Periodic Review Report

Former Pfizer Inc. Sites B & D
59-71 Gerry Street and 73-87 Gerry Street
191 Harrison Avenue and 60-66 Gerry Street
Brooklyn, New York

March 31, 2023

Prepared for:

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Certification Statement

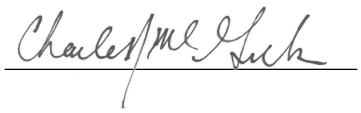
For each institutional control or engineering control identified for the site, I certify that all of the following statements are true:

a) the institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by DER;

b) nothing has occurred that would impair the ability of such control to protect the public health and the environment;

c) nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control; and

d) access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control.



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1. Introduction

On behalf of Pfizer Inc (Pfizer), Roux Environmental Engineering and Geology, D.P.C. (Roux) has prepared this Periodic Review Report (PRR) to document the post-remediation activities performed at the Former Pfizer Inc Sites B & D (Pfizer) located in Brooklyn, New York (Site). In preparation of this document, Roux relied on other engineering firms for inspection reports of individual properties that are now privately owned. The Site is managed under the New York State (NYS) Voluntary Cleanup Program (VCP) administered by the New York State Department of Environmental Conservation (NYSDEC) as Site No. V00350, which consists of multiple properties and operable units described below. A Site location map is attached as Figure 1.

The Site contains residual contamination of chlorinated volatile organic compounds (CVOCs) left after completion of the Remedial Action performed under the VCP. Engineering Controls and Institutional Controls (ECs and ICs) have been incorporated into the Site remedy to provide proper management of residual contamination in the future to ensure protection of public health and the environment. ECs and ICs and site monitoring and inspection requirements are defined in the Site Management Plans (SMPs) prepared for each operable unit (OU). A Deed Restriction for each operable unit has been recorded with the Kings County Clerk that provides an enforceable means to ensure the continued and proper management of residual contamination and protection of public health and the environment.

Site management activities, reporting, and EC/IC certification are scheduled on a certification period basis. The certification period for this PRR is July 28, 2021to July 28, 2022. Due to Site access constraints, annual Site inspections were conducted during the period of August 11, 2022 to November 11, 2022 and on March 1, 2023. The March 2023 inspection performed in OU-3 was completed in an effort to address the response letter from NYSDEC dated February 9, 2023. Post-remediation groundwater monitoring has been in progress since April 2016. Groundwater monitoring results show a significant decrease in concentrations in the OU-1 on-Site source area and steady improvement and stability in groundwater quality downgradient.

2. Site Overview

This section includes a brief description of the Site and its history. A complete description of the Site's history, Remedial Investigation findings, and Remedial Action is presented in the following documents:

- *Remedial Action Work Plan for Pfizer Site B & D, Operable Unit 2*, Langan Environmental Services, P.C., August 2011
- *Former Pfizer Property Site B- Operable Unit 3 Remedial Action Work Plan,* AMC Engineering, September 2014
- *Pfizer Inc Site B and Site D Operable Unit 1 Remedial Action Work Plan*, Remedial Engineering, P.C., November 2014 *Construction Completion Report for 177 Harrison Avenue,* Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C., February 2015
- *177 Harrison Avenue Construction Completion Report Addendum,* AMC Engineering PLLC, February 2018, *Revised June 2018*
- *Former Pfizer Inc Site B and Site D Operable Unit 1 Construction Completion Report*, Roux Environmental Engineering and Geology, D.P.C., March 2018
- *Former Pfizer Property Site B – Operable Unit 3 Construction Completion Report*, AMC Engineering PLLC, June 2018
- *Former Pfizer Inc Site D Site Management Plan*, Roux Environmental Engineering and Geology, D.P.C., June 2018
- *Former Pfizer Property Site B- Operable Unit 2 Site Management Plan*, AMC Engineering PLLC, June 2018
- *Former Pfizer Property Site B- Operable Unit 3 Site Management Plan*, AMC Engineering PLLC, June 2018
- *Former Pfizer Inc Site B and Site D Final Engineering Report*, Roux Environmental Engineering and Geology, D.P.C., June 2018

2.1 Site Description and Background

Pfizer Inc. entered into the Voluntary Cleanup Agreement (VCA) with the New York State Department of Environmental Conservation (NYSDEC) on September 19, 2003, to investigate a 0.8-acre property located in Williamsburg, Brooklyn, New York. The property was known as Site B and divided into a western and eastern portion. The VCA was amended in March 2011 to include a 0.68-acre property across Gerry Street from Former Site B known as Site D. The VCA was amended a second time in September 2012 to include the Oholei Shloma and YGS, Inc. as Volunteers.

The Former Pfizer Inc. Sites B and D (the "Site") are defined, for the purposes of the VCP, as the area within the limits of the property boundary as shown on Figure 2 in the County of Kings, New York. The Site was known as Former Site B and D, and was divided by the NYSDEC in May of 2014 into the following operable units (OUs):

- OU-1 consists of Former Site D property located at 191 Harrison Avenue and 60-66 Gerry Street (owned by 58 Gerry St LLC) (Block 2269, Lot 7501, 7502, 3 and 51[Lot 7501 and 7502 were previously numbered Lot 1 and Lot 2, respectively]);
- OU-2 consists of the western portion of Former Site B located at 59-71 Gerry Street (Block 2266, Lot 1,10 and 52), which was the western-most lot of the formerly Pfizer-owned portion of Site B.

Lot 52 is currently owned by YGS Inc. (a.k.a. Congregation YGS), and Lot 1 and 10[1], following redevelopment as a High School, has had ownership transferred to the current Bais Ruchel High School, Inc.; and

- OU-3 consists of the remainder of the eastern portion of Former Site B (Block 2266, Lots 45-50) (owned by Oholei Shloma and private owners).

A portion of the VCA site (Former Site D) is contaminated with chlorinated volatile organic compounds (CVOCs) in groundwater. The remediated CVOCs source area is located on the eastern portion of the OU-1 property (Former Building 25A area).

2.2 Site History

OU-1 – Former Site D

In 1887, Site D was partly developed with rows of one- to three-story dwellings and ground-level stores that included a wheelwright, soft soap facility, fur-dressing store, and an event hall. The buildings surrounded three sides of a five-story condemned apartment building that was constructed in 1904.

Pfizer occupied Site D as early as 1947. Site D was divided into multiple lots at that time, and Pfizer did not own the entirety until the building on 66 Gerry Street (Former Building 25A) was purchased in 1965. Site D was historically known as Warehouse "F" and used for storage purposes and general maintenance work supporting the Pfizer Brooklyn facility.

Pfizer activities included welding and metal working. Pfizer housed its engineering and maintenance departments in this building that supported the Brooklyn-based manufacturing operations at that time. Arlington Press, a company specializing in manufacturing labels and package inserts for the pharmaceutical industry, leased this facility from Pfizer from January 1987 to 2007. OU-1 remained vacant from 2008 to 2016 until it was sold in December 2016. The buildings in OU-1 were demolished in December 2017, with the exception of Lot 51 in which the existing building was renovated. The redevelopment in OU-1 is currently under construction. A 1955 affidavit indicated a possible dry-cleaning solvent (PCE) reclamation business was located at 66 Gerry Street (Former Building 25A). It is not clear whether the PCE reclamation activities were actually conducted on-site, and, if so, the duration. It is certain that Pfizer did not conduct any activities involving PCE since taking ownership of Site D and Building 25A in 1965.

OU-2 – Western Portion of Former Site B

OU-2 was primarily occupied by multiple-story residences with storefronts between 1887 and 1935. OU-2 also contained a church in 1887, a wagon shop in 1918, and a folding box manufacturer in 1935. OU-2 contained a bottling company, garden and school in 1904, and a dance hall and junk lot in 1935. OU-2 was cleared of all but one residential structure by 1947 and contained a lumber yard between the 1940s and 1950s. The OU-2 property was backfilled with fill from an unidentified source and brought to its current grade elevation prior to the 1970s. OU-2 was used for private parking from the 1950s to 2010. Prior to recent redevelopment, Pfizer Inc leased the Site for parking.

OU-3 – Eastern Portion of Former Site B

OU-3 was developed prior to 1887 as multiple lots, each developed with two- or three-story residential buildings in front of the lots and smaller one- or two-story dwellings in the rear of the lots. Two of the buildings

[1] Lot 10 was historically encompassed by Lot 1. Recent land use zoning maps reflect the northeast portion of Lot 1 listed as Lot 10, which acts as a paved driveway and parking lot for the school.

were utilized as a fur factory prior to 1887, but were converted into a coffee bean roasting facility in the early 1900s and a grocery store in the 1910s. By 1935, the western lots had been combined to form a one-story parking garage for 75 cars. The eastern lots remained unchanged until 1947, when the three lots were combined and redeveloped into a one-story industrial building used for truck renting. By the 1960s, the one-story industrial building was being used as a parking garage. Both parking garage buildings were demolished by 1996. After demolition, Pfizer generally used OU-3 for parking. Multiple unknown petroleum USTs associated with the trucking business were found and removed by Pfizer along with completion of other soil and groundwater remedial work, as described in the FER.

2.3 Site Remediation Goals

The overall goals of remediation for all Operable Units (OU-1 through OU-3) are as follows, as defined in their respective Site Management Plans and Final Engineering Reports:

2.3.1 OU-1 Remediation Goals

The remedial goals for soil at Operable Unit 1 - Former Site D, as outlined in the FER, were to meet the Protection of Groundwater (PoG) Soil Cleanup Objectives (SCOs) for CVOCs in soil and to limit exposure to contaminated soil and groundwater through the use of an engineered composite cap system for areas above Restricted Residential SCOs (RRSCOs). Groundwater beneath OU-1 was addressed through source removal and treatment. Consistent with Part 375, the proposed remedies for OU-1 were fully protective of public health and the environment, taking into account the current, intended, and potential future land use.

The Remedial Action Objectives (RAOs) for the Former Site D as listed in the SMP dated June 2018 are as follows:

Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards; and
- Prevent contact with, or inhalation of, volatiles emanating from contaminated groundwater.

RAOs for Environmental Protection

- Restore groundwater aquifer, to the extent practicable, to pre-disposal/pre-release conditions; and
- Remove the source of ground or surface water contamination.

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil; and
- Prevent inhalation of or exposure to contaminants volatizing from contaminated soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater contamination.

Soil Vapor

RAOs for Public Health Protection

- Prevent inhalation of, or exposure to contaminants volatizing from contaminated media.

2.3.2 OU-2 Remediation Goals

The remedial goals at Operable Unit 2 - Former Site B, as outlined in the FER, were to 1) actively remediate the BTEX and CVOC groundwater plumes on-Site within the target depth of 10 to 30 feet below land surface (bls) to NYSDEC Water Quality Standards for Class GA groundwater, to the extent practicable; 2) mitigate off-Site migration of BTEX and CVOCs via on-Site treatment of the BTEX and CVOC plumes and verify through performance monitoring; and 3) extract and treat on-Site soil vapor with elevated levels of VOCs associates with the operation of an Air Sparge/Soil Vapor Extraction (AS/SVE) remedial system.

The RAOs for OU-2 as listed in the SMP dated June 2018 are as follows:

Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards; and
- Prevent contact with, or inhalation of, volatiles emanating from contaminated groundwater.

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil; and
- Prevent inhalation of or exposure from contaminants volatizing from contaminants soil.

RAOs for Environmental Protection

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

Soil Vapor

RAOs for Public Health Protection

- Prevent contact inhalation of volatiles emanating from contaminated groundwater or soil.

2.3.3 OU-3 Remediation Goals

Similar to OU-2, the remedial goals for OU-3, as outlined in the FER, were to 1) actively remediate the BTEX and CVOC groundwater plumes on-Site within the target depth of 10 to 30 feet below land surface (bls) to NYSDEC Water Quality Standards for Class GA groundwater, to the extent practicable; 2) mitigate off-Site migration of BTEX and CVOCs via on-Site treatment of the BTEX and CVOC plumes and verify through performance monitoring; and 3) extract and treat on-Site soil vapor with elevated levels of VOCs associates with the operation of an Air Sparge/Soil Vapor Extraction (AS/SVE) remedial system.

The RAOs for OU-3 as listed in the SMP dated June 2018 are as follows:

Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards; and
- Prevent contact with, or inhalation of volatiles, from contaminated groundwater.

RAOs for Environmental Protection

- Restore groundwater aquifer to pre-disposal/pre-release conditions, to the extent practicable; and

- Remove the source of ground or surface water contamination.

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil; and
- Prevent inhalation of or exposure from contaminants volatizing from contaminants in soil.

RAOs for Environmental Protection

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

Soil Vapor

RAOs for Public Health Protection

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

2.4 Site Remedial History

Below is a summary of the remedial actions implemented at each operable unit as described in their respective Remedial Action Work Plans and Final Engineering Reports.

2.4.1 OU-1 Implemented Remedy

The Remedial Action was described in the NYSDEC-approved RAWP for OU-1 dated February 2015; the Decision Document dated February 2015; the Design Plan dated November 9, 2015; and the Supplemental Design Plan dated April 21, 2016. The source area excavation was performed between March 2, 2015 and June 15, 2015 with NYSDEC concurrence on the final extents. The first-round ISCO injections were completed between April 26, 2016 and May 12, 2016. The second round ISCO injections were completed in September 2017. The third round PlumeStop injections were completed in December 2017. The fourth round supplemental *in situ* treatment injections consisting of MicroZVI™ and HRC® were completed in November 2020. A summary of the remedy is provided below.

- Excavation of soil and materials exceeding the Part 375 Protection of Groundwater (PoG) Criteria for VOCs, to the extent practicable within Former Building 25A and the main courtyard of Former Site D;
- Groundwater remediation consisting of ISCO, PlumeStop, and MicroZVI injections in the Former Site D main courtyard and in the vicinity of MW-20, MW-D2, MW-D2I, and select OU-2 and OU-3 monitoring wells with continued CVOC exceedances;
- Screening for indications of contamination by visual means, odor, and monitoring with a photoionization detector (PID) of all excavated soil during any intrusive site work;
- Collection and analysis of end-point soil samples to evaluate the performance of the remedy with respect to attainment of SCOs;
- Collection and analysis of groundwater samples to evaluate the performance and effectiveness of the remedy with respect to Ambient Water Quality Standards and Guidance Value (AWQSGVs);
- Import of materials to be used for backfill and cover in compliance with: (1) chemical limits and other specifications listed in Part 375-6.7(d), and (2) all Federal, State, and local rules and regulations for handling and transport of material;
- Implementation of a composite cover system consisting of concrete cover, concrete building slabs, and 2-feet of clean backfill in areas that are not paved or under a building slab to prevent public

exposure to residual soil and groundwater impacts that could not be removed due to technical impracticability, and to achieve compliance with Part 375 RRSCOs;

- Appropriate off-site disposal of all material removed from Former Site D in accordance with all Federal, State, and local rules and regulations for handling, transport, and disposal;
- Evaluation of soil vapor intrusion (SVI) prior to construction of any future enclosed structures, or the re-occupation of existing structures, to determine whether mitigation measures are necessary to eliminate potential exposure to vapors in the proposed or existing structure. Alternatively, an active SVI mitigation system may be installed as an element of the building foundation without first conducting an evaluation;
- Construction of an engineered composite cover consisting of a building slab to prevent human exposure to residual contaminated soil/fill;
- Installation of a vapor barrier system beneath the building slab in Lots 1 and 2 to prevent contaminated soil vapors from migrating into the building;
- Recording of a Deed Restriction, including Institutional Controls (ICs), to prevent future exposure to any residual contamination remaining at the Site;
- Publication of a SMP for long term management of residual contamination as required by the Deed Restriction, including plans for: (1) ICs and Engineering Controls (ECs), (2) monitoring, and (3) reporting; and
- Periodic certification of the ICs and ECs listed above.

2.4.2 OU-2 Implemented Remedy

OU-2 was remediated in accordance with the remedy selected by the NYSDEC in the August 23, 2011 Decision Document and the modified soil cleanup objectives for lead, barium, and mercury. The factors considered during the selection of the remedy are those listed in the NYCRR 375-1.8. The following are the components of the selected remedy:

- Implementation of a Community Air Monitoring Program (CAMP) for particulates and volatile organic compounds (VOC);
- Soil excavation, as required, to a minimum depth of 2 feet below ground surface (ft bgs) to bring the Site to the development grade and accommodate foundation elements and a sub-membrane slab depressurization (SMD) system for the school building development. Construction excavation to approximately 7 ft bgs was required to accommodate an elevator pit on the northeastern portion of the Site;
- Targeted excavation of seven areas of concern (AOC) to depths below construction sub-grade to remove all soil exceeding the SSSCOs. The SSSCOs established for this site were (1) the Part 375 Restricted Use Restricted Residential SCOs for volatile organic compounds (VOCs), PCBs, pesticides, and herbicides; (2) the Part 375 Commercial Use SCOs for metals; and (3) a total semivolatile organic compound (SVOC) concentration of 500 mg/kg with the exception of the following modifications:
    - The SSSCOs for lead and barium were increased to 1,500 mg/kg from the Part 375 Commercial Use SCOs of 1,000 mg/kg and 400 mg/kg, respectively; and
    - The SSSCO for mercury was increased to 5 mg/kg from the Part 375 Commercial Use SCO of 2.8 mg/kg.
- Excavation of characteristic lead hazardous soil (i.e., soil exceeding 5 mg/l for lead via toxicity characteristic leaching procedure [TCLP] analysis);
- Import of recycled concrete aggregate (RCA) conforming to the requirements of NYSDEC Policy DER-10 (Technical Guidance for Site Investigation and Remediation) and New York State

Department of Transportation (NYSDOT) specifications for use in AOC excavation areas as backfill to construction grade;

- Construction and maintenance of an engineered composite cover consisting of a building slab to prevent human exposure to residual contaminated soil/fill;
- Installation of a vapor barrier system beneath the building slab and along exterior slab sidewalls to prevent contaminated soil vapors from migrating into the building;
- Installation of an active sub-membrane depressurization (SMD) system to prevent accumulation and potential migration of contaminated soil vapors into the building;
- Import of virgin stone as backfill beneath the composite cover system in compliance with the Remedial Action Work Plan (RAWP) and in accordance with applicable laws and regulations;
- Sampling and analysis of excavated soil/fill in accordance with the requirements of the selected disposal facilities. The excavated soil/fill was classified and segregated based on the analytical results of soil characterization sampling;
- Collection and analysis of soil endpoint samples in accordance with NYSDEC DER-10 section 5.4(b);
- Transportation and off-site disposal of soil/fill material at permitted facilities in accordance with the RAWP, disposal facility requirements, and applicable laws and regulations for handling, transport, and disposal;
- Screening of imported stone and RCA and excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a photoionization detector (PID);
- Implementation of stormwater pollution prevention measures in compliance with applicable laws and regulations;
- Performance of activities required for the remedial action in compliance with applicable laws and regulations;
- Execution and recording of a Deed Restriction to restrict land use and prevent future exposure to any contamination remaining at the Site;
- Submittal of a CCR that describes the remedial activities, certifies that the remedial requirements have been achieved, describes all Engineering and Institutional Controls to be implemented at the Site, and lists any deviations from this RAWP; and
- Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls; (2) monitoring; (3) operation and maintenance; and (4) reporting.
- Periodic certification of the institutional and engineering controls listed above.

2.4.2.1 OU-2 Addendum to the Implemented Remedy

- Construction of a composite cover system consisting of approximately 2 inches of asphalt across all of Lot 52, except for a 40'x14' section in the rear of the lot that is capped with an approximately 4" concrete;
- Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Deed Restriction, which includes plans for: (1) Institutional and Engineering Controls; (2) monitoring; (3) operation and maintenance; and (4) reporting; and
- Execution and recording of a Deed Restriction to ensure implementation of the SMP and that the Site is only used for allowable uses following remediation.

2.4.3 OU-3 Implemented Remedy

OU-3 was remediated in accordance with the remedy selected by the Remedial Action Work Plan dated November 2015 (revised February 2015), and the Decision Document dated February 20, 2015. The factors considered during the selection of the remedy are those listed in 6NYCRR 375-1.8. The following are the components of the implemented remedy:

- Excavation of soil/fill exceeding Restricted Residential Use SCOs to the extent practical on Lots 46, 47, and 48;
- Screening for indications of contamination (by visual means, odor, and monitoring with PID) of all excavated soil during any intrusive Site work;
- Collection and analysis of end-point samples from Lots 46, 47, and 48 to evaluate the performance of the remedy with respect to attainment of Track 4 SCOs;
- Appropriate off-Site disposal of all material removed from the Site in accordance with all Federal, State and local rules and regulations for handling, transport, and disposal;
- Import of 3/4" clean stone for us as backfill below the building slabs in accordance with all Federal, State and local rules and regulations for handling and transport of material;
- Installation of a sub-slab depressurization system and vapor barrier beneath each of the three new buildings constructed on Lots 46, 47, and 48;
- Construction of a composite cover system consisting of 2 inches of asphalt across all of Lots 49 and 50, the former concrete loading dock and 2 inches of asphalt across all of Lot 45, a minimum of 6 inch thick concrete slab in the cellar of each of the three new buildings on Lots 46, 47, and 48, and a 6 inch thick concrete slab covering the rear courtyards behind each of the buildings on Lots 46, 47, and 48;
- Development and implementation of a Site Management Plan for long-term management of remaining contamination as required by the Deed Restriction, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting; and
- Execution and recording of a Deed Restriction to ensure implementation of the SMP and that the Site is only used for allowable uses following remediation.

2.5 Engineering and Institutional Controls

Since contaminated soil and groundwater remains beneath the Site after completion of the Remedial Action, Institutional and Engineering Controls are required to protect human health and the environment. The EC/ICs for the Site are described in the following subsections.

2.5.1 Engineering Controls

Exposure to remaining contamination in soil and groundwater at the Site is prevented by the Site-wide composite cover system that covers the remaining contamination as described in Section 3.1.1. The location of the various elements of the Site-wide composite cover system are depicted on Figure 3.

<u>OU-1</u>

- Composite Cover System
- Groundwater Treatment Injection Points

<u>OU-2</u>

- Composite Cover System
- Sub-Membrane Depressurization System

OU-3

- Composite Cover System
- Sub-Slab Depressurization System
- Groundwater Treatment Injection Points

2.5.2 Institutional Controls

A series of Institutional Controls are in place to implement, maintain and monitor the Engineering Controls. A Deed Restriction for each OU is in place and requires compliance with these Institutional Controls. The institutional controls are further defined in the SMPs for each OU and include of the following:

- The property may be used for: restricted residential, commercial, or industrial use;
- All ECs must be operated and maintained as specified in the SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH (New York State Department of Health) or the New York City Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP; and
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

3. Remedy Performance and Effectiveness

This section details the Monitoring Plan activities currently implemented to evaluate the performance and effectiveness of the ECs in reducing or mitigating contamination at the Site.

3.1 Monitoring Plan Requirements

The requirements of the Monitoring Plan for the Site are detailed in the respective SMPs for each operable unit and are collectively summarized in Table 1a through 1c below. The respective Monitoring Plan for each operable unit describes the methods to be used for:

- Sampling and analysis of all appropriate media (e.g., groundwater, soil vapor);
- Assessing compliance with applicable NYSDEC standards, criteria and guidance (SCGs), particularly groundwater standards and NYSDOH vapor intrusion guidance;
- Assessing achievement of the remedial performance criteria;
- Evaluating Site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment; and
- Preparing the necessary documents for the various monitoring activities.

Elements of the Monitoring Plan include the following:

- Composite cover system monitoring;
- Groundwater monitoring;
- SSD System monitoring; and
- General Site inspection.

Table 1a. OU-1 Post-Remediation Monitoring Schedule

Inspection/Monitoring Task	Frequency	Analysis
Inspection		
Site-wide Cover System	Annual	None
Site-wide Inspection	Annual	None
Monitoring		
Groundwater: MW-10, MW-19, MW-20, MW-21, MW-22, MW-23, MW-24I, MW-25I, MW-D2, and MW-D2I	Semi-Annual	Target Compound List VOC via USEPA Method 8260C
Indoor Air	Prior to building occupation and annually thereafter (unless otherwise approved by NYSDEC)	VOC via Method TO-15

Table 1b. OU-2 Post-Remediation Monitoring and Schedule

Inspection/Monitoring Task	Frequency	Parameter/Analyses
Composite Cover Monitoring Requirements		
Cover Inspection of Concrete Building Slab – Lot 1	Annual	Inspect for penetrations, holes, cracks, etc. and determine if repair/replacement is required
Cover Inspection of Asphalt and Concrete Walkways – Lot 1, 10[1]	Annual	Inspect for damage and determine if repair/replacement is required
Cover Inspection of Asphalt Pavement and Concrete Rear Section – Lot 52	Quarterly	Inspect for damage and determine if repair/replacement is required
SSD System Monitoring Requirements – Lot 1		
Vacuum Blower	Quarterly	On or Off
Vacuum Gauge	Quarterly	1" W.C. Operating Range
Alarm	Quarterly	Alarm trips when fan shuts off

Table 1c. OU-3 Post-Remediation Inspection and Monitoring Schedule

Inspection/Monitoring Task	Frequency	Parameter/Analyses
Composite Cover Monitoring Requirements		
Cover Inspection- Asphalt Pavement/Concrete (Lots 45, 49, 50)	Quarterly	Inspect for damage, and determine if repair is required
Cover Building Slab (Lots 46, 47 and 48)	Annual	Inspect for penetrations, holes, cracks, perforations, and determine if repair is required
Concrete Capped Rear Yards (Lots 46, 47, and 48)	Annual	Inspect for damage, and determine if repair is required
SSD System Monitoring Requirements – Lots 46,47,48		
Vacuum Fan (RP265)	Annual	On or Off
Magnehelic Meter	Annual	Vacuum at Riser (>0.1" W.C. Operating Range)
Alarm	Annual	Alarm trips when fan shuts off

3.1.1 Composite Cover System Monitoring

Several different cover types exist on the Site that include asphalt, concrete, and building foundations. These covers limit exposure to residual contaminated soil/fill. The cover system is a permanent control, and the existence, quality, and integrity of the system is inspected annually in accordance with the monitoring plan outlined in Tables 1a through 1c.

The composite cover system in OU-2 and OU-3 was inspected by AMC Engineering (AMC) on August 11, 2022 and March 1, 2023. The composite cover system in OU-1 was inspected by AMC on November 11, 2022.

3.1.2 SSD System Monitoring

The OU-2 and OU-3 SSD systems were designed with an electric blower capable of producing enough negative pressure in the sub-slab to remove potential accumulation of vapors. Each vacuum system has a vacuum gauge on the riser accessible for verifying the blower operation. The blower, located on the roof in each operable unit, and installed a minimum distance of 10 feet from any vent or operable windows, is electrically fed from a dedicated circuit. A visual and audible alarm, which signals when the vacuum is lost at the riser, is powered independently from the blower, such that if the blower causes the breaker to trip, the alarm will still provide an alarm status. The blower is designed for continuous operation and will be used continuously.

Monitoring of each SSD system, and its components, was performed on a routine basis, as identified in Tables 1b and 1c. A visual inspection of each complete system was conducted during each monitoring event.

3.1.3 Groundwater Monitoring

OU-1 groundwater monitoring was performed semi-annually in April 2022 to assess the performance of the in-situ chemical injections used to treat CVOCs in groundwater underneath Former Building 25A and former courtyard area (Lot 3), and to evaluate if remaining contamination in soil continued to impact groundwater. A voluntary, additional, full round of sampling was performed in January 2022 to assess the effectiveness of injections 12-months post-injection. Sampling locations, the required analytical parameters, and schedule are provided in Table 1a.

3.1.4 Soil Vapor Intrusion Assessment

In accordance with the June 2018 SMP, annual vapor intrusion (VI) testing was performed in Lot 7501 and Lot 7502 of OU-1 to evaluate vapor intrusion potential. AMC conducted VI testing on September 15-16, 2022. The VI testing included four indoor air samples (two per building) in the basement and first floor levels, and one ambient air quality sample from outside the building. Sample results were compared to the New York State Department of Health (NYSDOH) Soil Vapor Intrusion (SVI) Guidance.

The results showed trichloroethene (TCE) in the outdoor ambient air sample only. Carbon tetrachloride was found in all indoor air samples and the outdoor ambient air sample at concentrations exceeding the Guidance value. Methylene chloride was found in one indoor air sample above its Guidance Value. This sample was collected on the first floor of the building in Lot 7502 that is currently unoccupied and under construction. This sample was collected on the first floor above a basement space that exhibited low-level concentrations of methylene chloride. It is not assumed the methylene chloride is a result of vapor intrusion. A vapor intrusion assessment will be performed again prior to building occupancy.

Based on the laboratory results, the concentrations of VOCs require no further action at Lot 7501 and resampling at Lot 7502 prior to building occupancy. The Vapor Intrusion Reports, including sampling methodologies and results, are included in Appendix A. The results are discussed further in Section 3.2.6.

3.2 Monitoring Plan Results

The following sections describe the results of the Monitoring Program for the certification period.

3.2.1 OU-1 Site Inspection

AMC conducted a periodic inspection of OU-1 on November 11, 2022. The inspection was conducted in accordance with the inspection schedule as presented in Section 3.1 and the Monitoring and Inspection Forms for Lots 7501, 7502, 3, and 51 are included in Appendix A.

As a result of the 2019 SVI Assessment performed in OU-1, the NYSDEC required a vapor barrier be added to the design plans for the proposed new building in Lots 7501 and 7502, and that no further soil vapor mitigation action was required at former Building 25 in Lot 51. According to the SMP approved by NYSDEC in June 2018, because the building in Lots 7501 and 7502 have foundations extending to the water table, a SSDS was not feasible as part of the remedy and water proofing would be installed as the vapor barrier. Therefore, the potential for soil vapor intrusion in the newly constructed building was evaluated with the collection and analysis of indoor air annually. SVI Assessment results are detailed in Section 3.2.6.

At the time of the 2022 Site inspection, former Building 25 in Lot 51 had been occupied as a three-story office building with a basement in the south portion of the building. AMC observed the concrete slab in the basement in good condition with no visible cracks nor other evidence of damage.

During the site cover inspection, AMC observed the concrete slab of the new building basement in Lots 7501 and 7502 in good condition with no cracks or other evidence of damage noted. Lot 3 is being used as a parking lot. The cover system in Lot 3 was observed in good condition with no visible cracks or exposed soil.

The existing conditions of OU-1 observed during the Site inspection are listed below in Table 2a.

Table 2a. OU-1 Existing Site Conditions

Operable Unit	Block	Lot	Engineering Control	Existing Site Conditions
OU-1	2269	7501	Composite Cover System; Soil Vapor Barrier; Soil Vapor Intrusion Assessment	Redevelopment complete. Site Cover system in place.
		7502		
		3	Composite Cover System	Parking Lot
		51	Composite Cover System	Office building

3.2.2 OU-2 Site Inspection

The Site Cover System and SSDS were inspected by Ariel Czemerinski, P.E. of AMC on August 11, 2022. The inspection was conducted in accordance with the inspection schedule presented in Section 3.1 and the Monitoring and Inspection Form included in Appendix B. AMC certified the Engineering Controls in place were properly functioning (Appendix B).

The existing conditions of OU-2 as observed during the Site inspection are listed below in Table 2b.

Table 2b. OU-2 Existing Site Conditions

Operable Unit	Block	Lot	Engineering Control	Existing Site Conditions
OU-2	2266	1	Composite Cover System; Soil Vapor Barrier; SSDS	Bais Ruchel High School and Day Care
		10	Composite Cover System	Paved parking area
		52	Composite Cover System	Paved lot

3.2.3 OU-3 Site Inspection

The Site Cover System and SSDS of Lots 45 through 49 were inspected and certified by Ariel Czemerinski, P.E., of AMC between August 11, 2022 and September 15, 2022, and March 1, 2023. The inspection was conducted in accordance with the inspection schedule as presented in Section 3.1, and the Monitoring and Inspection Forms are included in Appendix C. AMC certified the Engineering Controls in place were properly functioning with the exception of Lot 45, 49, and 50 that are all currently under construction.

The previous cap in Lot 45 has been replaced by a building under construction, the Lot is now capped by the new building, with the rear of the property capped with concrete. During the March 1, 2023 site cover inspection, AMC observed the concrete slab of the new building basement in Lot 45 in good condition with no cracks or other evidence of damage noted. The previous cap in Lot 49 (previously Lot 49 and 50) has been replaced by a building under construction. The Lot is now capped entirely by the new building. During the site cover inspection performed on March 1, 2023, AMC observed the concrete slab of the new building basement in Lot 49 in good condition with no cracks or other evidence of damage noted. Lots 46, 47, and 48 were observed in good condition with all engineering controls in place.

The existing Site conditions of OU-3 observed during the Site inspection are listed below in Table 2c.

Table 2c. OU-3 Existing Site Conditions

Operable Unit	Block	Lot	Engineering Control	Existing Site Conditions
OU-3	2266	45	Composite Cover System	Redevelopment complete. Site Cover System in Place.
		46	Composite Cover System; SSDS; Soil Vapor Barrier	Residential apartment buildings
		47		
		48		
		49	Composite cover system	Redevelopment complete. Site Cover System in Place.
		50		

3.2.4 Groundwater Monitoring Results

Groundwater sampling, as required by the RAWP, was conducted quarterly from April 2016 to October 2019, and then semi-annually from April 2020 to April 2022 to monitor results of the groundwater treatment injection program. Analytical results of the sampling events are included in Tables 3 and 4, and Plate 1.

The most recent groundwater sampling events were performed on January 26, 2022 and on April 28, 2022, representing the fourth and fifth sampling event following the November 2020 *In Situ* injection event, and the fifteenth and sixteenth sampling event following the first *In Situ* Chemical Oxidation (ISCO) injection round performed in 2016. The results of this groundwater sampling event are provided in Tables 3 and 4, and demonstrate declining CVOC concentrations, and a generally improving groundwater quality since the October 2020 (pre-injection, baseline) groundwater sampling round.

For the third consistent sampling event, total CVOC concentrations in all monitoring wells from within, and outside of, the Radius of Influence (ROI) are now below 1,000 ug/L. The average total CVOC concentration of wells within the ROI shows continuous decline. This suggests that the aquifer matrix has stabilized and is continuing to degrade the remaining contaminants.

3.2.5 Soil Vapor Intrusion Results

In accordance with the June 2018 SMP, annual vapor intrusion (VI) testing was performed in Lot 7501 and Lot 7502 of OU-1 to evaluate vapor intrusion potential. AMC conducted VI testing on September 15-16, 2022. Results are presented in Appendix A. Soil vapor results exhibited detections of VOCs in indoor air and ambient air. The results were compared to the applicable Matrices A, B, and C of the New York State Department of Health (NYSDOH) Soil Vapor Intrusion (SVI) Guidance for evaluating vapor intrusion in New York State.

TCE, Carbon tetrachloride, and methylene chloride were detected in indoor air samples at concentrations above the respective minimal values for Indoor Air at their respective Matrix level. TCE was detected in the outdoor ambient air sample (AA-5) only. Carbon tetrachloride was detected in all four samples indoor air samples and the outdoor ambient air sample above the concentration guidelines. It is assumed the source of the Carbon tetrachloride is a result of an outdoor source. Methylene chloride was detected in indoor air sample IA-4 at a concentration of 18.6 ug/m^3. This sample was collected on the first floor of the building in Lot 7502 that is currently unoccupied and under construction. This sample was collected on the first floor above a basement space that exhibited non-detect concentrations of methylene chloride. It is not assumed the methylene chloride is a result of vapor intrusion. A vapor intrusion assessment will be performed again prior to building occupancy.

