and compilation of Final Engineering Reports, both projects were completed in compliance with approved plans and achieved Certificates of Completion (COCs) from the NYSDEC.

LendLease/Consigli, New York City (NYC) Department of Design and Construction (DDC) Public Building (PB) Division on behalf of NYC Department of Parks and Recreation (NY Parks), Shirley Chisholm Recreation Center (Design Build), Brooklyn, New York. As Project Manager, Luke leads environmental consulting and geotechnical engineering services for the Shirley Chisholm Recreation Center Design-Build project with a footprint area of about 45,700 sf within Nostrand Playground in Brooklyn, New York. The recreation center will include a three-story building with a total of 76,603 gross square feet (gsf) and will include an indoor pool, areas for social and cultural activities, classrooms, multi-

media rooms, and indoor basketball court, and a gym. The building will be surrounded by landscaped areas and concrete sidewalks.

Luke coordinated environmental consulting services and planning in the design phase of the project to comply with the requirements of an Environmental Assessment Statement (EAS) completed for the site. Luke has guided his project team through completion of a Limited Phase II Environmental Site Assessment, compilation and implementation of a Remedial Action Plan that has included a soil characterization, remedial construction oversight, and a Community Air Monitoring Program (CAMP). Geotechnical services have included permeability testing for design of Stormwater Management Practices (SMPs) and borings for the installation of Consolidated Edison (ConEd) underground electrical vaults. This is an ongoing project with a completion date in late 2025.

Related Companies, New York State Department of Environmental Conservation (NYSDEC), Brownfield Cleanup Program (BCP), Willets Point, Queens, New York. As Field Manager, Luke was responsible for on-site field management of a 20+ acre redevelopment enrolled in the NYSDEC BCP with a significant history of landfilling and multiple sources and types of contamination. He managed daily operations and field staff performing inspections to ensure compliance with technical plans and construction specifications. He coordinated and attended weekly meetings with client and construction teams to provide technical, regulatory, and risk management status updates and guidance. Additionally, Luke ensured that project milestone schedules were achieved, prepared change orders and updated plans to efficiently manage out-of-scope field changes and coordinated and managed subcontractors to finalize scopes and project objectives. He also provided site training and skill development of junior staff.

Park Tower Group, New York City Office of Environmental Remediation (NYCOER), Greenpoint Landing, Brooklyn, New York. For this large-scale urban redevelopment project under NYCOER regulatory oversight, Luke coordinated and managed the field effort during implementation of multiple Remedial Action Work Plans (RAWPs) supporting construction of one parking lot, one Combined Sewer Outfall (CSO) utility line, two new roadways, three affordable-housing residential buildings, and one, 38-story market-rate high rise. He trained and supported field staff during the work and interfaced daily with the project team and client to keep field efforts focused and on track. Additionally, Luke participated in project meetings with client, construction management teams, contractors, and regulatory agency personnel, assisted with project scheduling and issuance of work change orders, technical review of contractor environmental submittals to ensure compliance with RAWPs. He also completed environmental sampling throughout the field activities including delineation and disposal coordination of hazardous metals in soil, completed oversight during the installation of site Engineering Controls (ECs) and commissioning of Sub-Membrane Depressurization (SMD) systems involving Indoor Air Quality (IAQ) Assessments and Sampling, reviewed and completed QA/QC on field-logs and data post-field.

Consolidated Edison (ConEd), Multiple Sites, New York. As Field Manager, Luke completed USEPA Spill Prevention, Control, and Countermeasure (SPCC) compliance inspections at 13 ConEd electrical substations in response to requirements of the NYSDEC. He also reviewed SPCC Plans, historical inspection reports, and facility plans to ascertain site-specific details and recommendations prior to conducting site visits. Additionally, Luke completed walk-throughs of each substation facility to identify and provide management team with detailed summaries and supporting photo-documentation of concerns at each site, participated in meetings with client project, operations, engineering, and legal teams.

Urstadt Biddle Properties, Inc., Wayne, New Jersey. As Project Manager, Luke was responsible for environmental oversight and management during remedial activities related to a dense non-aqueous phase liquid (DNAPL) tetrachloroethylene (PCE) spill. He provided environmental investigation, oversight services, and management during Phase I and Phase II Environmental Site Assessments at the site, including soil and groundwater sampling, sample handling, sewer line video analysis, and soil excavation and disposal. He coordinated subcontractor scopes, reviewed invoices, and compiled a Remedial Investigation and Remedial Action Report for the site for submittal to the New Jersey Department of Environmental Protection (NJDEP)

Town of Putnam Valley, Hydrogeologic Assessment and Delineation of Aquifer Protection Zones, New York. As Project Manager, Luke completed a Hydrogeologic Assessment and Delineation of Aquifer Protection Zones that considered hillslopes, soils, surface waters, groundwater, open spaces, and existing land uses for inclusion in the Towns Master Plan and development of a Comprehensive Plan and Generic Environmental Impact Statement (GEIS). He also completed watershed boundary mapping, oversaw the implementation of aquifer pumping/yield tests, completed visual inspections of watershed features, participated in town meetings in a technical advisement capacity.

PUBLICATIONS

"Creation of Groundwater Resource Maps for Planning Future Development," with W. Canavan, CPG, E. Sivers, and E. Wolley, *American Water Resources Association,* AWRA's Annual Resource Conference, November 2001.



BRIAN FITZPATRICK, CHMM

Corporate Director, Health and Safety

EDUCATION

M.P.A., Environmental Policy, Syracuse University
B.S., Environmental Science, University of Massachusetts-Amherst
A.S., Chemistry, Valley Forge Military Junior College
Commissioned Officer, United States Army

CERTIFICATIONS

Certified Hazardous Materials Manager (Reg. No. 13454)
Certified Department of Transportation Shipper
Certified International Air Transport Authority Shipper

PROFESSIONAL SOCIETIES

Alliance of Hazardous Materials Professionals
Academy of Certified Hazardous Materials Managers, New England Chapter

SPECIAL STUDIES AND COURSES

Department of Transportation
International Air Transport Authority
Incident Commander
Confined Space Entry and Rescue
Radiation Safety Officer
RCRA Hazardous Waste
Massachusetts Industrial Waste Water Operator Grade 2I (expired)

AWARDS

Presidents Club Award (one million hours worked without a recordable injury, Cabot Corporation
Chancellors Award for Excellence, Syracuse University

Brian has over 25 years of experience in developing, implementing, and managing a wide range of environmental, health, and safety (EH&S) solutions for a variety of clients. Brian has served as the Health and Safety Manager and Incident Commander at several research and development sites and has managed extensive programs to maintain and clean contaminated sites under Federal and State regulatory programs. He has provided expertise in managing EH&S programs as a consultant, and has actively developed, implemented, and managed these programs as an EH&S professional for various industries.

Brian is currently working as the Chief Health and Safety Officer for Haley & Aldrich, Inc. He, and his staff, are involved in every project Haley & Aldrich, Inc. undertakes. Brian is involved on several projects, directly overseeing the health and safety on the project site of our staff, our contractors, and the public. Brian also acts as support for our on-site health and safety staff on other larger construction and remediation projects.

Through Brian's leadership our safety culture and focus extend from the top of our organization to each and every Haley & Aldrich employee as well as subconsultants and subcontractors. Utilizing a Behavior Based Safety approach, Haley & Aldrich expects every project team member to play an important role in making our projects safe and has given authority to every Haley & Aldrich employee, subconsultant, and subcontractor to stop any activity at any time for health or safety concerns. Our record illustrates that our hard work is paying off. The company has gone 4 years without a lost time injury, and our TRIR and EMR have consistently improved each of the last 3 years.

RELEVANT PROJECT EXPERIENCE

Haley & Aldrich, Inc., Burlington, Massachusetts. As Chief Health and Safety Officer, Brian has led and facilitated the development and implementation of corporate health and safety (H&S) improvement plans to enhance compliance and improve H&S performance. In Brian's time with Haley & Aldrich, Inc., the company has realized dramatic improvement on H&S goals and in Key Performance Indicators. Brian is responsible for developing a risk competence culture, where our staff are empowered to look for and engage to address risk before anyone is injured. Brian oversees the development, implementation and continuous improvement of all H&S programs for the company. Additional responsibilities include:

- Developing a safety culture through incident reporting, root cause analysis, behavior-based safety, hazard recognition and risk assessment, communication, and developing leaders;
- Monitoring proposed and existing SH&E regulations and legislation to determine their impact on operations and to ensure continued compliance;
- Overseeing the safety, industrial hygiene, and toxicology programs for over 600 staff members engaged in remediation, construction, health and safety, consulting, and general office work across 28 offices in the United States and on assignment to international project sites;
- Continuously seeks to improve H&S performance as measured by the OSHA Incident Rating (IR) and Worker's Compensation Experience Modification Rating (EMR), as well as Leading Indicators developed with the management team; and
- Participating in the corporate audit program as an auditor or lead auditor;

Energy Client, California. As Chief Health and Safety Officer, Brian led and facilitated the Alliance Partnership Safety Council in 2017, is still an active contributor to the council, and hosts routine contractor safety forums for the client. Brian is actively involved in the development and implementation of program safety, health, and environmental (SH&E) plans to ensure safe operations on project sites. Brian developed permits and Health and Safety Plans for large projects and routinely audits the site safety. Additional responsibilities include:

- Driving reporting and behavior-based safety initiatives to support our internal safety culture and developing monthly summary reports to illustrate performance to our client.
- Develop, assess and continuously improve site safety plans and practices, including specific safety protocols for working safely over and around water.
- Worked as an extension of the client's organization to provide assurance that the remedy was completed safely and consistent with client-specific requirements.
- Support on-site safety personnel in ensuring the health and safety of the general public, our staff, and our sub-contracted employees.
- Audits and visits sites to ensure compliance with our internal policies and client-specific requirements.

Energy Client, Ohio. As Chief Health and Safety Officer, Brian supports the project team in developing and executing client and project specific health and safety measures, such as a site specific Health and Safety Plan, Job Hazard Analyses, Industrial Hygiene program, and site specific training. Brian also routinely visits the site to assess current practices and condition and to ensure continuous improvement. Additional responsibilities include:

- Develop, assess, and continuously improve site safety plans and practices, including specific safety protocols to comply with supplemental EH&S requirements such as the Duke Health and Safety Handbook, Environmental Supplemental, and EHS Keys to Life.
- Develop, assess, and continuously improve site safety plans and practices to address the risks associated with the work being performed on site, as well as the environmental conditions and simultaneous operations, including trenching and excavation, hot work, work over and near water, heavy equipment, HAZWOPER, etc.
- Worked as an extension of the client's organization to provide assurance that the remedy was completed safely and consistent with client-specific requirements.
- Support on-site safety personnel in ensuring the health and safety of the general public, our staff, and our sub-contracted employees.
- Audits and visits site to ensure compliance with our internal policies and client-specific requirements.

BRIAN A. FERGUSON

Senior Engineer

EDUCATION

M. S. Geotechnical Engineering, Tufts University, Medford, Massachusetts; 2012
B. S. Civil Engineering, State University of New York - Environmental, Science, and Forestry, Syracuse, New York; 2000
Ass. Science Degree in Applied Science and Technology (Nuclear Engineering), Thomas A. Edison State College, Trenton, New Jersey; 2000

PROFESSIONAL SOCIETIES

Order of the Engineer – 2000
Boston Society of Civil Engineers (BSCE)
American Society of Civil Engineers (ASCE)

SPECIAL STUDIES AND COURSES

American Concrete Institute – Certified Field Technician Certified Grade 1
Radiation Safety and Operations of Nuclear Testing Equipment – Troxler
40-Hour OSHA Hazardous Waste Operations Training (+ 8-Hour annual refresher)
10-Hour OSHA Construction training
Confined Space Entry Training
16-Hour Asbestos Operations and Maintenance

Mr. Ferguson has over six years of experience serving as project engineer on a variety of real estate development projects. His project experience has included monitoring field investigations and performing construction oversight, performing due diligence and engineering analyses, performing geotechnical analyses and developing geotechnical recommendations, and preparing geotechnical reports and project specifications.

In addition to providing engineering design support, Mr. Ferguson has managed and participated in a number of field service activities. Field work has included construction monitoring and documentation of contractors' deep and shallow foundation related construction, including slurry walls, caissons, pile driving, pile cap installation, earthwork, backfilling and compaction, installation of soldier pile and wood lagging support systems, installation of tie backs, reading inclinometers, conducting in-place field unit weight tests, tie-back load testing, seismograph installation, monitoring, and evaluating, and preparation of footing bearing surfaces. Other responsibilities have included site development activities, including placement of utilities and subgrade preparation for roads; observations and testing to determine that work is completed in compliance with contract documents; on-site soil management; sampling of soil and groundwater for chemical laboratory testing and conducting in situ field screening; maintenance of job records including pile driving logs, results of field density tests, records of caisson and footing installations; preparation of daily field reports; in contact with key personnel; and resolution of field related problems.

RELEVANT PROJECT EXPERIENCE

St. Elizabeths Hostpital – West Campus Forensic Evaluations, Washington, D.C. Project Engineer for forensic evaluations on the adaptive reuse of former hospital buildings. Responsibilities included coordination of a field exploration program, including test borings and test pits to obtain subsurface information for project design and construction, overseeing multiple field personnel, subcontractors, assisting with project management, reviewing subcontractors invoices, reviewing and summarizing subsurface data and writing data reports.

TUFTS University, New Central Energy Plant, Medford, MA. Project engineer for a new Central Energy Plant that will house new co-generation steam boilers, centralized chilled water and electrical transformer switchgear that is planned to occupy approximately 20,000 square feet across two or three levels. Responsibilities included coordination of construction monitoring, observing SOE and footing installation, assisting with project management,

reviewing weekly field construction reports, reviewing and responding to geotechnical design submittals and attending project meetings.

Lahey Hospital and Medical Center – Stilts Infill Project, Burlington, MA Project Engineer for an addition to the existing Stilts building on the Lahey campus. Responsibilities included coordination and overseeing geotechnical and environmental subsurface investigations, coordination of construction monitoring, observing footing installation, assisting with project management, reviewing weekly field construction reports, reviewing and responding to geotechnical design submittals and attending project meetings.

Gloucester Beauport Hotel, Gloucester, MA Project engineer for a four story hotel with a seawall constructed adjacent to tidal beach. Responsibilities included coordination and overseeing geotechnical and environmental subsurface investigations, coordination of construction monitoring, assisting with project management, reviewing weekly field construction reports, reviewing and responding to geotechnical design submittals and attending project meetings, design and implementation of a sub-slab gas mitigation system.