Based on the laboratory results, the concentrations of VOCs require no further action at Lot 1 and retesting at Lot 2 prior to building occupancy. The Vapor Intrusion Reports, including sampling methodologies and results, are included in Appendix A.

3.3 IC/EC Certification

Institutional and engineering controls (IC/ECs) established for the Site in accordance with the OU-1, OU-2, and OU-3 SMPs include a composite cover system, SSDS, semi-annual groundwater monitoring, and an environmental easement or deed restriction. The cover system includes asphalt, concrete walkways, and building foundations. These controls are currently in place and protective of public health and the environment for all occupied buildings. An IC/EC Certification Form for the engineering controls has been certified under the current conditions and is completed as applicable in in Appendix D for all lots in OU-1, OU-2, and OU-3.

4. Conclusions and Recommendations

The following sections present conclusions and recommendations from the inspections and monitoring activities completed during this certification period.

4.1 Conclusions

The engineering controls for all lots in OU-1, OU-2, and OU-3 are in place and properly functioning.

The results of the groundwater monitoring in the target area in OU-1 and downgradient across Gerry Street indicated continuously low, stable concentrations of CVOCs well below the 1,000 ug/L threshold in all monitoring wells. Groundwater quality will continue to be evaluated.

4.2 Recommendations

Continued annual inspection of Site Cover System in all Lots within OU-1, OU-2, and OU-3.

Vapor intrusion sampling will be performed in OU-1 prior to building occupancy to ensure all sources of CVOCs have been removed once construction is complete.

No further active remediation of groundwater is recommended.

TABLES

Notes Utilized Throughout Tables	
Groundwater Tables	
J -	Estimated Value
U -	Compound was analyzed for but not detected
FD -	Duplicate
NA -	Compound was not analyzed for by laboratory
µg/L -	Micrograms per liter
NYSDEC -	New York State Department of Environmental Conservation
AWQSGVs -	Ambient Water-Quality Standards and Guidance Values
--	No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs	

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-9	MW-9	MW-9
Sample Date:			04/06/2016	07/20/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/30/2018	07/03/2018	10/10/2018	01/10/2019	04/04/2019	07/09/2019	10/03/2019	10/03/2019	04/06/2016	07/19/2016	10/11/2016
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
1,1,1,2-Tetrachloroethane	5	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
1,1,1-Trichloroethane (TCA)	5	UG/L	25 U	25 U	25 U	50 U	2.5 U	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	5 U	5 U	NA	NA	0.5 U	5 U	2.5 U	NA	1.2 U	0.5 U	5 U	10 U	NA	NA	0.5 U	0.5 U	NA
1,1,2-Trichloroethane	**1**	UG/L	15 U	15 U	NA	NA	1.5 U	15 U	7.5 U	NA	3.8 U	1.5 U	15 U	30 U	NA	NA	1.5 U	1.5 U	NA
1,1-Dichloroethane	**5**	UG/L	25 U	25 U	25 U	50 U	2.5 U	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	**5**	UG/L	5 U	1.4 J	5 U	10 U	2	5 U	0.9 J	0.71 J	0.63 J	0.19 J	5 U	4.9 J	4 J	3.4 J	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
1,2,3-Trichlorobenzene	5	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
1,2,3-Trichloropropane	0.04	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
1,2,4,5-Tetramethylbenzene	5	UG/L	20 U	20 U	NA	NA	2 U	20 U	10 U	NA	5 U	2 U	20 U	40 U	NA	NA	2 U	2 U	NA
1,2,4-Trichlorobenzene	5	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
1,2,4-Trimethylbenzene	5	UG/L	25 U	25 U	25 U	50 U	2.5 U	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	20 U	20 U	NA	NA	2 U	20 U	10 U	NA	5 U	2 U	20 U	40 U	NA	NA	2 U	2 U	NA
1,2-Dichlorobenzene	3	UG/L	25 U	25 U	25 U	50 U	2.5 U	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	**0.6**	UG/L	5 U	5 U	5 U	10 U	0.5 U	5 U	2.5 U	1.2 U	1.2 U	0.5 U	5 U	10 U	10 U	10 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	10 U	10 U	NA	NA	1 U	10 U	5 U	NA	2.5 U	1 U	10 U	20 U	NA	NA	1 U	1 U	NA
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	25 U	25 U	25 U	50 U	2.5 U	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	25 U	25 U	25 U	50 U	2.5 U	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
1,4-Dichlorobenzene	3	UG/L	25 U	25 U	25 U	50 U	2.5 U	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	20 U	20 U	NA	NA	2 U	20 U	10 U	NA	5 U	2 U	20 U	40 U	NA	NA	2 U	2 U	NA
1,4-Dioxane (P-Dioxane)	--	UG/L	2500 U	2500 U	2500 U	5000 U	250 U	2500 U	1200 U	620 U	620 U	250 U	2500 U	5000 U	5000 U	5000 U	250 U	250 U	250 U
2,2-Dichloropropane	5	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
2-Chlorotoluene	5	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
2-Hexanone	50	UG/L	50 U	50 U	NA	NA	5 U	50 U	25 U	NA	12 U	5 U	50 U	100 U	NA	NA	5 U	5 U	NA
4-Chlorotoluene	5	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
4-Ethyltoluene	--	UG/L	20 U	20 U	NA	NA	2 U	20 U	10 U	NA	5 U	2 U	20 U	40 U	NA	NA	2 U	2 U	NA
Acetone	**50**	UG/L	50 U	50 U	50 U	100 U	5 U	50 U	25 U	12 U	12 U	5 U	50 U	100 U	100 U	100 U	5 U	5 U	5 U
Acrylonitrile	5	UG/L	50 U	50 U	NA	NA	5 U	50 U	25 U	NA	12 U	5 U	50 U	100 U	NA	NA	5 U	5 U	NA
Benzene	**1**	UG/L	5 U	5 U	5 U	10 U	0.18 J	5 U	2.5 U	1.2 U	1.2 U	0.5 U	5 U	10 U	10 U	10 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
Bromochloromethane	5	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
Bromodichloromethane	50	UG/L	5 U	5 U	NA	NA	0.5 U	5 U	2.5 U	NA	1.2 U	0.5 U	5 U	10 U	NA	NA	0.5 U	0.5 U	NA
Bromoform	50	UG/L	20 U	20 U	NA	NA	2 U	20 U	10 U	NA	5 U	2 U	20 U	40 U	NA	NA	2 U	2 U	NA
Bromomethane	**5**	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
Carbon Disulfide	60	UG/L	50 U	50 U	NA	NA	5 U	50 U	25 U	NA	12 U	5 U	50 U	100 U	NA	NA	5 U	5 U	NA
Carbon Tetrachloride	5	UG/L	5 U	5 U	5 U	10 U	0.5 U	5 U	2.5 U	1.2 U	1.2 U	0.5 U	5 U	10 U	10 U	10 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	25 U	25 U	25 U	50 U	2.5 U	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
Chloroethane	**5**	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
Chloroform	7	UG/L	25 U	25 U	25 U	50 U	2.5 U	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
Chloromethane	**5**	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
Cis-1,2-Dichloroethylene	**5**	UG/L	**580**	**810**	**750**	**1000**	**880**	**820**	**470**	**350**	**340**	**140**	**880**	**2700**	**2800**	**2500**	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	5	UG/L	5 U	5 U	NA	NA	0.5 U	5 U	2.5 U	NA	1.2 U	0.5 U	5 U	10 U	NA	NA	0.5 U	0.5 U	NA
Cymene	5	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
Dibromochloromethane	50	UG/L	5 U	5 U	NA	NA	0.5 U	5 U	2.5 U	NA	1.2 U	0.5 U	5 U	10 U	NA	NA	0.5 U	0.5 U	NA
Dibromomethane	5	UG/L	50 U	50 U	NA	NA	5 U	50 U	25 U	NA	12 U	5 U	50 U	100 U	NA	NA	5 U	5 U	NA
Dichlorodifluoromethane	5	UG/L	50 U	50 U	NA	NA	5 U	50 U	25 U	NA	12 U	5 U	50 U	100 U	NA	NA	5 U	5 U	NA
Dichloroethylenes	**5**	UG/L	**580**	**810**	**750**	**1000**	**890**	**820**	**470**	**350 J**	**340 J**	**140 J**	**880**	**2700**	**2800**	**2500**	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
Ethylbenzene	5	UG/L	25 U	25 U	25 U	50 U	2.5 U	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit	MW-8 04/06/2016 N	MW-8 07/20/2016 N	MW-8 10/11/2016 N	MW-8 04/27/2017 N	MW-8 07/18/2017 N	MW-8 11/22/2017 N	MW-8 03/30/2018 N	MW-8 07/03/2018 N	MW-8 10/10/2018 N	MW-8 01/10/2019 N	MW-8 04/04/2019 N	MW-8 07/09/2019 N	MW-8 10/03/2019 N	MW-8 10/03/2019 FD	MW-9 04/06/2016 N	MW-9 07/19/2016 N	MW-9 10/11/2016 N
Isopropylbenzene (Cumene)	5	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
m,p-Xylene	5	UG/L	25 U	25 U	25 U	50 U	2.5 U	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
Methane	--	UG/L	NA	NA	NA	110	NA	102	77.7	115	104	7.29	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	50 U	50 U	50 U	100 U	5 U	50 U	25 U	12 U	12 U	5 U	50 U	100 U	100 U	100 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	50 U	50 U	NA	NA	5 U	50 U	25 U	NA	12 U	5 U	50 U	100 U	NA	NA	5 U	5 U	NA
Methylene Chloride	**5**	UG/L	25 U	25 U	25 U	50 U	2.5 U	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
N-Butylbenzene	5	UG/L	25 U	25 U	25 U	50 U	2.5 U	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	25 U	25 U	25 U	50 U	2.5 U	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	25 U	25 U	25 U	50 U	2.5 U	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L	25 U	25 U	25 U	50 U	2.5 U	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
T-Butylbenzene	5	UG/L	25 U	25 U	25 U	50 U	2.5 U	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	25 U	25 U	25 U	50 U	0.77 J	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	1.1 J	1.1 J	1.2 J
Tetrachloroethylene (PCE)	**5**	UG/L	**22**	**36**	**20**	**19**	**31**	**27**	**16**	**12**	2.3	4.2	**9.4**	**56**	**61**	**57**	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	25 U	25 U	25 U	50 U	2.5 U	25 U	12 U	6.2 U	6.2 U	2.5 U	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	5 U	5 U	NA	NA	0.5 U	5 U	2.5 U	NA	1.2 U	0.5 U	5 U	10 U	NA	NA	0.5 U	0.5 U	NA
Trans-1,2-Dichloroethene	**5**	UG/L	25 U	25 U	25 U	50 U	**5.2**	25 U	12 U	2.7 J	2.8 J	0.87 J	25 U	50 U	50 U	50 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	5 U	5 U	NA	NA	0.5 U	5 U	2.5 U	NA	1.2 U	0.5 U	5 U	10 U	NA	NA	0.5 U	0.5 U	NA
Trans-1,4-Dichloro-2-Butene	5	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
Trichloroethylene (TCE)	**5**	UG/L	**50**	**68**	**38**	**54**	**85**	**56**	**26**	**21**	**5.3**	**6.8**	**18**	**97**	**90**	**90**	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA
Vinyl Acetate	--	UG/L	50 U	50 U	NA	NA	5 U	50 U	25 U	NA	12 U	5 U	50 U	100 U	NA	NA	5 U	5 U	NA
Vinyl Chloride	**2**	UG/L	**19**	**11**	**19**	**34**	**12**	**24**	**26**	**34**	**77**	1	**4.6 J**	**18 J**	**22**	**25**	1 U	1 U	1 U
Xylenes	5	UG/L	25 U	25 U	NA	NA	2.5 U	25 U	12 U	NA	6.2 U	2.5 U	25 U	50 U	NA	NA	2.5 U	2.5 U	NA

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-9	MW-9	MW-9	MW-9	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
Sample Date:			04/27/2017	07/18/2017	11/27/2017	11/27/2017	04/06/2016	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/27/2017	03/29/2018	08/21/2018	10/09/2018	01/10/2019	04/04/2019	07/09/2019	10/04/2019
Normal or Field Duplicate:			N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
1,1,1,2-Tetrachloroethane	5	UG/L	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	NA
1,1,2-Trichloroethane	**1**	UG/L	NA	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	NA	NA	1.5 U	1.5 U	1.5 U	1.5 U	6 U	1.5 U	1.5 U	1.5 U	NA
1,1-Dichloroethane	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	**5**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8 J	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
1,2,3-Trichlorobenzene	5	UG/L	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
1,2,3-Trichloropropane	0.04	UG/L	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
1,2,4,5-Tetramethylbenzene	5	UG/L	NA	2 U	2 U	2 U	2 U	2 U	NA	NA	2 U	2 U	2 U	2 U	8 U	2 U	2 U	2 U	NA
1,2,4-Trichlorobenzene	5	UG/L	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	NA	2 U	2 U	2 U	2 U	2 U	NA	NA	2 U	2 U	2 U	2 U	8 U	2 U	2 U	2 U	NA
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	**0.6**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	NA	1 U	1 U	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U	1 U	4 U	1 U	1 U	1 U	NA
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	NA	2 U	2 U	2 U	2 U	2 U	NA	NA	2 U	2 U	2 U	2 U	8 U	2 U	2 U	2 U	NA
1,4-Dioxane (P-Dioxane)	--	UG/L	250 U	250 U	250 U	250 U	250 U	250 U	2500 U	250 U	250 U	250 U	250 U	250 U	1000 U	250 U	250 U	250 U	250 U
2,2-Dichloropropane	5	UG/L	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
2-Chlorotoluene	5	UG/L	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
2-Hexanone	50	UG/L	NA	5 U	5 U	5 U	5 U	5 U	NA	NA	5 U	5 U	5 U	5 U	20 U	5 U	5 U	5 U	NA
4-Chlorotoluene	5	UG/L	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
4-Ethyltoluene	--	UG/L	NA	2 U	2 U	2 U	2 U	2 U	NA	NA	2 U	2 U	2 U	2 U	8 U	2 U	2 U	2 U	NA
Acetone	**50**	UG/L	5 U	5 U	3.1 J	3.7 J	5 U	5 U	50 U	5 U	5 U	5 U	5 U	1.6 J	20 U	5 U	5 U	4.9 J	5 U
Acrylonitrile	5	UG/L	NA	5 U	5 U	5 U	5 U	5 U	NA	NA	5 U	5 U	5 U	5 U	20 U	5 U	5 U	5 U	NA
Benzene	**1**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
Bromochloromethane	5	UG/L	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
Bromodichloromethane	50	UG/L	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	NA
Bromoform	50	UG/L	NA	2 U	2 U	2 U	2 U	2 U	NA	NA	2 U	2 U	2 U	2 U	8 U	2 U	2 U	2 U	NA
Bromomethane	**5**	UG/L	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
Carbon Disulfide	60	UG/L	NA	5 U	5 U	5 U	5 U	5 U	NA	NA	5 U	5 U	5 U	5 U	20 U	5 U	5 U	5 U	NA
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	**5**	UG/L	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	**5**	UG/L	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
Cis-1,2-Dichloroethylene	**5**	UG/L	2.5 U	1.9 J	2.5 U	2.5 U	2.5 U	**18**	**630**	0.83 J	0.86 J	**46**	2.4 J	**14**	**500**	**26**	2.5 U	1.3 J	**26**
Cis-1,3-Dichloropropene	5	UG/L	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	NA
Cymene	5	UG/L	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
Dibromochloromethane	50	UG/L	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	NA
Dibromomethane	5	UG/L	NA	5 U	5 U	5 U	5 U	5 U	NA	NA	5 U	5 U	5 U	5 U	20 U	5 U	5 U	5 U	NA
Dichlorodifluoromethane	5	UG/L	NA	5 U	5 U	5 U	5 U	5 U	NA	NA	5 U	5 U	5 U	5 U	20 U	5 U	5 U	5 U	NA
Dichloroethylenes	**5**	UG/L	2.5 U	1.9 J	2.5 U	2.5 U	2.5 U	**18**	**630**	0.83 J	0.86 J	**46**	2.4 J	**14**	**500**	**26**	2.5 U	1.3 J	**26**
Diethyl Ether (Ethyl Ether)	--	UG/L	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit	Sample Designation:	MW-9	MW-9	MW-9	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
			Sample Date:	04/27/2017	07/18/2017	11/27/2017	11/27/2017	04/06/2016	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/27/2017	03/29/2018	08/21/2018	10/09/2018	01/10/2019	04/04/2019	07/09/2019	10/04/2019
			Normal or Field Duplicate:	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N
Isopropylbenzene (Cumene)	5	UG/L		NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
m,p-Xylene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
Methane	--	UG/L		700	NA	1370	1470	NA	NA	NA	456	NA	409	419	1230	5020	5690	NA	NA	1320
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L		5 U	5 U	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	5 U	20 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L		NA	5 U	5 U	5 U	5 U	5 U	NA	NA	5 U	5 U	5 U	5 U	20 U	5 U	5 U	5 U	NA
Methylene Chloride	**5**	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L		NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
N-Butylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L		NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
T-Butylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L		1.2 J	1.3 J	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	**5**	UG/L		0.5 U	0.5 U	0.48 J	0.5	0.5 U	0.59	5 U	0.5 U	0.29 J	1.6	0.93	0.76	1 J	**16**	0.36 J	0.44 J	1.2
Toluene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L		NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	NA
Trans-1,2-Dichloroethene	**5**	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L		NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	NA
Trans-1,4-Dichloro-2-Butene	5	UG/L		NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
Trichloroethylene (TCE)	**5**	UG/L		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.55	5 U	0.5 U	0.5 U	1.6	0.27 J	0.51	2.2	4.9	0.5 U	0.21 J	0.5
Trichlorofluoromethane	5	UG/L		NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA
Vinyl Acetate	--	UG/L		NA	5 U	5 U	5 U	5 U	5 U	NA	NA	5 U	5 U	5 U	5 U	20 U	5 U	5 U	5 U	NA
Vinyl Chloride	**2**	UG/L		1 U	1 U	1 U	1 U	0.33 J	**11**	**130**	**2.9**	**2.6**	**24**	**3.3**	**15**	**160**	**10**	1.9	**3.5**	**13**
Xylenes	5	UG/L		NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	10 U	2.5 U	2.5 U	2.5 U	NA

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-16R	MW-16R	MW-16R	MW-16R	MW-16R	MW-16R	MW-16R	MW-16R	MW-16R
Sample Date:			05/28/2020	05/28/2020	10/27/2020	01/26/2021	04/28/2021	10/27/2021	01/26/2022	04/28/2022	07/20/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/30/2018	07/02/2018	10/09/2018	01/10/2019
Normal or Field Duplicate:			N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
1,1,1,2-Tetrachloroethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	2.5 U	5 U	5 U	5 U	2.5 U	25 U
1,1,2,2-Tetrachloroethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2 U	NA	NA	0.5 U	1 U	1 U	NA	0.5 U	5 U
1,1,2-Trichloroethane	**1**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	6 U	NA	NA	1.5 U	3 U	3 U	NA	1.5 U	15 U
1,1-Dichloroethane	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	**5.4 J**	**5.1 J**	**6 J**	**6.3**	**6.1**	**5.5**	4.8 J	**9**	**11 J**
1,1-Dichloroethene	**5**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.43 J	0.33 J	0.37 J	0.64 J	0.64 J	0.6 J	0.63	0.67 J	0.71 J	0.71 J	0.26 J	5 U
1,1-Dichloropropene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
1,2,3-Trichlorobenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
1,2,3-Trichloropropane	0.04	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
1,2,4,5-Tetramethylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	8 U	NA	NA	2 U	4 U	4 U	NA	2 U	20 U
1,2,4-Trichlorobenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	2.5 U	5 U	5 U	5 U	2.5 U	25 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	8 U	NA	NA	2 U	4 U	4 U	NA	2 U	20 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	2.5 U	5 U	5 U	5 U	2.5 U	25 U
1,2-Dichloroethane	**0.6**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	**1 J**	**1 J**	**1.1 J**	**1.6**	**1.4**	**1.1**	**1.1**	**1.4**	5 U
1,2-Dichloropropane	1	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	4 U	NA	NA	1 U	2 U	2 U	NA	1 U	10 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	2.5 U	5 U	5 U	5 U	2.5 U	25 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	2.5 U	5 U	5 U	5 U	2.5 U	25 U
1,3-Dichloropropane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	2.5 U	5 U	5 U	5 U	2.5 U	25 U
1,4-Diethyl Benzene	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	8 U	NA	NA	2 U	4 U	4 U	NA	2 U	20 U
1,4-Dioxane (P-Dioxane)	--	UG/L	250 U	250 U	250 U	250 U	250 U	500 U	250 U	500 U	1000 U	620 U	620 U	250 U	500 U	500 U	500 U	100 J	2500 U
2,2-Dichloropropane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
2-Chlorotoluene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
2-Hexanone	50	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	20 U	NA	NA	5 U	10 U	10 U	NA	5 U	50 U
4-Chlorotoluene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
4-Ethyltoluene	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	8 U	NA	NA	2 U	4 U	4 U	NA	2 U	20 U
Acetone	**50**	UG/L	5 U	5 U	5 U	5 U	5 U	10 U	5 U	10 U	20 U	12 U	12 U	5 U	10 U	10 U	10 U	2.2 J	50 U
Acrylonitrile	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	20 U	NA	NA	5 U	10 U	10 U	NA	5 U	50 U
Benzene	**1**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	2 U	1.2 U	1.2 U	0.5 U	1 U	1 U	1 U	0.5 U	5 U
Bromobenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
Bromochloromethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
Bromodichloromethane	50	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2 U	NA	NA	0.5 U	1 U	1 U	NA	0.5 U	5 U
Bromoform	50	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	8 U	NA	NA	2 U	4 U	4 U	NA	2 U	20 U
Bromomethane	**5**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
Carbon Disulfide	60	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	20 U	NA	NA	5 U	10 U	10 U	NA	5 U	50 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	2 U	1.2 U	1.2 U	0.5 U	1 U	1 U	1 U	0.5 U	5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	2.5 U	5 U	5 U	5 U	2.5 U	25 U
Chloroethane	**5**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	2.5 U	5 U	5 U	5 U	2.5 U	25 U
Chloromethane	**5**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
Cis-1,2-Dichloroethylene	**5**	UG/L	2.5 U	2.5 U	0.92 J	0.76 J	2.5 U	**220**	**170**	**230**	**210**	**220**	**170**	**180**	**160**	**150**	**170**	**71**	**37**
Cis-1,3-Dichloropropene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2 U	NA	NA	0.5 U	1 U	1 U	NA	0.5 U	5 U
Cymene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
Dibromochloromethane	50	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	2 U	NA	NA	0.5 U	1 U	1 U	NA	0.5 U	5 U
Dibromomethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	20 U	NA	NA	5 U	10 U	10 U	NA	5 U	50 U
Dichlorodifluoromethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	20 U	NA	NA	5 U	10 U	10 U	NA	5 U	50 U
Dichloroethylenes	**5**	UG/L	2.5 U	2.5 U	0.92 J	0.76 J	2.5 U	**220**	**170**	**230**	**210**	**220**	**170**	**180 J**	**160 J**	**150**	**170 J**	**73 J**	**37**
Diethyl Ether (Ethyl Ether)	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	3.2	1.9 J	2 J	NA	3	25 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	2.5 U	5 U	5 U	5 U	2.5 U	25 U
Hexachlorobutadiene	0.5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit	Sample Designation:	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-16R	MW-16R	MW-16R	MW-16R	MW-16R	MW-16R	MW-16R	MW-16R	MW-16R
			Sample Date:	05/28/2020	05/28/2020	10/27/2020	01/26/2021	04/28/2021	10/27/2021	01/26/2022	04/28/2022	07/20/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/30/2018	07/02/2018	10/09/2018	01/10/2019
			Normal or Field Duplicate:	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Isopropylbenzene (Cumene)	5	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
m,p-Xylene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	2.5 U	5 U	5 U	5 U	2.5 U	25 U
Methane	--	UG/L		NA	NA	NA	191	408	1690	NA	80.7	NA	NA	198	NA	237	225	228	175	135
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L		5 U	5 U	5 U	5 U	5 U	10 U	5 U	10 U	20 U	12 U	12 U	5 U	10 U	10 U	10 U	5 U	50 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	20 U	NA	NA	5 U	10 U	10 U	NA	5 U	50 U
Methylene Chloride	**5**	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	2.5 U	5 U	5 U	5 U	2.5 U	25 U
Naphthalene	10	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
N-Butylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	2.5 U	5 U	5 U	5 U	2.5 U	25 U
N-Propylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	2.5 U	5 U	5 U	5 U	2.5 U	25 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	2.5 U	5 U	5 U	5 U	2.5 U	25 U
Sec-Butylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	2.5 U	5 U	5 U	5 U	2.5 U	25 U
Styrene	5	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
T-Butylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	2.5 U	5 U	5 U	5 U	2.5 U	25 U
Tert-Butyl Methyl Ether	10	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	0.7 J	5 U	5 U	5 U	0.85 J	25 U
Tetrachloroethylene (PCE)	**5**	UG/L		0.41 J	0.28 J	0.18 J	0.22 J	0.5 U	**18**	**18**	**30**	2 U	1.2 U	1.2 U	0.5 U	1 U	1 U	1 U	0.5 U	5 U
Toluene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	2.5 U	5 U	5 U	5 U	2.5 U	25 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	2 U	NA	NA	0.5 U	1 U	1 U	NA	0.5 U	5 U
Trans-1,2-Dichloroethene	**5**	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	6.2 U	6.2 U	1.3 J	1.5 J	5 U	1.6 J	1.6 J	25 U
Trans-1,3-Dichloropropene	--	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	2 U	NA	NA	0.5 U	1 U	1 U	NA	0.5 U	5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
Trichloroethylene (TCE)	**5**	UG/L		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**5.9**	**8.7**	**7.8**	2 U	1.2 U	1.2 U	0.5 U	1 U	1 U	1 U	0.5 U	5 U
Trichlorofluoromethane	5	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U
Vinyl Acetate	--	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	20 U	NA	NA	5 U	10 U	10 U	NA	5 U	50 U
Vinyl Chloride	**2**	UG/L		0.72 J	1.2	0.5 J	0.61 J	1.5	**100**	**78**	**51**	**350**	**310**	**410**	**370**	**250**	**300**	**230**	**430**	**520**
Xylenes	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	10 U	NA	NA	2.5 U	5 U	5 U	NA	2.5 U	25 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-16R	MW-16R	MW-16R	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18
Sample Date:			04/04/2019	07/09/2019	10/04/2019	04/06/2016	07/20/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/30/2018	07/02/2018	07/02/2018	10/09/2018	01/11/2019	04/04/2019	04/04/2019	07/09/2019
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	FD	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	NA	10 U	0.5 U	NA	NA	2 U	0.5 U	1 U	NA	NA	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	**1**	UG/L	1.5 U	1.5 U	NA	30 U	1.5 U	NA	NA	6 U	1.5 U	3 U	NA	NA	3 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	**5**	UG/L	**10**	**9.8**	**9.8**	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	**5**	UG/L	0.32 J	0.55	0.68	10 U	0.5 U	0.5 U	1 U	0.82 J	0.3 J	1 U	1.2 U	1 U	0.34 J	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	NA	40 U	2 U	NA	NA	8 U	2 U	4 U	NA	NA	4 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	NA	40 U	2 U	NA	NA	8 U	2 U	4 U	NA	NA	4 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	**0.6**	UG/L	**1.8**	**1.6**	**1.9**	10 U	0.5 U	0.5 U	1 U	2 U	0.14 J	1 U	1.2 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	NA	20 U	1 U	NA	NA	4 U	1 U	2 U	NA	NA	2 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	NA	40 U	2 U	NA	NA	8 U	2 U	4 U	NA	NA	4 U	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	--	UG/L	250 U	82 J	250 U	5000 U	250 U	250 U	500 U	1000 U	250 U	500 U	620 U	500 U	500 U	250 U	250 U	250 U	250 U
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	NA	100 U	5 U	NA	NA	20 U	5 U	10 U	NA	NA	10 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	NA	40 U	2 U	NA	NA	8 U	2 U	4 U	NA	NA	4 U	2 U	2 U	2 U	2 U
Acetone	**50**	UG/L	5 U	1.7 J	5 U	100 U	**89**	**66**	6.2 J	20 U	5 U	10 U	12 U	10 U	10 U	5 U	5 U	5 U	5 U
Acrylonitrile	5	UG/L	5 U	5 U	NA	100 U	5 U	NA	NA	20 U	5 U	10 U	NA	NA	10 U	5 U	5 U	5 U	5 U
Benzene	**1**	UG/L	0.5 U	0.5 U	0.18 J	**10**	0.67	0.39 J	**2**	**2.8**	**1.8**	**2.9**	**2.7**	**2.3**	**1.2**	0.5 U	**1.9**	**1.8**	**2.6**
Bromobenzene	5	UG/L	2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	NA	10 U	0.5 U	NA	NA	2 U	0.5 U	1 U	NA	NA	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	UG/L	2 U	2 U	NA	40 U	2 U	NA	NA	8 U	2 U	4 U	NA	NA	4 U	2 U	2 U	2 U	2 U
Bromomethane	**5**	UG/L	2.5 U	2.5 U	NA	50 U	1.7 J	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	NA	100 U	5 U	NA	NA	20 U	5 U	10 U	NA	NA	10 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	1 U	2 U	0.5 U	1 U	1.2 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	**5**	UG/L	2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	**25**	**21**	**28**	NA	NA	1.4 J	2.5 U	**10**	**9.6**	**5.9**
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	**5**	UG/L	2.5 U	2.5 U	NA	50 U	1 J	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	**5**	UG/L	**67**	**86**	**100**	**980**	**60**	**33**	**160**	**440**	**160**	**110**	**160**	**150**	**220**	**9.3**	**44**	**44**	**47**
Cis-1,3-Dichloropropene	5	UG/L	0.5 U	0.5 U	NA	10 U	0.5 U	NA	NA	2 U	0.5 U	1 U	NA	NA	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	UG/L	2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	NA	10 U	0.5 U	NA	NA	2 U	0.5 U	1 U	NA	NA	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	NA	100 U	5 U	NA	NA	20 U	5 U	10 U	NA	NA	10 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	NA	100 U	5 U	NA	NA	20 U	5 U	10 U	NA	NA	10 U	5 U	5 U	5 U	5 U
Dichloroethylenes	**5**	UG/L	**69 J**	**88 J**	**100 J**	**980**	**63**	**36**	**160 J**	**440 J**	**160 J**	**110 J**	**160 J**	**150 J**	**220 J**	**9.3**	**46 J**	**46 J**	**49 J**
Diethyl Ether (Ethyl Ether)	--	UG/L	3.5	3.3	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit	Sample Designation:	MW-16R	MW-16R	MW-16R	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18
			Sample Date:	04/04/2019	07/09/2019	10/04/2019	04/06/2016	07/20/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/30/2018	07/02/2018	07/02/2018	10/09/2018	01/11/2019	04/04/2019	04/04/2019	07/09/2019
			Normal or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	FD	N
Isopropylbenzene (Cumene)	5	UG/L		2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L		2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methane	--	UG/L		NA	NA	181	NA	NA	NA	138	NA	188	226	268	226	137	23.4	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L		5 U	5 U	5 U	100 U	5.5	5 U	10 U	20 U	5 U	10 U	12 U	10 U	10 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L		5 U	5 U	NA	100 U	5 U	NA	NA	20 U	5 U	10 U	NA	NA	10 U	5 U	5 U	5 U	5 U
Methylene Chloride	**5**	UG/L		2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L		2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L		2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L		2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L		0.73 J	0.91 J	0.78 J	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	**5**	UG/L		0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	1 U	1.2 J	1	0.5 J	1.2 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L		2.5 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	5 U	10 U	2.5 U	5 U	6.2 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L		0.5 U	0.5 U	NA	10 U	0.5 U	NA	NA	2 U	0.5 U	1 U	NA	NA	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	**5**	UG/L		1.9 J	2.3 J	2.1 J	50 U	2.9	3.4	4.8 J	3.3 J	2.3 J	1.9 J	2.1 J	1.8 J	3.9 J	2.5 U	1.6 J	1.6 J	1.7 J
Trans-1,3-Dichloropropene	--	UG/L		0.5 U	0.5 U	NA	10 U	0.5 U	NA	NA	2 U	0.5 U	1 U	NA	NA	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L		2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	**5**	UG/L		0.5 U	0.5 U	0.5 U	10 U	0.32 J	0.26 J	1 U	2 U	0.28 J	1 U	1.2 U	1 U	1 U	0.74	0.27 J	0.27 J	0.22 J
Trichlorofluoromethane	5	UG/L		2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L		5 U	5 U	NA	100 U	5 U	NA	NA	20 U	5 U	10 U	NA	NA	10 U	5 U	5 U	5 U	5 U
Vinyl Chloride	**2**	UG/L		**510**	**400**	**390**	**190**	**7.7**	1.1	**120**	**200**	**140**	**290**	**220**	**200**	**63**	2	**130**	**120**	**150**
Xylenes	5	UG/L		2.5 U	2.5 U	NA	50 U	2.5 U	NA	NA	10 U	2.5 U	5 U	NA	NA	5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit	Sample Designation:	MW-18	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19
			Sample Date:	10/04/2019	04/05/2016	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/30/2018	07/03/2018	10/10/2018	01/10/2019	04/04/2019	07/08/2019	10/03/2019	05/29/2020	10/27/2020	01/26/2021
			Normal or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
1,1,1,2-Tetrachloroethane	5	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
1,1,1-Trichloroethane (TCA)	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L		NA	0.5 U	0.5 U	NA	NA	0.5 U	1 U	0.5 U	NA	5 U	2 U	2 U	1 U	NA	NA	NA	NA
1,1,2-Trichloroethane	**1**	UG/L		NA	1.5 U	1.5 U	NA	NA	1.5 U	3 U	1.5 U	NA	15 U	6 U	6 U	3 U	NA	NA	NA	NA
1,1-Dichloroethane	**5**	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	**5**	UG/L		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.21 J	1 U	2.2 J	2 U	2 U	1 U	1 U	0.5 U	0.17 J	0.5 U
1,1-Dichloropropene	5	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	5	UG/L		NA	2 U	2 U	NA	NA	2 U	4 U	2 U	NA	20 U	8 U	8 U	4 U	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L		NA	2 U	2 U	NA	NA	2 U	4 U	2 U	NA	20 U	8 U	8 U	4 U	NA	NA	NA	NA
1,2-Dichlorobenzene	3	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	**0.6**	UG/L		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	5 U	2 U	2 U	1 U	1 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L		NA	1 U	1 U	NA	NA	1 U	2 U	1 U	NA	10 U	4 U	4 U	2 U	NA	NA	NA	NA
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
1,4-Dichlorobenzene	3	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L		NA	2 U	2 U	NA	NA	2 U	4 U	2 U	NA	20 U	8 U	8 U	4 U	NA	NA	NA	NA
1,4-Dioxane (P-Dioxane)	--	UG/L		250 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U	500 U	2500 U	1000 U	1000 U	500 U	500 U	250 U	250 U	250 U
2,2-Dichloropropane	5	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
2-Chlorotoluene	5	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
2-Hexanone	50	UG/L		NA	5 U	5 U	NA	NA	5 U	10 U	5 U	NA	50 U	20 U	20 U	10 U	NA	NA	NA	NA
4-Chlorotoluene	5	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
4-Ethyltoluene	--	UG/L		NA	2 U	2 U	NA	NA	2 U	4 U	2 U	NA	20 U	8 U	8 U	4 U	NA	NA	NA	NA
Acetone	**50**	UG/L		5 U	2.2 J	5 U	5 U	5 U	5 U	10 U	5 U	3 J	50 U	20 U	20 U	6.2 J	10 U	2.2 J	5 U	5 U
Acrylonitrile	5	UG/L		NA	5 U	5 U	NA	NA	5 U	10 U	5 U	NA	50 U	20 U	20 U	10 U	NA	NA	NA	NA
Benzene	**1**	UG/L		**2.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.27 J	0.52 J	5 U	0.86 J	2 U	1 U	1 U	0.8	0.5 U	0.32 J
Bromobenzene	5	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
Bromochloromethane	5	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
Bromodichloromethane	50	UG/L		NA	0.5 U	0.5 U	NA	NA	0.5 U	1 U	0.5 U	NA	5 U	2 U	2 U	1 U	NA	NA	NA	NA
Bromoform	50	UG/L		NA	2 U	2 U	NA	NA	2 U	4 U	2 U	NA	20 U	8 U	8 U	4 U	NA	NA	NA	NA
Bromomethane	**5**	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
Carbon Disulfide	60	UG/L		NA	5 U	5 U	NA	NA	5 U	10 U	5 U	NA	50 U	20 U	20 U	10 U	NA	NA	NA	NA
Carbon Tetrachloride	5	UG/L		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1 U	5 U	2 U	2 U	1 U	1 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
Chloroethane	**5**	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
Chloroform	7	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
Chloromethane	**5**	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
Cis-1,2-Dichloroethylene	**5**	UG/L		**53**	**6.2**	**14**	2.4 J	**26**	**5.8**	**140**	**130**	**180**	**1300**	**570**	**410**	**160**	**280**	**140**	**130**	**39**
Cis-1,3-Dichloropropene	5	UG/L		NA	0.5 U	0.5 U	NA	NA	0.5 U	1 U	0.5 U	NA	5 U	2 U	2 U	1 U	NA	NA	NA	NA
Cymene	5	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
Dibromochloromethane	50	UG/L		NA	0.5 U	0.5 U	NA	NA	0.5 U	1 U	0.5 U	NA	5 U	2 U	2 U	1 U	NA	NA	NA	NA
Dibromomethane	5	UG/L		NA	5 U	5 U	NA	NA	5 U	10 U	5 U	NA	50 U	20 U	20 U	10 U	NA	NA	NA	NA
Dichlorodifluoromethane	5	UG/L		NA	5 U	5 U	NA	NA	5 U	10 U	5 U	NA	50 U	20 U	20 U	10 U	NA	NA	NA	NA
Dichloroethylenes	**5**	UG/L		**54 J**	**6.2**	**14**	2.4 J	**26**	**5.8**	**140**	**130**	**180**	**1300**	**570**	**410**	**160**	**280**	**140**	**130**	**39**
Diethyl Ether (Ethyl Ether)	--	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
Ethylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit	Sample Designation:	MW-18	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19
			Sample Date:	10/04/2019	04/05/2016	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/30/2018	07/03/2018	10/10/2018	01/10/2019	04/04/2019	07/08/2019	10/03/2019	05/29/2020	10/27/2020	01/26/2021
			Normal or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Isopropylbenzene (Cumene)	5	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
m,p-Xylene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
Methane	--	UG/L		172	NA	NA	NA	527	NA	315	869	1190	452	1160	NA	NA	NA	NA	NA	631
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L		5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	10 U	50 U	20 U	20 U	10 U	10 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L		NA	5 U	5 U	NA	NA	5 U	10 U	5 U	NA	50 U	20 U	20 U	10 U	NA	NA	NA	NA
Methylene Chloride	**5**	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
N-Butylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
T-Butylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	**5**	UG/L		0.5 U	0.5 U	0.5 U	0.5 U	0.24 J	0.5 U	0.43 J	0.23 J	1 U	4.5 J	2 U	1.4 J	0.38 J	1.4	0.33 J	0.42 J	0.28 J
Toluene	5	UG/L		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L		NA	0.5 U	0.5 U	NA	NA	0.5 U	1 U	0.5 U	NA	5 U	2 U	2 U	1 U	NA	NA	NA	NA
Trans-1,2-Dichloroethene	**5**	UG/L		1.4 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	5 U	25 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L		NA	0.5 U	0.5 U	NA	NA	0.5 U	1 U	0.5 U	NA	5 U	2 U	2 U	1 U	NA	NA	NA	NA
Trans-1,4-Dichloro-2-Butene	5	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
Trichloroethylene (TCE)	**5**	UG/L		0.5 U	0.5 U	0.45 J	0.5 U	0.53	0.5 U	1.8	0.99	1.8	**8.6**	2 U	2.3	0.81 J	1.7	0.72	0.86	0.5 U
Trichlorofluoromethane	5	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	NA	NA	NA
Vinyl Acetate	--	UG/L		NA	5 U	5 U	NA	NA	5 U	10 U	5 U	NA	50 U	20 U	20 U	10 U	NA	NA	NA	NA
Vinyl Chloride	**2**	UG/L		**110**	**2.3**	**6.9**	1.1	**7.6**	**2.8**	**23**	**25**	**37**	**230**	**350**	**70**	**20**	**4**	**14**	0.68 J	**13**
Xylenes	5	UG/L		NA	2.5 U	2.5 U	NA	NA	2.5 U	5 U	2.5 U	NA	25 U	10 U	10 U	5 U	NA	2.5 U	2.5 U	2.5 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-19	MW-19	MW-19	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20
Sample Date:			01/26/2021	04/28/2021	10/27/2021	04/06/2016	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/27/2017	03/29/2018	04/26/2018	06/01/2018	07/02/2018	10/09/2018	01/10/2019	04/04/2019	07/08/2019
Normal or Field Duplicate:			FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
1,1,1,2-Tetrachloroethane	5	UG/L	NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
1,1,2,2-Tetrachloroethane	5	UG/L	NA	NA	NA	120 U	5 U	NA	NA	2.5 U	2 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	10 U	2.5 U	2.5 U
1,1,2-Trichloroethane	**1**	UG/L	NA	NA	NA	380 U	15 U	NA	NA	7.5 U	6 U	1.5 U	1.5 U	1.5 U	NA	1.5 U	30 U	7.5 U	7.5 U
1,1-Dichloroethane	**5**	UG/L	2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
1,1-Dichloroethene	**5**	UG/L	0.5 U	0.5 U	0.5 U	120 U	5 U	5 U	10 U	2.5 U	1.4 J	0.32 J	0.5 U	0.5 U	0.5 U	0.5 U	10 U	2.5 U	2.5 U
1,1-Dichloropropene	5	UG/L	NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
1,2,3-Trichlorobenzene	5	UG/L	NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
1,2,3-Trichloropropane	0.04	UG/L	NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
1,2,4,5-Tetramethylbenzene	5	UG/L	NA	NA	NA	500 U	20 U	NA	NA	10 U	8 U	2 U	2 U	2 U	NA	2 U	40 U	10 U	10 U
1,2,4-Trichlorobenzene	5	UG/L	NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	NA	NA	NA	500 U	20 U	NA	NA	10 U	8 U	2 U	2 U	2 U	NA	2 U	40 U	10 U	10 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
1,2-Dichloroethane	**0.6**	UG/L	0.5 U	0.5 U	0.5 U	120 U	5 U	5 U	10 U	2.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	2.5 U	2.5 U
1,2-Dichloropropane	1	UG/L	NA	NA	NA	250 U	10 U	NA	NA	5 U	4 U	1 U	1 U	1 U	NA	1 U	20 U	5 U	5 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
1,3-Dichloropropane	5	UG/L	NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
1,4-Diethyl Benzene	--	UG/L	NA	NA	NA	500 U	20 U	NA	NA	10 U	8 U	2 U	2 U	2 U	NA	2 U	40 U	10 U	10 U
1,4-Dioxane (P-Dioxane)	--	UG/L	250 U	250 U	250 U	62000 U	2500 U	2500 U	5000 U	1200 U	1000 U	250 U	250 U	250 U	250 U	250 U	5000 U	1200 U	1200 U
2,2-Dichloropropane	5	UG/L	NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
2-Chlorotoluene	5	UG/L	NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
2-Hexanone	50	UG/L	NA	NA	NA	1200 U	50 U	NA	NA	25 U	20 U	5 U	5 U	5 U	NA	5 U	100 U	25 U	25 U
4-Chlorotoluene	5	UG/L	NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
4-Ethyltoluene	--	UG/L	NA	NA	NA	500 U	20 U	NA	NA	10 U	8 U	2 U	2 U	2 U	NA	2 U	40 U	10 U	10 U
Acetone	**50**	UG/L	5 U	5 U	5 U	1200 U	50 U	50 U	100 U	25 U	20 U	3.8 J	5 U	5 U	5 U	5	100 U	25 U	25 U
Acrylonitrile	5	UG/L	NA	NA	NA	1200 U	50 U	NA	NA	25 U	20 U	5 U	5 U	5 U	NA	5 U	100 U	25 U	25 U
Benzene	**1**	UG/L	0.3 J	0.5 U	0.5 U	120 U	5 U	5 U	10 U	2.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	2.5 U	2.5 U
Bromobenzene	5	UG/L	NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
Bromochloromethane	5	UG/L	NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
Bromodichloromethane	50	UG/L	NA	NA	NA	120 U	5 U	NA	NA	2.5 U	2 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	10 U	2.5 U	2.5 U
Bromoform	50	UG/L	NA	NA	NA	500 U	20 U	NA	NA	10 U	8 U	2 U	2 U	2 U	NA	2 U	40 U	10 U	10 U
Bromomethane	**5**	UG/L	NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
Carbon Disulfide	60	UG/L	NA	NA	NA	1200 U	50 U	NA	NA	25 U	20 U	5 U	5 U	5 U	NA	5 U	100 U	25 U	25 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	120 U	5 U	5 U	10 U	2.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	2.5 U	2.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
Chloroethane	**5**	UG/L	NA	NA	NA	620 U	25 U	NA	NA	**7.8 J**	**6.6 J**	0.74 J	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
Chloroform	7	UG/L	2.5 U	2.5 U	2.4 J	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
Chloromethane	**5**	UG/L	NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
Cis-1,2-Dichloroethylene	**5**	UG/L	**33**	**51**	**24**	**9300**	**330**	**1000**	**1600**	**750**	**470**	**47**	**27**	**15**	**8.5**	2.4 J	**1800**	**300**	**180**
Cis-1,3-Dichloropropene	5	UG/L	NA	NA	NA	120 U	5 U	NA	NA	2.5 U	2 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	10 U	2.5 U	2.5 U
Cymene	5	UG/L	NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
Dibromochloromethane	50	UG/L	NA	NA	NA	120 U	5 U	NA	NA	2.5 U	2 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	10 U	2.5 U	2.5 U
Dibromomethane	5	UG/L	NA	NA	NA	1200 U	50 U	NA	NA	25 U	20 U	5 U	5 U	5 U	NA	5 U	100 U	25 U	25 U
Dichlorodifluoromethane	5	UG/L	NA	NA	NA	1200 U	50 U	NA	NA	25 U	20 U	5 U	5 U	5 U	NA	5 U	100 U	25 U	25 U
Dichloroethylenes	**5**	UG/L	**33**	**51**	**24**	**9300**	**330**	**1000**	**1600**	**750**	**470**	**48 J**	**27**	**15**	**8.5**	2.4 J	**1800**	**300**	**180**
Diethyl Ether (Ethyl Ether)	--	UG/L	NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
Hexachlorobutadiene	0.5	UG/L	NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit	Sample Designation:	MW-19	MW-19	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20
			Sample Date:	01/26/2021	04/28/2021	10/27/2021	04/06/2016	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/27/2017	03/29/2018	04/26/2018	06/01/2018	07/02/2018	10/09/2018	01/10/2019	04/04/2019	07/08/2019
			Normal or Field Duplicate:	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Isopropylbenzene (Cumene)	5	UG/L		NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
m,p-Xylene	5	UG/L		2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
Methane	--	UG/L		602	341	2 U	NA	NA	NA	3070	NA	3220	3360	NA	NA	3320	1480	1800	NA	NA
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L		5 U	5 U	5 U	1200 U	50 U	50 U	100 U	25 U	20 U	5 U	3 J	5 U	5 U	5 U	100 U	25 U	25 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L		NA	NA	NA	1200 U	50 U	NA	NA	25 U	20 U	5 U	5 U	5 U	NA	5 U	100 U	25 U	25 U
Methylene Chloride	**5**	UG/L		2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
Naphthalene	10	UG/L		NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
N-Butylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
N-Propylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L		2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
Sec-Butylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
Styrene	5	UG/L		NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
T-Butylbenzene	5	UG/L		2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
Tert-Butyl Methyl Ether	10	UG/L		2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
Tetrachloroethylene (PCE)	**5**	UG/L		0.25 J	0.56	1.4	120 U	5 U	5 U	10 U	2.7	2.9	0.22 J	0.5 U	0.5 U	0.5 U	0.5 U	10 U	2.5 U	2.5 U
Toluene	5	UG/L		2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L		NA	NA	NA	120 U	5 U	NA	NA	2.5 U	2 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	10 U	2.5 U	2.5 U
Trans-1,2-Dichloroethene	**5**	UG/L		2.5 U	2.5 U	2.5 U	620 U	25 U	25 U	50 U	12 U	10 U	0.76 J	2.5 U	2.5 U	2.5 U	2.5 U	50 U	12 U	12 U
Trans-1,3-Dichloropropene	--	UG/L		NA	NA	NA	120 U	5 U	NA	NA	2.5 U	2 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	10 U	2.5 U	2.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L		NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
Trichloroethylene (TCE)	**5**	UG/L		0.5 U	0.82	1	120 U	5 U	5 U	10 U	1.2 J	**7.8**	1	0.31 J	0.2 J	0.5 U	0.5 U	10 U	2.5 U	2.5 U
Trichlorofluoromethane	5	UG/L		NA	NA	NA	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U
Vinyl Acetate	--	UG/L		NA	NA	NA	1200 U	50 U	NA	NA	25 U	20 U	5 U	5 U	5 U	NA	5 U	100 U	25 U	25 U
Vinyl Chloride	**2**	UG/L		**12**	**3.6**	1 U	**1200**	**80**	**660**	**760**	**410**	**370**	**76**	**60**	**41**	**22**	**6.6**	**1300**	**450**	**550**
Xylenes	5	UG/L		2.5 U	2.5 U	2.5 U	620 U	25 U	NA	NA	12 U	10 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	50 U	12 U	12 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21
Sample Date:			10/04/2019	05/29/2020	10/28/2020	01/25/2021	04/28/2021	04/28/2021	10/27/2021	01/26/2022	04/28/2022	04/28/2022	04/05/2016	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/29/2018
Normal or Field Duplicate:			N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
1,1,1,2-Tetrachloroethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
1,1,2,2-Tetrachloroethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5 U	2 U	NA	NA	2 U	1.2 U	1 U
1,1,2-Trichloroethane	**1**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15 U	6 U	NA	NA	6 U	3.8 U	3 U
1,1-Dichloroethane	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
1,1-Dichloroethene	**5**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	2 U	2.5 U	2.5 U	0.73 J	0.6 J	1 U
1,1-Dichloropropene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
1,2,3-Trichlorobenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
1,2,3-Trichloropropane	0.04	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20 U	8 U	NA	NA	8 U	5 U	4 U
1,2,4-Trichlorobenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20 U	8 U	NA	NA	8 U	5 U	4 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
1,2-Dichloroethane	**0.6**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	2 U	2.5 U	2.5 U	2 U	1.2 U	1 U
1,2-Dichloropropane	1	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	4 U	NA	NA	4 U	2.5 U	2 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
1,3-Dichloropropane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
1,4-Diethyl Benzene	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20 U	8 U	NA	NA	8 U	5 U	4 U
1,4-Dioxane (P-Dioxane)	--	UG/L	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U	250 U	250 U	2500 U	1000 U	1200 U	1200 U	1000 U	620 U	500 U
2,2-Dichloropropane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
2-Chlorotoluene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
2-Hexanone	50	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	20 U	NA	NA	20 U	12 U	10 U
4-Chlorotoluene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
4-Ethyltoluene	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20 U	8 U	NA	NA	8 U	5 U	4 U
Acetone	**50**	UG/L	5 U	5 U	5 U	4 J	10 U	5 U	5 U	5 U	5 U	5 U	50 U	20 U	25 U	25 U	20 U	12 U	10 U
Acrylonitrile	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	20 U	NA	NA	20 U	12 U	10 U
Benzene	**1**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	2 U	2.5 U	2.5 U	2 U	1.2 U	1 U
Bromobenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
Bromochloromethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
Bromodichloromethane	50	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5 U	2 U	NA	NA	2 U	1.2 U	1 U
Bromoform	50	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20 U	8 U	NA	NA	8 U	5 U	4 U
Bromomethane	**5**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
Carbon Disulfide	60	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	20 U	NA	NA	20 U	12 U	10 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	2 U	2.5 U	2.5 U	2 U	1.2 U	1 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
Chloroethane	**5**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
Chloromethane	**5**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
Cis-1,2-Dichloroethylene	**5**	UG/L	3.8	**110**	2.5 U	2 J	**240**	**230**	**84**	**61**	**41**	**44**	**540**	**300**	**300**	**380**	**360**	**240**	**210**
Cis-1,3-Dichloropropene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5 U	2 U	NA	NA	2 U	1.2 U	1 U
Cymene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
Dibromochloromethane	50	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5 U	2 U	NA	NA	2 U	1.2 U	1 U
Dibromomethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	20 U	NA	NA	20 U	12 U	10 U
Dichlorodifluoromethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	20 U	NA	NA	20 U	12 U	10 U
Dichloroethylenes	**5**	UG/L	3.8	**110**	2.5 U	2 J	**240**	**230**	**84**	**61**	**41**	**44**	**540**	**300**	**300**	**380**	**360**	**240**	**210**
Diethyl Ether (Ethyl Ether)	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
Hexachlorobutadiene	0.5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21
Sample Date:			10/04/2019	05/29/2020	10/28/2020	01/25/2021	04/28/2021	04/28/2021	10/27/2021	01/26/2022	04/28/2022	04/28/2022	04/05/2016	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/29/2018
Normal or Field Duplicate:			N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
Isopropylbenzene (Cumene)	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
Methane	--	UG/L	3650	NA	NA	9460	5950	6420	8300	NA	478	571	NA	NA	NA	1660	NA	742	569
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	5 U	5 U	5 U	**120**	10 U	11	5 U	5 U	5 U	5 U	50 U	20 U	25 U	25 U	20 U	12 U	10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	20 U	NA	NA	20 U	12 U	10 U
Methylene Chloride	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
Naphthalene	10	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
Styrene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
Tetrachloroethylene (PCE)	**5**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1.7 J	2.1 J	4.8	1.9 J	1.4	0.5 J
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5 U	2 U	NA	NA	2 U	1.2 U	1 U
Trans-1,2-Dichloroethene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	12 U	12 U	10 U	6.2 U	5 U
Trans-1,3-Dichloropropene	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5 U	2 U	NA	NA	2 U	1.2 U	1 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
Trichloroethylene (TCE)	**5**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**7**	4.8	**5.2**	**5.2**	2	2	0.7 J
Trichlorofluoromethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	10 U	6.2 U	5 U
Vinyl Acetate	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50 U	20 U	NA	NA	20 U	12 U	10 U
Vinyl Chloride	**2**	UG/L	**26**	**560**	**18**	**23**	**910**	**880**	**200**	**50**	**430**	**380**	**63**	**20**	**58**	**100**	**32**	**29**	**75**
Xylenes	5	UG/L	NA	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	10 U	NA	NA	10 U	6.2 U	5 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-22
Sample Date:			07/02/2018	10/09/2018	01/10/2019	04/04/2019	07/08/2019	07/08/2019	10/03/2019	05/28/2020	10/27/2020	01/26/2021	04/28/2021	10/27/2021	10/27/2021	01/26/2022	01/26/2022	04/29/2022	04/05/2016
Normal or Field Duplicate:			N	N	N	N	N	FD	N	N	N	N	N	N	FD	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
1,1,1,2-Tetrachloroethane	5	UG/L	NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
1,1,2,2-Tetrachloroethane	5	UG/L	NA	0.5 U	2 U	5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20 U
1,1,2-Trichloroethane	**1**	UG/L	NA	1.5 U	6 U	15 U	1.5 U	1.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	60 U
1,1-Dichloroethane	**5**	UG/L	2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
1,1-Dichloroethene	**5**	UG/L	0.26 J	0.5 U	2 U	3.3 J	0.3 J	0.29 J	0.5 U	0.35 J	0.5 U	0.5 U	0.5 U	1.1	1	0.57	0.58	0.5 U	20 U
1,1-Dichloropropene	5	UG/L	NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
1,2,3-Trichlorobenzene	5	UG/L	NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
1,2,3-Trichloropropane	0.04	UG/L	NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
1,2,4,5-Tetramethylbenzene	5	UG/L	NA	2 U	8 U	20 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80 U
1,2,4-Trichlorobenzene	5	UG/L	NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	NA	2 U	8 U	20 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
1,2-Dichloroethane	**0.6**	UG/L	0.5 U	0.5 U	2 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U
1,2-Dichloropropane	1	UG/L	NA	1 U	4 U	10 U	1 U	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
1,3-Dichloropropane	5	UG/L	NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
1,4-Diethyl Benzene	--	UG/L	NA	2 U	8 U	20 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80 U
1,4-Dioxane (P-Dioxane)	--	UG/L	250 U	250 U	1000 U	2500 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	10000 U
2,2-Dichloropropane	5	UG/L	NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
2-Chlorotoluene	5	UG/L	NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
2-Hexanone	50	UG/L	NA	5 U	20 U	50 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200 U
4-Chlorotoluene	5	UG/L	NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
4-Ethyltoluene	--	UG/L	NA	2 U	8 U	20 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80 U
Acetone	**50**	UG/L	1.9 J	2 J	20 U	50 U	5 U	3.2 J	5 U	2.7 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	200 U
Acrylonitrile	5	UG/L	NA	5 U	20 U	50 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200 U
Benzene	**1**	UG/L	0.5 U	0.5 U	2 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U
Bromobenzene	5	UG/L	NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
Bromochloromethane	5	UG/L	NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
Bromodichloromethane	50	UG/L	NA	0.5 U	2 U	5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20 U
Bromoform	50	UG/L	NA	2 U	8 U	20 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80 U
Bromomethane	**5**	UG/L	NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
Carbon Disulfide	60	UG/L	NA	5 U	20 U	50 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	2 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
Chloroethane	**5**	UG/L	NA	2.5 U	3.3 J	**10 J**	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
Chloroform	7	UG/L	2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.71 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
Chloromethane	**5**	UG/L	NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
Cis-1,2-Dichloroethylene	**5**	UG/L	**130**	**27**	**150**	**1600**	**140**	**150**	**43**	**180**	1.4 J	4.3	**6.6**	**74**	**76**	**140**	**140**	**20**	**1500**
Cis-1,3-Dichloropropene	5	UG/L	NA	0.5 U	2 U	5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20 U
Cymene	5	UG/L	NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
Dibromochloromethane	50	UG/L	NA	0.5 U	2 U	5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20 U
Dibromomethane	5	UG/L	NA	5 U	20 U	50 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200 U
Dichlorodifluoromethane	5	UG/L	NA	5 U	20 U	50 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200 U
Dichloroethylenes	**5**	UG/L	**130**	**27**	**150**	**1600**	**140**	**150**	**43**	**180**	1.4 J	4.3	**6.6**	**75 J**	**77 J**	**140**	**140**	**20**	**1500**
Diethyl Ether (Ethyl Ether)	--	UG/L	NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
Hexachlorobutadiene	0.5	UG/L	NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit	Sample Designation:	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-22
			Sample Date:	07/02/2018	10/09/2018	01/10/2019	04/04/2019	07/08/2019	07/08/2019	10/03/2019	05/28/2020	10/27/2020	01/26/2021	04/28/2021	10/27/2021	10/27/2021	01/26/2022	01/26/2022	04/29/2022	04/05/2016
			Normal or Field Duplicate:	N	N	N	N	N	FD	N	N	N	N	N	N	FD	N	FD	N	N
Isopropylbenzene (Cumene)	5	UG/L		NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
m,p-Xylene	5	UG/L		2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
Methane	--	UG/L		845	2980	733	NA	NA	NA	NA	NA	NA	44	274	1180	1210	NA	NA	350	NA
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L		5 U	5 U	20 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	200 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L		NA	5 U	20 U	50 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200 U
Methylene Chloride	**5**	UG/L		2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
Naphthalene	10	UG/L		NA	2.5 U	10 U	25 U	1.6 J	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
N-Butylbenzene	5	UG/L		2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
N-Propylbenzene	5	UG/L		2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L		2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
Sec-Butylbenzene	5	UG/L		2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
Styrene	5	UG/L		NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
T-Butylbenzene	5	UG/L		2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
Tert-Butyl Methyl Ether	10	UG/L		2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
Tetrachloroethylene (PCE)	**5**	UG/L		0.28 J	0.28 J	1.2 J	5 U	0.59	0.61	0.54	0.65	0.3 J	0.33 J	0.42 J	0.8	0.97	0.5 U	0.19 J	0.5 U	**25**
Toluene	5	UG/L		2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L		NA	0.5 U	2 U	5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20 U
Trans-1,2-Dichloroethene	**5**	UG/L		2.5 U	2.5 U	10 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.82 J	0.82 J	2.5 U	2.5 U	2.5 U	100 U
Trans-1,3-Dichloropropene	--	UG/L		NA	0.5 U	2 U	5 U	0.5 U	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20 U
Trans-1,4-Dichloro-2-Butene	5	UG/L		NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
Trichloroethylene (TCE)	**5**	UG/L		0.29 J	0.37 J	1.2 J	1.9 J	0.55	0.57	0.47 J	0.81	0.24 J	0.22 J	0.26 J	1.4	1.5	0.36 J	0.42 J	0.31 J	**44**
Trichlorofluoromethane	5	UG/L		NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U
Vinyl Acetate	--	UG/L		NA	5 U	20 U	50 U	5 U	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200 U
Vinyl Chloride	**2**	UG/L		**58**	**6.9**	**730**	**1000**	**90**	**94**	**20**	**92**	0.22 J	0.56 J	**2.1**	**5.2**	**5.7**	**18**	**19**	**2.1**	**21 J**
Xylenes	5	UG/L		NA	2.5 U	10 U	25 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit	Sample Designation:	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-23	MW-23
			Sample Date:	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/29/2018	03/29/2018	07/03/2018	10/09/2018	01/10/2019	04/04/2019	07/08/2019	10/03/2019	05/28/2020	10/27/2020	04/05/2016	07/20/2016
			Normal or Field Duplicate:	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
1,1,1,2-Tetrachloroethane	5	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
1,1,1-Trichloroethane (TCA)	5	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
1,1,2,2-Tetrachloroethane	5	UG/L		5 U	NA	NA	1.2 U	1.2 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	0.5 U	NA	NA	NA	10 U	5 U
1,1,2-Trichloroethane	**1**	UG/L		15 U	NA	NA	3.8 U	3.8 U	1.5 U	1.5 U	NA	1.5 U	1.5 U	6 U	1.5 U	NA	NA	NA	30 U	15 U
1,1-Dichloroethane	**5**	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
1,1-Dichloroethene	**5**	UG/L		5 U	10 U	0.5 U	1.2 U	2.8	0.22 J	0.29 J	10 U	0.5 U	0.5 U	2 U	0.5 U	0.42 J	0.5 U	0.28 J	10 U	5 U
1,1-Dichloropropene	5	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
1,2,3-Trichlorobenzene	5	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
1,2,3-Trichloropropane	0.04	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
1,2,4,5-Tetramethylbenzene	5	UG/L		20 U	NA	NA	5 U	5 U	2 U	2 U	NA	2 U	2 U	8 U	2 U	NA	NA	NA	40 U	20 U
1,2,4-Trichlorobenzene	5	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
1,2,4-Trimethylbenzene	5	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L		20 U	NA	NA	5 U	5 U	2 U	2 U	NA	2 U	2 U	8 U	2 U	NA	NA	NA	40 U	20 U
1,2-Dichlorobenzene	3	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
1,2-Dichloroethane	**0.6**	UG/L		5 U	10 U	0.5 U	1.2 U	1.2 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	1.2 U	0.5 U	0.5 U	10 U	5 U
1,2-Dichloropropane	1	UG/L		10 U	NA	NA	2.5 U	2.5 U	1 U	1 U	NA	1 U	1 U	4 U	1 U	NA	NA	NA	20 U	10 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
1,3-Dichlorobenzene	3	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
1,3-Dichloropropane	5	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
1,4-Dichlorobenzene	3	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
1,4-Diethyl Benzene	--	UG/L		20 U	NA	NA	5 U	5 U	2 U	2 U	NA	2 U	2 U	8 U	2 U	NA	NA	NA	40 U	20 U
1,4-Dioxane (P-Dioxane)	--	UG/L		2500 U	8200	250 U	620 U	620 U	250 U	250 U	5000 U	250 U	250 U	1000 U	250 U	620 U	250 U	250 U	5000 U	2500 U
2,2-Dichloropropane	5	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
2-Chlorotoluene	5	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
2-Hexanone	50	UG/L		50 U	NA	NA	12 U	12 U	5 U	5 U	NA	5 U	5 U	20 U	5 U	NA	NA	NA	100 U	50 U
4-Chlorotoluene	5	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
4-Ethyltoluene	--	UG/L		20 U	NA	NA	5 U	5 U	2 U	2 U	NA	2 U	2 U	8 U	2 U	NA	NA	NA	40 U	20 U
Acetone	**50**	UG/L		50 U	100 U	5 U	12 U	12 U	5 U	5 U	100 U	2.3 J	5 U	20 U	4.3 J	12 U	5 U	5 U	100 U	50 U
Acrylonitrile	5	UG/L		50 U	NA	NA	12 U	12 U	5 U	5 U	NA	5 U	5 U	20 U	5 U	NA	NA	NA	100 U	50 U
Benzene	**1**	UG/L		5 U	10 U	0.5 U	1.2 U	1.2 U	0.31 J	0.3 J	10 U	0.22 J	0.9	0.75 J	0.48 J	1.2 U	0.5 U	0.28 J	10 U	5 U
Bromobenzene	5	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
Bromochloromethane	5	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
Bromodichloromethane	50	UG/L		5 U	NA	NA	1.2 U	1.2 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	0.5 U	NA	NA	NA	10 U	5 U
Bromoform	50	UG/L		20 U	NA	NA	5 U	5 U	2 U	2 U	NA	2 U	2 U	8 U	2 U	NA	NA	NA	40 U	20 U
Bromomethane	**5**	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
Carbon Disulfide	60	UG/L		50 U	NA	NA	12 U	12 U	5 U	5 U	NA	5 U	5 U	20 U	5 U	NA	NA	NA	100 U	50 U
Carbon Tetrachloride	5	UG/L		5 U	10 U	0.5 U	1.2 U	1.2 U	0.5 U	0.5 U	10 U	0.5 U	0.5 U	2 U	0.5 U	1.2 U	0.5 U	0.5 U	10 U	5 U
Chlorobenzene	5	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
Chloroethane	**5**	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
Chloroform	7	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
Chloromethane	**5**	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
Cis-1,2-Dichloroethylene	**5**	UG/L		**500**	**1000**	**22**	**290**	**1800**	**140**	**200**	**1800**	**42**	**100**	**450**	4.6	**410**	**72**	**170**	**780**	**850**
Cis-1,3-Dichloropropene	5	UG/L		5 U	NA	NA	1.2 U	1.2 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	0.5 U	NA	NA	NA	10 U	5 U
Cymene	5	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
Dibromochloromethane	50	UG/L		5 U	NA	NA	1.2 U	1.2 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	0.5 U	NA	NA	NA	10 U	5 U
Dibromomethane	5	UG/L		50 U	NA	NA	12 U	12 U	5 U	5 U	NA	5 U	5 U	20 U	5 U	NA	NA	NA	100 U	50 U
Dichlorodifluoromethane	5	UG/L		50 U	NA	NA	12 U	12 U	5 U	5 U	NA	5 U	5 U	20 U	5 U	NA	NA	NA	100 U	50 U
Dichloroethylenes	**5**	UG/L		**500**	**1000**	**22**	**290**	**1800**	**140**	**200 J**	**1800**	**42**	**100**	**450**	4.6	**410**	**72**	**170**	**780**	**850**
Diethyl Ether (Ethyl Ether)	--	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
Ethylbenzene	5	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
Hexachlorobutadiene	0.5	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit	Sample Designation:	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-23	MW-23
			Sample Date:	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/29/2018	03/29/2018	07/03/2018	10/09/2018	01/10/2019	04/04/2019	07/08/2019	10/03/2019	05/28/2020	10/27/2020	04/05/2016	07/20/2016
			Normal or Field Duplicate:	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
Isopropylbenzene (Cumene)	5	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	0.78 J	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
m,p-Xylene	5	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
Methane	--	UG/L		NA	NA	2830	NA	790	1760	NA	1160	1300	2670	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L		50 U	100 U	5 U	12 U	12 U	5 U	5 U	100 U	5 U	5 U	20 U	5 U	12 U	5 U	5 U	100 U	50 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L		50 U	NA	NA	12 U	12 U	5 U	5 U	NA	5 U	5 U	20 U	5 U	NA	NA	NA	100 U	50 U
Methylene Chloride	**5**	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
Naphthalene	10	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	0.74 J	NA	NA	NA	50 U	25 U
N-Butylbenzene	5	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
N-Propylbenzene	5	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
Sec-Butylbenzene	5	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
Styrene	5	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
T-Butylbenzene	5	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
Tert-Butyl Methyl Ether	10	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
Tetrachloroethylene (PCE)	**5**	UG/L		4.9 J	4.5 J	0.24 J	2.4	**15**	1.5	2.1	**9.6 J**	0.5 U	0.5 U	2.7	0.18 J	1.9	0.65	0.73	**5.4 J**	**6.3**
Toluene	5	UG/L		25 U	50 U	2.5 U	6.2 U	6.2 U	2.5 U	2.5 U	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L		5 U	NA	NA	1.2 U	1.2 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	0.5 U	NA	NA	NA	10 U	5 U
Trans-1,2-Dichloroethene	**5**	UG/L		25 U	50 U	2.5 U	6.2 U	**6.2**	2.5 U	0.72 J	50 U	2.5 U	2.5 U	10 U	2.5 U	6.2 U	2.5 U	2.5 U	50 U	25 U
Trans-1,3-Dichloropropene	--	UG/L		5 U	NA	NA	1.2 U	1.2 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	2 U	0.5 U	NA	NA	NA	10 U	5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
Trichloroethylene (TCE)	**5**	UG/L		**9.8**	**14**	0.58	**5.1**	**39**	2.8	3.6	**22**	0.5 U	0.5 U	**5.2**	0.43 J	4.9	1	2.9	**12**	**13**
Trichlorofluoromethane	5	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	NA	NA	50 U	25 U
Vinyl Acetate	--	UG/L		50 U	NA	NA	12 U	12 U	5 U	5 U	NA	5 U	5 U	20 U	5 U	NA	NA	NA	100 U	50 U
Vinyl Chloride	**2**	UG/L		**59**	**110**	**3.2**	**18**	**210**	**15**	**21**	**450**	**45**	**100**	**73**	2	**62**	**3.7**	**4.7**	**2.3 J**	0.94 J
Xylenes	5	UG/L		25 U	NA	NA	6.2 U	6.2 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	10 U	2.5 U	NA	2.5 U	2.5 U	50 U	25 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23
Sample Date:			07/20/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/30/2018	07/03/2018	10/10/2018	01/10/2019	04/04/2019	07/09/2019	10/03/2019	05/28/2020	10/27/2020	01/26/2021	04/28/2021	10/27/2021
Normal or Field Duplicate:			FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
1,1,1,2-Tetrachloroethane	5	UG/L	25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane (TCA)	5	UG/L	25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	5 U	NA	NA	2.5 U	5 U	5 U	NA	2 U	0.5 U	0.5 U	1 U	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	**1**	UG/L	15 U	NA	NA	7.5 U	15 U	15 U	NA	6 U	1.5 U	1.5 U	3 U	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	**5**	UG/L	25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	2.5 U
1,1-Dichloroethene	**5**	UG/L	5 U	5 U	5 U	2.5 U	5 U	5 U	5 U	2 U	0.5 U	0.5 U	1 U	1 U	0.26 J	5 U	1.2 J	5 U	0.5 U
1,1-Dichloropropene	5	UG/L	25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5	UG/L	25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	UG/L	25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	5	UG/L	20 U	NA	NA	10 U	20 U	20 U	NA	8 U	2 U	2 U	4 U	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	UG/L	25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	UG/L	25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	20 U	NA	NA	10 U	20 U	20 U	NA	8 U	2 U	2 U	4 U	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	UG/L	25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	2.5 U
1,2-Dichloroethane	**0.6**	UG/L	5 U	5 U	5 U	2.5 U	5 U	5 U	5 U	2 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	2.5 U	5 U	0.5 U
1,2-Dichloropropane	1	UG/L	10 U	NA	NA	5 U	10 U	10 U	NA	4 U	1 U	1 U	2 U	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	2.5 U
1,3-Dichloropropane	5	UG/L	25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	UG/L	25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	20 U	NA	NA	10 U	20 U	20 U	NA	8 U	2 U	2 U	4 U	NA	NA	NA	NA	NA	NA
1,4-Dioxane (P-Dioxane)	--	UG/L	2500 U	2500 U	2500 U	1200 U	2500 U	2500 U	2500 U	1000 U	250 U	250 U	500 U	500 U	250 U	2500 U	1200 U	2500 U	250 U
2,2-Dichloropropane	5	UG/L	25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	5	UG/L	25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
2-Hexanone	50	UG/L	50 U	NA	NA	25 U	50 U	50 U	NA	20 U	5 U	5 U	10 U	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	5	UG/L	25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
4-Ethyltoluene	--	UG/L	20 U	NA	NA	10 U	20 U	20 U	NA	8 U	2 U	2 U	4 U	NA	NA	NA	NA	NA	NA
Acetone	**50**	UG/L	50 U	50 U	50 U	25 U	50 U	50 U	50 U	20 U	5 U	5 U	7 J	10 U	1.6 J	50 U	25 U	50 U	6.1
Acrylonitrile	5	UG/L	50 U	NA	NA	25 U	50 U	50 U	NA	20 U	5 U	5 U	10 U	NA	NA	NA	NA	NA	NA
Benzene	**1**	UG/L	5 U	5 U	5 U	2.5 U	5 U	5 U	5 U	2 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	2.5 U	5 U	1
Bromobenzene	5	UG/L	25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	UG/L	25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50	UG/L	5 U	NA	NA	2.5 U	5 U	5 U	NA	2 U	0.5 U	0.5 U	1 U	NA	NA	NA	NA	NA	NA
Bromoform	50	UG/L	20 U	NA	NA	10 U	20 U	20 U	NA	8 U	2 U	2 U	4 U	NA	NA	NA	NA	NA	NA
Bromomethane	**5**	UG/L	25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
Carbon Disulfide	60	UG/L	50 U	NA	NA	25 U	50 U	50 U	NA	20 U	5 U	5 U	10 U	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5	UG/L	5 U	5 U	5 U	2.5 U	5 U	5 U	5 U	2 U	0.5 U	0.5 U	1 U	1 U	0.5 U	5 U	2.5 U	5 U	0.5 U
Chlorobenzene	5	UG/L	25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	2.5 U
Chloroethane	**5**	UG/L	25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
Chloroform	7	UG/L	25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	2.5 U
Chloromethane	**5**	UG/L	25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
Cis-1,2-Dichloroethylene	**5**	UG/L	**890**	**1200**	**600**	**530**	**700**	**840**	**820**	**430**	**56**	**92**	**180**	**240**	**200**	**990**	**890**	**1300**	**17**
Cis-1,3-Dichloropropene	5	UG/L	5 U	NA	NA	2.5 U	5 U	5 U	NA	2 U	0.5 U	0.5 U	1 U	NA	NA	NA	NA	NA	NA
Cymene	5	UG/L	25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	UG/L	5 U	NA	NA	2.5 U	5 U	5 U	NA	2 U	0.5 U	0.5 U	1 U	NA	NA	NA	NA	NA	NA
Dibromomethane	5	UG/L	50 U	NA	NA	25 U	50 U	50 U	NA	20 U	5 U	5 U	10 U	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	5	UG/L	50 U	NA	NA	25 U	50 U	50 U	NA	20 U	5 U	5 U	10 U	NA	NA	NA	NA	NA	NA
Dichloroethylenes	**5**	UG/L	**890**	**1200**	**600**	**530**	**700**	**840**	**820**	**430**	**56**	**92**	**180**	**240**	NA	**990**	**890**	**1300**	**17**
Diethyl Ether (Ethyl Ether)	--	UG/L	25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	UG/L	25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	1.2 J
Hexachlorobutadiene	0.5	UG/L	25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit	Sample Designation:	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23
			Sample Date:	07/20/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/30/2018	07/03/2018	10/10/2018	01/10/2019	04/04/2019	07/09/2019	10/03/2019	05/28/2020	10/27/2020	01/26/2021	04/28/2021	10/27/2021
			Normal or Field Duplicate:	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Isopropylbenzene (Cumene)	5	UG/L		25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
m,p-Xylene	5	UG/L		25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	2.5 U
Methane	--	UG/L		NA	NA	104	NA	114	88.9	102	192	24	NA	NA	NA	NA	NA	100	NA	252
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L		50 U	50 U	50 U	25 U	50 U	50 U	50 U	20 U	5 U	5 U	10 U	10 U	5 U	50 U	25 U	50 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L		50 U	NA	NA	25 U	50 U	50 U	NA	20 U	5 U	5 U	10 U	NA	NA	NA	NA	NA	NA
Methylene Chloride	**5**	UG/L		25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	2.5 U
Naphthalene	10	UG/L		25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
N-Butylbenzene	5	UG/L		25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	0.78 J
N-Propylbenzene	5	UG/L		25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	1.8 J
O-Xylene (1,2-Dimethylbenzene)	5	UG/L		25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	2.5 U
Sec-Butylbenzene	5	UG/L		25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	2.5 U
Styrene	5	UG/L		25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
T-Butylbenzene	5	UG/L		25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L		25 U	25 U	25 U	4 J	25 U	25 U	25 U	4.2 J	1.7 J	1.6 J	2.1 J	2.2 J	2.8	25 U	12 U	25 U	2.5 U
Tetrachloroethylene (PCE)	**5**	UG/L		**6.3**	**8.4**	5	4	4.2 J	3.9 J	2.5 J	1.4 J	0.36 J	0.59	0.9 J	0.93 J	1.3	**6.2**	**8.2**	**7.6**	0.34 J
Toluene	5	UG/L		25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L		5 U	NA	NA	2.5 U	5 U	5 U	NA	2 U	0.5 U	0.5 U	1 U	NA	NA	NA	NA	NA	NA
Trans-1,2-Dichloroethene	**5**	UG/L		25 U	25 U	25 U	12 U	25 U	25 U	25 U	10 U	2.5 U	2.5 U	5 U	5 U	2.5 U	25 U	12 U	25 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L		5 U	NA	NA	2.5 U	5 U	5 U	NA	2 U	0.5 U	0.5 U	1 U	NA	NA	NA	NA	NA	NA
Trans-1,4-Dichloro-2-Butene	5	UG/L		25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
Trichloroethylene (TCE)	**5**	UG/L		**13**	**17**	**8.4**	**6.4**	**8.6**	**5.6**	**5.2**	2.7	0.71	1	1.5	1.7	2.2	**13**	**11**	**11**	1.1
Trichlorofluoromethane	5	UG/L		25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	NA	NA	NA	NA	NA
Vinyl Acetate	--	UG/L		50 U	NA	NA	25 U	50 U	50 U	NA	20 U	5 U	5 U	10 U	NA	NA	NA	NA	NA	NA
Vinyl Chloride	**2**	UG/L		0.93 J	**2.3 J**	**4.1 J**	1.8 J	**5.5 J**	**10**	**4.4 J**	**8.5**	0.57 J	0.6 J	0.93 J	**6.6**	**5.7**	**4 J**	**5.2**	1.9 J	0.19 J
Xylenes	5	UG/L		25 U	NA	NA	12 U	25 U	25 U	NA	10 U	2.5 U	2.5 U	5 U	NA	2.5 U	25 U	12 U	25 U	2.5 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit	Sample Designation:	MW-23	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I
			Sample Date:	01/26/2022	04/29/2022	04/27/2017	04/27/2017	07/18/2017	07/18/2017	11/27/2017	03/29/2018	04/26/2018	06/01/2018	07/02/2018	10/09/2018	01/11/2019	04/05/2019	05/29/2020	10/28/2020	01/25/2021
			Normal or Field Duplicate:	N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N
1,1,1,2-Tetrachloroethane	5	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
1,1,1-Trichloroethane (TCA)	5	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
1,1,2,2-Tetrachloroethane	5	UG/L		NA	NA	NA	NA	50 U	120 U	20 U	0.5 U	0.5 U	0.5 U	NA	5 U	0.5 U	5 U	NA	NA	NA
1,1,2-Trichloroethane	**1**	UG/L		NA	NA	NA	NA	150 U	380 U	60 U	1.5 U	1.5 U	1.5 U	NA	15 U	1.5 U	15 U	NA	NA	NA
1,1-Dichloroethane	**5**	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
1,1-Dichloroethene	**5**	UG/L		0.5 U	0.5 U	25 U	**18 J**	**22 J**	**63 J**	**8.6 J**	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	5 U	25 U
1,1-Dichloropropene	5	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
1,2,3-Trichlorobenzene	5	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
1,2,4,5-Tetramethylbenzene	5	UG/L		NA	NA	NA	NA	200 U	500 U	80 U	2 U	2 U	2 U	NA	20 U	2 U	20 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L		NA	NA	NA	NA	200 U	500 U	80 U	2 U	2 U	2 U	NA	20 U	2 U	20 U	NA	NA	NA
1,2-Dichlorobenzene	3	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
1,2-Dichloroethane	**0.6**	UG/L		0.5 U	0.5 U	25 U	50 U	50 U	120 U	20 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	**1.3 J**	0.5 U	5 U	25 U
1,2-Dichloropropane	1	UG/L		NA	NA	NA	NA	100 U	250 U	40 U	1 U	1 U	1 U	NA	10 U	1 U	10 U	NA	NA	NA
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
1,3-Dichlorobenzene	3	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
1,3-Dichloropropane	5	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
1,4-Dichlorobenzene	3	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
1,4-Diethyl Benzene	--	UG/L		NA	NA	NA	NA	200 U	500 U	80 U	2 U	2 U	2 U	NA	20 U	2 U	20 U	NA	NA	NA
1,4-Dioxane (P-Dioxane)	--	UG/L		250 U	250 U	12000 U	25000 U	25000 U	62000 U	10000 U	250 U	250 U	250 U	250 U	2500 U	250 U	2500 U	250 U	2500 U	12000 U
2,2-Dichloropropane	5	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
2-Chlorotoluene	5	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
2-Hexanone	50	UG/L		NA	NA	NA	NA	500 U	1200 U	200 U	5 U	5 U	5 U	NA	50 U	5 U	50 U	NA	NA	NA
4-Chlorotoluene	5	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
4-Ethyltoluene	--	UG/L		NA	NA	NA	NA	200 U	500 U	80 U	2 U	2 U	2 U	NA	20 U	2 U	20 U	NA	NA	NA
Acetone	**50**	UG/L		5 U	5 U	250 U	500 U	500 U	1200 U	200 U	13	5 U	5 U	5 U	50 U	5 U	45 J	5 U	50 U	250 U
Acrylonitrile	5	UG/L		NA	NA	NA	NA	500 U	1200 U	200 U	5 U	5 U	5 U	NA	50 U	5 U	50 U	NA	NA	NA
Benzene	**1**	UG/L		0.38 J	0.5 U	25 U	50 U	50 U	120 U	20 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	5 U	25 U
Bromobenzene	5	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
Bromochloromethane	5	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
Bromodichloromethane	50	UG/L		NA	NA	NA	NA	50 U	120 U	20 U	0.5 U	0.5 U	0.5 U	NA	5 U	0.5 U	5 U	NA	NA	NA
Bromoform	50	UG/L		NA	NA	NA	NA	200 U	500 U	80 U	2 U	2 U	2 U	NA	20 U	2 U	20 U	NA	NA	NA
Bromomethane	**5**	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	**9.1 J**	NA	NA	NA
Carbon Disulfide	60	UG/L		NA	NA	NA	NA	500 U	1200 U	200 U	5 U	5 U	5 U	NA	50 U	5 U	50 U	NA	NA	NA
Carbon Tetrachloride	5	UG/L		0.5 U	0.5 U	25 U	50 U	50 U	120 U	20 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	5 U	25 U
Chlorobenzene	5	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
Chloroethane	**5**	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	0.92 J	NA	25 U	3.5	**8.1 J**	NA	NA	NA
Chloroform	7	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
Chloromethane	**5**	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	**28**	NA	NA	NA
Cis-1,2-Dichloroethylene	**5**	UG/L		**5.7**	1.6 J	**3700**	**7400**	**13000**	**36000**	**4400**	**31**	**32**	**16**	**17**	**240**	**12**	**46**	**200**	**130**	**740**
Cis-1,3-Dichloropropene	5	UG/L		NA	NA	NA	NA	50 U	120 U	20 U	0.5 U	0.5 U	0.5 U	NA	5 U	0.5 U	5 U	NA	NA	NA
Cymene	5	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
Dibromochloromethane	50	UG/L		NA	NA	NA	NA	50 U	120 U	20 U	0.5 U	0.5 U	0.5 U	NA	5 U	0.5 U	5 U	NA	NA	NA
Dibromomethane	5	UG/L		NA	NA	NA	NA	500 U	1200 U	200 U	5 U	5 U	5 U	NA	50 U	5 U	50 U	NA	NA	NA
Dichlorodifluoromethane	5	UG/L		NA	NA	NA	NA	500 U	1200 U	200 U	5 U	5 U	5 U	NA	50 U	5 U	50 U	NA	NA	NA
Dichloroethylenes	**5**	UG/L		**5.7**	1.6 J	**3700**	**7400**	**13000**	**36000**	**4400**	**31**	**32**	**16**	**17**	**240**	**12**	**46**	**200**	**130**	**740**
Diethyl Ether (Ethyl Ether)	--	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
Ethylbenzene	5	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
Hexachlorobutadiene	0.5	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit	Sample Designation:	MW-23	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I
			Sample Date:	01/26/2022	04/29/2022	04/27/2017	04/27/2017	07/18/2017	07/18/2017	11/27/2017	03/29/2018	04/26/2018	06/01/2018	07/02/2018	10/09/2018	01/11/2019	04/05/2019	05/29/2020	10/28/2020	01/25/2021
			Normal or Field Duplicate:	N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N
Isopropylbenzene (Cumene)	5	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
m,p-Xylene	5	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
Methane	--	UG/L		NA	2.07	192	261	NA	NA	194	345	NA	NA	111	199	194	NA	NA	NA	945
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L		5 U	5 U	250 U	500 U	500 U	1200 U	200 U	22	5 U	5 U	5 U	50 U	5 U	50 U	5 U	50 U	**140 J**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L		NA	NA	NA	NA	500 U	1200 U	200 U	5 U	5 U	5 U	NA	50 U	5 U	50 U	NA	NA	NA
Methylene Chloride	**5**	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
Naphthalene	10	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
N-Butylbenzene	5	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
N-Propylbenzene	5	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
Sec-Butylbenzene	5	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
Styrene	5	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
T-Butylbenzene	5	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
Tert-Butyl Methyl Ether	10	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
Tetrachloroethylene (PCE)	**5**	UG/L		0.28 J	0.31 J	25 U	50 U	50 U	**900**	20 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	5 U	25 U
Toluene	5	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L		NA	NA	NA	NA	50 U	120 U	20 U	0.5 U	0.5 U	0.5 U	NA	5 U	0.5 U	5 U	NA	NA	NA
Trans-1,2-Dichloroethene	**5**	UG/L		2.5 U	2.5 U	120 U	250 U	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	25 U	120 U
Trans-1,3-Dichloropropene	--	UG/L		NA	NA	NA	NA	50 U	120 U	20 U	0.5 U	0.5 U	0.5 U	NA	5 U	0.5 U	5 U	NA	NA	NA
Trans-1,4-Dichloro-2-Butene	5	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
Trichloroethylene (TCE)	**5**	UG/L		0.25 J	0.26 J	**14 J**	**30 J**	50 U	**240**	**19 J**	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	5 U	25 U
Trichlorofluoromethane	5	UG/L		NA	NA	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	NA	NA	NA
Vinyl Acetate	--	UG/L		NA	NA	NA	NA	500 U	1200 U	200 U	5 U	5 U	5 U	NA	50 U	5 U	50 U	NA	NA	NA
Vinyl Chloride	**2**	UG/L		0.2 J	1 U	**2500**	**2300**	**4300**	**3400**	**1600**	**120**	**120**	**130**	**120**	**1300**	**400**	**3400**	**2600**	**2500**	**4800**
Xylenes	5	UG/L		2.5 U	2.5 U	NA	NA	250 U	620 U	100 U	2.5 U	2.5 U	2.5 U	NA	25 U	2.5 U	25 U	2.5 U	25 U	120 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-24I	MW-24I	MW-24I	MW-24I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I
Sample Date:			04/28/2021	10/28/2021	01/26/2022	04/28/2022	04/27/2017	07/18/2017	11/27/2017	03/29/2018	04/26/2018	06/01/2018	08/21/2018	10/09/2018	01/10/2019	01/10/2019	04/05/2019	07/08/2019	10/03/2019
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
1,1,1,2-Tetrachloroethane	5	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	NA	NA	NA	NA	NA	20 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA
1,1,2-Trichloroethane	**1**	UG/L	NA	NA	NA	NA	NA	60 U	30 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	NA
1,1-Dichloroethane	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	**5**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	20 U	20 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
1,2,3-Trichlorobenzene	5	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	1 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
1,2,3-Trichloropropane	0.04	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
1,2,4,5-Tetramethylbenzene	5	UG/L	NA	NA	NA	NA	NA	80 U	40 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA
1,2,4-Trichlorobenzene	5	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	3.1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	NA	NA	NA	NA	NA	80 U	40 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	**0.6**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	20 U	20 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	NA	NA	NA	NA	NA	40 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	NA	NA	NA	NA	NA	80 U	40 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA
1,4-Dioxane (P-Dioxane)	--	UG/L	250 U	250 U	250 U	250 U	10000 U	10000 U	5000 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U
2,2-Dichloropropane	5	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
2-Chlorotoluene	5	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
2-Hexanone	50	UG/L	NA	NA	NA	NA	NA	200 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
4-Chlorotoluene	5	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
4-Ethyltoluene	--	UG/L	NA	NA	NA	NA	NA	80 U	40 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA
Acetone	**50**	UG/L	3.8 J	1.6 J	5 U	5 U	200 U	200 U	**70 J**	1.6 J	5 U	5 U	1.5 J	3.2 J	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	5	UG/L	NA	NA	NA	NA	NA	200 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Benzene	**1**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	20 U	20 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Bromochloromethane	5	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Bromodichloromethane	50	UG/L	NA	NA	NA	NA	NA	20 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA
Bromoform	50	UG/L	NA	NA	NA	NA	NA	80 U	40 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA
Bromomethane	**5**	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Carbon Disulfide	60	UG/L	NA	NA	NA	NA	NA	200 U	28 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	20 U	20 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	**5**	UG/L	NA	NA	NA	NA	NA	**98 J**	50 U	1.5 J	2.5	**11**	**5.4**	3.2	0.84 J	2.5 U	0.85 J	1.1 J	NA
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	**5**	UG/L	NA	NA	NA	NA	NA	100 U	**19 J**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Cis-1,2-Dichloroethylene	**5**	UG/L	**100**	**15**	**12**	**7.6**	**2900**	**4100**	**1300**	2.4 J	4.8	**8.8**	**6**	**8.4**	2.8	2.4 J	**5.2**	**33**	**47**
Cis-1,3-Dichloropropene	5	UG/L	NA	NA	NA	NA	NA	20 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA
Cymene	5	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Dibromochloromethane	50	UG/L	NA	NA	NA	NA	NA	20 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA
Dibromomethane	5	UG/L	NA	NA	NA	NA	NA	200 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Dichlorodifluoromethane	5	UG/L	NA	NA	NA	NA	NA	200 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Dichloroethylenes	**5**	UG/L	**100**	**15**	**12**	**7.6**	**2900**	**4100**	**1400**	2.4 J	4.8	**8.8**	**6**	**8.4**	2.8	2.4 J	**5.2**	**33**	**47**
Diethyl Ether (Ethyl Ether)	--	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