275 Wyman Street, New Office Building, Waltham, MA. Project engineer for a new office building and parking garage founded on a shallow foundation system. Responsibilities included preparing proposals, assisting with management and planning of a subsurface investigation program, summarizing subsurface data and reviewing geotechnical test boring logs, coordination of construction monitoring and instrumentation monitoring programs, reviewing weekly field construction reports, reviewing and responding to specialty geotechnical design submittals and RFIs by others and attending project meetings.

Suffolk University - 20 Somerset Street, Boston, MA Project engineer for design of 8-story academic building with two levels of below grade finished space. Responsibilities included coordination of construction monitoring, observing SOE and footing installation, assisting with project management, reviewing weekly field construction reports, reviewing and responding to geotechnical design submittals and attending project meetings.

Worcester State University, New Student Housing, Worcester, MA Project engineer for design and construction of a 7-story residence/dining hall with a single level basement and a major site retaining wall structure. Responsibilities included overseeing geotechnical subsurface investigations, provided foundation recommendations and specifications, and prepared a retaining wall contract document. Responsibilities included coordination of construction monitoring, excavation and construction of footings, and soil reuse and management, assisting with project management, reviewing weekly field construction reports, reviewing and responding to geotechnical design submittals and attending project meetings.

University of Massachusetts Boston, General Academic Building No.1, Boston, MA. Project engineer responsible for assisting project manager in preliminary foundation engineering recommendations and construction considerations for a new academic building on a part of Columbia Point, a historic landfill area. Assisted in design phase services that included preparing foundation support design recommendations including the use of high allowable stresses for 190-ft long end-bearing H-piles and application of Slickcoat coating to address downdrag concerns and reduce foundation costs.

Waltham Watch Factory, Waltham, MA project engineer for redevelopment of former watch factory. Responsibilities included construction oversight of new precast parking garage, utilitiy upgrades, soil remediation and management, installation of gas mitigation systems, assisting with project management, reviewing weekly field construction reports, reviewing and responding to geotechnical design submittals and attending project meetings.

Massachusetts Green High Performance Computing Center, Holyoke, MA. Project engineer for 60,000 sq. ft high level computing center and associated support utilities. Redevelopment of the site included recycling 50,000 cy of construction debris into the site fills at this historic site along the Connecticut River. Responsibilities included coordinating geotechnical and environmental field investigations, coordination of construction monitoring, seismic analysis, reviewing weekly field construction reports, reviewing and responding to geotechnical design submittals and attending project meetings.

The Shops at Riverwood, Hyde Park, MA. The project consisted of the redevelopment of a colonial era paper mill. The multi-building complex was demolished and the concrete and brick from the previous buildings were recycled. The project involved crushing 50,000 cy of brick and concrete and placement of excavated soils and recycled brick and concrete as compacted fill materials to support proposed buildings, pavement areas, and achieve 5 to 9 ft. raises in grade. Field Representative was responsible for management and reuse of brick and concrete stockpiles, in-place density testing, coordination of test pits, installation of soldier pile and versa-lok walls, and backfilling of underground vaults. Remedial activities included: excavation of 5,000 cy of petroleum contaminated soils, on-site cement batching in a pug mill, and placement of compacted recycled materials in roadway areas; delineation, excavation and off-site disposal of TSCA-regulated PCB contaminated soils associated with historical Askarel transformers and dioxin-contaminated soils associated with historical bleaching operations; and disposition of 1,000 tons of paper mill sludge encountered within an abandoned granite-walled sluiceway structure. In addition, assisted with weekly project meetings, maintaining a record of material reuse, and providing weekly field reports.

Harvard Law School, Cambridge, MA. The Harvard Law School project is located on Massachusetts Avenue in Cambridge. The project consisted of a multistory building above ground with 5 levels below ground for a parking garage. Field Representative was responsible for overseeing the installation of slurry walls into bedrock and LBEs with three installation rigs while monitoring the removal of urban fill and transfer to several different receiving facilities from another portion of the site. The slurry walls were constructed into bedrock. Other Field Representative activities were: testing of the slurry, management of the excavated soils, and record keeping of the Contractor's obstruction and down time of the equipment. In addition, assisted with weekly project meetings, maintaining a record of obstruction and machine time, and providing weekly field reports.

KATHERINE R. MILLER

Project Manager

EDUCATION

B.S., Chemistry, University of Arizona

SPECIAL STUDIES AND COURSES

40-Hour OSHA Hazardous Waste Operations and Emergency Response Training (29 CFR 1910.120 and 40 CFR 265.16)
8-Hour OSHA Refresher Training (29 CFR 1910.120)
Level IV Data Validation Training

AWARDS

Pinnacle Award, 2009
Pathfinder Award, 2014

In her 10 years at Haley & Aldrich, Katherine has worked on soil and groundwater environmental investigations and the preparation of environmental reports for private, industrial, and government-based project clients. She is a qualified Data Validator capable of performing various levels of validation on laboratory water quality data according to U.S. Environmental Protection Agency (EPA) National Functional Guidelines and to U.S. Department of Energy radiochemical guidelines. She also has experience designing and maintaining databases for project-specific needs.

Project management responsibilities for a $1.5 million per year stormwater project include preparation of subcontractor bids and contracts; preparation of cost estimates, proposals, and reports; coordination of field testing programs; and interpretation of chemical testing results. She has interacted with local regulatory agencies.

RELEVANT PROJECT EXPERIENCE

Confidential Aerospace Manufacturer, Groundwater Monitoring, Western U.S. Katherine served as project manager for the comprehensive stormwater management program. Responsibilities included project finance management and data management including quality assurance/quality control (QA/QC) and interpretation of chemical testing results. Evaluated QA/QC of groundwater quality data, prepared reports and managed data for the site. Performed data validation of quarterly water quality data from over 300 locations according to EPA National Functional Guidelines and to DOE radiochemical guidelines over a six-year period. Also, responsible for updating and maintaining the integrity of over 200,000 records during that time period. Assisted with management of sampling, analysis, and reporting of constituents of concern, ensured compliance with post-closure permit monitoring and reporting requirements, Data Management Plan, QAPP, and Environmental Data Management System, and ensured and maintained 100% compliance with the QAPP and Data Management Plan. Additionally, prepared groundwater data summaries for proposed extraction wells including comparisons to site NPDES outfall limits in support of Groundwater Interim Measures planning.

Asarco Hayden Plant Site, Hayden, Arizona. Katherine assisted with field preparation, QA/QC of analytical data, and data validation as part of the Remedial Investigation/Feasibility Work Plan including soil, sediment, air, process water, surface water, and stormwater.

Former MGP Site, California. Katherine assisted with report preparation, QA/QC of soil and/or groundwater quality data, and data validation for the investigation of three large former MGP sites in an urban, residential setting; includes over 200 residential properties.

General Manufacturing, Leitchfield, Kentucky. Katherine assisted with report preparation, QA/QC of soil and/or groundwater quality data, and data validation for a soil and groundwater RCRA site. Groundwater monitoring is conducted annually at more than 50 locations for volatile organic compounds (VOCs), including 1,4-dioxane and semi-volatile organic compound (SVOCs).

Skyworks Solutions, Inc., Newbury Park, California. Katherine assisted with report preparation, QA/QC of soil and/or groundwater quality data, and data validation at groundwater remediation site. She monitored for VOCs, including 1,4-dioxane, and inorganic chemicals, including hexavalent chromium.

Teledyne Scientific Company, Thousand Oaks, California. Katherine assisted with report preparation for this groundwater assessment site. Monitored natural attenuation has been instituted as the long-term site remedy.

Port of Redwood City, Permitting and Sediment Characterization, California. Katherine assisted with report preparation, QA/QC of sampling data, and data validation.

Kiewit Infrastructure West, Sediment Quality Study, California. Katherine assisted with report preparation, QA/QC of sampling data, and data validation.

Aeolian Yacht Harbor, Permitting, Eel Grass Conservation and Sediment Characterization, California. Katherine assisted with report preparation, QA/QC of sampling data, and data validation.

Marin County, Paradise Cay Permitting and Sediment Characterization, California. Katherine assisted with report preparation, QA/QC of sampling data, and data validation.

SANTA E. MCKENNA

Senior Geologist

EDUCATION

B.S., Geology, State University of New York at Oswego

PROFESSIONAL REGISTRATIONS

2018/ NY: Professional Geologist (Reg. No. 000984)

PROFESSIONAL SOCIETIES

Geological Society of America, Professional Member

SPECIAL STUDIES AND COURSES

40-Hour OSHA Hazardous Waste Operations Training (29 CFR 1910.120)
8-Hour OSHA HAZWOPER Annual Refresher Course
8-Hour OSHA Supervisory Training
10-Hour OSHA Construction Safety
National Safety Council First Aid/CPR Certification

Santa has ten years of experience working as a geologist in support of environmental and geologic investigations. She is experienced in various aspects of site characterization and investigations, having worked on a variety of geotechnical, and contaminated sites, including several manufactured gas plants (MGP), industrial, and refinery sites. She is well versed in the methods and procedures of subsurface investigations and developing data to characterize site geology and subsurface conditions.

As senior geologist she has a strong knowledge of field investigation procedures and is experienced in drilling methods in soil and bedrock. She has also performed extensive remedial investigation and construction monitoring at several environmental sites. Santa has experience in the preparation of proposals, permit applications, geotechnical, and site investigation reporting. She has knowledge in geotechnical and environmental soils logging and analysis. Santa is also experienced in construction monitoring, air monitoring, soil vapor monitoring, and groundwater monitoring well installation and sampling.

RELEVANT PROJECT EXPERIENCE

TY-Lin, highway realignment environmental impact study, Buffalo, New York. Santa served as the assistant project manager and community coordinator on an environmental impact study and geotechnical investigation for a proposed highway relocation within the city of Buffalo. She coordinated the geotechnical investigation, analytical and geotechnical testing, as well as environmental monitoring and testing at boring locations within a NYSDEC Cleanup Program. Santa coordinated a test boring program on land and water and assisted field staff in characterizing subsurface conditions. She also served as the primary contact for communication with property owners, state regulatory representatives, and the client.

Confidential utility client, former MGP site environmental investigation, New York. Santa served as the project manager and coordinated routine environmental monitoring, including an annual groundwater event, monthly sub-slab check, and an annual site inspection to follow the site management plan. She facilitates the reporting for the annual project groundwater monitoring report and the periodic review report. Santa is the primary contact for the client, stakeholders, and state regulatory representatives.

Confidential client, former industrial property remedial measures, Leitchfield, Kentucky. Santa served as the project manager for a vacant industrial facility surrounded by a residential community under an Environmental Protection Agency Consent Order. She facilitated environmental investigations, including monitoring well installation, soil sampling, and routine groundwater sampling events. Santa also coordinated biannual residential indoor air sampling within citizens' homes and directly communicated with residents via phone and letter. She generated monthly progress reports and annual site investigation reporting. Santa was a primary contact for the client, residential community, consultants, and the U.S. Environmental Protection Agency.

Confidential client, brownfield cleanup, Southern Tier, Western New York. Santa served as the data and field task manager for a vacant industrial facility located Western New York. She coordinated field staff and subcontractors' on-site scope and managed incoming data from more than 400 sample locations. She reviewed ongoing sampling against multiple site analysis plans, comparing data to applicable NYSDEC criteria, and drove additional excavation and sampling based on preliminary data review.

Confidential Utility Client Former MGP Site Environmental Investigation, New York. Field geologist responsible for oversight of test borings for soil and bedrock characterization, groundwater monitoring well installations and soil sampling, and monitored large-scale excavation and disposal of soils at an active facility. Santa was also responsible for supervising contractors, Community Air Monitoring Program activities with direct reporting to regulators, and onsite regulator interaction.

Fort Calhoun, environmental reporting, Omaha, Nebraska. As a senior geologist, Santa assisted with research and reporting for an environmental report in connection with the decontamination and decommissioning of the Fort Calhoun nuclear power plant. This report provided current information and significant environmental changes associated with site-specific decommissioning and site closure activities.

Active Construction Site Soil Management and CAMP Monitoring, Corning, New York. As field geologist, Santa was responsible for oversight of excavated material, assist with proper segregation of fill material to be disposed, Community Air Monitoring Program activities with direct reporting to regulators, and onsite regulator interaction. Management of lab data analysis, assisted in report writing, participation at project meetings with client.

Confidential Utility Client Site Environmental Investigation, New York. As field geologist, Santa provided field support for groundwater sampling, manage field staff, and analytical data. She also prepared analytical results, site figures, and investigation reports.

Confidential Utility MGP Site Remediation, Pennsylvania. As field geologist, Santa provided oversight and environmental logging of soils during soft dig, test pits, Geoprobe, auger, and mud rotary activities, conducted groundwater sampling events per state, and site-specific requirements including low flow sampling, assisted in report writing.

Confidential Utility MGP Site Remediation, Pennsylvania. As field geologist, Santa provided health & safety oversight of construction subcontractors, oversight of excavation shoring activities, oversight for impacted and excavated materials and oversight CAMP monitoring during remedial construction activities.

Confidential Utility MGP Site Remediation, Pennsylvania. As field geologist, Santa preformed oversight and environmental logging of soils during soft dig, test pits, Geoprobe, auger activities, oversight of monitoring well, soil vapor point installation, conducted groundwater sampling events per state, and site-specific requirements including low flow sampling, conducted soil vapor and air monitoring investigations, health & safety oversight of construction subcontractors, oversight of site dewatering activities in preparation for remedial excavations, oversight of excavation shoring activities and removal of impacted materials, oversight CAMP monitoring during remedial construction activities.

Bluestone Gas Company 20" Natural Gas Pipeline, Binghamton, New York. As field geologist, Santa provided field support for geotechnical subsurface investigation at proposed natural gas pipeline crossings. Field support included drilling oversight, soil characterization, rock core characterization, and sampling.

Overhead Utility Relocation Project, Glouster City, New Jersey. As field geologist, Santa provided field support for geotechnical subsurface investigation at proposed overhead utility pole relocation sites. Field support included geotechnical drilling oversight, creating geotechnical boring logs, and sampling.

Tesoro Corporation – Portfolio Management Support, Auburn, Washington. As staff geologist, Santa assisted with portfolio management support of active retail and retained liability sites contaminated with gasoline constituents.