	Sample Designation:		MW-24I	MW-24I	MW-24I	MW-24I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I
	Sample Date:		04/28/2021	10/28/2021	01/26/2022	04/28/2022	04/27/2017	07/18/2017	11/27/2017	03/29/2018	04/26/2018	06/01/2018	08/21/2018	10/09/2018	01/10/2019	01/10/2019	04/05/2019	07/08/2019	10/03/2019
	Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
Isopropylbenzene (Cumene)	5	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methane	--	UG/L	7720	1250	NA	2400	290	NA	23.7	487	NA	NA	456	312	56.9	69	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	41	5 U	5 U	5 U	200 U	200 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	NA	NA	NA	NA	NA	200 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Methylene Chloride	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 J	1 J	0.94 J	2.5 U	2.5 U
Tetrachloroethylene (PCE)	**5**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	20 U	20 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	NA	NA	NA	NA	NA	20 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA
Trans-1,2-Dichloroethene	**5**	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	100 U	100 U	**100**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	NA	NA	NA	NA	NA	20 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA
Trans-1,4-Dichloro-2-Butene	5	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Trichloroethylene (TCE)	**5**	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	20 U	20 U	**5.5 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	UG/L	NA	NA	NA	NA	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA
Vinyl Acetate	--	UG/L	NA	NA	NA	NA	NA	200 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Vinyl Chloride	**2**	UG/L	**500**	**100**	**200**	**19**	**900**	**900**	**86**	**11**	**32**	**190**	**73**	**39**	**6.4**	**5.1**	**11**	**19**	**29**
Xylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	NA	100 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2
Sample Date:			05/28/2020	10/27/2020	01/25/2021	04/28/2021	10/25/2021	01/26/2022	04/29/2022	04/05/2016	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/27/2017	03/29/2018	04/26/2018	06/01/2018	07/02/2018
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
1,1,1,2-Tetrachloroethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
1,1,2,2-Tetrachloroethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	250 U	120 U	NA	NA	100 U	50 U	25 U	10 U	2.5 U	NA
1,1,2-Trichloroethane	**1**	UG/L	NA	NA	NA	NA	NA	NA	NA	750 U	380 U	NA	NA	300 U	150 U	75 U	30 U	7.5 U	NA
1,1-Dichloroethane	**5**	UG/L	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
1,1-Dichloroethene	**5**	UG/L	0.5 U	2 U	0.36 J	0.22 J	0.5 U	0.5 U	0.5 U	250 U	120 U	120 U	200 U	**56 J**	**20 J**	25 U	10 U	1.1 J	2 U
1,1-Dichloropropene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
1,2,3-Trichlorobenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
1,2,3-Trichloropropane	0.04	UG/L	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
1,2,4,5-Tetramethylbenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	1000 U	500 U	NA	NA	400 U	200 U	100 U	40 U	10 U	NA
1,2,4-Trichlorobenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	NA	NA	NA	NA	NA	NA	NA	1000 U	500 U	NA	NA	400 U	200 U	100 U	40 U	10 U	NA
1,2-Dichlorobenzene	3	UG/L	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
1,2-Dichloroethane	**0.6**	UG/L	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	250 U	120 U	120 U	200 U	100 U	50 U	25 U	10 U	2.5 U	2 U
1,2-Dichloropropane	1	UG/L	NA	NA	NA	NA	NA	NA	NA	500 U	250 U	NA	NA	200 U	100 U	50 U	20 U	5 U	NA
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
1,3-Dichloropropane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
1,4-Dichlorobenzene	3	UG/L	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
1,4-Diethyl Benzene	--	UG/L	NA	NA	NA	NA	NA	NA	NA	1000 U	500 U	NA	NA	400 U	200 U	100 U	40 U	10 U	NA
1,4-Dioxane (P-Dioxane)	--	UG/L	250 U	1000 U	250 U	250 U	250 U	250 U	250 U	120000 U	62000 U	62000 U	100000 U	50000 U	25000 U	12000 U	5000 U	1200 U	1000 U
2,2-Dichloropropane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
2-Chlorotoluene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
2-Hexanone	50	UG/L	NA	NA	NA	NA	NA	NA	NA	2500 U	1200 U	NA	NA	1000 U	500 U	250 U	100 U	25 U	NA
4-Chlorotoluene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
4-Ethyltoluene	--	UG/L	NA	NA	NA	NA	NA	NA	NA	1000 U	500 U	NA	NA	400 U	200 U	100 U	40 U	10 U	NA
Acetone	**50**	UG/L	5 U	20 U	5 U	5 U	5 U	5 U	5 U	2500 U	**360 J**	1200 U	2000 U	1000 U	500 U	250 U	**66 J**	12 J	20 U
Acrylonitrile	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2500 U	1200 U	NA	NA	1000 U	500 U	250 U	100 U	25 U	NA
Benzene	**1**	UG/L	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	250 U	120 U	120 U	200 U	100 U	50 U	25 U	10 U	2.5 U	2 U
Bromobenzene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
Bromochloromethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
Bromodichloromethane	50	UG/L	NA	NA	NA	NA	NA	NA	NA	250 U	120 U	NA	NA	100 U	50 U	25 U	10 U	2.5 U	NA
Bromoform	50	UG/L	NA	NA	NA	NA	NA	NA	NA	1000 U	500 U	NA	NA	400 U	200 U	100 U	40 U	10 U	NA
Bromomethane	**5**	UG/L	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
Carbon Disulfide	60	UG/L	NA	NA	NA	NA	NA	NA	NA	2500 U	1200 U	NA	NA	1000 U	500 U	250 U	100 U	25 U	NA
Carbon Tetrachloride	5	UG/L	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	250 U	120 U	120 U	200 U	100 U	50 U	25 U	10 U	2.5 U	2 U
Chlorobenzene	5	UG/L	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
Chloroethane	**5**	UG/L	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
Chloroform	7	UG/L	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
Chloromethane	**5**	UG/L	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
Cis-1,2-Dichloroethylene	**5**	UG/L	**78**	**520**	**190**	**220**	**26**	**11**	3.7	**25000**	**15000**	**14000**	**17000**	**33000**	**14000**	**6500**	**1700**	**800**	**370**
Cis-1,3-Dichloropropene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	250 U	120 U	NA	NA	100 U	50 U	25 U	10 U	2.5 U	NA
Cymene	5	UG/L	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
Dibromochloromethane	50	UG/L	NA	NA	NA	NA	NA	NA	NA	250 U	120 U	NA	NA	100 U	50 U	25 U	10 U	2.5 U	NA
Dibromomethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2500 U	1200 U	NA	NA	1000 U	500 U	250 U	100 U	25 U	NA
Dichlorodifluoromethane	5	UG/L	NA	NA	NA	NA	NA	NA	NA	2500 U	1200 U	NA	NA	1000 U	500 U	250 U	100 U	25 U	NA
Dichloroethylenes	**5**	UG/L	**78**	**520**	**190**	**220**	**26**	**11**	3.7	**25000**	**15000**	**14000**	**17000**	**33000**	**14000**	**6500**	**1700 J**	**810 J**	**380 J**
Diethyl Ether (Ethyl Ether)	--	UG/L	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
Ethylbenzene	5	UG/L	2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
Hexachlorobutadiene	0.5	UG/L	NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit	Sample Designation:	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2
			Sample Date:	05/28/2020	10/27/2020	01/25/2021	04/28/2021	10/25/2021	01/26/2022	04/29/2022	04/05/2016	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/27/2017	03/29/2018	04/26/2018	06/01/2018	07/02/2018
			Normal or Field Duplicate:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Isopropylbenzene (Cumene)	5	UG/L		NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
m,p-Xylene	5	UG/L		2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
Methane	--	UG/L		NA	NA	309	210	68.3	NA	13.3	NA	NA	NA	331	NA	162	213	231	133	152
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L		5 U	20 U	5 U	5 U	5 U	5 U	5 U	2500 U	1200 U	1200 U	2000 U	1000 U	500 U	250 U	100 U	25 U	20 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L		NA	NA	NA	NA	NA	NA	NA	2500 U	1200 U	NA	NA	1000 U	500 U	250 U	100 U	25 U	NA
Methylene Chloride	**5**	UG/L		2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
Naphthalene	10	UG/L		NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
N-Butylbenzene	5	UG/L		2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
N-Propylbenzene	5	UG/L		2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L		2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
Sec-Butylbenzene	5	UG/L		2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
Styrene	5	UG/L		NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
T-Butylbenzene	5	UG/L		2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
Tert-Butyl Methyl Ether	10	UG/L		0.9 J	10 U	1.1 J	0.96 J	1.8 J	1.5 J	2.6	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
Tetrachloroethylene (PCE)	**5**	UG/L		0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	250 U	120 U	**97 J**	**300**	**820**	**500**	25 U	10 U	2.5 U	2 U
Toluene	5	UG/L		2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	50 U	12 U	10 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L		NA	NA	NA	NA	NA	NA	NA	250 U	120 U	NA	NA	100 U	50 U	25 U	10 U	2.5 U	NA
Trans-1,2-Dichloroethene	**5**	UG/L		2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	620 U	1000 U	500 U	250 U	120 U	**16 J**	**9.4 J**	**6.8 J**
Trans-1,3-Dichloropropene	--	UG/L		NA	NA	NA	NA	NA	NA	NA	250 U	120 U	NA	NA	100 U	50 U	25 U	10 U	2.5 U	NA
Trans-1,4-Dichloro-2-Butene	5	UG/L		NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
Trichloroethylene (TCE)	**5**	UG/L		0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	250 U	120 U	120 U	**120 J**	**230**	**210**	25 U	10 U	2.5 U	2 U
Trichlorofluoromethane	5	UG/L		NA	NA	NA	NA	NA	NA	NA	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA
Vinyl Acetate	--	UG/L		NA	NA	NA	NA	NA	NA	NA	2500 U	1200 U	NA	NA	1000 U	500 U	250 U	100 U	25 U	NA
Vinyl Chloride	**2**	UG/L		**39**	**120**	**170**	**160**	**11**	2	1.1	**1800**	**1500**	**2000**	**1300**	**3200**	**4100**	**9500**	**7800**	**6700**	**6600**
Xylenes	5	UG/L		2.5 U	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1200 U	620 U	NA	NA	500 U	250 U	120 U	50 U	12 U	NA

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I
Sample Date:			10/09/2018	01/11/2019	04/05/2019	07/08/2019	10/04/2019	05/29/2020	10/28/2020	10/28/2020	01/25/2021	04/28/2021	10/28/2021	04/28/2022	04/05/2016	07/19/2016	10/11/2016	10/11/2016	04/27/2017
Normal or Field Duplicate:			N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	FD	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
1,1,1,2-Tetrachloroethane	5	UG/L	25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
1,1,1-Trichloroethane (TCA)	5	UG/L	25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
1,1,2,2-Tetrachloroethane	5	UG/L	5 U	2.5 U	12 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA	25 U	100 U	NA	NA	NA
1,1,2-Trichloroethane	**1**	UG/L	15 U	7.5 U	38 U	30 U	NA	NA	NA	NA	NA	NA	NA	NA	75 U	300 U	NA	NA	NA
1,1-Dichloroethane	**5**	UG/L	25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
1,1-Dichloroethene	**5**	UG/L	5 U	3	**5.8 J**	**8.7 J**	5 U	**27 J**	**9 J**	**7 J**	2.5 U	0.5 U	0.5 U	0.22 J	25 U	100 U	100 U	100 U	20 U
1,1-Dichloropropene	5	UG/L	25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
1,2,3-Trichlorobenzene	5	UG/L	25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
1,2,3-Trichloropropane	0.04	UG/L	25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
1,2,4,5-Tetramethylbenzene	5	UG/L	20 U	10 U	50 U	40 U	NA	NA	NA	NA	NA	NA	NA	NA	100 U	400 U	NA	NA	NA
1,2,4-Trichlorobenzene	5	UG/L	25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
1,2,4-Trimethylbenzene	5	UG/L	25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	20 U	10 U	50 U	40 U	NA	NA	NA	NA	NA	NA	NA	NA	100 U	400 U	NA	NA	NA
1,2-Dichlorobenzene	3	UG/L	25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
1,2-Dichloroethane	**0.6**	UG/L	5 U	2.5 U	12 U	10 U	5 U	50 U	12 U	12 U	2.5 U	0.5 U	0.5 U	0.5 U	25 U	100 U	100 U	100 U	20 U
1,2-Dichloropropane	1	UG/L	10 U	5 U	25 U	20 U	NA	NA	NA	NA	NA	NA	NA	NA	50 U	200 U	NA	NA	NA
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
1,3-Dichlorobenzene	3	UG/L	25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
1,3-Dichloropropane	5	UG/L	25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
1,4-Dichlorobenzene	3	UG/L	25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
1,4-Diethyl Benzene	--	UG/L	20 U	10 U	50 U	40 U	NA	NA	NA	NA	NA	NA	NA	NA	100 U	400 U	NA	NA	NA
1,4-Dioxane (P-Dioxane)	--	UG/L	2500 U	1200 U	6200 U	5000 U	2500 U	25000 U	6200 U	6200 U	1200 U	250 U	250 U	250 U	12000 U	50000 U	50000 U	50000 U	10000 U
2,2-Dichloropropane	5	UG/L	25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
2-Chlorotoluene	5	UG/L	25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
2-Hexanone	50	UG/L	50 U	25 U	120 U	100 U	NA	NA	NA	NA	NA	NA	NA	NA	250 U	1000 U	NA	NA	NA
4-Chlorotoluene	5	UG/L	25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
4-Ethyltoluene	--	UG/L	20 U	10 U	50 U	40 U	NA	NA	NA	NA	NA	NA	NA	NA	100 U	400 U	NA	NA	NA
Acetone	**50**	UG/L	**55**	25 U	120 U	100 U	50 U	500 U	120 U	120 U	8.9 J	14	3.5 J	8.7	250 U	1000 U	1000 U	1000 U	200 U
Acrylonitrile	5	UG/L	50 U	25 U	120 U	100 U	NA	NA	NA	NA	NA	NA	NA	NA	250 U	1000 U	NA	NA	NA
Benzene	**1**	UG/L	5 U	2.5 U	12 U	10 U	5 U	50 U	12 U	12 U	2.5 U	0.5 U	0.5 U	0.5 U	25 U	100 U	100 U	100 U	20 U
Bromobenzene	5	UG/L	25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
Bromochloromethane	5	UG/L	25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
Bromodichloromethane	50	UG/L	5 U	2.5 U	12 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA	25 U	100 U	NA	NA	NA
Bromoform	50	UG/L	20 U	10 U	50 U	40 U	NA	NA	NA	NA	NA	NA	NA	NA	100 U	400 U	NA	NA	NA
Bromomethane	**5**	UG/L	25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
Carbon Disulfide	60	UG/L	50 U	25 U	120 U	100 U	NA	NA	NA	NA	NA	NA	NA	NA	250 U	1000 U	NA	NA	NA
Carbon Tetrachloride	5	UG/L	5 U	2.5 U	12 U	10 U	5 U	50 U	12 U	12 U	2.5 U	0.5 U	0.5 U	0.5 U	25 U	100 U	100 U	100 U	20 U
Chlorobenzene	5	UG/L	25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
Chloroethane	**5**	UG/L	25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
Chloroform	7	UG/L	25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
Chloromethane	**5**	UG/L	25 U	12 U	**30 J**	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
Cis-1,2-Dichloroethylene	**5**	UG/L	**570**	**1200**	**2100**	**3100**	**960**	**15000**	**3900**	**3600**	**44**	**110**	5	**29**	**2700**	**8700**	**14000**	**14000**	**3600**
Cis-1,3-Dichloropropene	5	UG/L	5 U	2.5 U	12 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA	25 U	100 U	NA	NA	NA
Cymene	5	UG/L	25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
Dibromochloromethane	50	UG/L	5 U	2.5 U	12 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA	25 U	100 U	NA	NA	NA
Dibromomethane	5	UG/L	50 U	25 U	120 U	100 U	NA	NA	NA	NA	NA	NA	NA	NA	250 U	1000 U	NA	NA	NA
Dichlorodifluoromethane	5	UG/L	50 U	25 U	120 U	100 U	NA	NA	NA	NA	NA	NA	NA	NA	250 U	1000 U	NA	NA	NA
Dichloroethylenes	**5**	UG/L	**580 J**	**1200**	**2100 J**	**3100 J**	**960**	**15000**	**3900 J**	**3600 J**	**49 J**	**110 J**	5	**29**	**2700**	**8700**	**14000**	**14000**	**3600**
Diethyl Ether (Ethyl Ether)	--	UG/L	25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
Ethylbenzene	5	UG/L	25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
Hexachlorobutadiene	0.5	UG/L	25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit	Sample Designation:	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I
			Sample Date:	10/09/2018	01/11/2019	04/05/2019	07/08/2019	10/04/2019	05/29/2020	10/28/2020	10/28/2020	01/25/2021	04/28/2021	10/28/2021	04/28/2022	04/05/2016	07/19/2016	10/11/2016	10/11/2016	04/27/2017
			Normal or Field Duplicate:	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	FD	N
Isopropylbenzene (Cumene)	5	UG/L		25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
m,p-Xylene	5	UG/L		25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
Methane	--	UG/L		177	222	NA	NA	1500	NA	NA	NA	6300	13600	6390	1150	NA	NA	NA	NA	209
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L		50 U	25 U	120 U	100 U	50 U	500 U	120 U	120 U	**100**	**96**	5 U	2.5 J	250 U	1000 U	1000 U	1000 U	200 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L		50 U	25 U	120 U	100 U	NA	NA	NA	NA	NA	NA	NA	NA	250 U	1000 U	NA	NA	NA
Methylene Chloride	**5**	UG/L		25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
Naphthalene	10	UG/L		25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
N-Butylbenzene	5	UG/L		25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
N-Propylbenzene	5	UG/L		25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L		25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
Sec-Butylbenzene	5	UG/L		25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
Styrene	5	UG/L		25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
T-Butylbenzene	5	UG/L		25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
Tert-Butyl Methyl Ether	10	UG/L		25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
Tetrachloroethylene (PCE)	**5**	UG/L		5 U	2.5 U	12 U	10 U	2.2 J	50 U	12 U	12 U	2.5 U	0.5 U	0.5 U	0.24 J	**100**	**45 J**	100 U	100 U	**170**
Toluene	5	UG/L		25 U	12 U	62 U	50 U	25 U	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L		5 U	2.5 U	12 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA	25 U	100 U	NA	NA	NA
Trans-1,2-Dichloroethene	**5**	UG/L		**13 J**	**19**	**22 J**	**20 J**	25 U	250 U	**23 J**	**18 J**	4.9 J	1.6 J	2.5 U	2.5 U	120 U	500 U	500 U	500 U	100 U
Trans-1,3-Dichloropropene	--	UG/L		5 U	2.5 U	12 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA	25 U	100 U	NA	NA	NA
Trans-1,4-Dichloro-2-Butene	5	UG/L		25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
Trichloroethylene (TCE)	**5**	UG/L		5 U	1 J	12 U	10 U	2.7 J	**18 J**	12 U	12 U	2.5 U	0.5 U	0.28 J	1.5	**110**	**68 J**	100 U	100 U	**60**
Trichlorofluoromethane	5	UG/L		25 U	12 U	62 U	50 U	NA	NA	NA	NA	NA	NA	NA	NA	120 U	500 U	NA	NA	NA
Vinyl Acetate	--	UG/L		50 U	25 U	120 U	100 U	NA	NA	NA	NA	NA	NA	NA	NA	250 U	1000 U	NA	NA	NA
Vinyl Chloride	**2**	UG/L		**1200**	**9900**	**16000**	**12000**	**4400**	**19000**	**12000**	**13000**	**740**	**3500**	**260**	**30**	**230**	**1200**	**2700**	**2800**	**1300**
Xylenes	5	UG/L		25 U	12 U	62 U	50 U	NA	250 U	62 U	62 U	12 U	2.5 U	2.5 U	2.5 U	120 U	500 U	NA	NA	NA

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

	Sample Designation:		MW-D2I	MW-D2I
	Sample Date:		07/18/2017	11/27/2017
	Normal or Field Duplicate:		N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit		
1,1,1,2-Tetrachloroethane	5	UG/L	100 U	10 U
1,1,1-Trichloroethane (TCA)	5	UG/L	100 U	10 U
1,1,2,2-Tetrachloroethane	5	UG/L	20 U	2.3
1,1,2-Trichloroethane	**1**	UG/L	60 U	**8.8**
1,1-Dichloroethane	**5**	UG/L	100 U	10 U
1,1-Dichloroethene	**5**	UG/L	20 U	2 U
1,1-Dichloropropene	5	UG/L	100 U	10 U
1,2,3-Trichlorobenzene	5	UG/L	100 U	10 U
1,2,3-Trichloropropane	0.04	UG/L	100 U	10 U
1,2,4,5-Tetramethylbenzene	5	UG/L	80 U	8 U
1,2,4-Trichlorobenzene	5	UG/L	100 U	10 U
1,2,4-Trimethylbenzene	5	UG/L	100 U	10 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	100 U	10 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	80 U	8 U
1,2-Dichlorobenzene	3	UG/L	100 U	10 U
1,2-Dichloroethane	**0.6**	UG/L	20 U	**7.7**
1,2-Dichloropropane	1	UG/L	40 U	4 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	100 U	10 U
1,3-Dichlorobenzene	3	UG/L	100 U	10 U
1,3-Dichloropropane	5	UG/L	100 U	10 U
1,4-Dichlorobenzene	3	UG/L	100 U	10 U
1,4-Diethyl Benzene	--	UG/L	80 U	8 U
1,4-Dioxane (P-Dioxane)	--	UG/L	10000 U	1000 U
2,2-Dichloropropane	5	UG/L	100 U	10 U
2-Chlorotoluene	5	UG/L	100 U	10 U
2-Hexanone	50	UG/L	200 U	20 U
4-Chlorotoluene	5	UG/L	100 U	10 U
4-Ethyltoluene	--	UG/L	80 U	8 U
Acetone	**50**	UG/L	200 U	**130**
Acrylonitrile	5	UG/L	200 U	20 U
Benzene	**1**	UG/L	20 U	2 U
Bromobenzene	5	UG/L	100 U	10 U
Bromochloromethane	5	UG/L	100 U	10 U
Bromodichloromethane	50	UG/L	20 U	2 U
Bromoform	50	UG/L	80 U	8 U
Bromomethane	**5**	UG/L	100 U	3 J
Carbon Disulfide	60	UG/L	200 U	57
Carbon Tetrachloride	5	UG/L	20 U	2 U
Chlorobenzene	5	UG/L	100 U	10 U
Chloroethane	**5**	UG/L	100 U	10 U
Chloroform	7	UG/L	100 U	5 J
Chloromethane	**5**	UG/L	100 U	**120**
Cis-1,2-Dichloroethylene	**5**	UG/L	**3900**	**610**
Cis-1,3-Dichloropropene	5	UG/L	20 U	2 U
Cymene	5	UG/L	100 U	10 U
Dibromochloromethane	50	UG/L	20 U	2 U
Dibromomethane	5	UG/L	200 U	20 U
Dichlorodifluoromethane	5	UG/L	200 U	20 U
Dichloroethylenes	**5**	UG/L	**3900**	**650**
Diethyl Ether (Ethyl Ether)	--	UG/L	100 U	10 U
Ethylbenzene	5	UG/L	100 U	10 U
Hexachlorobutadiene	0.5	UG/L	100 U	10 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit	MW-D2I 07/18/2017 N	MW-D2I 11/27/2017 N
Isopropylbenzene (Cumene)	5	UG/L	100 U	10 U
m,p-Xylene	5	UG/L	100 U	10 U
Methane	--	UG/L	NA	10.8
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	200 U	9.9 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	200 U	20 U
Methylene Chloride	**5**	UG/L	100 U	**9.7 J**
Naphthalene	10	UG/L	100 U	10 U
N-Butylbenzene	5	UG/L	100 U	10 U
N-Propylbenzene	5	UG/L	100 U	10 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	100 U	10 U
Sec-Butylbenzene	5	UG/L	100 U	10 U
Styrene	5	UG/L	100 U	10 U
T-Butylbenzene	5	UG/L	100 U	10 U
Tert-Butyl Methyl Ether	10	UG/L	100 U	10 U
Tetrachloroethylene (PCE)	**5**	UG/L	**300**	**78**
Toluene	5	UG/L	100 U	10 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	20 U	2 U
Trans-1,2-Dichloroethene	**5**	UG/L	100 U	**41**
Trans-1,3-Dichloropropene	--	UG/L	20 U	2 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	100 U	10 U
Trichloroethylene (TCE)	**5**	UG/L	**64**	**36**
Trichlorofluoromethane	5	UG/L	100 U	10 U
Vinyl Acetate	--	UG/L	200 U	20 U
Vinyl Chloride	**2**	UG/L	**3100**	**160**
Xylenes	5	UG/L	100 U	10 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I
Sample Date:			03/29/2018	04/26/2018	06/01/2018	07/02/2018	10/09/2018	10/09/2018	01/11/2019	04/05/2019	07/08/2019	10/04/2019	05/28/2020	10/27/2020	01/25/2021	04/28/2021	10/28/2021	01/26/2022	04/29/2022
Normal or Field Duplicate:			N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	1 U	1.2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	**1**	UG/L	1.5 U	1.5 U	1.5 U	NA	1.5 U	1.5 U	3 U	3.8 U	6 U	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	**5**	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
1,1-Dichloroethene	**5**	UG/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.52 J	0.58 J	2 U	1 U	0.17 J	5 U	0.5 U	0.5 U	0.5 U	2 U	1 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	2 U	NA	2 U	2 U	4 U	5 U	8 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	NA	2 U	2 U	4 U	5 U	8 U	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
1,2-Dichloroethane	**0.6**	UG/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U	1.2 U	2 U	1 U	0.5 U	5 U	0.2 J	0.5 U	0.5 U	2 U	1 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	NA	1 U	1 U	2 U	2.5 U	4 U	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U	NA	2 U	2 U	4 U	5 U	8 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane (P-Dioxane)	--	UG/L	250 U	250 U	250 U	500 U	250 U	250 U	500 U	620 U	1000 U	500 U	250 U	2500 U	250 U	250 U	250 U	1000 U	500 U
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	50	UG/L	5 U	5 U	5 U	NA	5 U	5 U	10 U	12 U	20 U	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	NA	2 U	2 U	4 U	5 U	8 U	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	**50**	UG/L	5 U	5 U	1.8 J	10 U	4.6 J	3.2 J	10 U	3.8 J	20 U	10 U	5 U	50 U	23	16	**64**	**630**	**120**
Acrylonitrile	5	UG/L	5 U	5 U	5 U	NA	5 U	5 U	10 U	12 U	20 U	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	**1**	UG/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U	1.2 U	2 U	1 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	2 U	1 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	1 U	1.2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	50	UG/L	2 U	2 U	2 U	NA	2 U	2 U	4 U	5 U	8 U	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	**5**	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	NA	5 U	5 U	10 U	12 U	20 U	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U	1.2 U	2 U	1 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	2 U	1 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
Chloroethane	**5**	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	4.6 J	3.5 J	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
Chloromethane	**5**	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	3.4 J	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Cis-1,2-Dichloroethylene	**5**	UG/L	4.4	**5.9**	**53**	**140**	**140**	**140**	**380**	**320**	**260**	**140**	**130**	**170**	**130**	**54**	**40**	**29**	**15**
Cis-1,3-Dichloropropene	5	UG/L	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	1 U	1.2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA
Cymene	5	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	1 U	1.2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	5	UG/L	5 U	5 U	5 U	NA	5 U	5 U	10 U	12 U	20 U	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	NA	5 U	5 U	10 U	12 U	20 U	NA	NA	NA	NA	NA	NA	NA	NA
Dichloroethylenes	**5**	UG/L	4.4	**5.9**	**53**	**140**	**140**	**140**	**380 J**	**320 J**	**260**	**140**	**130**	**170**	**130**	**54**	**40**	**29**	**15**
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

	Sample Designation:		MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I
	Sample Date:		03/29/2018	04/26/2018	06/01/2018	07/02/2018	10/09/2018	10/09/2018	01/11/2019	04/05/2019	07/08/2019	10/04/2019	05/28/2020	10/27/2020	01/25/2021	04/28/2021	10/28/2021	01/26/2022	04/29/2022
	Normal or Field Duplicate:		N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
Methane	--	UG/L	134	NA	NA	66.3	346	330	77.3	NA	NA	85.5	NA	NA	130	130	8780	NA	5590
Methyl Ethyl Ketone (2-Butanone)	**50**	UG/L	5 U	5 U	5 U	10 U	5 U	5 U	10 U	12 U	20 U	10 U	5 U	50 U	**150**	37	**200**	**640**	**350**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	NA	5 U	5 U	10 U	12 U	20 U	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	**5**	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
Naphthalene	10	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
Tetrachloroethylene (PCE)	**5**	UG/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U	1.2 U	2 U	1 U	0.5 U	5 U	0.82	1	0.22 J	2 U	1 U
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	5 U	6.2 U	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	1 U	1.2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA
Trans-1,2-Dichloroethene	**5**	UG/L	2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2 J	2.2 J	10 U	5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	1 U	1.2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethylene (TCE)	**5**	UG/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U	1.2 U	2 U	1 U	0.5 U	5 U	0.48 J	0.36 J	0.5 U	2 U	0.42 J
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Acetate	--	UG/L	5 U	5 U	5 U	NA	5 U	5 U	10 U	12 U	20 U	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	**2**	UG/L	**54**	**420**	**150**	**310**	**190**	**190**	**310**	**240**	**370**	**610**	**770**	**1400**	**170**	**76**	**44**	**18**	**11**
Xylenes	5	UG/L	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	5 U	6.2 U	10 U	NA	2.5 U	25 U	2.5 U	2.5 U	2.5 U	10 U	5 U

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-9	MW-9	MW-9	MW-10	MW-10
Sample Date:			07/20/2016	10/11/2016	04/27/2017	11/22/2017	03/30/2018	07/03/2018	10/10/2018	01/10/2019	04/04/2019	07/09/2019	10/03/2019	10/03/2019	04/27/2017	11/27/2017	11/27/2017	07/19/2016	10/11/2016
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	N	N	N	FD	N	N	FD	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
Chloride (As Cl)	**250000**	UG/L	55000	59000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	220000	**270000**
COD - Chemical Oxygen Demand	--	UG/L	NA	NA	43000	31000	85000	14000 J	19000 J	27000	NA	NA	NA	NA	14000 J	20000 U	55000	NA	NA
Ethane	--	UG/L	NA	NA	0.592	0.5 U	0.5 U	0.765	1.23	0.5 U	NA	NA	2.69	2.46	0.64	0.568	0.623	NA	NA
Ethene	--	UG/L	NA	NA	4.08	4.22	1.87	2.92	5.45	0.5 U	0.5 U	0.712	0.658	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA
Nitrogen, Nitrate (As N)	--	UG/L	NA	NA	36 J	100 U	100 U	50 J	100 U	1820	NA	NA	NA	NA	68 J	217	293	NA	NA
Sulfate (As SO4)	**250000**	UG/L	NA	NA	**380000**	**330000**	**290000**	**260000**	240000	**470000**	NA	NA	NA	NA	45000	**590000**	**610000**	NA	NA
Total Organic Carbon	--	UG/L	NA	NA	6370	7320	4800	4750	4600	8600	5000	5200	6000	6100	2560	10400	10600	NA	NA

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
Sample Date:			04/27/2017	11/27/2017	03/29/2018	08/21/2018	10/09/2018	01/10/2019	04/04/2019	07/09/2019	10/04/2019	05/28/2020	05/28/2020	10/27/2020	01/26/2021	04/28/2021	10/27/2021	01/26/2022	04/28/2022
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
Chloride (As Cl)	**250000**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD - Chemical Oxygen Demand	--	UG/L	18000 J	20000 U	16000 J	14000 J	19000 J	36000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethane	--	UG/L	0.924	0.966	1.26	15	30.3	16.2	NA	NA	7.21	NA	NA	NA	NA	0.814	11.2	NA	1
Ethene	--	UG/L	0.5 U	0.866	0.5 U	2.09	2.01	0.68	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.623	13.7	8.29	0.574
Nitrogen, Nitrate (As N)	--	UG/L	85 J	134	2290	3150	3200	4430	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate (As SO4)	**250000**	UG/L	**310000**	**420000**	**780000**	**440000**	**460000**	**430000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	--	UG/L	6620	5410	4100	4400	8000	4600	3300	3600	4700	3300	3200	3200	4300	3800	5400	4600	4300

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-16R	MW-16R	MW-16R	MW-16R	MW-16R	MW-16R	MW-16R	MW-16R	MW-16R	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18
Sample Date:			04/27/2017	11/22/2017	03/30/2018	07/02/2018	10/09/2018	01/10/2019	04/04/2019	07/09/2019	10/04/2019	07/20/2016	10/11/2016	04/27/2017	11/22/2017	03/30/2018	07/02/2018	07/02/2018	10/09/2018
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
Chloride (As Cl)	**250000**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	48000	54000	NA	NA	NA	NA	NA	NA
COD - Chemical Oxygen Demand	--	UG/L	21000	14000 J	8800 J	17000 J	16000 J	15000 J	NA	NA	NA	NA	NA	43000	26000	18000 J	12000 J	14000 J	16000 J
Ethane	--	UG/L	0.76	0.668	0.745	0.723	0.708	0.557	NA	NA	0.585	NA	NA	0.695	0.723	0.743	1.1	0.906	0.5 U
Ethene	--	UG/L	12.4	11.1	6.99	11	23.6	26.1	21.4	18.6	16.7	NA	NA	14.8	7.19	7.18	6.42	5.58	1.43
Nitrogen, Nitrate (As N)	--	UG/L	35 J	100 U	122	100 U	100 U	100 U	NA	NA	NA	NA	NA	2970	3670	3420	2820	3180	2210
Sulfate (As SO4)	**250000**	UG/L	**450000**	**460000**	**380000**	**340000**	**620000**	**620000**	NA	NA	NA	NA	NA	**1900000**	**560000**	**540000**	**390000**	**350000**	**340000**
Total Organic Carbon	--	UG/L	5310	4950	4000	3720	4200	4300	3700	4000	4300	NA	NA	11400	5950	4100	3880	3830	4400

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-18	MW-18	MW-18	MW-18	MW-18	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19
Sample Date:			01/11/2019	04/04/2019	04/04/2019	07/09/2019	10/04/2019	07/19/2016	10/11/2016	04/27/2017	11/22/2017	03/30/2018	07/03/2018	10/10/2018	01/10/2019	04/04/2019	07/08/2019	10/03/2019	05/29/2020
Normal or Field Duplicate:			N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
Chloride (As Cl)	**250000**	UG/L	NA	NA	NA	NA	NA	79000	38000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD - Chemical Oxygen Demand	--	UG/L	8500 J	NA	NA	NA	NA	NA	NA	23000	20000 U	36000	7700 J	37000	36000	NA	NA	NA	NA
Ethane	--	UG/L	0.5 U	NA	NA	NA	0.682	NA	NA	3.39	2.31	2.93	4.31	5.08	8.42	NA	NA	3.29	NA
Ethene	--	UG/L	0.5 U	2.33	2.62	9.5	5.78	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	1.21	2.99	0.5 U	0.5 U	0.5 U	0.5 U
Nitrogen, Nitrate (As N)	--	UG/L	414	NA	NA	NA	NA	NA	NA	100 U	100 U	100 U	100 U	100 U	35 J	NA	NA	NA	NA
Sulfate (As SO4)	**250000**	UG/L	120000	NA	NA	NA	NA	NA	NA	72000	69000	180000	100000	150000	54000	NA	NA	NA	NA
Total Organic Carbon	--	UG/L	1700	3600	3600	4400	3600	NA	NA	5630	4750	5300	4010	4200	3000	2200	3100	5800	3800

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-19	MW-19	MW-19	MW-19	MW-19	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20
Sample Date:			10/27/2020	01/26/2021	01/26/2021	04/28/2021	10/27/2021	07/19/2016	10/11/2016	04/27/2017	11/27/2017	03/29/2018	04/26/2018	06/01/2018	07/02/2018	10/09/2018	01/10/2019	04/04/2019	07/08/2019
Normal or Field Duplicate:			N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
Chloride (As Cl)	**250000**	UG/L	NA	NA	NA	NA	NA	**410000**	**330000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD - Chemical Oxygen Demand	--	UG/L	NA	NA	NA	NA	NA	NA	NA	34000	31000	24000	NA	NA	7700 J	37000	18000 J	NA	NA
Ethane	--	UG/L	NA	NA	NA	1.3	0.5 U	NA	NA	16.5	43.4	26.9	NA	NA	30.3	24.7	26.3	NA	NA
Ethene	--	UG/L	0.5 U	0.866	0.5 U	0.5 U	0.5 U	NA	NA	9.58	14.8	11	NA	NA	24.3	108	233	83.8	83.1
Nitrogen, Nitrate (As N)	--	UG/L	NA	NA	NA	NA	NA	NA	NA	553	100 U	100 U	NA	NA	34 J	100 U	100 U	NA	NA
Sulfate (As SO4)	**250000**	UG/L	NA	NA	NA	NA	NA	NA	NA	48000	**800000**	**790000**	NA	NA	**630000**	**370000**	**420000**	NA	NA
Total Organic Carbon	--	UG/L	7000	4000	3800	3500	2200	NA	NA	5320	9420	5000	5700	4200	3880	6700	7200	2400	4100

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21
Sample Date:			10/04/2019	05/29/2020	10/28/2020	01/25/2021	04/28/2021	04/28/2021	10/27/2021	01/26/2022	04/28/2022	04/28/2022	07/19/2016	10/11/2016	04/27/2017	11/22/2017	03/29/2018	07/02/2018	10/09/2018
Normal or Field Duplicate:			N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
Chloride (As Cl)	**250000**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	160000	210000	NA	NA	NA	NA	NA
COD - Chemical Oxygen Demand	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	43000	41000	35000	17000 J	26000
Ethane	--	UG/L	28.1	NA	NA	NA	20	21.8	56.8	NA	17.5	20.7	NA	NA	64.3	10.1	25.6	28.1	7.39
Ethene	--	UG/L	2.79	71.5	0.673	4.08	57.5	59.6	38.3	1.28	29.2	33.7	NA	NA	2.72	0.565	2.44	2.35	0.5 U
Nitrogen, Nitrate (As N)	--	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	405	100 U	858	100 U	100 U
Sulfate (As SO4)	**250000**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66000	140000	68000	95000	72000
Total Organic Carbon	--	UG/L	2600	5700	4800	98000	7500	7500	4600	6200	5100	5100	NA	NA	4040	4500	2800	3050	3100

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-22	MW-22	MW-22
Sample Date:			01/10/2019	04/04/2019	07/08/2019	07/08/2019	10/03/2019	05/28/2020	10/27/2020	01/26/2021	04/28/2021	10/27/2021	10/27/2021	01/26/2022	01/26/2022	04/29/2022	07/19/2016	10/11/2016	04/27/2017
Normal or Field Duplicate:			N	N	N	FD	N	N	N	N	N	N	FD	N	FD	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
Chloride (As Cl)	**250000**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	110000	110000	NA
COD - Chemical Oxygen Demand	--	UG/L	15000 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30000
Ethane	--	UG/L	29.3	NA	NA	NA	5.83	NA	NA	NA	0.5 U	3.42	3.49	NA	NA	1.38	NA	NA	1.79
Ethene	--	UG/L	91.7	7.11	0.546	0.812	0.768	1.32	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U
Nitrogen, Nitrate (As N)	--	UG/L	69 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	211
Sulfate (As SO4)	**250000**	UG/L	**430000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45000
Total Organic Carbon	--	UG/L	6700	4400	2400	2600	3200	2500	1300	1700	1900	3000	3000	3300	3400	3200	NA	NA	2710

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23
Sample Date:			11/22/2017	03/29/2018	07/03/2018	10/09/2018	01/10/2019	04/04/2019	07/08/2019	10/03/2019	05/28/2020	10/27/2020	07/20/2016	07/20/2016	10/11/2016	04/27/2017	11/22/2017	03/30/2018	07/03/2018
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
Chloride (As Cl)	**250000**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28000	29000	32000	NA	NA	NA	NA
COD - Chemical Oxygen Demand	--	UG/L	17000 J	20000 U	33000	44000	24000	NA	NA	NA	NA	NA	NA	NA	NA	25000	24000	29000	19000 J
Ethane	--	UG/L	10.9	1.74	15.4	3.9	10.7	NA	NA	2.45	NA	NA	NA	NA	NA	1.53	2.02	1.94	2.22
Ethene	--	UG/L	1.2	0.5 U	1.7	5.96	6.26	2.52	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U
Nitrogen, Nitrate (As N)	--	UG/L	100 U	147	100 U	100 U	100 U	NA	NA	NA	NA	NA	NA	NA	NA	48 J	100 U	100 U	44 J
Sulfate (As SO4)	**250000**	UG/L	140000	60000	83000	68000	31000	NA	NA	NA	NA	NA	NA	NA	NA	**710000**	**700000**	**680000**	**710000**
Total Organic Carbon	--	UG/L	5680	2100	2660	4200	3600	3000	3200	4200	3600	3400	NA	NA	NA	6820	7280	6300	6430

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-23	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I
Sample Date:			10/10/2018	01/10/2019	04/04/2019	07/09/2019	10/03/2019	05/28/2020	10/27/2020	01/26/2021	10/27/2021	01/26/2022	04/29/2022	04/27/2017	04/27/2017	11/27/2017	03/29/2018	04/26/2018	06/01/2018
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
Chloride (As Cl)	**250000**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD - Chemical Oxygen Demand	--	UG/L	44000	18000 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	54000	57000	79000	82000	NA	NA
Ethane	--	UG/L	1.61	0.5 U	NA	NA	0.522	NA	NA	NA	0.795	NA	0.5 U	3.62	5.31	4.16	18.6	NA	NA
Ethene	--	UG/L	1.57	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	92.9	161	153	65.7	NA	NA
Nitrogen, Nitrate (As N)	--	UG/L	100 U	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	100 U	100 U	100 U	NA	NA
Sulfate (As SO4)	**250000**	UG/L	**630000**	**460000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	**300000**	**310000**	**500000**	**260000**	NA	NA
Total Organic Carbon	--	UG/L	5600	5700	4800	5100	5400	5700	6400	7000	8900	3400	3000	11100	19200	14000	12000	5400	6700

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-24I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I
Sample Date:			07/02/2018	10/09/2018	01/11/2019	04/05/2019	05/29/2020	10/28/2020	01/25/2021	04/28/2021	10/28/2021	01/26/2022	04/28/2022	04/27/2017	11/27/2017	03/29/2018	04/26/2018	06/01/2018	08/21/2018
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
Chloride (As Cl)	**250000**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD - Chemical Oxygen Demand	--	UG/L	28000	40000	24000	NA	NA	NA	NA	NA	NA	NA	NA	50000	20000 U	99000	NA	NA	56000
Ethane	--	UG/L	15.3	17.2	18	NA	NA	NA	NA	96.9	23.9	NA	5.35	2.94	0.5 U	59.7	NA	NA	43.8
Ethene	--	UG/L	129	563	237	810	543	536	1760	3620	48.8	17.4	1.25	11.1	1.22	21.3	NA	NA	3.53
Nitrogen, Nitrate (As N)	--	UG/L	48 J	100 U	54 J	NA	NA	NA	NA	NA	NA	NA	NA	100 U	110	100 U	NA	NA	100 U
Sulfate (As SO4)	**250000**	UG/L	**520000**	**610000**	**640000**	NA	NA	NA	NA	NA	NA	NA	NA	**850000**	**5100000**	**1900000**	NA	NA	**2000000**
Total Organic Carbon	--	UG/L	5440	10000	5800	5800	4300	4100	260000	16000	4700	4300	3500	15500	34100	11000	12000	14000	9600

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-25I	MW-D2	MW-D2	MW-D2	MW-D2
Sample Date:			10/09/2018	01/10/2019	01/10/2019	04/05/2019	07/08/2019	10/03/2019	05/28/2020	10/27/2020	01/25/2021	04/28/2021	10/25/2021	01/26/2022	04/29/2022	07/19/2016	10/11/2016	04/27/2017	11/27/2017
Normal or Field Duplicate:			N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
Chloride (As Cl)	**250000**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	89000	110000	NA	NA
COD - Chemical Oxygen Demand	--	UG/L	58000	45000	43000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	68000	130000
Ethane	--	UG/L	35	17.8	21.8	NA	NA	9.89	NA	NA	NA	3.86	2.57	NA	0.618	NA	NA	37.1	5.19
Ethene	--	UG/L	1.99	0.5 U	0.597	0.544	0.5 U	0.782	0.662	0.517	1.9	4.29	1.62	0.5 U	0.5 U	NA	NA	129	70.3
Nitrogen, Nitrate (As N)	--	UG/L	414	55 J	61 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	75 J
Sulfate (As SO4)	**250000**	UG/L	**3000000**	**3100000**	**3100000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**860000**	**3100000**
Total Organic Carbon	--	UG/L	9800	7800	5800	3600	4200	5400	5600	5400	5600	5400	4200	4000	3800	NA	NA	23000	21400

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2	MW-D2I
Sample Date:			03/29/2018	04/26/2018	06/01/2018	07/02/2018	10/09/2018	01/11/2019	04/05/2019	07/08/2019	10/04/2019	05/29/2020	10/28/2020	10/28/2020	01/25/2021	04/28/2021	10/28/2021	04/28/2022	07/19/2016
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
Chloride (As Cl)	**250000**	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	89000
COD - Chemical Oxygen Demand	--	UG/L	260000	NA	NA	86000	280000	22000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethane	--	UG/L	10.2	11.3	7.39	10.8	14.6	21.2	NA	NA	11.7	NA	NA	NA	NA	116	43.4	71.7	NA
Ethene	--	UG/L	157	389	371	672	3770	2240	2380	2350	3250	2140	2640	2440	3300	3060	2110	157	NA
Nitrogen, Nitrate (As N)	--	UG/L	100 U	NA	NA	73 J	58 J	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate (As SO4)	**250000**	UG/L	**1100000**	NA	NA	**980000**	**650000**	**1400000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	--	UG/L	45000	57000	16000	10800	53000	10000	9100	6700	8900	5800	6200	6200	140000	160000	8700	20000	NA

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I	MW-D2I
Sample Date:			10/11/2016	10/11/2016	04/27/2017	11/27/2017	03/29/2018	04/26/2018	06/01/2018	07/02/2018	10/09/2018	10/09/2018	01/11/2019	04/05/2019	07/08/2019	10/04/2019	05/28/2020	10/27/2020	01/25/2021
Normal or Field Duplicate:			N	FD	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit																	
Chloride (As Cl)	**250000**	UG/L	99000	99000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
COD - Chemical Oxygen Demand	--	UG/L	NA	NA	43000	120000	75000	NA	NA	21000	60000	30000	31000	NA	NA	NA	NA	NA	NA
Ethane	--	UG/L	NA	NA	1.22	0.5 U	15.1	NA	NA	22.9	21.8	20.8	6.43	NA	NA	13.1	NA	NA	NA
Ethene	--	UG/L	NA	NA	157	2.45	49.6	NA	NA	93.2	82.5	76.5	24.4	28.8	123	212	142	213	104
Nitrogen, Nitrate (As N)	--	UG/L	NA	NA	110	316	100 U	NA	NA	100 U	100 U	33 J	37 J	NA	NA	NA	NA	NA	NA
Sulfate (As SO4)	**250000**	UG/L	NA	NA	**360000**	**8700000**	**990000**	NA	NA	**630000**	**940000**	**960000**	**2200000**	NA	NA	NA	NA	NA	NA
Total Organic Carbon	--	UG/L	NA	NA	14000	24000	8700	8200	5200	3740	4400	4400	770	2600	2500	3400	2400	3100	600000