Facilitate and support in purchase order and invoice inventory for auditing purposes, Monte Carlo analysis, portfolio risk assessments, and acquisition management.

Confidential Utility Client Site Environmental Investigation, Central Pennsylvania. As staff geologist and data manager, Santa provided all data management responsibilities during investigation phase. She developed a knowledge of PADEP's Act 2 standards and assisted with writing several site investigation reports including the Final Act 2 Report which was approved by the PADEP within 90 days of submittal. Additionally, Santa provided support for field staff with coordinating day to day tasks and laboratory supplies, and sample analysis.

Confidential Client Brownfield Cleanup Project, Henrietta, New York. As staff geologist and data manager, Santa was responsible for all data management during investigation and remediation phases. She developed a knowledge of NYSDEC DER-10 standards and assisted with writing several site investigation reporting including the Final Engineering Report and Site Management Plan. Additionally, Santa provided support for field staff with coordinating day to day tasks and laboratory supplies, and sample analysis, client meetings, waste disposal coordination.

APPENDIX E
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

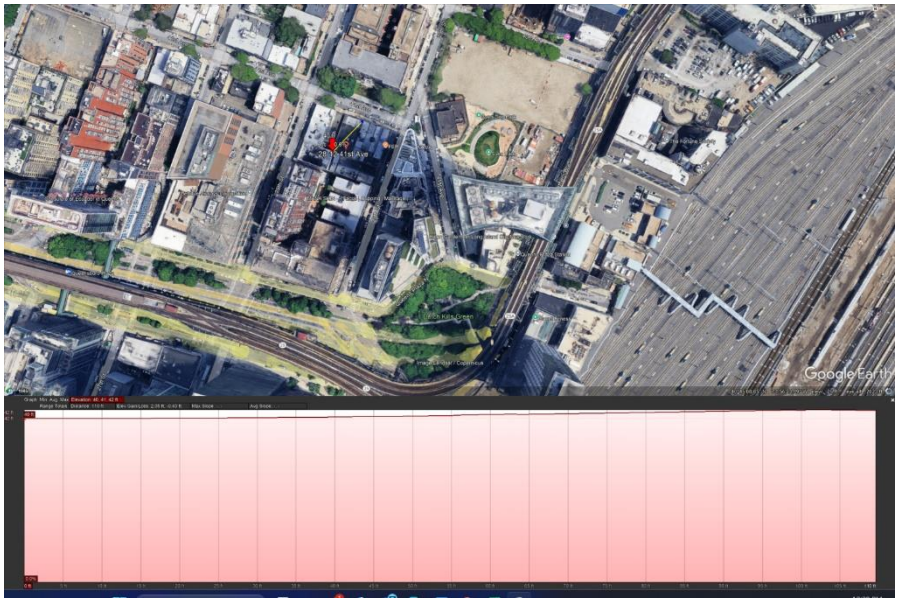
Target analyte peaks should be integrated properly and consistently when compared to standards. Ensure branched isomer peaks are included for PFAS where standards are available. Inconsistencies should be brought to the attention of the laboratory or identified in the data review summary report.

APPENDIX F
Climate Screening Checklist

Climate Screening Checklist

Background Information

- Project Manager: Luke J. McCartney, P.G.
- Site Name: TBD (the "Site")
- Site Number: Pending
- Site Location: 28-12 41st Avenue, Long Island City, New York
- Site Elevation (average above sea level): Approximately 31 feet above sea level (July 2025 NYC OER RI)



- ClimAID Region (Responding Climate Change in New York State (ClimAID) - NYSERDA): Region 4 – New York City and Long Island



- Remedial Stage/Site Classification: Investigation.
- Contamination - Media Impacted/ Contaminants of Concern: Semi-volatile organic compounds (SVOCs) specifically polycyclic aromatic hydrocarbons (PAHs), one pesticide, metals including lead, and emerging contaminants in soil; SVOCs, metals, and emerging contaminants in groundwater; and chlorinated VOCs (CVOCs) and petroleum-related VOCs (benzene, toluene, ethylbenzene, and xylenes [BTEX]) in soil vapor.
- Proposed/Current Remedy: The remedy will be proposed on the completion of the pending Remedial Investigation (RI) when the extent of environmental impacts at the Site is determined. to evaluate remedial alternatives, as required.
- What is the predicted timeframe of the remedy? Will components of the remedy still be in place in 10+ years? The predicated timeframe is unknown as environmental impacts at the Site are undetermined.
- Is the site in proximity to any sensitive receptors? (e.g., wetlands, waterbodies, residential properties, hospitals, schools, drinking water supplies, etc.) There are five sensitive receptors within a 500-ft radius of the Site: Gotham Tech High School (Q417) located at 28-02 41st Avenue, ATLAS High School located at 28-01 41st Avenue, Sven Park located at 29-59 Northern Blvd, Q575 Academy of American Studies located at 40-02 29th Street, and the Dutch Kills Green located Queens Plaza, Queensboro Bridge Greenway, Long Island City, New York 11101.

Is the site in a disadvantaged community (DAC) or potential environmental justice area (PEJA) (Use DECinfolocator: DECinfo Locator (ny.gov))?

X Yes ☐ No



If the site is in a DAC or PEJA, will climate impacts be magnified? If yes, list how and why.

☐ Yes X No

Should thresholds of concern be lowered to account for magnification of impacts? If yes, indicate how lower thresholds will be used in the screening.

☐ Yes X No

Climate Screening Table*

Potential Climate Hazards	**Relevant to the Site Location** (Y/N/NA)[1]	**Projected Change** (Resilience Analysis and Planning Tool (RAPT)/arcgis.com[3]	**Potential to Impact Remedy** (Y/N)	**Is remedy/site already resilient?** (Y/N)[4]
Precipitation	N	N/A	N/A	N/A
Temperature[2] (Extreme Heat or Cold Weather Impacts)	Y	Y (Resilience Analysis and Planning Tool-RAPT)	Y	Future remedy will evaluate
Sea Level Rise	N	N/A (NOAA Relative Sea Level Trends	N/A	N/A
Flooding	N	N/A (FEMA FloodMapper)	N/A	N/A
Storm Surge	N	N/A (NWS Storm Surge Hazard Map)	N/A	N/A
Wildfire	N	N/A (NYSDEC Fire Danger Map)	N/A	N/A
Drought	N	N/A (NYSDEC Drought Condition Map)	N/A	N/A
Storm Severity	Y	N/A (Resilience Analysis and Planning Tool-RAPT)	Y	Future remedy will evaluate
Landslides	N	N/A	N/A	N/A
Other Hazards:	N/A	N/A	N/A	N/A

* Links to potential data sources can be found on the following page

[1] If the first column is N --> The rest of the columns will be N/A, the hazard is not applicable to the site.

[2] Extreme Heat: periods of three or more days above 90°F- Extreme Cold: Individual days with minimum temperatures at or below 0 degrees F (NYSERDA ClimAID report)

[3] List the projected change in specific terms or units e.g. inches of rainfall, feet of sea level rise, etc.

[4] If final column is Y, provide reasoning, if the final column is N --> Climate Vulnerability Assessment (CVA) required.

Required Next Steps (If no further action is required, provide justification):

Conduct severe weather storm inspections during the active remedy. Inspect dewatering systems prior to anticipated storm events that could result in a power outage, and after storm events.

Potential Data Sources (not an exhaustive list)- from Superfund Climate Resilience: Vulnerability Assessment | US EPA

NYSERDA ClimAID report- Responding Climate Change in New York State (ClimAID) - NYSERDA

FEMA- National Flood Hazard Layer | FEMA.gov

NOAA- National Storm Surge Risk Maps - Version 3 (noaa.gov)

Department of Agriculture Forest Service Wildfire Risk to Communities

EPA Climate Change Indicators in the United States

EPA Climate Resilience Evaluation & Awareness Tool (CREAT) | U.S. Climate Resilience Toolkit

EPA National Stormwater Calculator

National Integrated Drought Information System U.S. Drought Portal

National Interagency Coordination Center National Interagency Fire Center

National Oceanic and Atmospheric Administration Coastal Services Digital Coast

- Resources to help communities assess coastal hazards, such as the Sea Level Rise Viewer for visualizing community-level impacts of flooding or sea level rise and downloadable LIDAR data

National Oceanic and Atmospheric Administration National Centers for Environmental Information website

National Oceanic and Atmospheric Administration Sea Level Trends

National Weather Service Climate Prediction Center

National Weather Service National Hurricane Center

National Weather Service Sea, Lake, and Overland Surges from Hurricanes (SLOSH)

National Weather Service Storm Surge Hazard Maps

U.S. Federal Government Climate Resilience Toolkit: The Climate Explorer

U.S. Army Corps of Engineers Climate Preparedness and Resilience

U.S. Geological Survey Coastal Change Hazards Portal

U.S. Geological Survey Landslide Hazards Program

U.S. Geological Survey National Ground-water Monitoring Network Data Portal

U.S. Geological Survey National Climate Change Viewer

U.S. Geological Survey National Water Dashboard

U.S. Geological Survey StreamStats

NYS Department of State- Assess | Department of State (ny.gov)

NYSERDA NY Costal Floodplain Mapper- Home Page (ny.gov)

NYSDEC Coastal Erosion Hazards- Coastal Areas Regulated By The CEHA Permit Program - NYDEC

NYSDOH Heat Index- health.ny.gov/environmental/weather/vulnerability_index/county_maps.htm

APPENDIX G
Green Sustainable Remediation Documentation

H & A OF NEW YORK ENGINEERING
AND GEOLOGY, LLP
213 W. 35th Street
7th Floor
New York, NY 10001
646.277.5685

October 9, 2025
File No. 0214373

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, NY 12233-7014

Subject: Remedial Investigation Work Plan
Site Name - TBD
28-12 41st Avenue
Long Island City, New York
BCP Site No. Pending

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) presents the following environmental footprint analysis in accordance with U.S. Environmental Protection Agency (EPA) 542-R-12-002 for the proposed Remedial Investigation (RI) of the above-referenced site located at 28-12 41st Avenue, Long Island City, New York (Site).

28-12 41ST AVENUE – INVESTIGATION

The RI is anticipated to result in estimated totals of:

- 64.72 metric million British thermal units (MMBtus) of energy used;
- 4.40 tons of total greenhouse gas emissions (CO2e);
- 286.47 pounds (lbs) of NOx + SOx +PM emissions; and,
- 17.61 lbs of Hazardous Air Pollutants (HAP) emissions.

Energy

- 9.04 MMbtus used for on-site activities, such as well development and air monitoring.
- 0.06 MMbtus used for Grid Electricity Generation.
- 16.31 MMbtus used for transportation of personnel and investigation materials.
- 39.31 MMbtus used for off-site activities.

Greenhouse Gas Emissions (CO2e)

- 0.66 tons of CO2e produced from on-site activities, such as drilling and selective demolition.
- 0.00 tons of CO2e produced from Grid Electricity Generation.
- 1.19 tons of CO2e produced from transportation of contractors, personnel, and investigation materials.
- 2.14 tons of CO2e produced from off-site activities.

Water Usage

- 104 gallons of water are estimated to be used during the investigation.

Overall, the estimated environmental footprint of the RI is dominated by off-site activities, which includes off-site laboratory analysis. Transportation of personnel, equipment, and materials are the next largest contributor to the environmental footprint of the RI with an anticipated generation of 1.19 tons of CO2e and use 16 MMbtus of energy. Off-site energy use is anticipated to comprise of 60.74% of all energy use and off-site greenhouse gas emissions to comprise 53.47% of all emissions for the investigation. All estimations are subject to change; totals are expected to fluctuate in the event of complications with drilling or due to unanticipated equipment use to facilitate work and safety of personnel. Additionally, the destination of investigation derived waste cannot be confirmed until representative samples are reviewed by potential disposal facilities and export is approved.

Sincerely yours,
H & A OF NEW YORK ENGINEERING AND GEOLOGY, LLP



Luke J. McCartney, P.G.
Senior Project Manager



James M. Bellew
Principal

Environmental Footprint Summary

Core Element	Metric		Unit of Measure	Footprint						
				Proposed Remedial Investigation						Total
Materials & Waste	M&W-1	Refined materials used on-site	Tons	1.4	0.0	0.0	0.0	0.0	0.0	1.4
	M&W-2	% of refined materials from recycled or reused material	%	0.0%						0.0%
	M&W-3	Unrefined materials used on-site	Tons	0.000	0.000	0.000	0.000	0.000	0.000	0.0
	M&W-4	% of unrefined materials from recycled or reused material	%							
	M&W-5	On-site hazardous waste disposed of off-site	Tons	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M&W-6	On-site non-hazardous waste disposed of off-site	Tons	4.7	0.0	0.0	0.0	0.0	0.0	4.7
	M&W-7	Recycled or reused waste	Tons	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M&W-8	% of total potential waste recycled or reused	%	0.0%						0.0%
Water (used on-site)	W-1	Public water use	MG	0.00010	0.0	0.0	0.0	0.0	0.0	0.0001
	W-2	Groundwater use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-3	Surface water use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-4	Reclaimed water use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-5	Storm water use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-6	User-defined water resource #1	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-7	User-defined water resource #2	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-8	Wastewater generated	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Energy	E-1	Total energy used (on-site and off-site)	MMBtu	64.7	0.0	0.0	0.0	0.0	0.0	64.7
	E-2	Energy voluntarily derived from renewable resources								
	E-2A	On-site renewable energy generation or use + on-site biodiesel use + biodiesel and other renewable resource use for transportation	MMBtu	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	E-2B	Voluntary purchase of renewable electricity	MWh	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	E-3	Voluntary purchase of RECs	MWh	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	E-4	On-site grid electricity use	MWh	0.009	0.000	0.000	0.000	0.000	0.000	0.0
Air	A-1	On-site NOx, SOx, and PM emissions	Pounds	11.6	0.0	0.0	0.0	0.0	0.0	11.6
	A-2	On-site HAP emissions	Pounds	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	A-3	Total NOx, SOx, and PM emissions	Pounds	286.5	0.0	0.0	0.0	0.0	0.0	286.5
	A-3A	Total NOx emissions	Pounds	98.6	0.0	0.0	0.0	0.0	0.0	98.6
	A-3B	Total SOx emissions	Pounds	161.1	0.0	0.0	0.0	0.0	0.0	161.1
	A-3C	Total PM emissions	Pounds	26.7	0.0	0.0	0.0	0.0	0.0	26.7
	A-4	Total HAP emissions	Pounds	17.6	0.0	0.0	0.0	0.0	0.0	17.6
	A-5	Total greenhouse gas emissions	Tons CO2e*	4.4	0.0	0.0	0.0	0.0	0.0	4.4
Land & Ecosystems	Qualitative Description									