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

Sample Designation:			MW-D2I	MW-D2I	MW-D2I	MW-D2I
Sample Date:			04/28/2021	10/28/2021	01/26/2022	04/29/2022
Normal or Field Duplicate:			N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Guidance Values	Unit				
Chloride (As Cl)	**250000**	UG/L	NA	NA	NA	NA
COD - Chemical Oxygen Demand	--	UG/L	NA	NA	NA	NA
Ethane	--	UG/L	27.7	50.9	NA	12.1
Ethene	--	UG/L	37.9	196	14.6	23.2
Nitrogen, Nitrate (As N)	--	UG/L	NA	NA	NA	NA
Sulfate (As SO4)	**250000**	UG/L	NA	NA	NA	NA
Total Organic Carbon	--	UG/L	180000	580000	1400000	580000

FIGURES

1. Site Location Map
2. Site Plan
3. Site-wide Cover System
4. Average Total CVOC Concentrations in Groundwater

QUADRANGLE LOCATION

SOURCE:
USGS; Brooklyn, New York
7.5 Minute Topographic Quadrangle

N

0 2000'

Title:

SITE LOCATION MAP

PERIODIC REVIEW REPORT

Prepared for:

PFIZER INC
BROOKLYN, NEW YORK

ROUX

Compiled by: J.M.	Date: 22NOV22	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	1
Project Mgr: J.M.	Project: 0047.0044Y048	
File: 0047.0044Y749.01.CDR		

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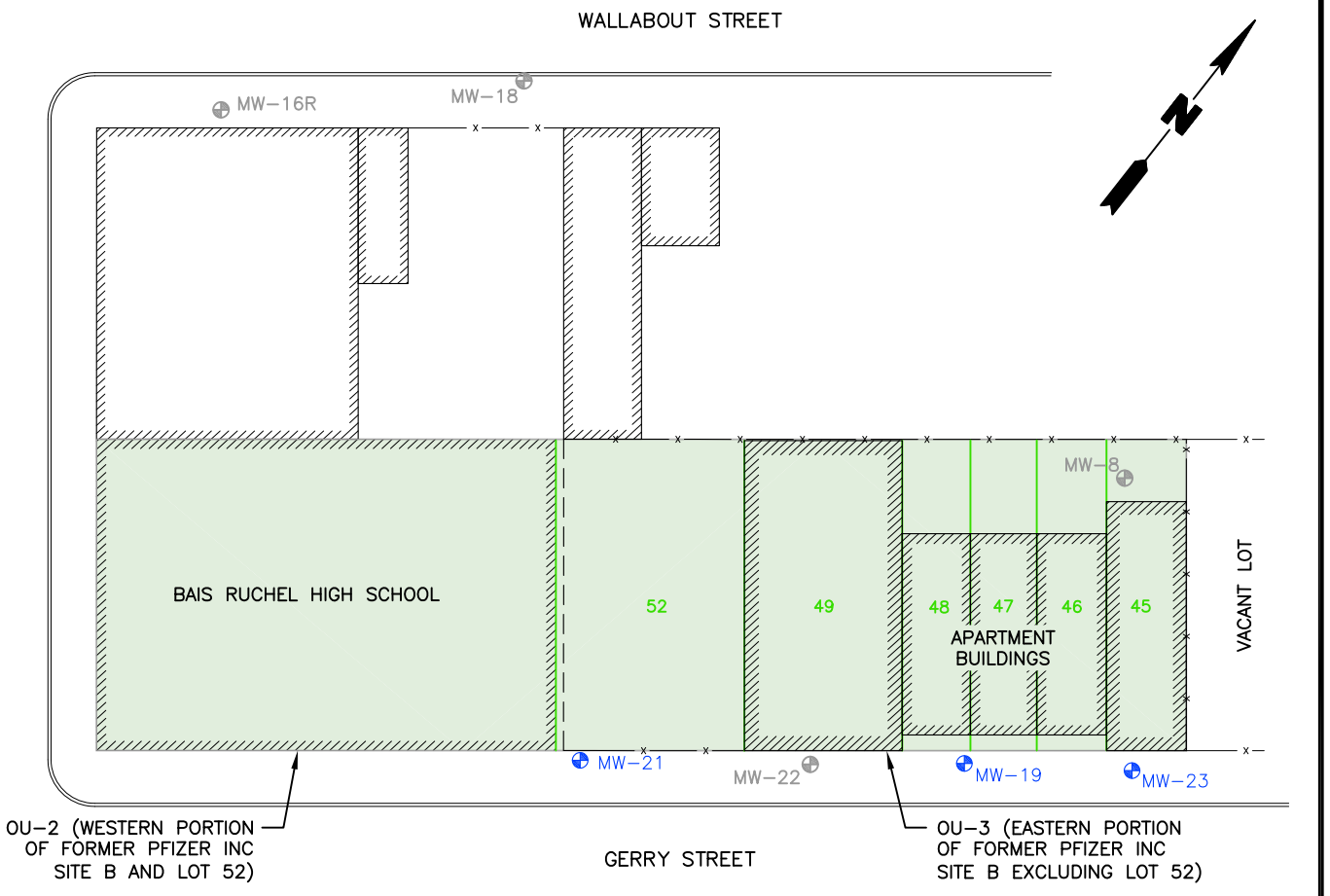

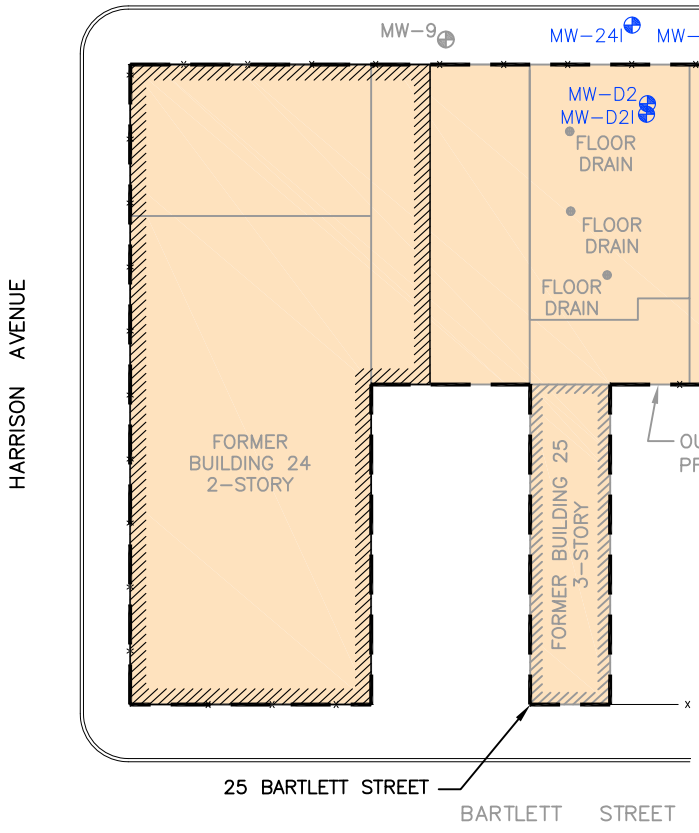

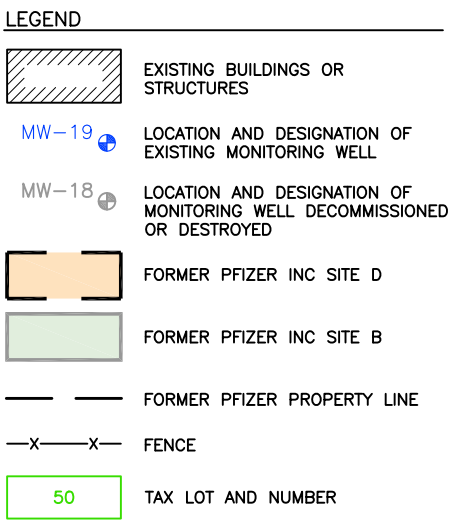

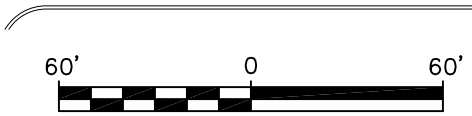

Title:

SITE PLAN

PERIODIC REVIEW REPORT

Prepared for:

PFIZER INC
BROOKLYN, NEW YORK

ROUX	Compiled by: J.M.	Date: 22NOV22	FIGURE 2
	Prepared by: B.H.C.	Scale: AS SHOWN	
	Project Mgr: J.M.	Project: 0047.0044Y048	
	File: 0047.0044Y749.02.DWG		

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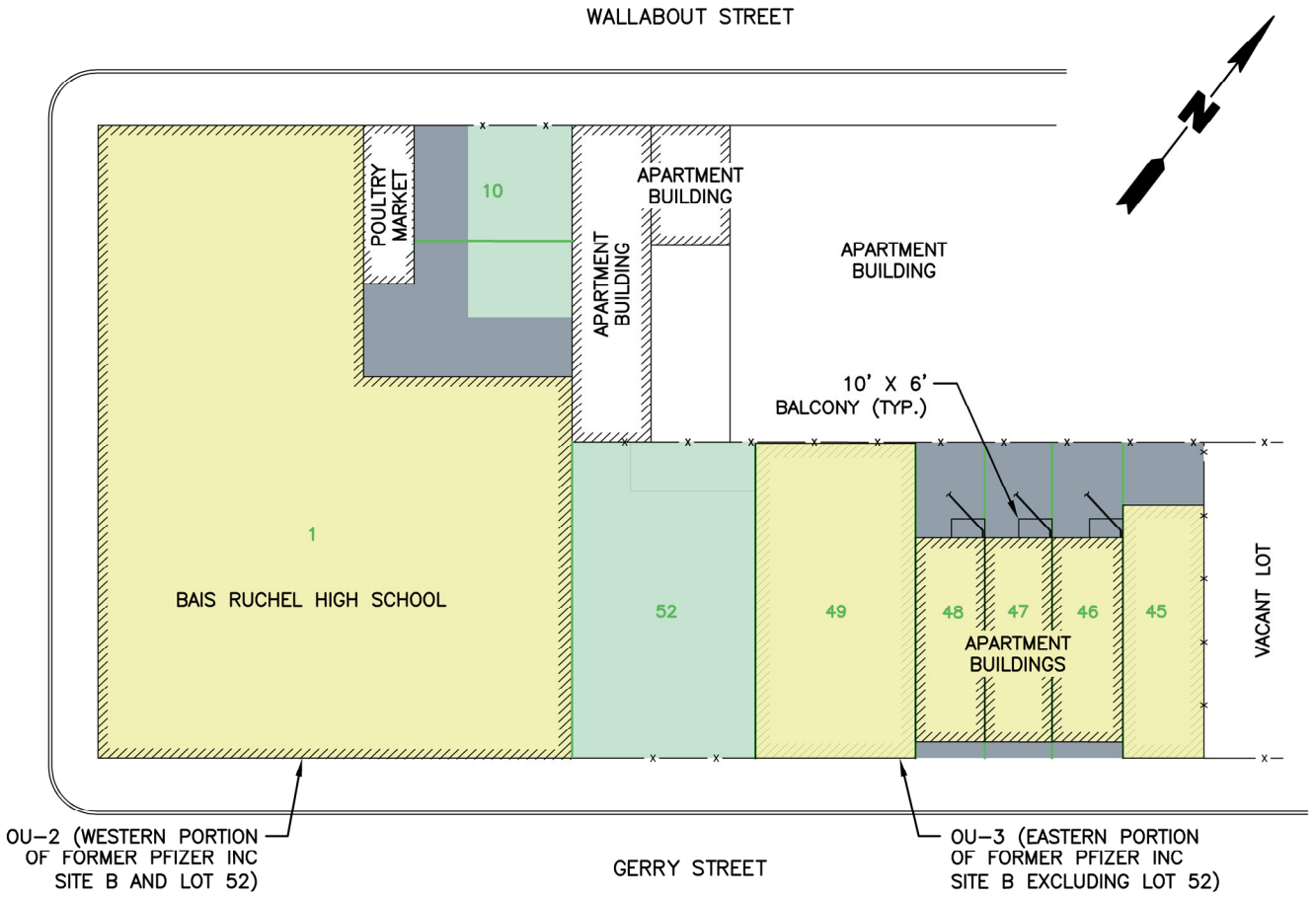

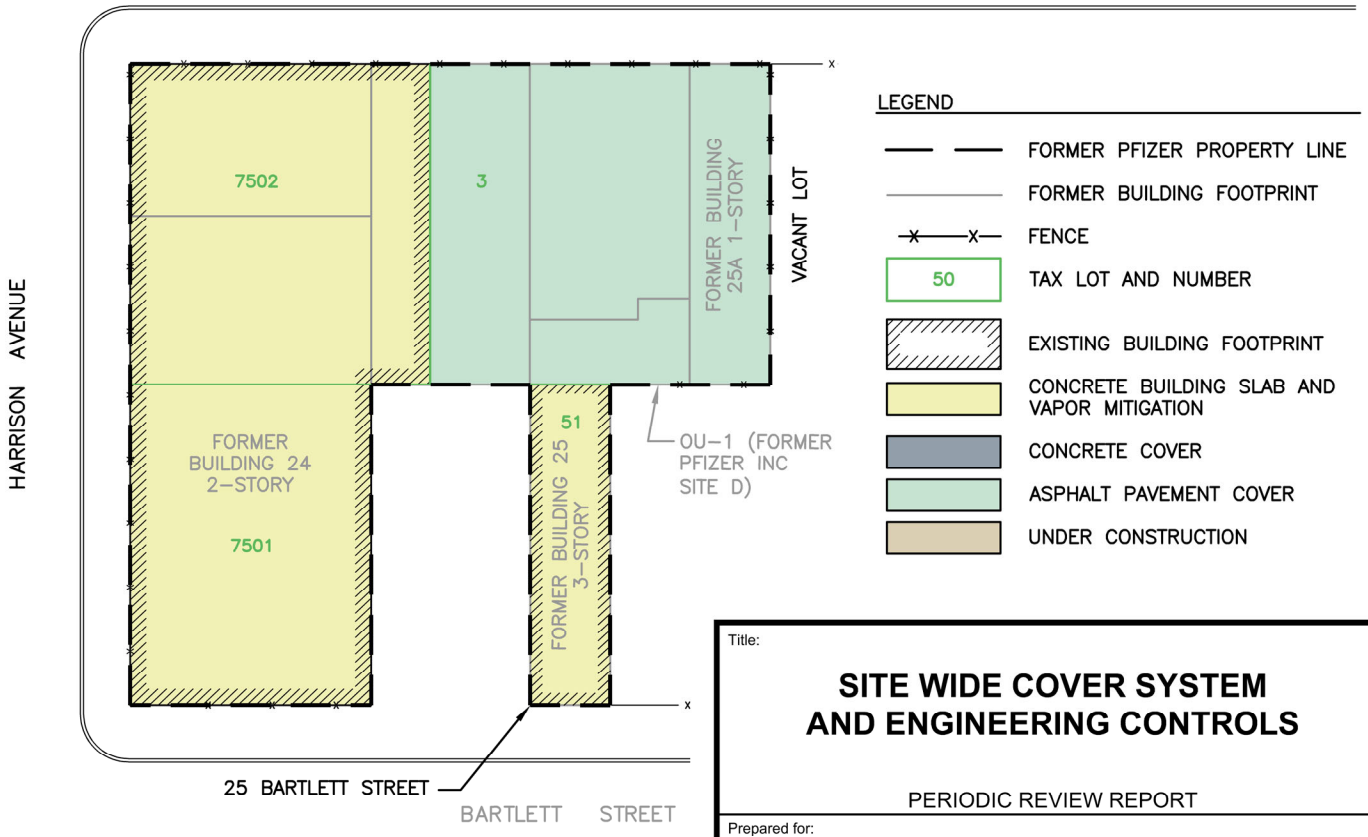

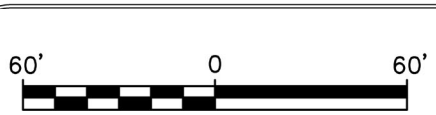

Title:

SITE WIDE COVER SYSTEM AND ENGINEERING CONTROLS

PERIODIC REVIEW REPORT

Prepared for:

PFIZER INC
BROOKLYN, NEW YORK

ROUX	Compiled by: J.M.	Date: 21NOV22	FIGURE 3
	Prepared by: B.H.C.	Scale: AS SHOWN	
	Project Mgr: J.M.	Project: 0047.0044Y048	
	File: 0047.0044Y749.03.DWG		

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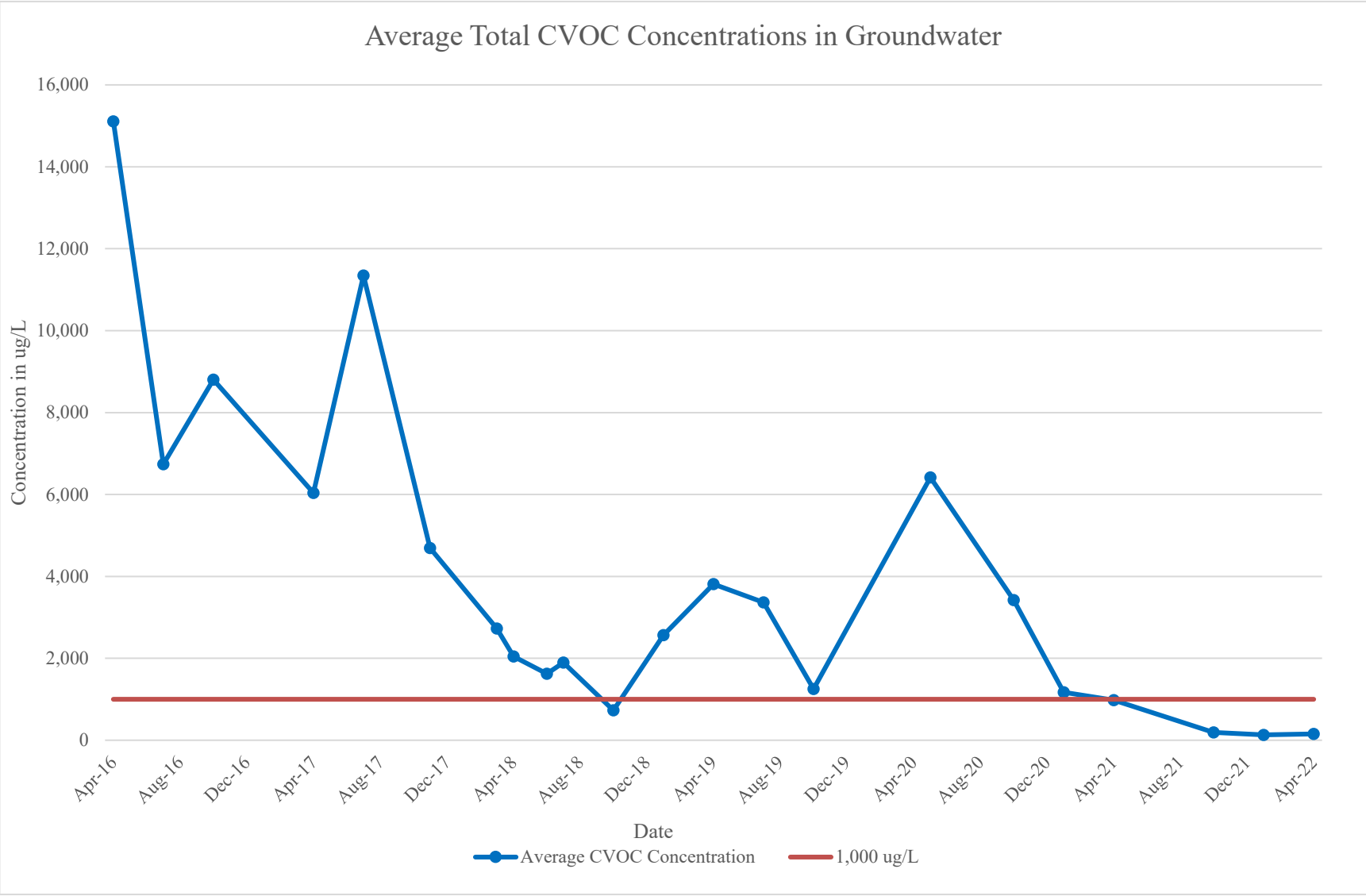
Figure 4: Average Total CVOC Concentrations in Groundwater, Pfizer Site B D, 60-66 Gerry Street, Brooklyn, NY



Notes:
1. Average CVOC concentration calculated from average of total CVOCs in monitoring wells within the Radius of Influence (ROI) of the in-situ treatment area
2. The total CVOC concentration in micrograms per liter (µg/L) was calculated by adding the concentrations of cis-1,2-dichloroethene (cis-1,2 DCE), trans-1,2-dichloroethene (trans-1,2 DCE), trichloroethene (TCE), tetrachloroethene (PCE), and vinyl chloride (VC).
3. 1,000 ug/L is the target threshold of total CVOCs for montioring wells within the ROI

APPENDICES

A. OU-1 Monitoring Form and Inspection Reports
B. OU-2 Monitoring Form and Inspection Reports
C. OU-3 Monitoring Form and Inspection Reports
D. Certification Form

APPENDIX A

OU-1 Monitoring Form and Inspection Reports

AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105
O: 718.545.0474

September 28, 2022

Mandy Yau
Project Manager
New York State Department of Environmental Conservation
47-40 21st Street
Long Island City, NY 11101

Re: Annual Vapor Intrusion Testing Report
Former Pfizer Inc Site D, Block 2269, Lot 1 and 2
58 Gerry Street, Brooklyn, New York
NYCDOB # 321547395
OER Project # 17TMP0546K
VCP # V00350

Dear Ms. Yau:

Attached is the annual Vapor Intrusion Testing Report for the above referenced site prepared by AMC Engineering PLLC (AMC) on behalf of 58 Gerry Street, LLC. This report summarizes the indoor air sample results that were collected from September 15 through September 16, 2022 within the Lot 1 (25 Bartlett Street) and Lot 2 (58 Gerry Street) buildings to evaluate vapor intrusion potential in accordance with the approved June 2018 Site Management Plan (SMP) at the above referenced site.

If you have any questions or comments regarding the attached report, please do not hesitate to contact me.

Very truly yours,

Angela DeVico
Environmental Technician

Cc: Abe Brach
Henny Brach
Ariel Czemerinski, AMC ariel@amc-engineering.com

Background

The Site currently consists of four Lots. Lots 1 and 2 have been developed with two residential buildings (building at 25 Bartlett Street and building at 58 Gerry Street) with commercial tenants on the ground floor that share foundation elements and a common slab-on-grade; Lot 3 contains a concrete courtyard; and Lot 51 contains an existing 3-story building located at 33 Bartlett Street. The entire footprint of Lots 1 and 2 have a concrete cover with a vapor barrier installed to address soil vapor intrusion from the remaining contaminants in groundwater beneath the Site.

According to the Final Site Management Plan (SMP), approved by the New York State Department of Environmental Conservation (NYSDEC) in June 2018, because the new buildings have foundations extending to the water table, a sub-slab depressurization system was not feasible below the building slab. Therefore, the potential for soil vapor intrusion in new development structures were evaluated with the collection and analysis of indoor air annually.

Vapor Intrusion Sampling

Prior to sample collection, AMC inspected the chemical and product inventory observed in both buildings. Our Soil Vapor Intrusion /Structure Sampling Building Questionnaire for the two buildings is provided in Appendix A. From September 15 through September 16, 2022, four (two for each building) indoor air samples were collected within the basement and first floor levels at the breathing zone to determine the potential of vapor intrusion into the Site buildings. In conjunction with the indoor air sampling, one (1) ambient air quality sample was collected at the breathing zone to characterize Site-specific background outdoor air conditions. Samples were collected using batch-certified, 6.0-liter vacuum canisters equipped with laboratory-supplied regulators calibrated to collect a sample over a 24-hour period (for indoor air and ambient air). The five air quality samples were submitted to Phoenix Environmental Laboratories (Manchester, CT) for volatile organic carbon (VOCs) analysis via USEPA Method TO 15.

RESULTS

The results of the sampling were compared to the applicable Matrices A, B and C of the New York State Department of Health (NYSDOH), Soil Vapor Intrusion (SVI) Guidance for evaluating vapor intrusion in New York State. Except for methylene chloride, trichloroethylene, and carbon tetrachloride, none of the indoor air samples analyzed from the 58 Gerry Street and 25 Bartlett Street Buildings exhibited chlorinated VOCs at concentrations above the respective minimal values for “Indoor Air Concentration” in its respective NYSDOH decision matrix. The Trichloroethene was found in the AA-5 (Outdoor air sample) and not in any of the Indoor Air samples. While Carbon Tetrachloride was found in all indoor air samples above the concentration guidelines, it was also found in the AA-5 sample (outdoor air) in similar concentration, therefore it is inferred that the presence of Carbon Tetrachloride is due to an outdoor source and not from sub-slab vapor intrusion. The Methylene Chloride results for the IA-4 indoor air sample collected (18.6 µg/m3) originates in the first floor of the building

that is still unoccupied and being worked on. The concentration of Methylene Chloride, while exceeding the guideline concentration for action, was obtained in the first floor in a room above a basement space for which no Methylene Chloride was found. It is therefore interpreted that the exhibited concentration of Methylene Chloride on the first floor does not originate from sub-slab indoor air intrusion, but from another potential source. A visual inspection of the area did not reveal an obvious source for this compound. It is suggested that when construction is completed, this test be repeated to ensure that the space can be safely occupied.

Lab report details are provided in Appendix B. Figure 1 shows the indoor air sampling locations in the Buildings first floor and basement. Table 1 illustrates the results of the indoor and outdoor air sampling in the Buildings.

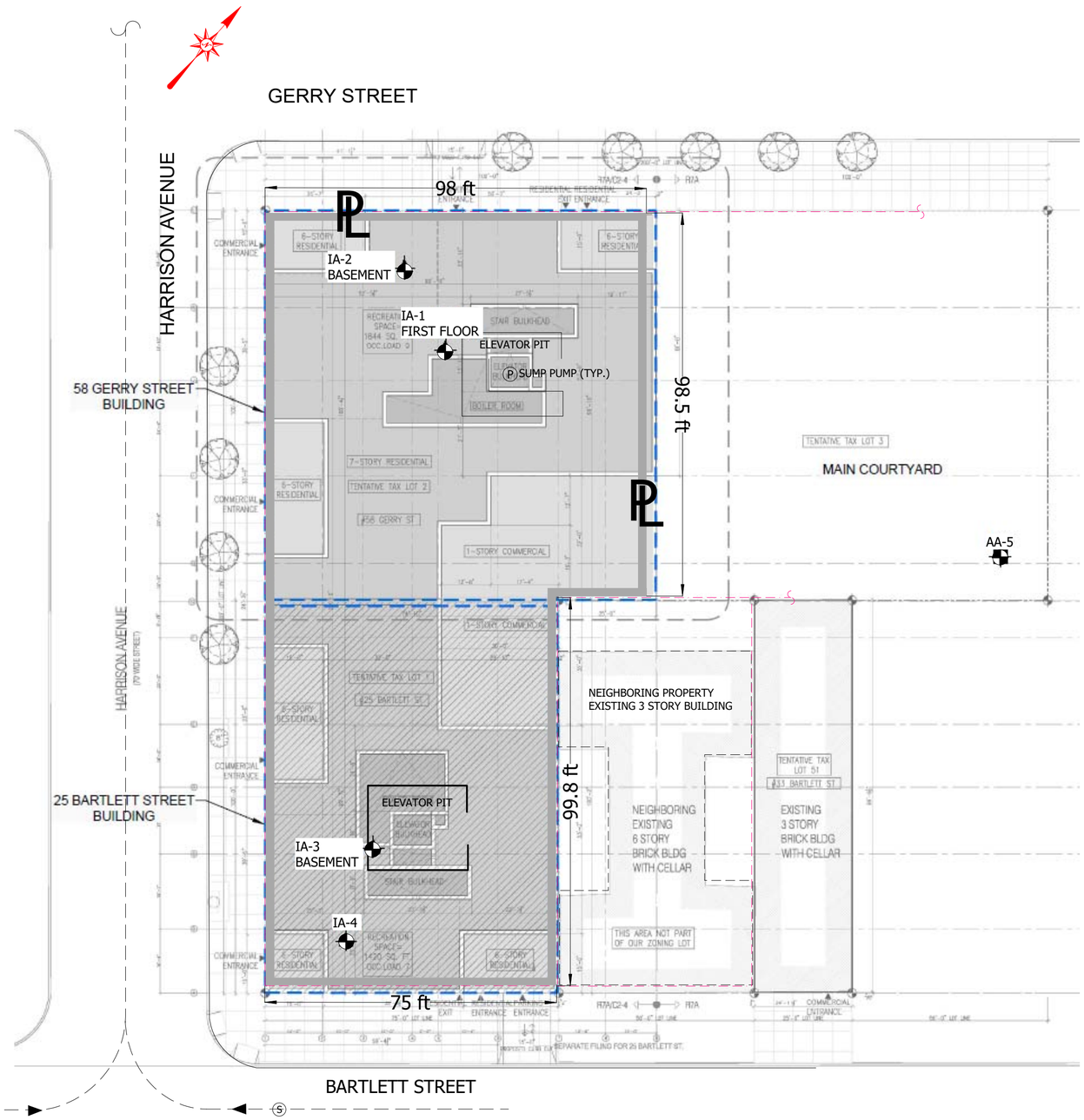
SUMMARY AND CONCLUSIONS

Based on the laboratory results, the concentrations of VOCs (based on current NYSDOH Decision Matrices from Final Soil Vapor Intrusion Guidance, October 2006 and updated May 2017) does not require further action at the 58 Gerry Street and 25 Bartlett Street Buildings of the Site, except that resampling of the first floor indoor air space may be advisable to ensure that all sources of TCE have been removed once construction is complete.

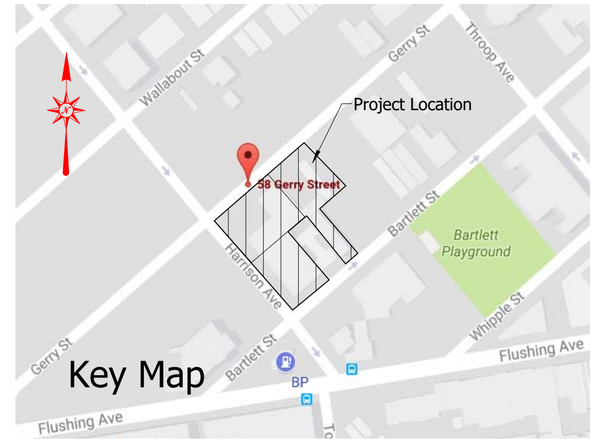
Table 1: Indoor Air Sampling Results in 58 Gerry Street and 25 Bartlett Avenue Buildings

Phoenix Environmental Laboratories, Inc.													
587 East Middle Turnpike													
P.O. Box 370	Lab Sample Id			CM35408		CM35409		CM35410		CM35411		CM35412	
Manchester, CT 06040	Collection Date			09/15/2022		09/15/2022		09/15/2022		09/15/2022		09/15/2022	
(860) 645-1102	Client Id			IA-3		IA-1		AA-5		IA-4		IA-2	
	Matrix			AIR		AIR		AIR		AIR		AIR	
SDG: GCM35408			NY										
Project: 58 GERRY STREET/28 BARTLETT STREET	CAS	Units	Soil Vapor (IA)	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Volatiles (TO15) - TO15													
1,1,1,2-Tetrachloroethane	630-20-6	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1,1-Trichloroethane	71-55-6	ug/m3	3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1,2-Trichloroethane	79-00-5	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1-Dichloroethane	75-34-3	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1-Dichloroethene	75-35-4	ug/m3	0.2	< 0.20	0.2	< 0.20	0.2	< 0.20	0.2	< 0.20	0.2	< 0.20	0.2
1,2,4-Trichlorobenzene	120-82-1	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2,4-Trimethylbenzene	95-63-6	ug/m3		< 1.00	1	2.76	1	< 1.00	1	1.32	1	1.82	1
1,2-Dibromoethane(EDB)	106-93-4	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-Dichlorobenzene	95-50-1	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-Dichloroethane	107-06-2	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-dichloropropane	78-87-5	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-Dichlorotetrafluoroethane	76-14-2	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,3,5-Trimethylbenzene	108-67-8	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,3-Butadiene	106-99-0	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,3-Dichlorobenzene	541-73-1	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,4-Dichlorobenzene	106-46-7	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,4-Dioxane	123-91-1	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
2-Hexanone(MBK)	591-78-6	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
4-Ethyltoluene	622-96-8	ug/m3		< 1.00	1	2.21	1	< 1.00	1	< 1.00	1	1.41	1
4-Isopropyltoluene	99-87-6	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Acetone	67-64-1	ug/m3		30.4	1	11.2	1	7.62	1	10.5	1	16.4	1
Acrylonitrile	107-13-1	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Benzene	71-43-2	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Benzyl chloride	100-44-7	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Bromodichloromethane	75-27-4	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Bromoform	75-25-2	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Bromomethane	74-83-9	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Carbon Disulfide	75-15-0	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Carbon Tetrachloride	56-23-5	ug/m3	0.2	0.46	0.2	0.48	0.2	0.57	0.2	0.42	0.2	0.41	0.2
Chlorobenzene	108-90-7	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Chloroethane	75-00-3	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Chloroform	67-66-3	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Chloromethane	74-87-3	ug/m3		1.07	1	1.19	1	1.13	1	< 1.00	1	< 1.00	1
Cis-1,2-Dichloroethene	156-59-2	ug/m3	0.2	< 0.20	0.2	< 0.20	0.2	< 0.20	0.2	< 0.20	0.2	< 0.20	0.2
cis-1,3-Dichloropropene	10061-01-5	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Cyclohexane	110-82-7	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Dibromochloromethane	124-48-1	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Dichlorodifluoromethane	75-71-8	ug/m3		2.51	1	2.35	1	2.36	1	2.15	1	2.13	1
Ethanol	64-17-5	ug/m3		100	1	45	1	33.9	1	21.7	1	36.5	1
Ethyl acetate	141-78-6	ug/m3		9.08	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Ethylbenzene	100-41-4	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Heptane	142-82-5	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Hexachlorobutadiene	87-68-3	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Hexane	110-54-3	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	1.21	1	< 1.00	1
Isopropylalcohol	67-63-0	ug/m3		26.5	1	2.87	1	3.17	1	2.01	1	3.37	1
Isopropylbenzene	98-82-8	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
m,p-Xylene	179601-23-1	ug/m3		1.28	1	3.03	1	< 1.00	1	2.66	1	3.59	1
Methyl Ethyl Ketone	78-93-3	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	1.39	1
Methyl tert-butyl ether(MTBE)	1634-04-4	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Methylene Chloride	75-09-2	ug/m3	3	< 3.00	3	< 3.00	3	< 3.00	3	18.6	3	< 3.00	3
n-Butylbenzene	104-51-8	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
o-Xylene	95-47-6	ug/m3		< 1.00	1	1.67	1	< 1.00	1	< 1.00	1	< 1.00	1
Propylene	115-07-1	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
sec-Butylbenzene	135-98-8	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Styrene	100-42-5	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Tetrachloroethene	127-18-4	ug/m3	3	0.3	0.25	0.37	0.25	0.33	0.25	< 0.25	0.25	< 0.25	0.25
Tetrahydrofuran	109-99-9	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Toluene	108-88-3	ug/m3		2.24	1	2.34	1	1.6	1	1.94	1	3.1	1
Trans-1,2-Dichloroethene	156-60-5	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
trans-1,3-Dichloropropene	10061-02-6	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Trichloroethene	79-01-6	ug/m3	0.2	< 0.20	0.2	< 0.20	0.2	0.39	0.2	< 0.20	0.2	< 0.20	0.2
Trichlorofluoromethane	75-69-4	ug/m3		1.52	1	1.4	1	1.46	1	1.09	1	1.09	1
Trichlorotrifluoroethane	76-13-1	ug/m3		< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Vinyl Chloride	75-01-4	ug/m3	0.2	< 0.20	0.2	< 0.20	0.2	< 0.20	0.2	< 0.20	0.2	< 0.20	0.2
Result Detected													
RL Exceeds Criteria													
Result Exceeds Criteria													

Figure 1: Site Sampling Location



SITE PLAN



Property Owner:
58 Gerry St. LLC
992 Bedford Ave, Brooklyn, NY 11205
Contact: Juda Klein

AMC ENGINEERING PLLC
18-36 42nd Street
Astoria, NY 11105
718 545-0474

PROJECT

58 Gerry St
Brooklyn, NY 11206
Block 2269 Lot1
NYSDEC VCP Site No. V-00350

TITLE:

Indoor Air Sampling Location Plan

SEAL & SIGNATURE:

DATE: SEP 28, 2022
PROJECT No:
DRAWING BY: AC
CHK BY:
DWG No:

IA-1

Appendix A: Soil Vapor Intrusion – Structure Sampling Building Questionnaire

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Angela DeVivo Date/Time Prepared 09/15/2022 11:30AM

Preparer's Affiliation AMC Engineering Phone No. _____

Purpose of Investigation 58 Berry St Air Sampling

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

(Residential)	School	(Commercial/Multi-use)
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors 6 Building age_____

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

Infiltration into air ducts

_____

_____

_____

5. **BASEMENT AND CONSTRUCTION CHARACTERISTICS** (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

_____

_____

6. **HEATING, VENTING and AIR CONDITIONING** (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

_____

_____

_____

_____

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom (Almost Never)

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	storage, possible commercial, boiler room, electrical rooms etc.
1st Floor	Residential, possible commercial
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N

b. Does the garage have a separate heating unit? Y / N / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / NA Please specify_____

d. Has the building ever had a fire? Y / N When?_____

e. Is a kerosene or unvented gas space heater present? Y / N Where?_____

f. Is there a workshop or hobby/craft area? Y / N Where & Type? _____

g. Is there smoking in the building? Y / N How frequently? _____

h. Have cleaning products been used recently? Y / N When & Type? _____

i. Have cosmetic products been used recently? Y / N When & Type? _____

j. Has painting/staining been done in the last 6 months? (Y) / N Where & When? Basement 09/15/2022

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? Y / (N) When & Type? _____

m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / N If yes, where vented? _____

o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? (Y) / N
If yes, please describe: Paint odor in the basement

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply:	Public Water	Drilled Well	Driven Well	Dug Well	Other: _____
Sewage Disposal:	Public Sewer	Septic Tank	Leach Field	Dry Well	Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

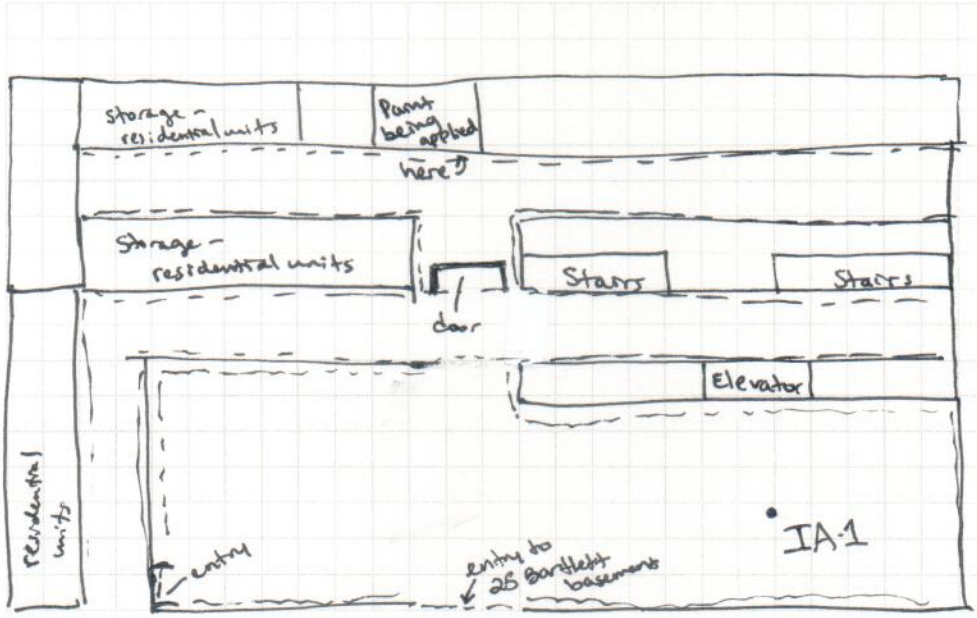
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

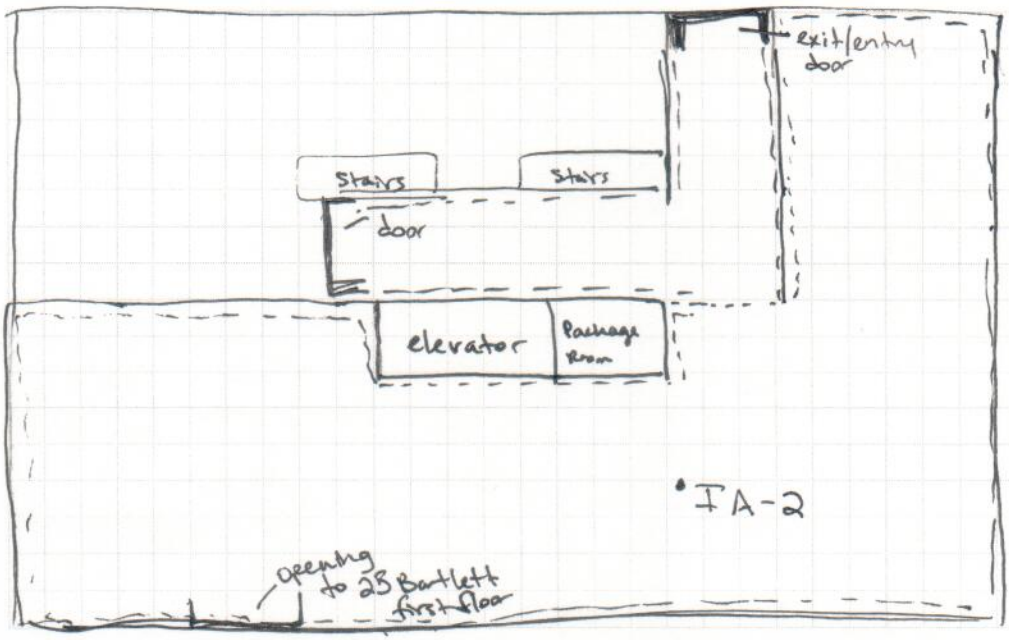
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



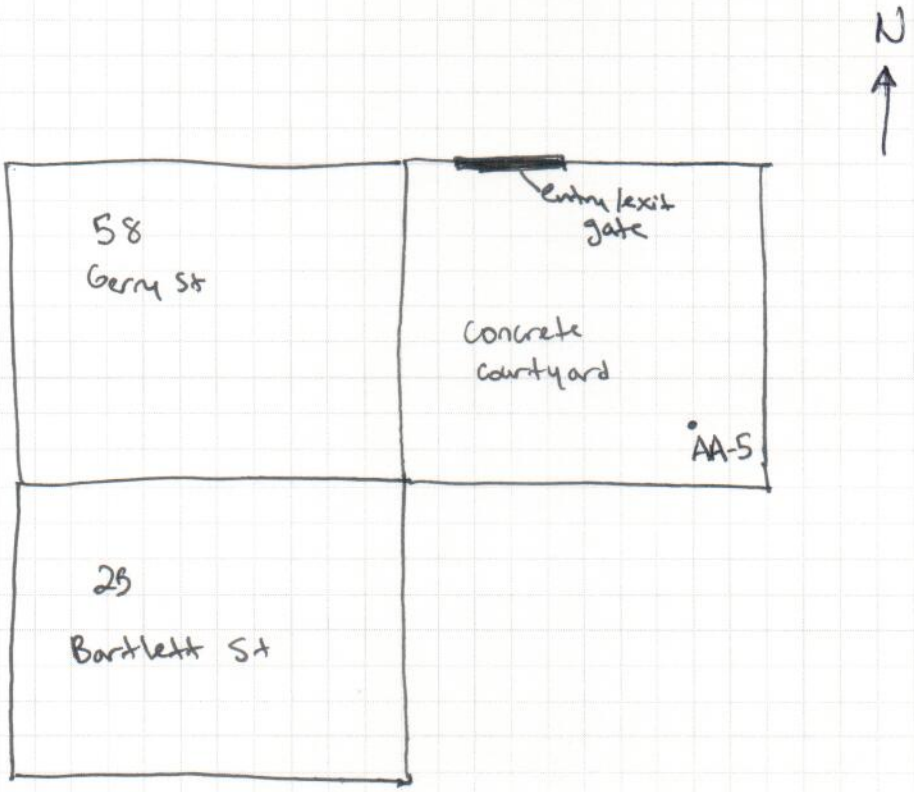
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: Nose - Olfactory

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
Basement	Paint	1 gal	open	Non-Voc paint.		N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Angela DeVico Date/Time Prepared 09/15/2022 / 1:00PM

Preparer's Affiliation AMC Engineering Phone No. _____

Purpose of Investigation 25 Bartlett St Air Sampling

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

(Residential)	School	(Commercial/Multi-use)
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors 6 Building age_____

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

Infiltration into air ducts

_____

_____

_____

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

_____

_____

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

_____

_____

_____

_____

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom (Almost Never)

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	boiler room, electric rooms, etc.
1st Floor	residential, possible commercial
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N

b. Does the garage have a separate heating unit? Y / N / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / NA Please specify_____

d. Has the building ever had a fire? Y / N When?_____

e. Is a kerosene or unvented gas space heater present? Y / N Where? _____

f. Is there a workshop or hobby/craft area? Y / N Where & Type? _____

g. Is there smoking in the building? Y / N How frequently? _____

h. Have cleaning products been used recently? Y / N When & Type? _____

i. Have cosmetic products been used recently? Y / N When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? Y / (N) When & Type? _____

m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / N If yes, where vented? _____

o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y / (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

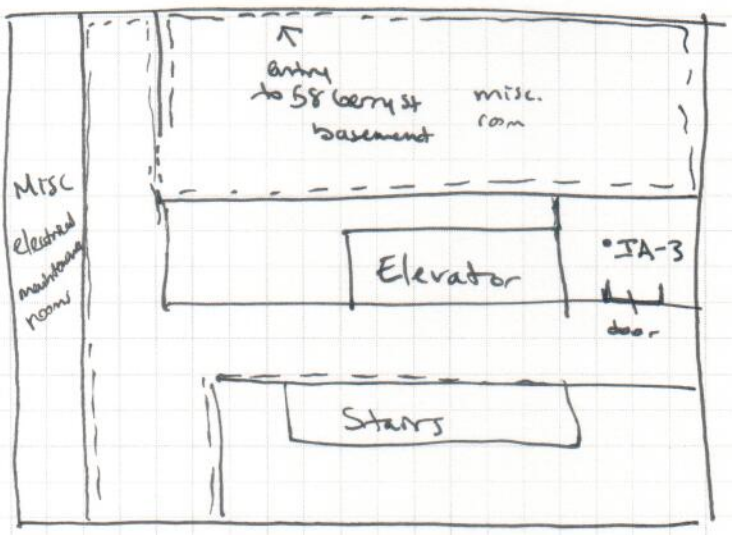
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

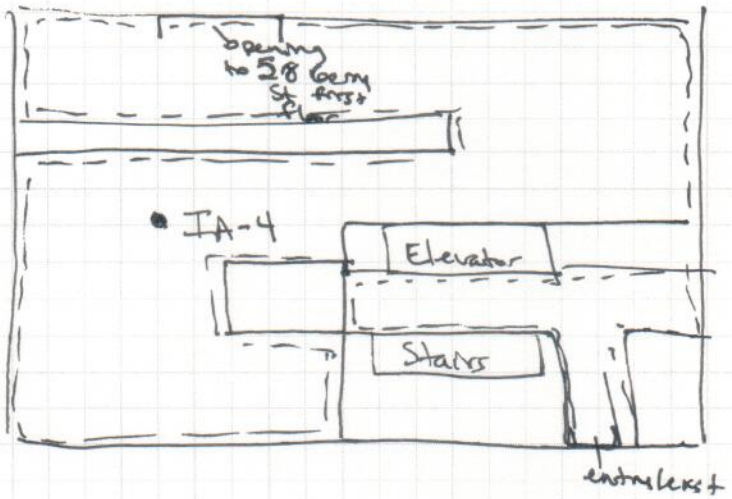
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



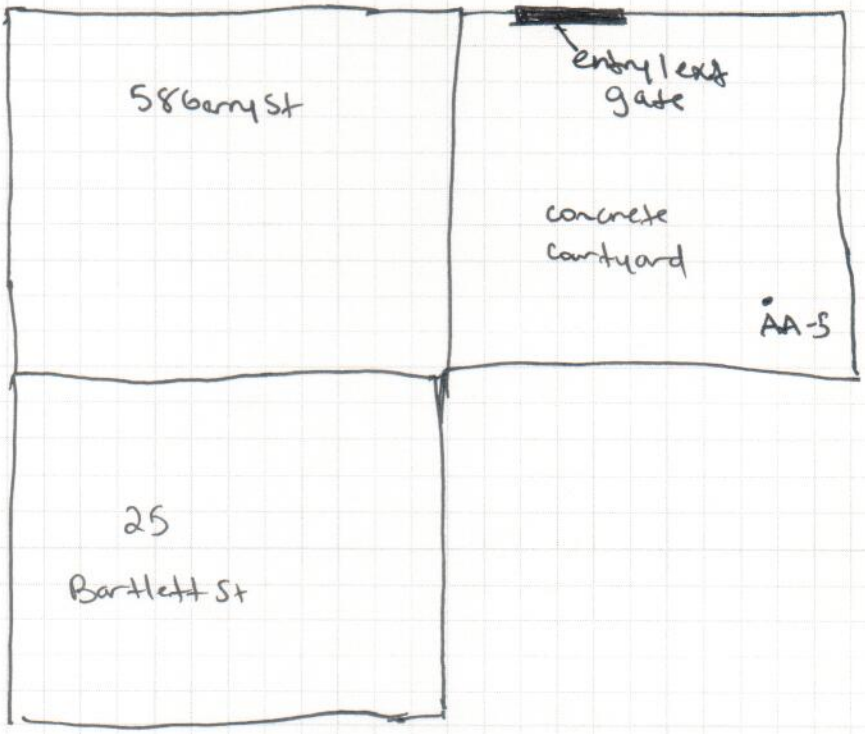
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Appendix B: Phoenix Laboratory Data Package

PHOENIX
Environmental Laboratories, Inc.

Thursday, September 22, 2022

Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Project ID: 58 GERRY STREET/28 BARTLETT STREET
SDG ID: GCM35408
Sample ID#s: CM35408 - CM35412

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

September 22, 2022

SDG I.D.: GCM35408

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Sample Id Cross Reference

September 22, 2022

SDG I.D.: GCM35408

Project ID: 58 GERRY STREET/28 BARTLETT STREET

Client Id	Lab Id	Matrix
IA-3	CM35408	AIR
IA-1	CM35409	AIR
AA-5	CM35410	AIR
IA-4	CM35411	AIR
IA-2	CM35412	AIR

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 22, 2022

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AD	09/15/22	12:53
Location Code:	AMC-ENG	Received by:	CP	09/19/22	16:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	12863				

Laboratory Data

SDG ID: GCM35408
Phoenix ID: CM35408

Project ID: 58 GERRY STREET/28 BARTLETT STREET
Client ID: IA-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	09/20/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	09/20/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	09/20/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	09/20/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	09/20/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	09/20/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	09/20/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	09/20/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	09/20/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	09/20/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	09/20/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	09/20/22	KCA	1	
Acetone	12.8	*0.421*	0.421	30.4	*1.00*	1.00	09/20/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	09/20/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	09/20/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	09/20/22	KCA	1	

Project ID: 58 GERRY STREET/28 BARTLETT STREET Phoenix I.D.: CM35408

Client ID: IA-3

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	09/20/22	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	09/20/22	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	09/20/22	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	09/20/22	KCA	1	
Carbon Tetrachloride	0.073		*0.032*	0.032	0.46	*0.20*	0.20	09/20/22	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	09/20/22	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	09/20/22	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	09/20/22	KCA	1	
Chloromethane	0.520		*0.485*	0.485	1.07	*1.00*	1.00	09/20/22	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND	*0.20*	0.20	09/20/22	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	09/20/22	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	09/20/22	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	09/20/22	KCA	1	
Dichlorodifluoromethane	0.507		*0.202*	0.202	2.51	*1.00*	1.00	09/20/22	KCA	1	
Ethanol	53.3	E	*0.531*	0.531	100	*1.00*	1.00	09/20/22	KCA	1	1
Ethyl acetate	2.52		*0.278*	0.278	9.08	*1.00*	1.00	09/20/22	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	09/20/22	KCA	1	
Heptane	ND		*0.244*	0.244	ND	*1.00*	1.00	09/20/22	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	09/20/22	KCA	1	
Hexane	ND		*0.284*	0.284	ND	*1.00*	1.00	09/20/22	KCA	1	
Isopropylalcohol	10.8		*0.407*	0.407	26.5	*1.00*	1.00	09/20/22	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	09/20/22	KCA	1	
m,p-Xylene	0.296		*0.230*	0.230	1.28	*1.00*	1.00	09/20/22	KCA	1	
Methyl Ethyl Ketone	ND		*0.339*	0.339	ND	*1.00*	1.00	09/20/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	09/20/22	KCA	1	
Methylene Chloride	ND		*0.863*	0.863	ND	*3.00*	3.00	09/20/22	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	09/20/22	KCA	1	1
o-Xylene	ND		*0.230*	0.230	ND	*1.00*	1.00	09/20/22	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	09/20/22	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	09/20/22	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	09/20/22	KCA	1	
Tetrachloroethene	0.044		*0.037*	0.037	0.30	*0.25*	0.25	09/20/22	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	09/20/22	KCA	1	1
Toluene	0.595		*0.266*	0.266	2.24	*1.00*	1.00	09/20/22	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	09/20/22	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	09/20/22	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND	*0.20*	0.20	09/20/22	KCA	1	
Trichlorofluoromethane	0.271		*0.178*	0.178	1.52	*1.00*	1.00	09/20/22	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	09/20/22	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND	*0.20*	0.20	09/20/22	KCA	1	
QA/QC Surrogates/Internals											
% Bromofluorobenzene	99		*%*	%	99	*%*	%	09/20/22	KCA	1	
% IS-1,4-Difluorobenzene	79		*%*	%	79	*%*	%	09/20/22	KCA	1	
% IS-Bromochloromethane	81		*%*	%	81	*%*	%	09/20/22	KCA	1	
% IS-Chlorobenzene-d5	84		*%*	%	84	*%*	%	09/20/22	KCA	1	

Project ID: 58 GERRY STREET/28 BARTLETT STREET Phoenix I.D.: CM35408

Client ID: IA-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

The canister was received under no vacuum, therefore sample results may not be representative.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

September 22, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 22, 2022

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AD	09/15/22	11:57
Location Code:	AMC-ENG	Received by:	CP	09/19/22	16:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28560				

Laboratory Data

SDG ID: GCM35408
Phoenix ID: CM35409

Project ID: 58 GERRY STREET/28 BARTLETT STREET
Client ID: IA-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	09/20/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	09/20/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2,4-Trimethylbenzene	0.561	*0.204*	0.204	2.76	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	09/20/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	09/20/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	09/20/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	09/20/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	09/20/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	09/20/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	09/20/22	KCA	1	1
4-Ethyltoluene	0.450	*0.204*	0.204	2.21	*1.00*	1.00	09/20/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	09/20/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	09/20/22	KCA	1	
Acetone	4.73	*0.421*	0.421	11.2	*1.00*	1.00	09/20/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	09/20/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	09/20/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	09/20/22	KCA	1	

Project ID: 58 GERRY STREET/28 BARTLETT STREET Phoenix I.D.: CM35409

Client ID: IA-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	09/20/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	09/20/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	09/20/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	09/20/22	KCA	1	
Carbon Tetrachloride	0.077	*0.032*	0.032	0.48	*0.20*	0.20	09/20/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	09/20/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	09/20/22	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	09/20/22	KCA	1	
Chloromethane	0.575	*0.485*	0.485	1.19	*1.00*	1.00	09/20/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	09/20/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	09/20/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	09/20/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	09/20/22	KCA	1	
Dichlorodifluoromethane	0.476	*0.202*	0.202	2.35	*1.00*	1.00	09/20/22	KCA	1	
Ethanol	23.9	*0.531*	0.531	45.0	*1.00*	1.00	09/20/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	09/20/22	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	09/20/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	09/20/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	09/20/22	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	09/20/22	KCA	1	
Isopropylalcohol	1.17	*0.407*	0.407	2.87	*1.00*	1.00	09/20/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	09/20/22	KCA	1	
m,p-Xylene	0.699	*0.230*	0.230	3.03	*1.00*	1.00	09/20/22	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	0.339	ND	*1.00*	1.00	09/20/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	09/20/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	09/20/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	09/20/22	KCA	1	1
o-Xylene	0.384	*0.230*	0.230	1.67	*1.00*	1.00	09/20/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	09/20/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	09/20/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	09/20/22	KCA	1	
Tetrachloroethene	0.055	*0.037*	0.037	0.37	*0.25*	0.25	09/20/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	09/20/22	KCA	1	1
Toluene	0.621	*0.266*	0.266	2.34	*1.00*	1.00	09/20/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	09/20/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	09/20/22	KCA	1	
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	09/20/22	KCA	1	
Trichlorofluoromethane	0.249	*0.178*	0.178	1.40	*1.00*	1.00	09/20/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	09/20/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	09/20/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	101	%	%	101	%	%	09/20/22	KCA	1	
% IS-1,4-Difluorobenzene	80	%	%	80	%	%	09/20/22	KCA	1	
% IS-Bromochloromethane	81	%	%	81	%	%	09/20/22	KCA	1	
% IS-Chlorobenzene-d5	84	%	%	84	%	%	09/20/22	KCA	1	

Ver 1

Project ID: 58 GERRY STREET/28 BARTLETT STREET Phoenix I.D.: CM35409

Client ID: IA-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

The canister was received under no vacuum, therefore sample results may not be representative.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

September 22, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 22, 2022

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AD	09/15/22	12:37
Location Code:	AMC-ENG	Received by:	CP	09/19/22	16:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	499				

Laboratory Data

SDG ID: GCM35408
Phoenix ID: CM35410

Project ID: 58 GERRY STREET/28 BARTLETT STREET
Client ID: AA-5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	09/20/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	09/20/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	09/20/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	09/20/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	09/20/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	09/20/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	09/20/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	09/20/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	09/20/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	09/20/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	09/20/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	09/20/22	KCA	1	
Acetone	3.21	*0.421*	0.421	7.62	*1.00*	1.00	09/20/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	09/20/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	09/20/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	09/20/22	KCA	1	

Project ID: 58 GERRY STREET/28 BARTLETT STREET Phoenix I.D.: CM35410

Client ID: AA-5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	09/20/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	09/20/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	09/20/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	09/20/22	KCA	1	
Carbon Tetrachloride	0.090	*0.032*	0.032	0.57	*0.20*	0.20	09/20/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	09/20/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	09/20/22	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	09/20/22	KCA	1	
Chloromethane	0.548	*0.485*	0.485	1.13	*1.00*	1.00	09/20/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	09/20/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	09/20/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	09/20/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	09/20/22	KCA	1	
Dichlorodifluoromethane	0.477	*0.202*	0.202	2.36	*1.00*	1.00	09/20/22	KCA	1	
Ethanol	18.0	*0.531*	0.531	33.9	*1.00*	1.00	09/20/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	09/20/22	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	09/20/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	09/20/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	09/20/22	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	09/20/22	KCA	1	
Isopropylalcohol	1.29	*0.407*	0.407	3.17	*1.00*	1.00	09/20/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	09/20/22	KCA	1	
m,p-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	09/20/22	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	0.339	ND	*1.00*	1.00	09/20/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	09/20/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	09/20/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	09/20/22	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	09/20/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	09/20/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	09/20/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	09/20/22	KCA	1	
Tetrachloroethene	0.048	*0.037*	0.037	0.33	*0.25*	0.25	09/20/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	09/20/22	KCA	1	1
Toluene	0.425	*0.266*	0.266	1.60	*1.00*	1.00	09/20/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	09/20/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	09/20/22	KCA	1	
Trichloroethene	0.073	*0.037*	0.037	0.39	*0.20*	0.20	09/20/22	KCA	1	
Trichlorofluoromethane	0.260	*0.178*	0.178	1.46	*1.00*	1.00	09/20/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	09/20/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	09/20/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	100	%	%	100	%	%	09/20/22	KCA	1	
% IS-1,4-Difluorobenzene	83	%	%	83	%	%	09/20/22	KCA	1	
% IS-Bromochloromethane	84	%	%	84	%	%	09/20/22	KCA	1	
% IS-Chlorobenzene-d5	85	%	%	85	%	%	09/20/22	KCA	1	

Ver 1

Project ID: 58 GERRY STREET/28 BARTLETT STREET Phoenix I.D.: CM35410

Client ID: AA-5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

The canister was received under no vacuum, therefore sample results may not be representative.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

September 22, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 22, 2022

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AD	09/15/22	12:48
Location Code:	AMC-ENG	Received by:	CP	09/19/22	16:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28613				

Laboratory Data

SDG ID: GCM35408
Phoenix ID: CM35411

Project ID: 58 GERRY STREET/28 BARTLETT STREET
Client ID: IA-4

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	09/20/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	09/20/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2,4-Trimethylbenzene	0.269	*0.204*	0.204	1.32	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	09/20/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	09/20/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	09/20/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	09/20/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	09/20/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	09/20/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	09/20/22	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	09/20/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	09/20/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	09/20/22	KCA	1	
Acetone	4.41	*0.421*	0.421	10.5	*1.00*	1.00	09/20/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	09/20/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	09/20/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	09/20/22	KCA	1	

Project ID: 58 GERRY STREET/28 BARTLETT STREET Phoenix I.D.: CM35411

Client ID: IA-4

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	09/20/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	09/20/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	09/20/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	09/20/22	KCA	1	
Carbon Tetrachloride	0.067	*0.032*	0.032	0.42	*0.20*	0.20	09/20/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	09/20/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	09/20/22	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	09/20/22	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	09/20/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	09/20/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	09/20/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	09/20/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	09/20/22	KCA	1	
Dichlorodifluoromethane	0.435	*0.202*	0.202	2.15	*1.00*	1.00	09/20/22	KCA	1	
Ethanol	11.5	*0.531*	0.531	21.7	*1.00*	1.00	09/20/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	09/20/22	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	09/20/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	09/20/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	09/20/22	KCA	1	
Hexane	0.343	*0.284*	0.284	1.21	*1.00*	1.00	09/20/22	KCA	1	
Isopropylalcohol	0.817	*0.407*	0.407	2.01	*1.00*	1.00	09/20/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	09/20/22	KCA	1	
m,p-Xylene	0.612	*0.230*	0.230	2.66	*1.00*	1.00	09/20/22	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	0.339	ND	*1.00*	1.00	09/20/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	09/20/22	KCA	1	
Methylene Chloride	5.36	*0.863*	0.863	18.6	*3.00*	3.00	09/20/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	09/20/22	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	09/20/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	09/20/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	09/20/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	09/20/22	KCA	1	
Tetrachloroethene	ND	*0.037*	0.037	ND	*0.25*	0.25	09/20/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	09/20/22	KCA	1	1
Toluene	0.516	*0.266*	0.266	1.94	*1.00*	1.00	09/20/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	09/20/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	09/20/22	KCA	1	
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	09/20/22	KCA	1	
Trichlorofluoromethane	0.195	*0.178*	0.178	1.09	*1.00*	1.00	09/20/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	09/20/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	09/20/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	98	%	%	98	%	%	09/20/22	KCA	1	
% IS-1,4-Difluorobenzene	104	%	%	104	%	%	09/20/22	KCA	1	
% IS-Bromochloromethane	105	%	%	105	%	%	09/20/22	KCA	1	
% IS-Chlorobenzene-d5	103	%	%	103	%	%	09/20/22	KCA	1	

Ver 1

Project ID: 58 GERRY STREET/28 BARTLETT STREET Phoenix I.D.: CM35411

Client ID: IA-4

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

The canister was received under no vacuum, therefore sample results may not be representative.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

September 22, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 22, 2022

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AD	09/15/22	11:27
Location Code:	AMC-ENG	Received by:	CP	09/19/22	16:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	16010				

Laboratory Data

SDG ID: GCM35408
Phoenix ID: CM35412

Project ID: 58 GERRY STREET/28 BARTLETT STREET
Client ID: IA-2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	09/20/22	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	09/20/22	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	09/20/22	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2,4-Trimethylbenzene	0.371	*0.204*	0.204	1.82	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	09/20/22	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	09/20/22	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	09/20/22	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	09/20/22	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	09/20/22	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	09/20/22	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	09/20/22	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	09/20/22	KCA	1	1
4-Ethyltoluene	0.288	*0.204*	0.204	1.41	*1.00*	1.00	09/20/22	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	09/20/22	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	09/20/22	KCA	1	
Acetone	6.89	*0.421*	0.421	16.4	*1.00*	1.00	09/20/22	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	09/20/22	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	09/20/22	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	09/20/22	KCA	1	

Project ID: 58 GERRY STREET/28 BARTLETT STREET Phoenix I.D.: CM35412

Client ID: IA-2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	09/20/22	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	09/20/22	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	09/20/22	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	09/20/22	KCA	1	
Carbon Tetrachloride	0.065	*0.032*	0.032	0.41	*0.20*	0.20	09/20/22	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	09/20/22	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	09/20/22	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	09/20/22	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	09/20/22	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	09/20/22	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	09/20/22	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	09/20/22	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	09/20/22	KCA	1	
Dichlorodifluoromethane	0.430	*0.202*	0.202	2.13	*1.00*	1.00	09/20/22	KCA	1	
Ethanol	19.4	*0.531*	0.531	36.5	*1.00*	1.00	09/20/22	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	09/20/22	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	09/20/22	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	09/20/22	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	09/20/22	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	09/20/22	KCA	1	
Isopropylalcohol	1.37	*0.407*	0.407	3.37	*1.00*	1.00	09/20/22	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	09/20/22	KCA	1	
m,p-Xylene	0.828	*0.230*	0.230	3.59	*1.00*	1.00	09/20/22	KCA	1	
Methyl Ethyl Ketone	0.472	*0.339*	0.339	1.39	*1.00*	1.00	09/20/22	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	09/20/22	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	09/20/22	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	09/20/22	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	09/20/22	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	09/20/22	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	09/20/22	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	09/20/22	KCA	1	
Tetrachloroethene	ND	*0.037*	0.037	ND	*0.25*	0.25	09/20/22	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	09/20/22	KCA	1	1
Toluene	0.822	*0.266*	0.266	3.10	*1.00*	1.00	09/20/22	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	09/20/22	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	09/20/22	KCA	1	
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	09/20/22	KCA	1	
Trichlorofluoromethane	0.194	*0.178*	0.178	1.09	*1.00*	1.00	09/20/22	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	09/20/22	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	09/20/22	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	100	*%*	%	100	*%*	%	09/20/22	KCA	1	
% IS-1,4-Difluorobenzene	98	*%*	%	98	*%*	%	09/20/22	KCA	1	
% IS-Bromochloromethane	99	*%*	%	99	*%*	%	09/20/22	KCA	1	
% IS-Chlorobenzene-d5	98	*%*	%	98	*%*	%	09/20/22	KCA	1	

Ver 1

Project ID: 58 GERRY STREET/28 BARTLETT STREET Phoenix I.D.: CM35412

Client ID: IA-2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

The canister was received under no vacuum, therefore sample results may not be representative.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

September 22, 2022

Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Canister Sampling Information

September 22, 2022

FOR: Attn: Ariel Czemerinski
AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105

Location Code: AMC-ENG

SDG I.D.: GCM35408

Project ID: 58 GERRY STREET/28 BARTLETT STREET

						Laboratory					Field			
Client Id	Lab Id	Canister Id	Canister Type	Reg. Id	Chk Out Date	Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
IA-3	CM35408	12863	6.0L	2980	09/13/22	-30	0	3.6	3.7	2.7	-30	-3	09/15/22 13:01	09/16/22 12:53
IA-1	CM35409	28560	6.0L	0828	09/13/22	-30	0	3.8	4	5.1	-30	-1.5	09/15/22 11:59	09/16/22 11:57
AA-5	CM35410	499	6.0L	0167	09/13/22	-30	0	3.7	3.7	0.0	-29	0	09/15/22 12:41	09/16/22 12:37
IA-4	CM35411	28613	6.0L	2864	09/13/22	-30	0	3.6	3.8	5.4	-30	-1.1	09/15/22 12:57	09/16/22 12:48
IA-2	CM35412	16010	6.0L	2939	09/13/22	-30	0	3.7	3.7	0.0	-30	-3	09/15/22 11:30	09/15/22 11:27

Thursday, September 22, 2022

Criteria: NY: AIRIA, AIRSV

State: NY

Sample Criteria Exceedances Report

GCM35408 - AMC-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CM35408	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.073	0.032	0.032	0.032	ppbv
CM35408	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.46	0.2	0.2	0.2	ug/m3
CM35409	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.077	0.032	0.032	0.032	ppbv
CM35409	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.48	0.2	0.2	0.2	ug/m3
CM35410	$AIR_NYTO15	Trichloroethene	NY / Air Guideline Values / Indoor Air	0.073	0.037	0.037	0.037	ppbv
CM35410	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.090	0.032	0.032	0.032	ppbv
CM35410	$AIR_NYTO15	Trichloroethene	NY / Air Guideline Values / Indoor Air	0.39	0.2	0.2	0.2	ug/m3
CM35410	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.57	0.2	0.2	0.2	ug/m3
CM35411	$AIR_NYTO15	Methylene Chloride	NY / Air Guideline Values / Indoor Air	5.36	0.863	0.864	0.864	ppbv
CM35411	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.067	0.032	0.032	0.032	ppbv
CM35411	$AIR_NYTO15	Methylene Chloride	NY / Air Guideline Values / Indoor Air	18.6	3	3	3	ug/m3
CM35411	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.42	0.2	0.2	0.2	ug/m3
CM35412	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.065	0.032	0.032	0.032	ppbv
CM35412	$AIR_NYTO15	Carbon Tetrachloride	NY / Air Guideline Values / Indoor Air	0.41	0.2	0.2	0.2	ug/m3

CHAIN OF CUSTODY RECORD
AIR ANALYSES

PHOENIX *Environmental Laboratories, Inc.*

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

AMC-ENG

860-645-1102
email: greg@phoenixlabs.com

P.O. #

Data Delivery:
☐ Fax #:
☒ Email: AMC
☐ Phone #:

Report to:	Ariel Czemerinski	Project Name: 58 Gerry Street/25 Bartlett Street	Data Format: (Circle) Equis Excel Other:
Customer:	AMC Engineering PLLC	Invoice to: AMC Engineering PLLC	Requested Deliverable: RCP ASP CAT B
Address:	18-36 42nd Street		MCP NJ Deliverables
13900	Astoria, NY 11105	Sampled by: Angela DeVito	Quote Number:

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air (MATRIX)	Soil Gas (MATRIX)	Grab (G) Composite (C) (MATRIX)	TO-15 SIM (ANALYSES)	APH (ANALYSES)	
		THIS SECTION FOR LAB USE ONLY																
35408	IA-3	12863	6.0L	-30	O	2980	3.6	1:01PM	12:53PM	09/15/22	30.0	3.0	X			X		
35409	IA-1	28560	6.0L	-30	O	0828	3.8	11:39AM	11:57AM	09/15/22	30.0	1.5	X			X		
35410	AA-5	499	6.0L	-30	O	0167	3.7	12:41PM	12:37PM	09/15/22	29.0	0.0	X			X		
35411	IA-4	28613	6.0L	-30	O	2864	3.6	12:57PM	12:48PM	09/15/22	30.0	1.1	X			X		
35412	IA-2	16010	6.0L	-30	O	2939	3.7	11:30AM	11:37AM	09/15/22	30.0	3.0	X			X		

Relinquished by:	Accepted by:	Date:	Time:	
Angela DeVito		9-19-22	13:37	I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:
	Krystal Hoult	9/19/22	1634	Signature: Date:

State Where Samples Collected: NY

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

(5) - 6.0L 24 hr

Turnaround Time:
- 1 Day ☐
- 2 Day ☐
- 3 Day ☐
- 4 Day ☐
- 5 Day ☒

Requested Criteria: (Please Circle)

CT:	MA:	NJ:	NY:	PA:	VT:
TAC I/C	Indoor Air: Residential Ind/Commercial	Indoor Air: Residential Ind/Commercial	Vapor Intrusion	Indoor Air Residential Non-residential	Indoor Air Residential Industrial
TAC RES	Soil Gas: Residential Ind/Commercial	Soil Gas: Residential Ind/Commercial			Sub-slab Residential Industrial
SVVC I/C					
SVVC RES					
GWV I/C					
GWV CES					

AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105
Phone: (718) 545-0474

November 11, 2022

Charles McGuckin, P.E.
Roux Associates 209
Shafter Street,
Islandia, New York 11749

Re: Periodic Inspection Compliance
58 Gerry Street
OER Project #17TMP0546K
VCP# V00350

Dear Mr. McGuckin,

AMC Engineering conducted a periodic inspection on November 11, 2022, for the above referenced Site. The inspection was performed according to the NYSDEC approved Site Management Plan submitted in June 2018. The current Tax Map indicates the Site is located in Block number 2269 which consists of four lots. Lot 7501 contains a new building at 25 Bartlett Street; Lot 7502 contains a new building at 58 Gerry Street; Lot 3 contains the concrete courtyard; and Lot 51 contains an existing 3-story building located at 33 Bartlett Street. Lot 7501 and 7502 have been developed as residential buildings with commercial space on the ground floor and share foundation elements and slab-on-grade. The inspection summary is as follows and the details are provided in **Attachment 1**.