** Total greenhouse gases emissions (in CO2e) include consideration of CO2, CH4, and N2O (Nitrous oxide) emissions.*
"MMBtu" = millions of Btus
"MG" = millions of gallons
"CO2e" = carbon dioxide equivalents of global warming potential
"MWh" = megawatt hours (i.e., thousands of kilowatt-hours or millions of Watt-hours)
"Tons" = short tons (2,000 pounds)

The above metrics are consistent with EPA's Methodology for Understanding and Reducing a Project's Environmental Footprint (EPA 542-R-12-002), February 2012

Notes:

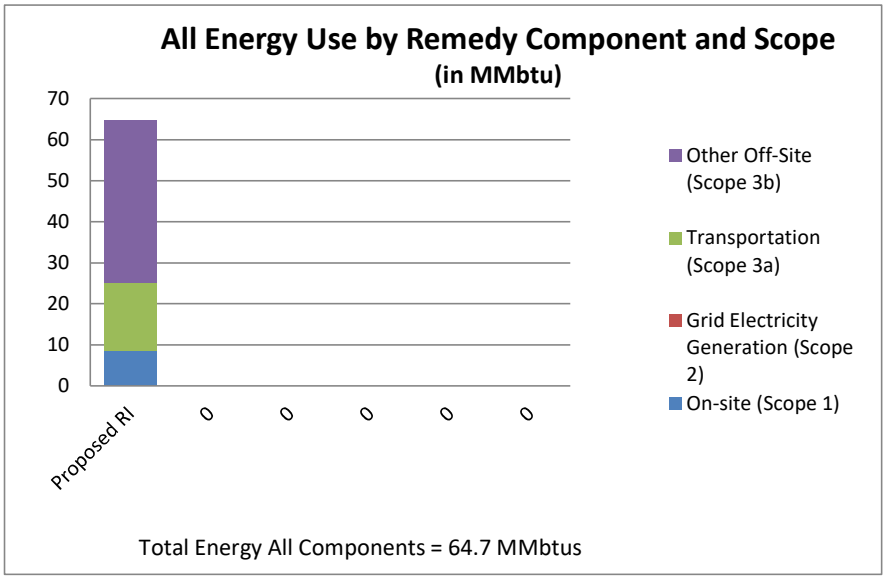
All - Energy & Air Compiled Results

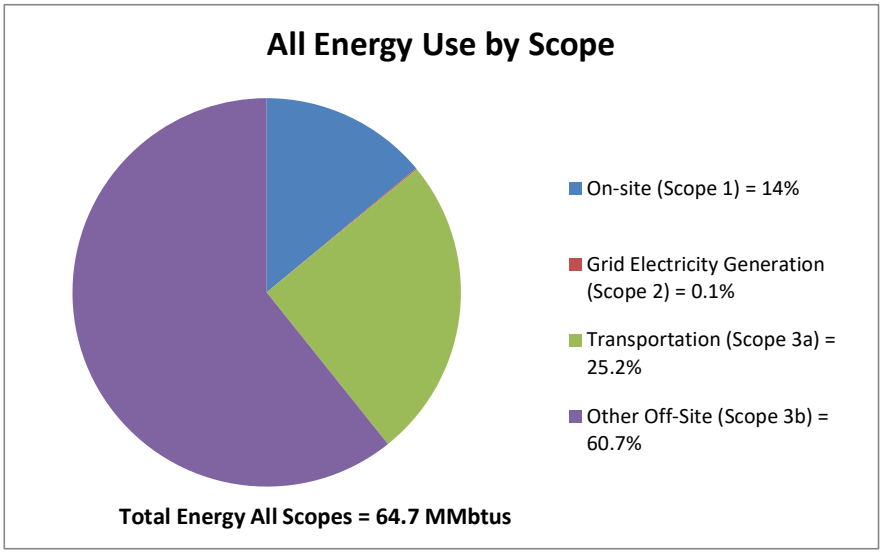
Category	Total Energy	GHG	NOx	SOx	PM	NOx + SOx + PM	HAPs
	MMbtus	lbs CO2e	lbs	lbs	lbs	lbs	lbs
On-site (Scope 1)	**9**	**1,458**	**11**	**0**	**0**	**12**	**0**
Grid Electricity Generation (Scope 2)	**0.059**	**9**	**0**	**0**	**0**	**0**	**0**
Transportation (Scope 3a)	**16**	**2,633**	**17**	**1**	**0**	**18**	**0**
Other Off-Site (Scope 3b)	**39**	**4,709**	**71**	**160**	**26**	**257**	**17**
Remedy Totals	**65**	**8,809**	**99**	**161**	**27**	**286**	**18**

Values that are forwarded to the "Summary" tab are indicated in orange.

Voluntary Renewable Energy Use	Unit	Quantity	
On-site renewable energy generation or use	MMBtu	**0**	
On-site biodiesel use	MMBtu	**0**	
Biodiesel and other renewable resource use for transportation	MMBtu	**0**	
On-site renewable energy generation or use + on-site biodiesel use + biodiesel and other renewable resource use for transportation	MMBtu	**0**	*(This value is the sum of the three rows above)*
Voluntary purchase of renewable electricity	MWh	**0**	
Voluntary purchase of RECs	MWh	**0**	

This worksheet is not intended for user input. Values on this worksheet are obtained from the following file: SEFA_calculations_(121718).xlsx


All Energy Use by Remedy Component and Scope
(in MMbtu)
70
60
50
40
30
20
10
0
Proposed RI
0
0
0
0
0
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
Total Energy All Components = 64.7 MMbtus

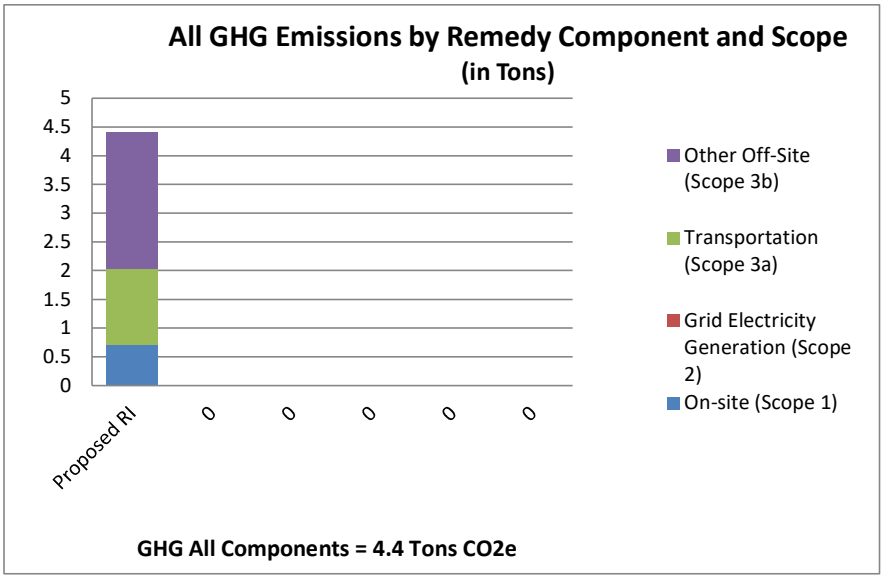

All Energy Use by Scope
On-site (Scope 1) = 14%
Grid Electricity Generation (Scope 2) = 0.1%
Transportation (Scope 3a) = 25.2%
Other Off-Site (Scope 3b) = 60.7%
Total Energy All Scopes = 64.7 MMbtus

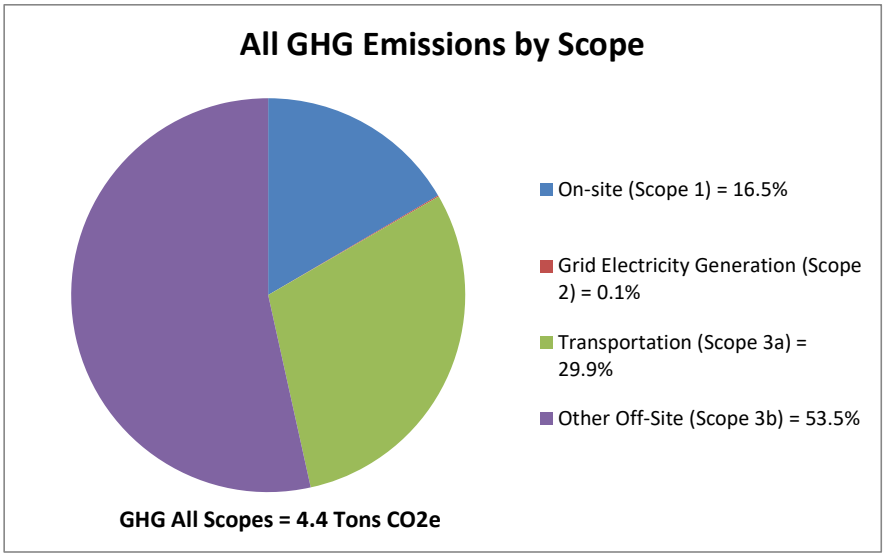
Total Energy MMbtus							
	Proposed F	0	0	0	0	0	Total
On-site (Scope 1)	9.0	0.0	0.0	0.0	0.0	0.0	9.0
Grid Electricity Generation (Scope 2)	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Transportation (Scope 3a)	16.3	0.0	0.0	0.0	0.0	0.0	16.3
Other Off-Site (Scope 3b)	39.3	0.0	0.0	0.0	0.0	0.0	39.3
Total	64.7	0.0	0.0	0.0	0.0	0.0	64.7

Proposed RI = 100%
0 = 0%
0 = 0%
0 = 0%
0 = 0%
0 = 0%

On-site (Scope 1) = 14%
Grid Electricity Generation (Scope 2) = 0.1%
Transportation (Scope 3a) = 25.2%
Other Off-Site (Scope 3b) = 60.7%

Total Energy All Components = 64.7 MMbtus
Total Energy All Scopes = 64.7 MMbtus


All GHG Emissions by Remedy Component and Scope
(in Tons)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Proposed RI
0
0
0
0
0
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
GHG All Components = 4.4 Tons CO2e

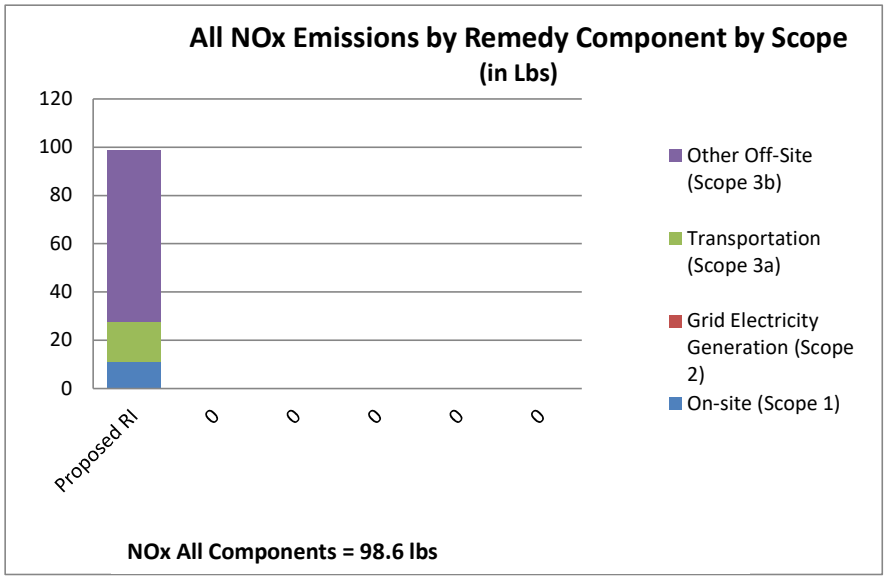

All GHG Emissions by Scope
On-site (Scope 1) = 16.5%
Grid Electricity Generation (Scope 2) = 0.1%
Transportation (Scope 3a) = 29.9%
Other Off-Site (Scope 3b) = 53.5%
GHG All Scopes = 4.4 Tons CO2e

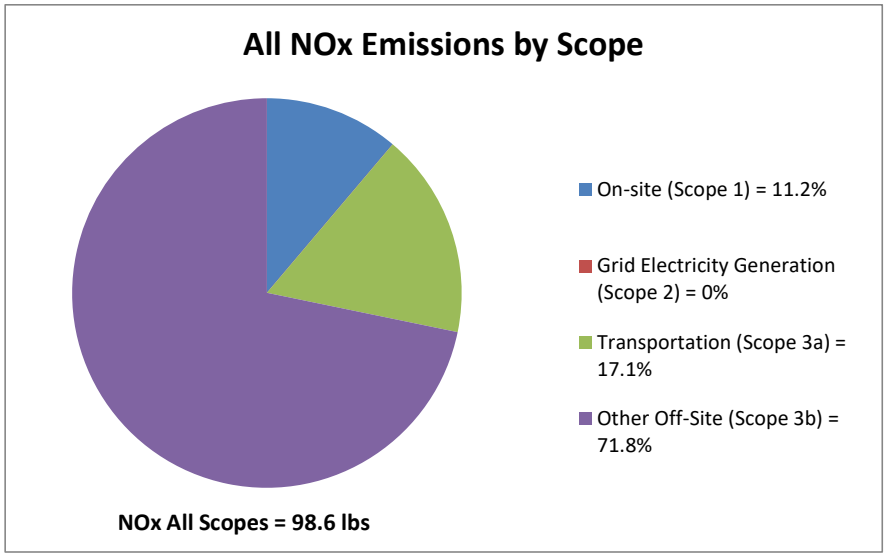
GHG Tons CO2e	Proposed F	0	0	0	0	0	Total
On-site (Scope 1)	0.7	0.0	0.0	0.0	0.0	0.0	0.7
Grid Electricity Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Transportation (Scope 3a)	1.3	0.0	0.0	0.0	0.0	0.0	1.3
Other Off-Site (Scope 3b)	2.4	0.0	0.0	0.0	0.0	0.0	2.4
Total	4.4	0.0	0.0	0.0	0.0	0.0	4.4

Proposed RI = 100%
0 = 0%
0 = 0%
0 = 0%
0 = 0%
0 = 0%

On-site (Scope 1) = 16.5%
Grid Electricity Generation (Scope 2) = 0.1%
Transportation (Scope 3a) = 29.9%
Other Off-Site (Scope 3b) = 53.5%

GHG All Components = 4.4 Tons CO2e
GHG All Scopes = 4.4 Tons CO2e


All NOx Emissions by Remedy Component by Scope
(in Lbs)
120
100
80
60
40
20
0
Proposed RI
0
0
0
0
0
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
NOx All Components = 98.6 lbs

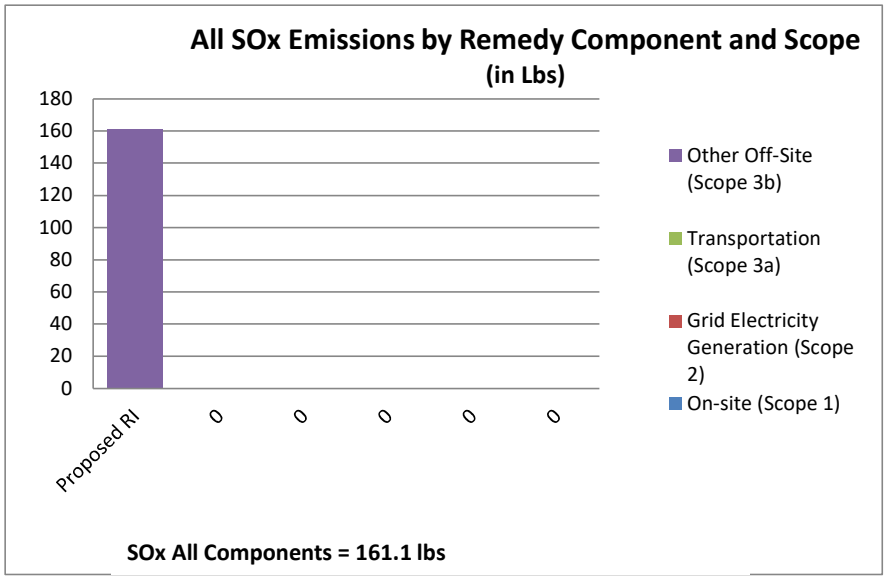

All NOx Emissions by Scope
On-site (Scope 1) = 11.2%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 17.1%
Other Off-Site (Scope 3b) = 71.8%
NOx All Scopes = 98.6 lbs

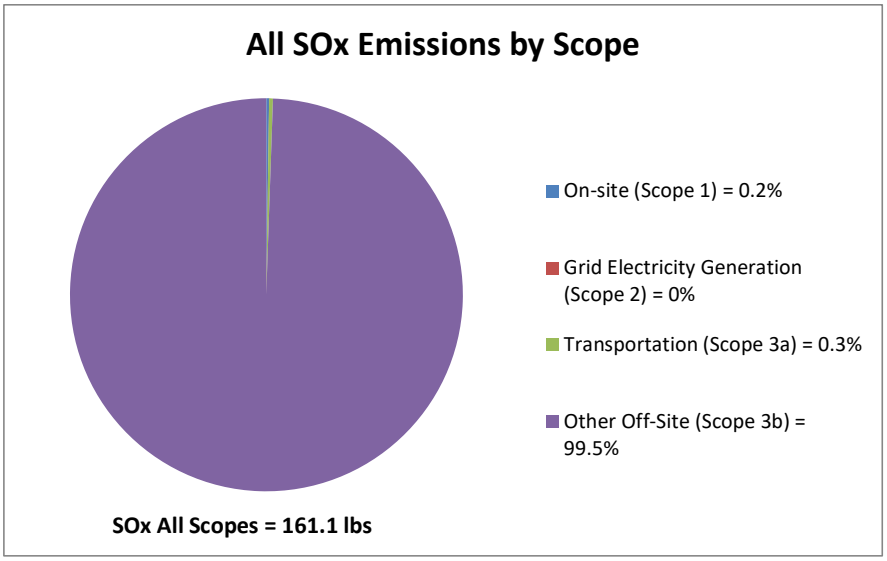
NOx lbs							
	Proposed F	0	0	0	0	0	Total
On-site (Scope 1)	11.0	0.0	0.0	0.0	0.0	0.0	11.0
Grid Electricity Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Transportation (Scope 3a)	16.8	0.0	0.0	0.0	0.0	0.0	16.8
Other Off-Site (Scope 3b)	70.8	0.0	0.0	0.0	0.0	0.0	70.8
Total	98.6	0.0	0.0	0.0	0.0	0.0	98.6

Proposed RI = 100%
0 = 0%
0 = 0%
0 = 0%
0 = 0%
0 = 0%

NOx All Components = 98.6 lbs
NOx All Scopes = 98.6 lbs

On-site (Scope 1) = 11.2%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 17.1%
Other Off-Site (Scope 3b) = 71.8%


All SOx Emissions by Remedy Component and Scope
(in Lbs)
180
160
140
120
100
80
60
40
20
0
Proposed RI
0
0
0
0
0
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
SOx All Components = 161.1 lbs

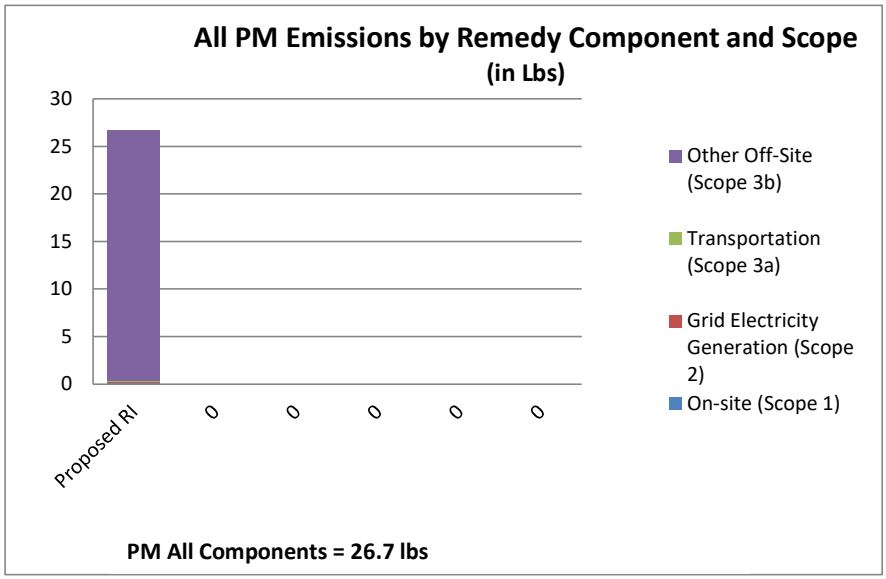

All SOx Emissions by Scope
On-site (Scope 1) = 0.2%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 0.3%
Other Off-Site (Scope 3b) = 99.5%
SOx All Scopes = 161.1 lbs

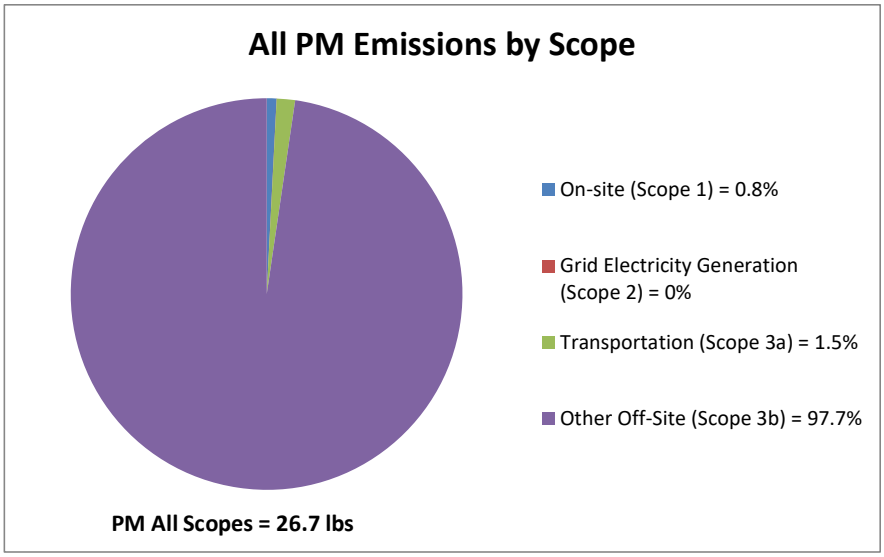
SOx lbs							
	Proposed F	0	0	0	0	0	Total
On-site (Scope 1)	0.3	0.0	0.0	0.0	0.0	0.0	0.3
Grid Electricity Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Transportation (Scope 3a)	0.5	0.0	0.0	0.0	0.0	0.0	0.5
Other Off-Site (Scope 3b)	160.3	0.0	0.0	0.0	0.0	0.0	160.3
Total	161.1	0.0	0.0	0.0	0.0	0.0	161.1

Proposed RI = 100%
0 = 0%
0 = 0%
0 = 0%
0 = 0%
0 = 0%

SOx All Components = 161.1 lbs
SOx All Scopes = 161.1 lbs

On-site (Scope 1) = 0.2%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 0.3%
Other Off-Site (Scope 3b) = 99.5%


All PM Emissions by Remedy Component and Scope
(in Lbs)
30
25
20
15
10
5
0
Proposed RI
0
0
0
0
0
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
PM All Components = 26.7 lbs

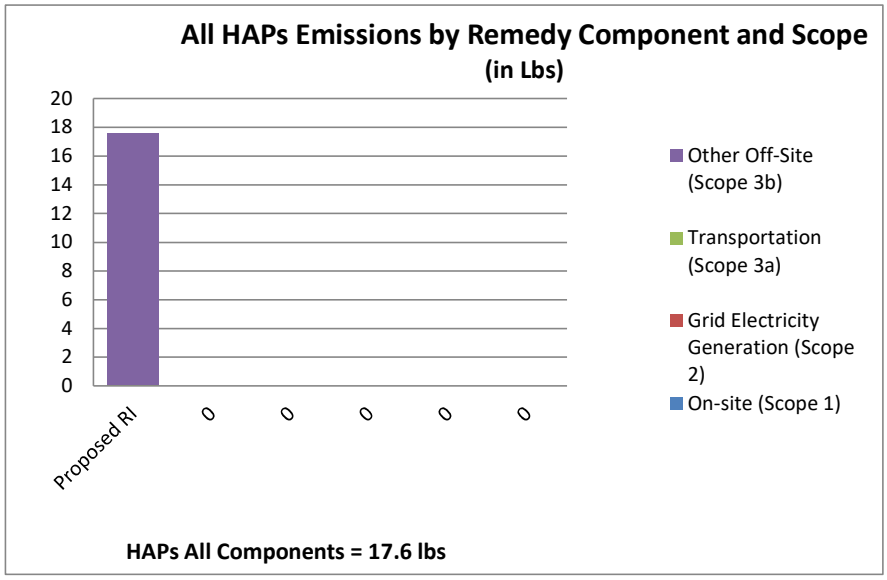

All PM Emissions by Scope
On-site (Scope 1) = 0.8%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 1.5%
Other Off-Site (Scope 3b) = 97.7%
PM All Scopes = 26.7 lbs

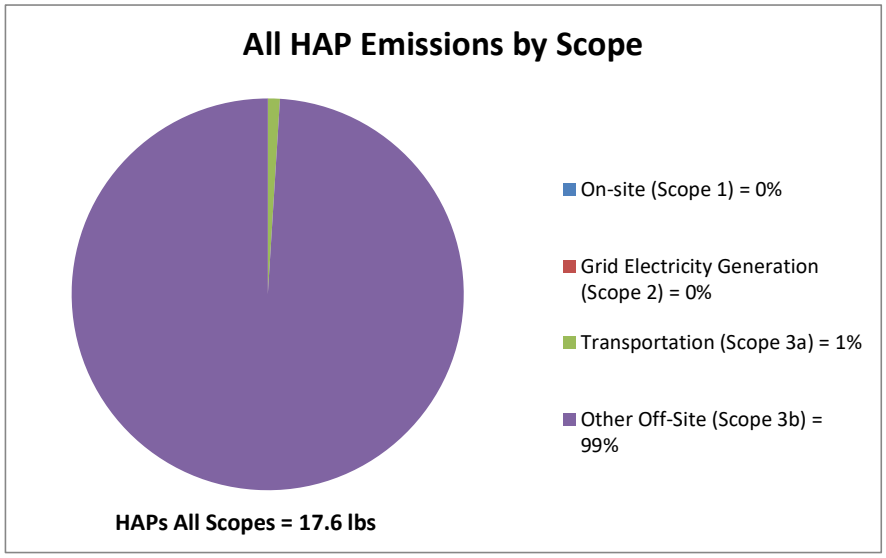
PM lbs							
	Proposed F	0	0	0	0	0	Total
On-site (Scope 1)	0.2	0.0	0.0	0.0	0.0	0.0	0.2
Grid Electricity Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Transportation (Scope 3a)	0.4	0.0	0.0	0.0	0.0	0.0	0.4
Other Off-Site (Scope 3b)	26.1	0.0	0.0	0.0	0.0	0.0	26.1
Total	26.7	0.0	0.0	0.0	0.0	0.0	26.7

Proposed RI = 100%
0 = 0%
0 = 0%
0 = 0%
0 = 0%
0 = 0%

PM All Components = 26.7 lbs
PM All Scopes = 26.7 lbs

On-site (Scope 1) = 0.8%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 1.5%
Other Off-Site (Scope 3b) = 97.7%


All HAPs Emissions by Remedy Component and Scope
(in Lbs)
20
18
16
14
12
10
8
6
4
2
0
Proposed RI
0
0
0
0
0
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
HAPs All Components = 17.6 lbs


All HAP Emissions by Scope
On-site (Scope 1) = 0%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 1%
Other Off-Site (Scope 3b) = 99%
HAPs All Scopes = 17.6 lbs

HAPs lbs							
	Proposed F	0	0	0	0	0	Total
On-site (Scope 1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grid Electricity Generation (Scope 2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Transportation (Scope 3a)	0.2	0.0	0.0	0.0	0.0	0.0	0.2
Other Off-Site (Scope 3b)	17.4	0.0	0.0	0.0	0.0	0.0	17.4
Total	17.6	0.0	0.0	0.0	0.0	0.0	17.6

Proposed RI = 100%
0 = 0%
0 = 0%
0 = 0%
0 = 0%
0 = 0%

HAPs All Components = 17.6 lbs
HAPs All Scopes = 17.6 lbs

On-site (Scope 1) = 0%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 1%
Other Off-Site (Scope 3b) = 99%

Appendix H
Health and Safety Plan

HALEY & ALDRICH, INC.
SITE-SPECIFIC SAFETY PLAN

FOR

28-12 41st Ave Development

Long Island City, New York

Project/File No. 0214374

Gensuite EZ Scan®
BI - Developers

Prepared By: Luke J. McCartney, P.G.	**Date: 10/7/2025**
Approvals: The following signatures constitute approval of this Health & Safety Plan.	
	
Field Safety Manager: Luke J. McCartney, P.G.	**Date: 10/7/2025**
	
Project Manager: Luke J. McCartney, P.G.	**Date: 10/7/2025**
HASP Valid Through: 12/31/2025	

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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.

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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.

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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.

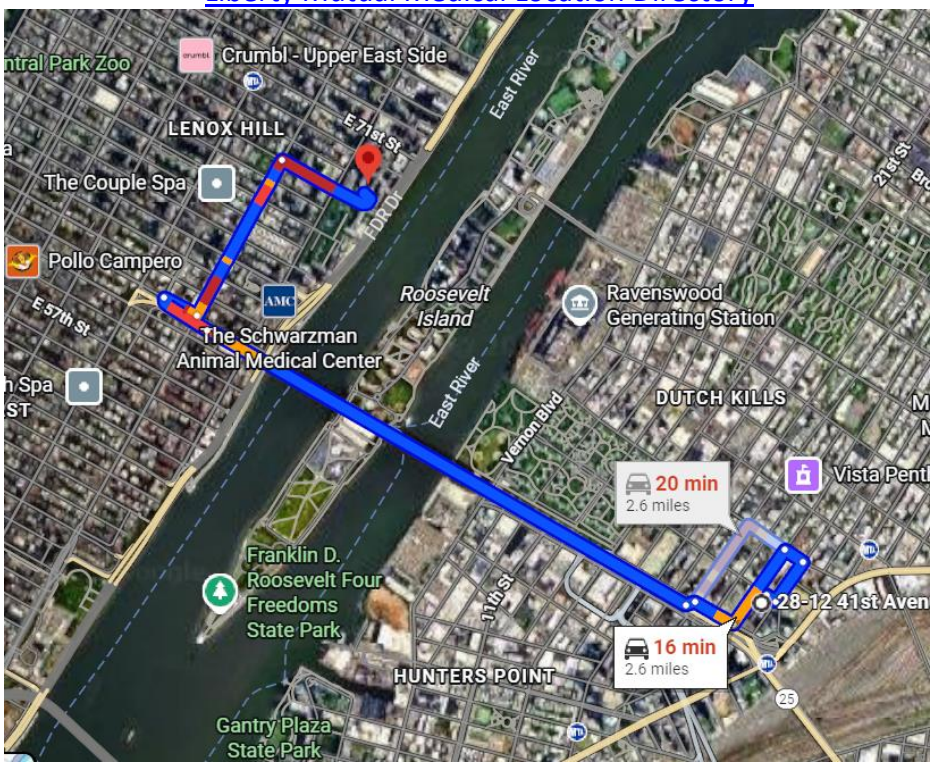
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PROJECT INFORMATION AND CONTACTS	
Project Name: 28-12 41st Ave Development	**Haley & Aldrich File No.:** 0214374
Location: 860 Flushing Ave, Brooklyn, New York	
Client/Site Contact: Phone Number:	Aditya Shah 718-872-8400
Haley & Aldrich Field Representative: Phone Number: Emergency Phone Number:	Joseph Matro 914-960-5599 914-960-5599
Haley & Aldrich Project Manager: Phone Number: Emergency Phone Number:	**Luke J. McCartney, P.G.** 551-655-7720 201-341-3722
Field Safety Manager: Phone Number: Emergency Phone Number:	Brian Ferguson 617- 886-7439 617- 908-2761
Subcontractor Project Manager: Phone Number: **Subcontractor Project Manager:** Phone Number:	Tim Kelly – Lakewood 631-524-6327 Levent Eskicakit 347-556-7787
Nearest Hospital: Address: (see map on next page) Phone Number:	New York – Presbyterian/Weill Cornell Medical Center 525 E 68th Street, New York, NY 10065 212-746-5026
Nearest Occ. Health Clinic: http://www.talispoint.com/liberty/ext/ Address: (see map on next page) Phone Number:	**CALL WORKCARE**
Liberty Mutual Claim Policy	**WC6-Z11-254100-035**
WORKCARE Injury & 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:	N/A N/A

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DIRECTIONS TO THE NEAREST HOSPITAL

Liberty Mutual Medical Location Directory



Directions to the Nearest Hospital:

16 min (2.6 miles)

via Ed Koch Queensboro Bridge Lower Roadway

Fastest route now due to traffic conditions

⚠ This route has tolls.

28-12 41st Ave
Long Island City, NY 11101

- Take 29th St and 28th St to Bridge Plaza N/Queens Plaza N
  3 min (0.4 mi)
- Take Ed Koch Queensboro Bridge Lower Roadway and 1st Ave to E 68th St in Manhattan
  7 min (2.0 mi)
- Turn right onto E 68th St
  Destination will be on the right
  3 min (0.2 mi)

NewYork-Presbyterian/Weill Cornell Medical Center
525 E 68th St, New York, NY 10065

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DIRECTIONS TO THE NEAREST URGENT CARE

Liberty Mutual Medical Location Directory

Directions to the Nearest Occupational Clinic:

CALL WORKCARE INJURY & ILLNESS HOTLINE: 1-888-449-7787

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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:

Work task will include: The proposed scope of work includes a Remedial Investigation with the intention to evaluate environmental conditions for remedy planning at a vacant warehouse. Ten soil borings, five monitoring wells, and seven soil vapor points are proposed. Personnel will also complete a site reconnaissance walk-through.

Project Task Breakdown

Task No.	Task Description	Employee(s) Assigned	Work Date(s) or Duration
1	Site Walk - Complete site walk to mark boring locations, inspect site, and complete work.	Joseph Mastro	2 days
2	Underground Utility Clearance – Oversee GPR survey to be conducted by NOVA Geophysical Services (NOVA) to clear boring locations and identify underground utilities, tanks, or other anomalies.	Joseph Mastro	2 days
3	Drilling - Oversee installation of soil borings, monitoring wells, and soil vapor points by Lakewood Environmental Services Corp. using a Geoprobe drilling rig.	Joseph Mastro	1 week
4	Soil, Groundwater and Soil Vapor Sampling - Collect soil and soil vapor samples into laboratory provided containers. Collect groundwater sample from pump and water quality meter assembly into laboratory provided containers.	Joseph Mastro	1 week

Subcontractor(s) Tasks

Firm Name	Work Activity	Work Date(s) or Duration
Lakewood Environmental Services Corp.	Drilling- Soil cores, monitoring well installation, and soil vapor point installation.	1 week

Projected Start Date: 10/14/2025

Projected Completion Date: 10/30/2025

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2. SITE OVERVIEW / DESCRIPTION

Site Classification

Industrial & Manufacturing

Site Description

The Site, located in the Long Island City neighborhood of Queens, is identified as Block 417 Lot 20 on the New York City tax map. The Site is approximately 5,000 square feet (sq ft) (0.11 acres) and is currently improved with a one-story, slab-on-grade warehouse used for parking and storage. The Site has been assigned an E-designation (E-104, CEQR 00DCP055Q) for hazardous materials as part of the Long Island City District rezoning.

Background and Historic Site Usage

Historical operations have included a laundry facility with the operation of two oil storage tanks (installed in 2007), metal works as early as 1971, and auto repair.

Site Status

Indicate current activity status and describe operations at the site:

Inactive

Vacant warehouse

Site Plan

Is a site plan or sketch available? Yes

Work Areas

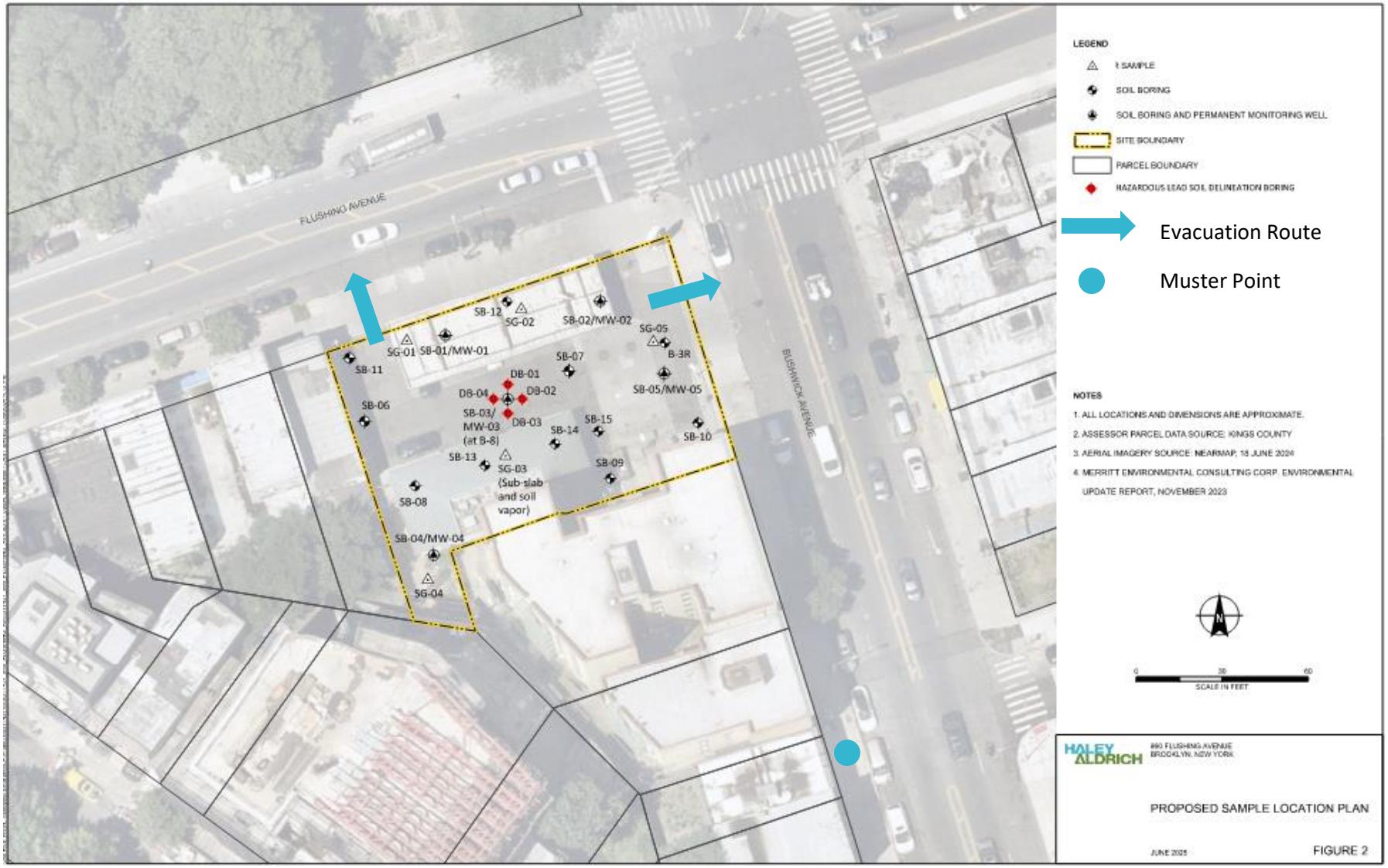
List and identify each specific work areas(s) on the job site and indicate its location(s) on the site plan:

The entire Site will be utilized as an active work area.

Soil, monitoring well, and soil vapor point locations as shown.

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Site Plan



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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
Benzo(b)fluoranthene	**Soil**	**1.4**	**mg/kg**
Indeno(1,2,3-cd)pyrene	**Soil**	**0.68**	**mg/kg**
Lead	**Soil**	**85**	**mg/kg**
Organochlorine Pesticides	**Soil**	**0.0071 J**	**mg/kg**
Arsenic	**Groundwater**	**133**	**ug/L**
Barium	**Groundwater**	**4,410**	**ug/L**
Cadmium	**Groundwater**	**9.1**	**ug/L**
Chromium	**Groundwater**	**1,090**	**ug/L**
Copper	**Groundwater**	**1,970**	**ug/L**
Iron	**Groundwater**	**986,000**	**ug/L**
Lead	**Groundwater**	**1,740**	**ug/L**
Manganese	**Groundwater**	**27,400**	**ug/L**
Nickel	**Groundwater**	**1,300**	**ug/L**
Sodium	**Groundwater**	**51,900**	**ug/L**
Benzo(a)pyrene	**Groundwater**	**0.59 J**	**ug/L**
Perfluorooctanesulfonic acid (PFOS)	**Groundwater**	**28.2**	**ng/L**
Perfluorooctanoic acid (PFOA)	**Groundwater**	**33.5**	**ng/L**

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SUM of BTEX	**Soil Vapor**	**471.5**	**ug/m3**
SUM of VOCs	**Soil Vapor**	**12,748**	**ug/m3**
SUM of CVOCs	**Soil Vapor**	**11,610**	**ug/m3**
Tetrachloroethylene	**Soil Vapor**	**11,500 E**	**ug/m3**
Trichloroethylene	**Soil Vapor**	**95.7**	**ug/m3**
Ethylbenzene	**Soil Vapor**	**64.2**	**ug/m3**
Xylenes	**Soil Vapor (m,p-xylene)**	**291**	**ug/m3**
Xylenes	**Soil Vapor (o-xylene)**	**95.1**	**ug/m3**

Polycyclic aromatic hydrocarbons (PAHs): are a class of chemicals that occur naturally in coal, crude oil, and gasoline. They also are produced when coal, oil, gas, wood, garbage, and tobacco are burned. PAHs generated from these sources can bind to or form small particles in the air. High-temperature cooking will form PAHs in meat and in other foods. Naphthalene is a PAH that is produced commercially in the United States to make other chemicals and mothballs. Cigarette smoke contains many PAHs.

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.

Arsenic: The Occupational Safety and Health Administration has set limits of 10 microgram arsenic per cubic meter of workplace air (10 µg/m3) for 8 hour shifts and 40 hour work weeks. Several studies have shown that inorganic arsenic can increase the risk of lung cancer, skin cancer, bladder cancer, liver cancer, kidney cancer, and prostate cancer. The World Health Organization (WHO), the

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Department of Health and Human Services (DHHS), and the EPA have determined that inorganic arsenic is a human carcinogen.

Breathing high levels of inorganic arsenic can give you a sore throat or irritated lungs. Ingesting high levels of inorganic arsenic can result in death. Lower levels of arsenic can cause nausea and vomiting, decreased production of red and white blood cells, abnormal heart rhythm, damage to blood vessels, and a sensation of "pins and needles" in hands and feet.

Barium: is a soft, silvery metal that rapidly tarnishes in air and reacts with water. It is mostly used in drilling fluids for oil and gas wells and used in paint and in glassmaking. All barium compounds are toxic; however, barium sulfate is insoluble and so can be safely swallowed. A suspension of barium sulfate is sometimes given to patients suffering from digestive disorders.

Barium has no known biological role, although barium sulfate has been found in one type of algae. Barium is toxic, as are its water- or acid-soluble compounds. Barium occurs only in combination with other elements. The major ores are barite (barium sulfate) and witherite (barium carbonate). Barium metal can be prepared by electrolysis of molten barium chloride, or by heating barium oxide with aluminum powder.

Cadmium: Cadmium became an important metal in the production of nickel-cadmium (Ni-Cd) rechargeable batteries and as a sacrificial corrosion-protection coating for iron and steel. Common industrial uses for cadmium today are in batteries, alloys, coatings (electroplating), solar cells, plastic stabilizers, and pigments. Acute (short-term) exposure to Cadmium fumes is irritating to the respiratory tract. Inhalation of fumes may cause a buildup of fluid in the lungs. Inhalation of fumes may cause metal fume fever. The effects may be delayed, and medical observation is recommended. Prolonged (chronic) exposure to Cadmium dust may result in impairment of lungs. Cadmium and its compounds are highly toxic and exposure to this metal is known to cause cancer and targets the body's cardiovascular, renal, gastrointestinal, neurological, reproductive, and respiratory systems. Cadmium is a carcinogen.

Chromium: Occupational exposures to chromium occur primarily in the metal and chemical manufacturing industries, although exposures are also possible in other industries where chromium compounds are used. All forms of chromium can be toxic at high levels, but chromium(VI) is more toxic than others. Breathing very high levels of chromium(VI) in air can damage and irritate your nose, lungs, stomach, and intestines. People who are allergic to chromium may also have asthma attacks after breathing high levels of either chromium(VI) or (III). Long term exposures to high or moderate levels of chromium(VI) cause damage to the nose (bleeding, itching, sores) and lungs, and can increase your risk of non-cancer lung diseases. Ingesting very large amounts of chromium can cause stomach upsets and ulcers, convulsions, kidney and liver damage, and even death. It is not known whether chromium harms the fetus or our ability to reproduce. Skin contact with liquids or solids containing chromium(VI) may lead to skin ulcers. Some people have allergic reactions including severe redness and swelling.

Lead: The effects of lead are the same whether it enters the body through breathing or swallowing. Lead can affect almost every organ and system in your body. The main target for lead toxicity is the nervous system. Long-term exposure to lead can result in decreased performance in some tests measuring functions of the nervous system in adults. It may also cause weakness in fingers, wrists, or ankles. Lead exposure also causes small increases in blood pressure, particularly in middle-aged

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and older people and can cause anemia. Exposure to high lead levels can severely damage the brain and kidneys and ultimately cause death.

Nickel: is silvery-white metal with a gold tinge. It is used in batteries and making of alloys and is found in Earth's core and crust. If reduced to dust particles it can cause chronic bronchitis, reduced lung function and potential cancer of lung and sinus if overexposed.

Tetrachloroethylene: is a colorless liquid with a sharp sweet odor. Tetrachloroethylene vapor is heavier than air and will be found in low lying areas.

Trichloroethylene: is a nonflammable colorless liquid with a sweet odor. Trichloroethylene vapor is heavier than air and is found in low lying areas.

Xylenes: are colorless liquids with a faint, sweet odor. There are three forms of xylene (meta-, ortho-, and para-), which are referred to as isomers. They are chemically classified as hydrocarbons, meaning they contain hydrogen and carbon atoms. These are chemicals of serious flammability and will easily ignite with heat, sparks or flames. Their flash point range is between 85-115 degrees F. The PEL is 10 ppm averaged over an 8 hour shift.

Typically, these are solvents in making paint, adhesives, and other chemicals. Their odor threshold varies greatly, and this should not be the sole indicator in exposures. Their vapors are heavier than air, but less dense than water, therefore they float. Can be inhaled or absorbed through the skin. Inhalation can irritate throat and nose and cause coughing, headache or dizziness. Absorption can cause skin rash, dryness or redness. Repeated exposures may affect concentration, memory, vision, and muscle coordination.

Organochlorine Pesticides: are chlorinated hydrocarbons used extensively from the 1940s through the 1960s in agriculture and mosquito control. Representative compounds include DDT, methoxychlor, dieldrin, chlordane, toxaphene, mirex, kepone, lindane, and benzene hexachloride. As neurotoxicants, many organochlorine pesticides were banned in the United States, few are still registered for use.

People can be exposed to organochlorine pesticides through accidental inhalation exposure if in an area where they were recently applied. The chemicals can also be ingested in fish, dairy products, and other fatty foods that are contaminated. Organochlorine pesticides accumulate in the environment and are very persistent and move long distances in surface runoff or groundwater.

Exposure to these chemicals over a short period may produce convulsions, headache, dizziness, nausea, vomiting, tremors, confusion, muscle weakness, slurred speech, salivation and sweating. Long-term exposure may damage the liver, kidney, central nervous system, thyroid and bladder. Many of these pesticides have been linked to elevated rates of liver or kidney cancer in animals. There is some evidence indicating that organochlorine pesticides may also cause cancer in humans.

Per- and Polyfluoroalkyl Substances: Per- and polyfluoroalkyl substances (PFAS) are a group of chemicals used in some industries and consumer products. Per- and polyfluoroalkyl substances (PFAS) are a group of over 14,000 synthetic chemicals that have been used in industry and consumer products, worldwide, for over 70 years. This includes compounds such as perfluorooctanoic acid

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(PFOA), perfluorooctanesulfonic acid (PFOS), and Hexafluoropropylene Oxide Dimer Acid (also known as "GenX"). PFAS as a class have a wide variety of distinct chemical properties and toxicities; for example, some PFAS can bioaccumulate and persist in the human body and the environment, while others transform relatively quickly. The PFAS that do transform, however, will become one or more other PFAS because the carbon–fluorine bond they contain does not break naturally. It is for this reason that PFAS are termed “forever chemicals.” A large number of studies have examined possible relationships between levels of PFAS in blood and harmful health effects in people. Long term exposure may have reproductive, immune system, kidney, testicular, and metabolic effects. NIOSH have been conducting studies since 2004, focusing on occupational exposures to PFAS, including toxicological assessments and health impacts in workers. Current research include assessing exposure to various sectors, such as manufacturing and firefighting, and developing analytical methods for measuring PFAS exposure in the workplace.

Site Hazards Checklist			
Weather			
Cold Temperatures	High Winds	Hot Temperatures	Lightning Storms

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.

High Winds

While high winds are commonly associated with severe thunderstorms and hurricanes they may also 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.

Hot Temperatures

Heat stress may occur at any time work is being performed at elevated ambient temperatures. Because heat stress is one of the most common and potentially serious illnesses associated with outdoor work during hot seasons, regular monitoring and other preventative measures are vital. Site

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workers must learn to recognize and treat the various forms of heat stress. The best approach is preventative heat stress management.

H&A employees and their subcontractors should be aware of potential health effects and/or physical hazards of working when there are hot temperatures or a high heat index. Refer OP1015-Heat Stress for a discussion on hot weather hazards.

Lightning Storms

Where the threat of electrical storms and the hazard of lightning exist staff shall ensure site procedures exist to: (1) detect when lightning is in the near vicinity and when there is a potential for lightning and (2) to notify appropriate site personnel of these conditions and (3) implement protocols to stop work and seek shelter.

The 30-30 Rule states that if time between seeing the lightning and hearing the thunder is less than 30 seconds, you are in danger and must seek shelter. You must also stay indoors for more than 30 minutes after hearing the last clap of thunder.

Biological			
Mosquitoes	Stinging Insects	Large/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.

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

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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 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.

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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.

Large Mammals

When working in remote locations staff may come near wild or stray dogs, coyotes, foxes or other large animals. It is important that staff avoid contact with these animals.

There are increasing reports of wild dog attacks on household pets, attacks on human are uncommon and rare or infrequent at best. However, attacks by individual or small groups of domestic dogs occur frequently resulting in injury or a fatality on rare occasion. Wild dogs may become skilled at hunting in groups for small game and large game from rabbits and hares to deer and moose. The impact of wild dogs, on livestock and wildlife, varies by location and is influenced by factors such as availability of other food, number of dogs, and competition by other predators. Wild dogs kill house cats and may injure or kill domestic dogs. Areas where people have not hunted and trapped wild dogs, a fear of humans may not have developed and in such dogs may attack people and children. This can be a serious problem in areas where feral dogs feed at and live around garbage dumps near human dwellings. Such situations occur most frequently around small remote towns. In urban settings domestic dogs can be territorial and exhibit aggressive behavior such as barking and snarling when their area is encroached. It is not uncommon for domestic dogs to travel in small packs.

If the pack displays aggressive behavior and charges do not run or turn your back. When confronted by one or more dog it is important not to run or exhibit any behavior that may be construed as a challenge (e.g., looking the dog in the eyes, showing your teeth, or attempting to pet the dog).Stand still and place your work bag between you and the dog and then begin to move slowly away from the dog(s) while not turning your back. If you see a stray dog approaching from a distance, look for a place that's secure. Step inside a fenced area, enter a place of business, or knock on a neighbor's door. It is always better to be safe than risk a potentially dangerous situation.

Location/Terrain			
Slip/Trip/Falls	Public Rd/Right of Way	SIMOPS	Economically Depressed

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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.

Public Right of Way

H&A staff and their subcontractors conducting work on public roads and/or right of ways can be exposed to vehicular traffic and expose the public to the hazards of the job site. Where a hazard exists to site workers because of traffic or haulage conditions at work sites that encroach public streets or highways, a system of traffic controls in conformance with the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD), or state program, is required. A Temporary Traffic Control Plan (TCP) describes traffic controls to be used for facilitating vehicle and pedestrian traffic through a temporary traffic control zone TCPs are required to provide for worker protection and safe passage of traffic through and around job sites with as little inconvenience and delay as possible.

The plan may range in scope from being very detailed, to merely referencing typical drawings contained in the MUTCD. The degree of detail in the TCP depends entirely on the complexity of the situation, and TCP's should be prepared by persons knowledgeable about the fundamental principles of temporary traffic control and the work activities to be performed.

H&A Project Managers or their subcontractors need to establish appropriate control measures and obtain any permits when project work is on or encroaches public roadways. You may need flaggers or police details. Cease work and notify the field supervisor immediately if any conditions are such that safety is jeopardized. Utilize protective vehicles whenever appropriate or position equipment so in between the work and oncoming traffic.

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. 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

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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.

Economically Depressed Areas

Economically depressed areas may have high crime rates. Projects involving work in and around inactive industrial sites may bring staff into contact with indigent and homeless persons. Staff could be subjected to crime that includes but may not be limited to thievery, vandalism, and violence. Prior to the start of work staff need to understand the work locations and the potential for exposure to low level crime.

Staff members should never work alone in these areas. A buddy system is required. Conduct during daylight hours. Secure equipment and vehicles. If warranted, contact the local police department for a security detail. Leave the work area immediately and contact the local authorities if staff members feel threatened or are threatened.

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

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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 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.

Task Hazard Summary

Task 1 - Site Walk

General hazards associated with site walk-throughs and site surveys include the following: • Exposure to irritant and toxic plants such as poison ivy and sticker bushes may cause allergic reactions to personnel. • Surfaces covered with heavy vegetation and undergrowth create a tripping hazard. • Back strain due to carrying equipment, tools, and instruments. • Native wildlife such as rodents, ticks, and snakes present the possibility of insect bites and associated diseases such as Lyme disease
Driving vehicles on uneven or unsafe surfaces can result in accidents such as overturned vehicles or flat tires. • Heat stress/cold stress exposure.

HAZARD PREVENTION • Wear long-sleeved clothing and slacks to minimize contact with irritant and toxic plants and to protect against insect bites. Appropriate first aid for individuals' known allergic reactions. • Be alert and observe terrain while walking to minimize slips and falls. • Use proper lifting techniques to prevent back strain. • Avoid wildlife when possible. In case of an animal bite, perform first aid and capture the animal, if possible, for rabies testing. Perform a tick check after leaving a wooded or vegetated area. • Ensure all maintenance is performed on vehicles before going to the field. A site surveillance on foot might be required to choose clear driving paths. • Implement heat stress management techniques such as shifting work hours, fluid intake, and monitoring employees, especially high risk workers.

Task 2 - Underground Utility Clearance

Ground disturbance activities such as excavating or drilling have the potential to contact underground utilities and may be considered a hazardous activity and a permit to work may be required. Once the H&A Project Manager has identified the work zone and the areas designated for ground disturbance the PM or designee is required to delineate the area with either white paint or flags so that the appropriate agencies know which area to check for their respective utilities. Haley & Aldrich staff members must ensure that permission has been gained from the property owner to access the property prior to site entry and before marking any proposed exploration or drilling locations.

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The Project Manager shall verify that the proposed dig or drill zones are adequately marked or staked prior to the locators site visit, and that the appropriate Line Location Organization/ Contractor has been notified (a minimum of 72 business hours in advance) of all planned ground disturbance activities and a request for line location has been registered with the applicable One Call or dial Before You Dig organization when applicable. Personnel that are required to mark the area need to identify and understand the hazards associated with the project area which can range from a public roadway to a greenspace in a remote location.

See OP1020 Work Near Utilities.

Task 3 – 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 4a – 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 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

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that staff are aware of emergency / communication protocols with the Contractor prior to the start of work.

Task 4b – 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 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 4c – Air Sampling

Air sampling is conducted to monitor levels of air contaminants. Air is the most transient environmental medium and subject to extreme spatial and temporal heterogeneity. Air sampling matrices include: Ambient (outdoor) air, indoor air, point sources (stacks, exhausts, and other emission sources), fugitive emissions (sources of air pollutants other than stacks or vents), and monitor and evaluate remediation processes. Samples can be collected in tedlar bags, sorbent tubes, or summa canisters.

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Safety precautions during air sampling include a review of possible environmental hazards before entering the site and the use of proper clothing and equipment. Workers performing stack sampling and air monitoring during emergency situations may be exposed to hazardous levels of air pollutants. Therefore, the JHA must specify what kind of real-time air monitoring will be performed, the action levels for the use of respirators, and the types of respirators to be worn if action levels are exceeded. Safety must always be considered to ensure that the chosen field measurement instrument is compatible with the potential hazard. For example, some instruments are capable of detecting explosive hazards, but not all are safe for operations under these conditions. If the atmospheric concentration is potentially greater than 25% of the lower explosive limit, the meter itself must be certified safe for operation (FM, UL or MSHA certified). Operators should be thoroughly familiar with the instrument and operating instructions before use. Always read or review the manual prior to using an instrument in the field.

Safety concerns are of critical importance in performing sampling at heights due to the possibility of, falling, dropping equipment on workers below, and possibly weather related hazards such as ice, snow, and rain if sampling outdoors.

Gases used to calibrate and operate some instruments come in pressurized cylinders and many are flammable. Proper care should be taken when handling these materials. Light sources from some instruments can cause eye damage when viewed directly.

Task Physical Hazards Checklist				
Potential Task Hazards	**Task 1** **Site Walk**	**Task 2** **Underground Utility Clearence**	**Task 3** **Drilling**	**Task 4-6** **Soil, Water, Soil Vapor Sampling**
Congested Area	☒	☒	☒	☒
Ergonomics	☒	☒	☒	☒
Energized Equipment	☒	☒	☒	☒
Generated Wastes	☐	☐	☒	☒
Ground Disturbance	☐	☐	☒	☐
Hand/Power Tools	☐	☒	☒	☒
Heavy Equipment	☐	☐	☒	☐
Line of Fire	☒	☒	☒	☒
Manual Lifting	☐	☐	☒	☒
Noise	☐	☐	☒	☐

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Overhead Utilities	☐	☐	☒	☐
Repetitive Motion	☒	☐	☐	☒
Rotating Equipment	☐	☒	☒	☒
Slippery Surfaces	☒	☒	☒	☒
Sharp Objects	☒	☒	☒	☒
Traffic	☒	☐	☒	☒
Underground Utilities	☐	☒	☒	☒
Other: Specify	☐	☐	☐	☒

Summary of Physical Hazards & Controls

Congested Areas

Working in congested areas can expose both workers and the public to a wide range of hazards depending upon the specific activities taking place. Staff Members need to understand the work scope, work areas, equipment on-site, and internal traffic patterns to minimize or eliminate exposure potential.

Controls

- Provide barricades, fencing, warning signs/signals and adequate lighting to protect people while working in or around congested areas.
- Vehicles and heavy equipment with restricted views to the rear should have functioning back-up alarms that are audible above the surrounding noise levels. Whenever possible, use a signaler to assist heavy equipment operators and/or drivers in backing up or maneuvering in congested areas.
- Lay out traffic control patterns to eliminate excessive congestion.
- Workers in congested areas should always wear high visibility clothing.
- Be aware of Line of Fire hazards when performing work activities in congested areas.
- Hazards associated with SIMOPs should be discussed daily at Tailgate Safety Meetings.

Energized Equipment

Energy sources including electrical, mechanical, hydraulic, pneumatic, or other sources in machines and equipment can be hazardous to workers. During servicing and maintenance of machines and equipment, the unexpected startup or release of stored energy can result in serious injury or death to workers.

Staff members that are required to work on energized equipment must first ensure that the source of energy is isolated and/or de-energized. In addition, any stored energy must also be released. Staff must ensure that the process to de-energize and isolate energy sources is documented and communicated to those who are working on the equipment. Staff must be trained on and understand the procedure.

See OP 1032 Control of Hazardous Energy for more information.

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Controls

- Document process to de-energize or isolate energy sources.
- Ensure staff are appropriately trained to conduct work requiring LOTO.
- Affix log or tag to equipment to ensure improper start-up or release of energy.
- Execute an Energy Isolation Permit.

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

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.

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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.

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.

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.

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.

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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.

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.

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.

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- 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.

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

- 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.

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.

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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.

Repetitive Motion

Repetitive Motion or Strain Injuries are injuries effecting muscles, nerves, and tendons by repetitive movement and overuse. Almost any kind of awkward or repetitive motion you make could lead to an injury over time. Actions like bending or twisting of the wrists, reaching for materials, working with your hands above shoulder level, or grasping objects can increase wear and tear on the body. The condition mostly effects the upper body.

Controls

- Arrange your work zone, supplies and tools as much as possible to avoid reaching, leaning, bending and twisting your waist or wrists.
- During rest breaks, use stretches to loosen up your body.
- Vary tasks if you can so that you are not making the same movement repeatedly over for a long period.

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.

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.

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.
- 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.

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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.

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;

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- 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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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**	**Task 4-6**
	Site Walk	**Underground Utility Clearance**	**Drilling**	**Soil, Water, Soil Vapor Sampling**
Hard hat	☒	☒	☒	☒
Safety Glasses	☐	☐	☒	☒
Safety Toed Shoes	☒	☒	☒	☒
Class 2 Safety Vest	☒	☒	☒	☒
Hearing Protection	☒	☐	☒	☐
Nitrile Gloves	☐	☐	☐	☒
Cut resistant gloves	☒	☒	☒	☒
Level of protection required	D	D	D	D
Required Safety Equipment				
First Aid Kit	☒	☒	☒	☒
Safety Cones	☐	☒	☒	☒

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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)
HAZWOPER - 8 Hour (Annual Refresher)

Task Specific Training Requirements				
Required Training Type	**Task 1**	**Task 2**	**Task 3**	**Task 4**
	Site Walk	Underground Utility Clearance	Drilling	Soil, Water, Soil Vapor Sampling
Hazard Communication	☒	☒	☒	☒
Portable Fire Extinguisher	☐	☐	☒	☐

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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? Yes

Is perimeter monitoring required for community protection? No

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.

***SEE APPENDIX I – NYSDOH CAMP GUIDANCE DOCUMENT FOR CAMP REQUIREMENTS**

Parameter/ Contaminant	Equipment	Action Level	Response Activity
Carbon Monoxide (CO)	4 Gas Meter	< 25 ppm	Continue work and monitoring. If fluctuation exists in acceptable range, contact SSO to investigate.
		>25 ppm	Cease work, exit the area or confined space and contact SSO.

Zone Location and Monitoring Interval
In the breathing zone/work area prior to and during operation of equipment with combustion motors.

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***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.**

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: PFAS-free water

Location of Decontamination Station

Near sample containerization area in southeast corner of Site.

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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.
*PFAS-free water must be used for decontamination of any equipment used for PFAS sampling

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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?

Check with field staff on-site

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:

Cones

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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	With H&A Personnel
Emergency PPE	**Specific Type**	**Quantity Stocked**	**Location Stored**
Gloves - "Nitrile"	General Nitrile Gloves	1 Box	With H&A personnel

EVACUATION ALARM
Will be communicated during the Onsite Kickoff Meeting
EVACUATION ROUTES
See Site Plan in this HASP for evacuation routes
EVACUATION MUSTER POINT(S)/ SHELTER AREA(S)
See Site Plan in this HASP for muster point
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 Northeast sidewalk corner of Flushing Avenue and Bushwick Avenue		*SHELTER LOCATION* Personal Vehicle	
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

Note: This HASP has been developed for Haley & Aldrich purposes only and is not for use by others.

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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28-12 41ST AVE DEVELOPMENT

KEY TASK All Tasks as Below:		
Subtask Category	**Potential Hazards**	**Controls**
Site Walk/GPR Survey	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	Vehicle traffic/safety	• Watch out for vehicular traffic in and around work area • Access work area along routes that are the least busy • Place safety cones and continually monitor ingress and egress of vehicles onto site • Use verbal and hand signals to alert personnel of approaching vehicles
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 • Place safety cones around the drilling location

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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 • 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	Heat Stress	• Take breaks indoors, hydrate • Limit physical exertion
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	• Same as above
Drilling	Slips, trips, and falls	• Same as above
Soil, Soil Vapor, and Groundwater Sampling	Slips, trips, and falls	• Same as above
Soil, Soil Vapor, and Groundwater Sampling	Vehicle traffic/safety	• Same as above
Soil, Soil Vapor, and Groundwater Sampling	Weather-related hazards	• Same as above
Soil, Soil Vapor, and Groundwater Sampling	Cold stress	• Same as above
Soil, Soil Vapor, and Groundwater Sampling	Heat stress	• Same as above
Soil, Soil Vapor, and Groundwater Sampling	Lifting	• Same as above
Soil, Soil Vapor, and Groundwater Sampling	Tool/Equipment Use	• Inspect any tools or equipment before you use them • Ensure that any cords or plugs are not frayed or damaged

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		• 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

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ATTACHMENT E
PROJECT SITE FORMS

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Appendix I
NYSDOH CAMP Guidance Document

HALEY ALDRICH

www.haleyaldrich.com

COMMUNITY AIR MONITORING PLAN

28-12 41ST AVENUE
NYSDEC BCP SITE PENDING
LONG ISLAND CITY, NEW YORK

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

File No. 0214374
October 2025



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Table 1 – Action Level Limit Summary

1. Introduction

This Community Air Monitoring Plan (CAMP) has been prepared for the proposed activities to be performed under the Remedial Investigation Work Plan (RIWP) at the 28-12 41st Avenue site. The CAMP details measures for protection of the downwind community (i.e., off-site receptors including residences, businesses, and on-site workers not directly involved in the investigation activities) from potential airborne contaminant releases resulting from sampling activities at the site.

Compliance with this CAMP is required during all activities associated with intrusive activities such as drilling, excavation, stockpiling, equipment idling, transport, etc. that have the potential to generate airborne particulate matter and volatile organic compounds (VOCs). These activities include drilling and monitoring well installation. This CAMP is specific to the Site and was developed in accordance with the New York State Department of Health Generic Community Air Monitoring Plan and the New York State Department of Environmental Conservation (NYSDEC) DER-10 Technical Guidance for Site Investigation and Remediation.

Community Air Monitoring Program

Real-time air monitoring will be conducted in two locations during ground intrusive activities including 1) at an upwind location (fixed station) and 2) at a downwind location (fixed station), to be evaluated daily and logistically biased towards nearby sensitive receptors and occupied structures within 20 feet and situated based on daily wind direction, to prevent potential exposure to the surrounding community (Figure 1). In addition, monitoring at the egress of the ground intrusive work zone (roaming station) will include visual observations of dust particulates and olfactory observations and instrumental readings for VOCs using a hand-held photoionization detector (PID).

Continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media. Ground intrusive activities include, but are not limited to, drilling, contaminated materials handling, equipment idling, transport, etc. Fixed monitoring equipment will be set up to connect to a cloud-based data management system where data will be stored on a real time basis.

VOC MONITORING, RESPONSE LEVELS, AND ACTIONS

VOCs will be monitored at CAMP stations at an upwind location (fixed station), the egress of the ground intrusive work zone (roaming station), and at a downwind location (fixed location) biased towards nearby sensitive receptors and occupied structures within 20 feet and situated based on daily wind direction. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. Roaming equipment to assess VOCs will be carried by the field support overseeing implementation of the RIWP. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- 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 will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.
- 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 will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will 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.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown.

All 15-minute readings must be recorded and be available for NYSDEC/NYSDOH personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded. Proactive measures will be taken to control VOCs such as use of rusmar foaming agent and wintergreen misting to prevent offsite migration of VOCs and to suppress odors.

PARTICULATE MONITORING, RESPONSE LEVELS AND ACTIONS

Dust particulates will be monitored at CAMP stations at an upwind location (fixed location), the egress of the ground intrusive work zone, and a downwind location (fixed location) biased towards nearby sensitive receptors and occupied structures within 20 feet. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. Visual observations to assess dust particulates will be carried by the field support overseeing implementation of the RIWP. Particulate concentrations at the upwind and downwind CAMP stations will be evaluated through particulate monitoring via real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10). In the event this equipment is implemented, the equipment will be capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level discussed below:

- 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 will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 greater than the upwind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will 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.

All 15-minute readings must be recorded and be available for NYSDEC/NYSDOH personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded. Proactive measures will be taken to control dust particulates such as use of water prayers to suppress dust generation and migration offsite.

SPECIAL CONSIDERATIONS

When work areas are within 20 feet of potentially exposed populations or occupied structures, the continuous monitoring locations for VOCs and particulates must reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of engineering controls such as vapor/dust barriers, temporary negative pressure enclosures, or special ventilation devices should be considered to prevent exposures related to the work activities and to control dust and odors. Consideration should be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

- If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 ppm, monitoring should occur within the occupied structure(s). Background readings in the occupied spaces must be taken prior to commencement of the planned work. Any unusual background readings should be discussed with NYSDOH prior to commencement of the work.
- If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 mcg/m3, work activities should be suspended until controls are implemented

and are successful in reducing the total particulate concentration to 150 mcg/m3 or less at the monitoring point.

- Depending upon the nature of contamination and remedial activities, other parameters (e.g., explosivity, oxygen, hydrogen sulfide, carbon monoxide) may also need to be monitored. Response levels and actions should be predetermined, as necessary, for each site.

Reporting

Exceedances of action levels observed during performance of the CAMP will be reported to the NYSDEC and NYSDOH via email and included in the daily report to be submitted to NYSDEC the morning after site activities are completed along with actions and responses. Daily reports will include the following information:

- Date
- Personnel
- Wind direction
- Meteorological Data (i.e. temperature, weather, atmospheric pressure)
- Site Map
- CAMP station locations
- Notes regarding any equipment malfunctions
- Notes regarding any mitigation efforts or work stoppage due to CAMP exceedances

Data Quality Assurance

To ensure data quality, instrument calibration will be completed as required by the manufacturer and recorded daily. Calibration checks and duplicate readings may be completed as needed to confirm instrument response and accuracy. All instruments will be operated in accordance with manufacturer's specifications, copies of which will be kept on site.

The onsite field engineers will review monitoring data throughout the day and evaluate in comparison to the action levels. The project manager will review monitoring data periodically and/or when action levels are triggered.