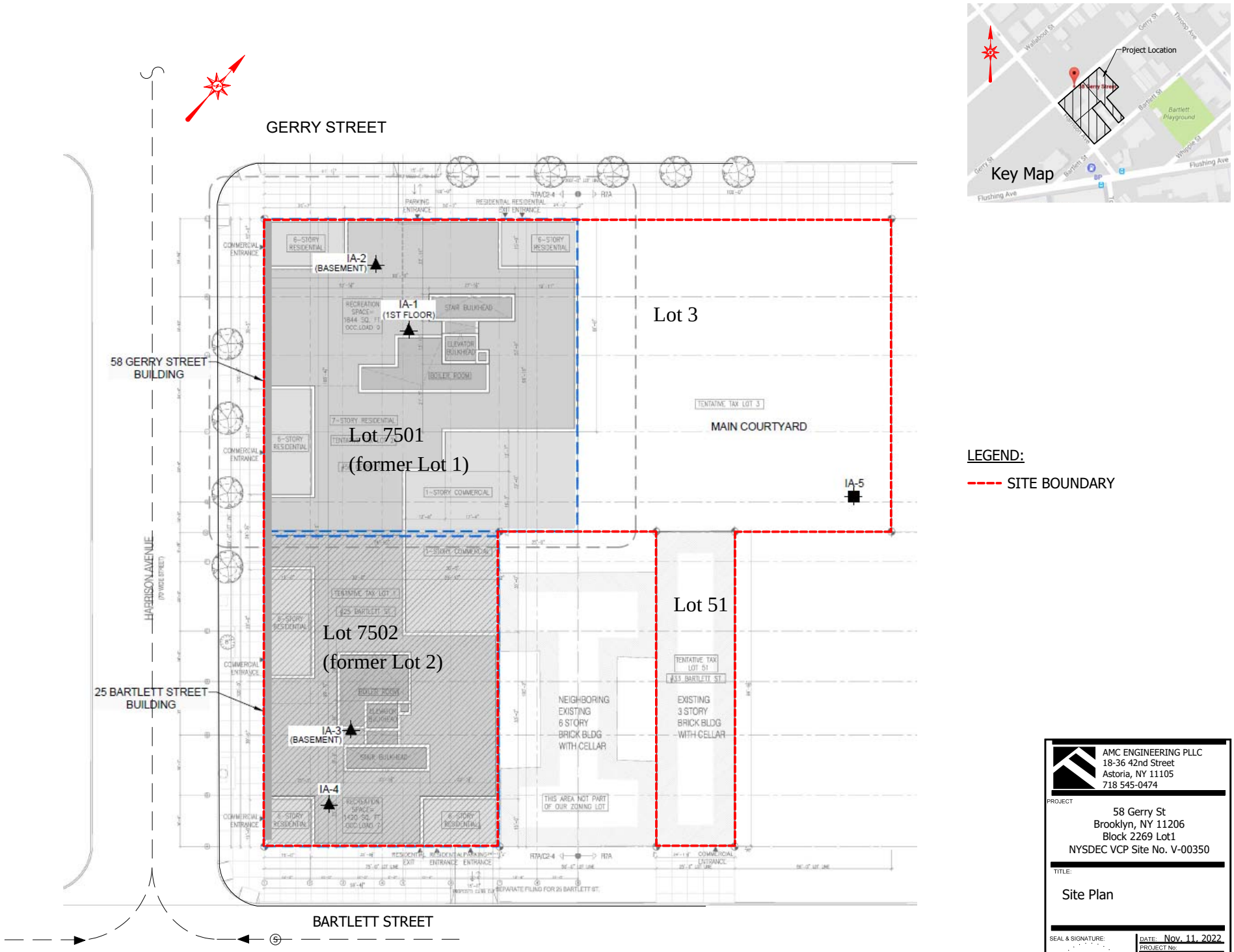
- Tax Lots 7501 & 7502 (Two new residential buildings): The concrete slab-on-grade of the new building basement is observed to be in good condition with no cracks or other evidence of damage notes.
- Tax Lot 51 (Existing building): The concrete slab-on-grade of the building 25 basement is observed to be in good condition with no cracks or other evidence of damage notes.
- Tax Lot 3 (Main Courtyard): This portion of the Site is being used as a parking lot. The cover system is in good condition with no visible cracks nor exposed soils noted.

Sincerely,

Ariel Czemerinski
AMC Engineering

FIGURE 1

SITE PLAN



LEGEND:

SITE BOUNDARY

AMC ENGINEERING PLLC
18-36 42nd Street
Astoria, NY 11105
718 545-0474

PROJECT

58 Gerry St
Brooklyn, NY 11206
Block 2269 Lot1
NYSDEC VCP Site No. V-00350

TITLE:

Site Plan

SEAL & SIGNATURE:

DATE: Nov. 11, 2022
PROJECT No:
DRAWING BY: AC
CHK BY:
DWG No:

IA-1

1 of 1

ATTACHMENT 1

SITE-WIDE INSPECTION AND MAINTENANCE FORM

AMC ENGINEERING LLC
SITE-WIDE MONITORING, INSPECTION AND MAINTENANCE FORM

Client:58 Gerry Street, Brooklyn, NY

Location: 58 Gerry Street, Brooklyn, NY

Inspector: Anjeza Harrington

Date: 11/11/2022

Site Observations: Performed by (Anjeza Harrington) on (11/11/2022)

Yes No

[ ] [**x**] Have any Site improvements been made since last inspection?

[ ] [**x**] Has there been any maintenance activity impacting engineering controls?

-Include sketched or photos of observations

Inspection of Concrete Cap (Main Courtyard): Performed by (Anjeza Harrington) on (11/11/2022)

Yes No

[ ] [**x**] Significant cracks observed?

[ ] [**x**] Signs of settlement/ subsidence observed?

[ ] [**x**] Other damage observed? If yes, refer to Page 2 for additional clarification.

-Include sketched or photos of observations

Inspection of Building Covers: Performed by (Anjeza Harrington) on (11/11/2022)

Yes No

[**x**] [ ] Were all buildings inspected?

[ ] [**x**] Significant cracks observed?

[ ] [**x**] Other damage observed? If yes, refer to Page 2 for additional clarification.

[ ] [**x**] Any new slab penetrations observed? If yes, include description on page 2.

-Include sketched or photos of observations

SITE-WIDE MONITORING, INSPECTION, AND MAINTENANCE FORM

Client: 58 Gerry Street, LLC
Location: 58 Gerry Street, Brooklyn, New York
Inspector: Anjeza Harrington
Date: 11/11/2022

Site Observations:

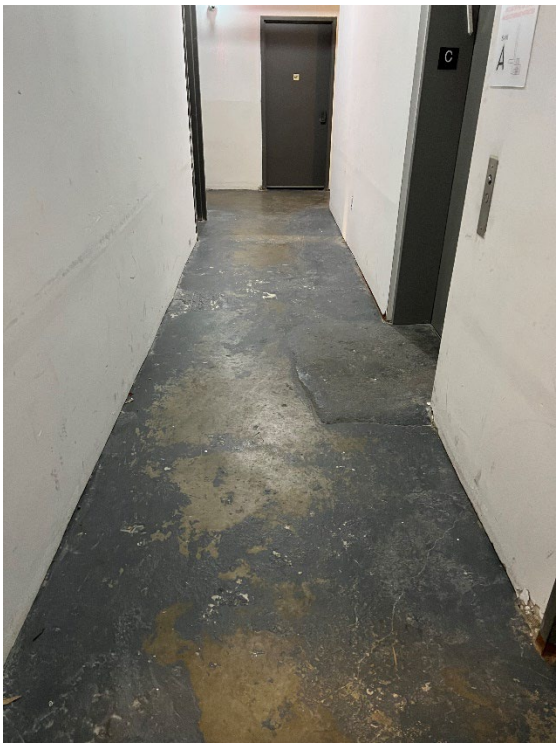
The buildings at 58 Gerry Street, 25 Bartlett Street, and 33 Bartlett Street (Tax Lots 1, 2, and 51) were inspected. Concrete Slab-on-grade of the 58 Gerry Street and 25 Bartlett Street (in basement) was inspected and observed to be in good condition; no cracks or evidence of damage were found. The basement of the 33 Bartlett Street building appeared to be in good condition; no cracks or evidence of damage were found. The building appeared occupied, and all Site improvements have been completed since last inspection. The cover system in the courtyard/parking lot (located at Tax Lot 3) is in good condition with on significant cracks or exposed soil, despite the presence of construction material throughout.

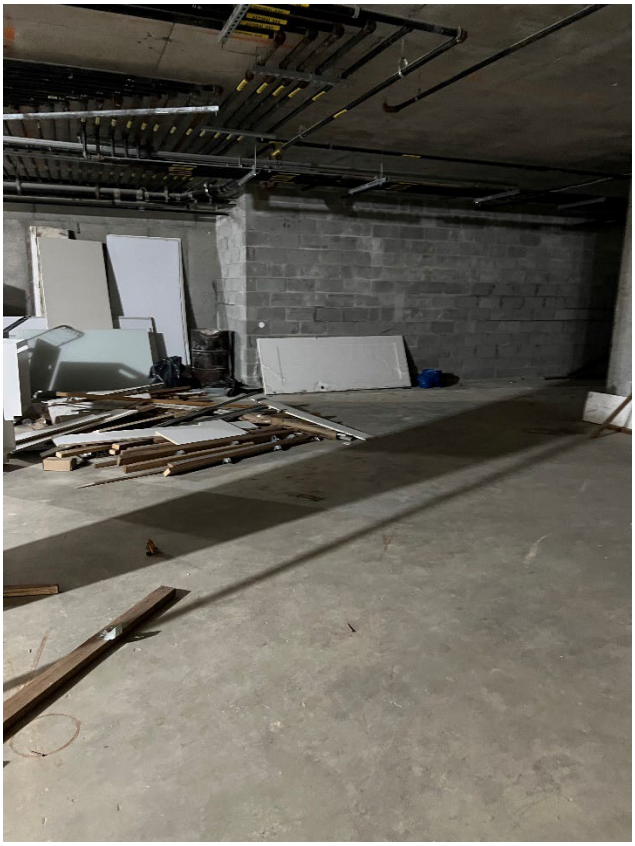
Additional Comments

N/A

ATTACHMENT 2

PHOTO OF OBSERVATIONS





58 Gerry Street & 25 Bartlett (shared basement)

33 Bartlett Street

Courtyard/Parking Lot

APPENDIX B

OU-2 Monitoring Form and Inspection Reports

AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105
O: 718.545.0474

August 22, 2022

Mandy Yau
Project Manager
New York State Department of Environmental Conservation
47-40 21st Street
Long Island City, NY 11101

Ref: Inspection Report for EC (SSDS and Cover)
Former Pfizer Site B – OU-2
177 Harrison St, Brooklyn, NY
Block 2266, Lots 1, 10, 52

Dear Ms. Yau:

On August 11, 2022, we inspected the Engineering Controls for OU-2 (cover system and SSDS) at the above-referred sites.

The inspection was conducted in the presence of Mr. Michael Khon, the School Custodian.

I confirm that the inspected Engineering Controls are in place and properly functioning, with no exceptions.

Enclosed, for your reference you will find:

1. Completed Checklists for Composite Cover system and SMD system.
2. Photodocumentation of inspection
3. Copy of email sent to this inspector to indicate that the alarm was tripped during inspection to check system functionality.
4. Figure depicting cover system for Lot 1, and 10
5. Figure depicting cover system for Lot 52

Please, let me know if you require any additional information.

Sincerely,

Ariel Czemerinski, PE
AMC Engineering PLLC
cc. Sol Moskovits
symrealty@aol.com

SITE INSPECTION CHECKLIST

Site Inspection Checklist - Cover System
Gerry Street
Brooklyn, NY
Lot 52

Date: 8/11/22 Time: 9:00 AM

Inspector Name/Organization: Angela DeVito / AMC Engineering

Visual Inspection of Asphalt Capped Site

Inspect for cracks, perforations and patching

Describe General Condition of Pavement: Site fully paved out

Describe any Cracks or New Penetrations: None observed

Describe any Patching: None observed except the patch from last year

Repairs Needed and / or Maintenance at this time?

None

Signature: Angela DeVito Date: 8/11/22

SMD SYSTEM INSPECTION CHECKLIST

Site Name: 177 Harrison Location: _____ Project Number: by AMC

Inspector Name: ____ Date: 8/11/22 Weather Conditions: _____

Reason for Inspection (i.e., routine, maintenance, severe condition, etc.):

SMD and/or Building Number:

Check one of the following: **Y:** Yes **N:** No **NA**: Not Applicable

		Y	N	NA	Normal Situation	Remarks
	Records					
1	Is the Operations & Maintenance Plan readily available on-site?					
2	Based on site records, when was the last inspection, maintenance, or repair event?					Aug 2021
3	Based on site records, was the system inoperational for any amount of time since the last inspection, maintenance, or repair event? For how long? Provide details.					
	Alarm System					
4	Do the alarm lights indicate that the system is operational?	X				
	General System					
5	Is there any construction activity, or indication of any construction activity within the past certification year (including any tenant improvements), that included the breaching of the floor slab, on-site at the time of this inspection?		X			
6	If YES to number 5, is there documentation that the Soil Management Plan, HASP, and CAMP for the site was/is being followed?					
7	If YES to number 5, is there documentation that all breaches in the floor slab have been sealed?					
8	Does all visible SMD piping appear intact and undamaged?	X				
9	Have any intake points been constructed at the roof near (less than 10 feet) the SMD blower discharge point?		X			

SMD SYSTEM INSPECTION CHECKLIST

Site Name: 177 Harrison Location: _____ Project Number: by AMC

Inspector Name: _____ Date: 8/11/22 Weather Conditions: _____

Reason for Inspection (i.e., routine, maintenance, severe condition, etc.):

SMD and/or Building Number:

Check one of the following: **Y:** Yes **N:** No **NA**: Not Applicable

		Y	N	NA	Normal Situation	Remarks
	SMD Blower Unit					
10	Is the SMD blower operational at the time of the inspection?	X				
11	What is the VelociCalc Meter reading?					-14 in H_2O
12	Is the SMD blower expelling air at the discharge point?	X				
	Routine Blower Maintenance					
13	Remove dust and debris from surface of blower.			X		
14	Replace dirty or clogged filter cartridge.			X		

** If the answer to any of the above questions indicate the SMD system is non-operational or malfunctioning, or that this EC is in non-compliance,additional remarks must be provided and, where applicable, documentation attached to this checklist detailing
* additional inspection and repair activities.

Additional remarks: _____

Minimum Inspection Schedule: SMD inspections will be conducted quarterly for the first certification year at a minimum. Additional inspections will also be conducted at times of maintenance, repair, or severe condition events. Inspections will be conducted annually, at a minimum, following the first certification year. Inspection frequency is subject to change with the approval of NYSDEC. All inspection events will utilize this checklist.

COMPOSITE COVER SYSTEM INSPECTION CHECKLIST

Site Name: 177 Harrison Location: _____ Project Number:

Inspector Name: ____ Date: ____ Weather Conditions: Partly Cloudy, 78°F

Reason for Inspection PRR

Check one of the following: **Y:** Yes **N:** No **NA:** Not Applicable

		Y	N	NA	Normal Situation	Remarks
	General					
1	What are the current site conditions?				✓	
	Site Cover System					
2	Are there any indications of a breach in the site cover system at the time of this inspection?		✓			Lobby
3	Is there any construction activity, or indication of any construction activity within the past certification year (including any tenant improvements), that included the breaching of the site cover system, on-site at the time of this inspection?		✓			
4	If YES to number 3, is there documentation that the Soil Management Plan, HASP, and CAMP for the site was/is being followed? Any breach of the cover system into residual contaminated material (or the SMDS) should be overseen by the remedial engineer, and documented and reported in the periodic review report.			✓		

If the answer to any of the above questions indicate non-compliance with ECs for the site, additional remarks must be provided and, where applicable, documentation attached to this checklist detailing additional inspection and repair activities.

Additional remarks: _____

Minimum Inspection Schedule: Site-wide inspections will be conducted annually, per certification year, at a minimum. Additional inspections will also be conducted at times of severe condition events. All inspection events will utilize this checklist.

SITE WIDE INSPECTION CHECKLIST

Site Name: 177 Harrison Location: _____ Project Number: _____

Inspector Name: Angela DeVito Date: 8/11/22 Weather Conditions: _____

Reason for Inspection (i.e., routine, severe condition, etc.): _____ Annual Inspection X

Check one of the following: **Y:** Yes **N:** No **NA**: Not Applicable

		Y	N	NA	Normal Situation	Remarks
	General					
1	What are the current site conditions?	--	--	--	--	
2	Are all applicable site records (e.g., documentation of construction activity, most current deed restriction, etc.) complete and up to date?					
	Deed Restriction					
3	Has site use (restricted residential) remained the same?					
4	Does it appear that all deed restriction stipulations have been followed?					
	Impermeable Site Cover					
5	Are there any indications of a breach in the cover system at the time of this inspection?		X			
6	Are there any cracks in the building slabs?		X			
7	Are there any cracks in the building walls?		X			
8	Is there any construction activity, or indication of any construction activity within the past certification year (including any tenant improvements), that included the breaching of the cover system, on-site at the time of this inspection?		X			
9	If YES to number 8, is there documentation that the Soil Management Plan, HASP, and CAMP for the site was/is being followed?					

*** **If the answer to any of the above questions indicate non-compliance with any IC/ECs for the site, additional remarks must be provided and, where applicable, documentation attached to this checklist detailing additional inspection and repair activities.**

Additional remarks _____

Minimum Inspection Schedule: Site-wide inspections will be conducted annually, per certification year, at a minimum. Additional inspections will also be conducted at times of severe condition events. All inspection events will utilize this checklist.

Photo Log

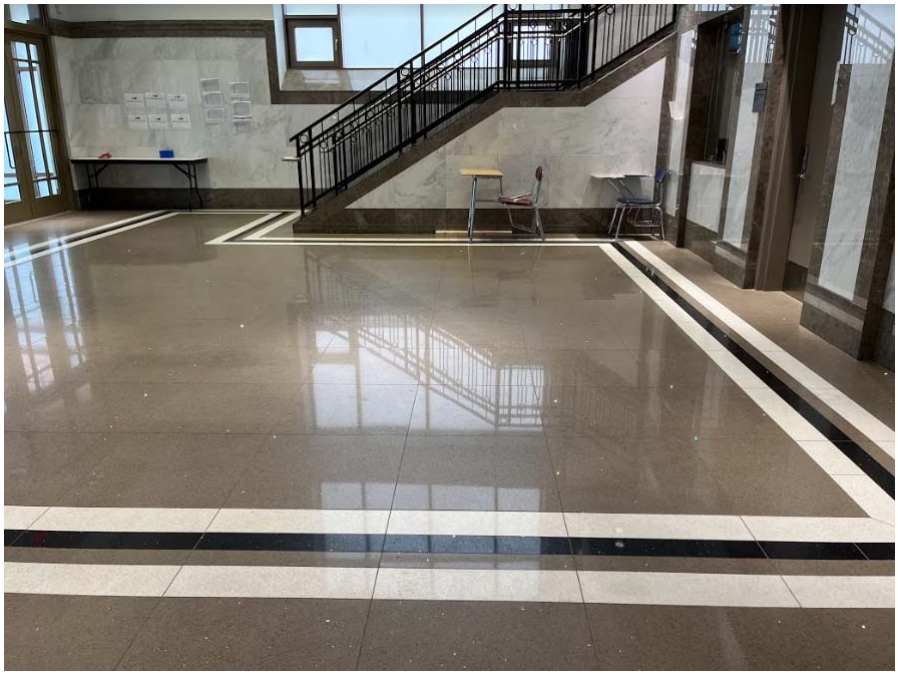
Photo 1 – Lot 1 School Entrance	
Photo 2 – Lot 1 School Lobby	
	FIELD PHOTOGRAPHS 177 Harrison Street, Brooklyn NY Date: 08/11/22 By AMC Engineering PLLC

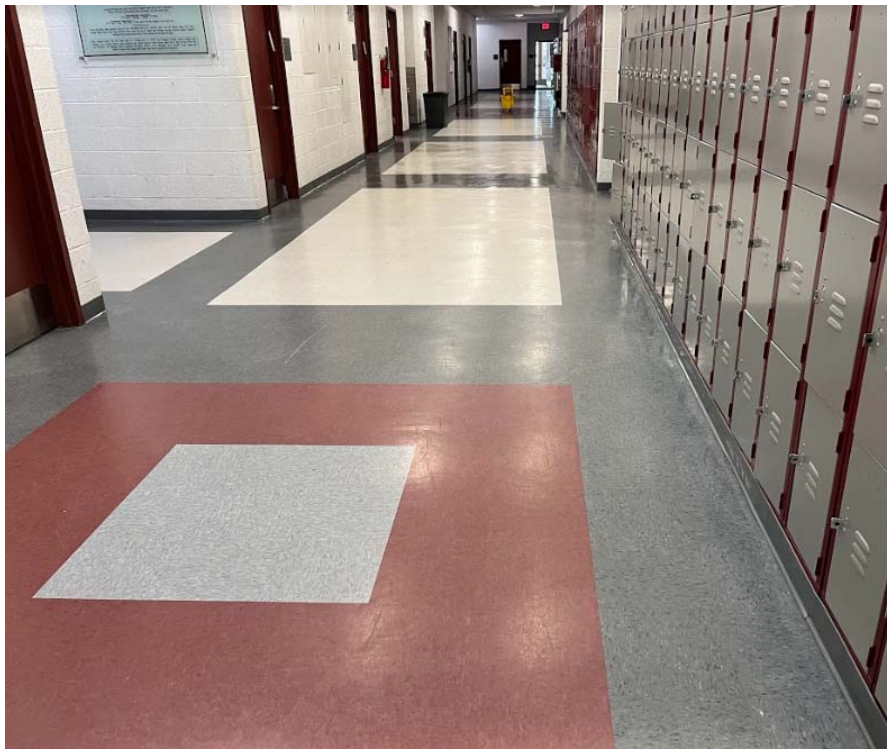
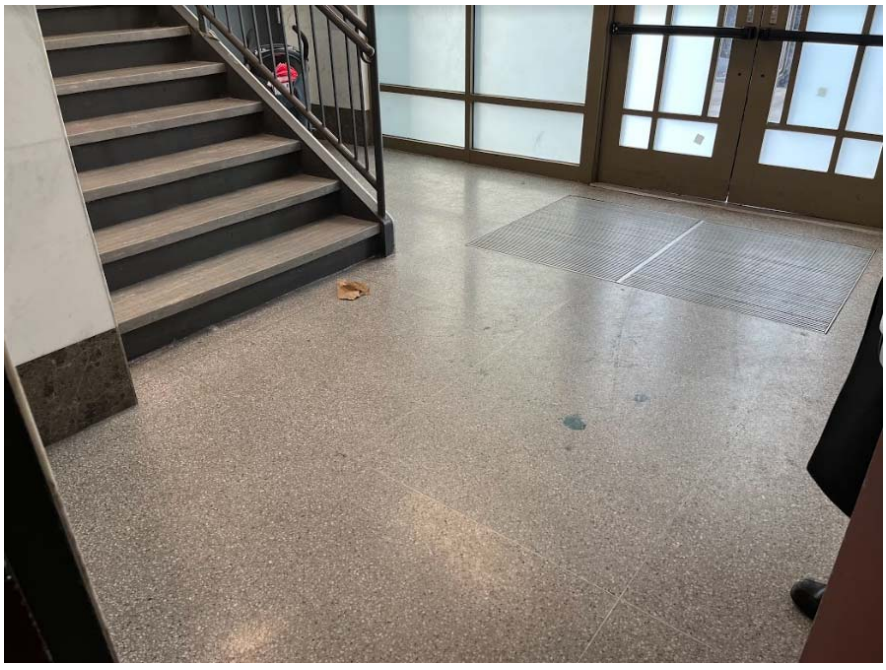
Photo 3 – Lot 1 Hallway	
Photo 4 – Lot 1	
	FIELD PHOTOGRAPHS 177 Harrison Street, Brooklyn NY Date: 08/11/22 By AMC Engineering PLLC

Photo 5 – Lot 1 SSD Blower	
Photo 6 – Lot 1 Vacuum gauge	
	FIELD PHOTOGRAPHS 177 Harrison Street, Brooklyn NY Date: 08/11/22 By AMC Engineering PLLC

Photo 7 – Lot 1 Alarm Room	
Photo 8 – Lot 52	
	FIELD PHOTOGRAPHS 177 Harrison Street, Brooklyn NY Date: 08/11/22 By AMC Engineering PLLC

Photo 9 – Lot 52	
Photo 10 – Lot 1	
	FIELD PHOTOGRAPHS 177 Harrison Street, Brooklyn NY Date: 08/11/22 By AMC Engineering PLLC

Photo 11 – Lot 10	
Photo 12 – Lot 10	
	FIELD PHOTOGRAPHS 177 Harrison Street, Brooklyn NY Date: 08/11/22 By AMC Engineering PLLC

FW: Alarm Tripped - Roof Fan (Email Action)

Manager 177 <mgr177@utaw.org>

Tue 8/11/2022 9:36 AM

To: Angela DeVico <angelad@amc-engineering.com>

-------- Original message --------

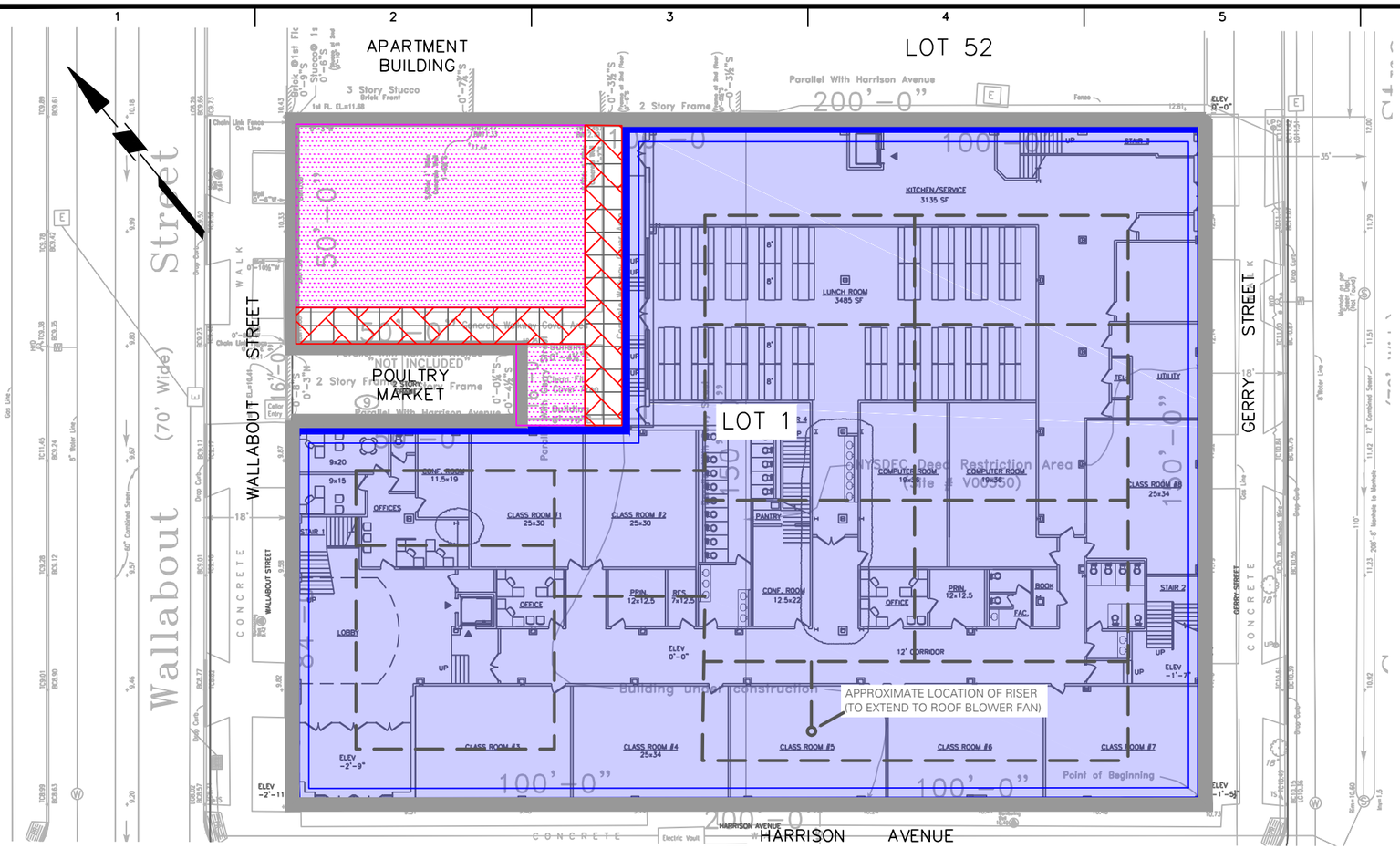
From: 177AccessControl@utaw.org

Date: 8/11/22 9:32 AM (GMT-05:00)

To: Manager 177 <mgr177@utaw.org>, Kwaters@ebcincny.com, Ariel@AMC-Engineering.com

Subject: Alarm Tripped - Roof Fan (Email Action)

Transaction: Alarm Tripped
Date: 8/11/2022 9:32:21 AM (Eastern Standard Time)
Device: Roof Fan
Access Control Unit: 1st Floor Panel 1
Site: 177 Harrison Avenue

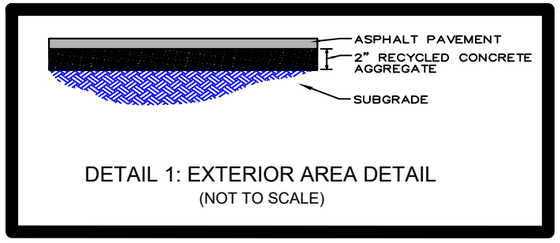


LEGEND

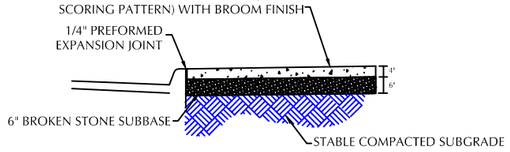
- LOT 1 BOUNDARY
- SUB-MEMBRANE DEPRESSURIZATION SYSTEM SUB-GRADE PIPING
- BUILDING FOOTPRINT
- ASPHALT PAVEMENT (TYP. DETAIL 1)
- CONCRETE WALKWAY COVER (TYP. DETAIL 2)
- CONCRETE BUILDING SLAB COVER, SOIL VAPOR BARRIER AND 3/4-INCH STONE FOR SUB-MEMBRANE DEPRESSURIZATION SYSTEM (TYP. DETAIL 3)

BASE MAP NOTES

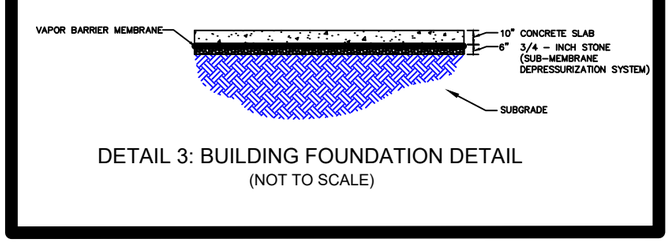
1. BASE PLAN WAS OBTAINED FROM SURVEY BY ELRANDSEN-CROWELL & SHAW, DATED MAY 1, 2014.



DETAIL 1: EXTERIOR AREA DETAIL
(NOT TO SCALE)



DETAIL 2: CONCRETE WALKWAY DETAIL
(NOT TO SCALE)



DETAIL 3: BUILDING FOUNDATION DETAIL
(NOT TO SCALE)

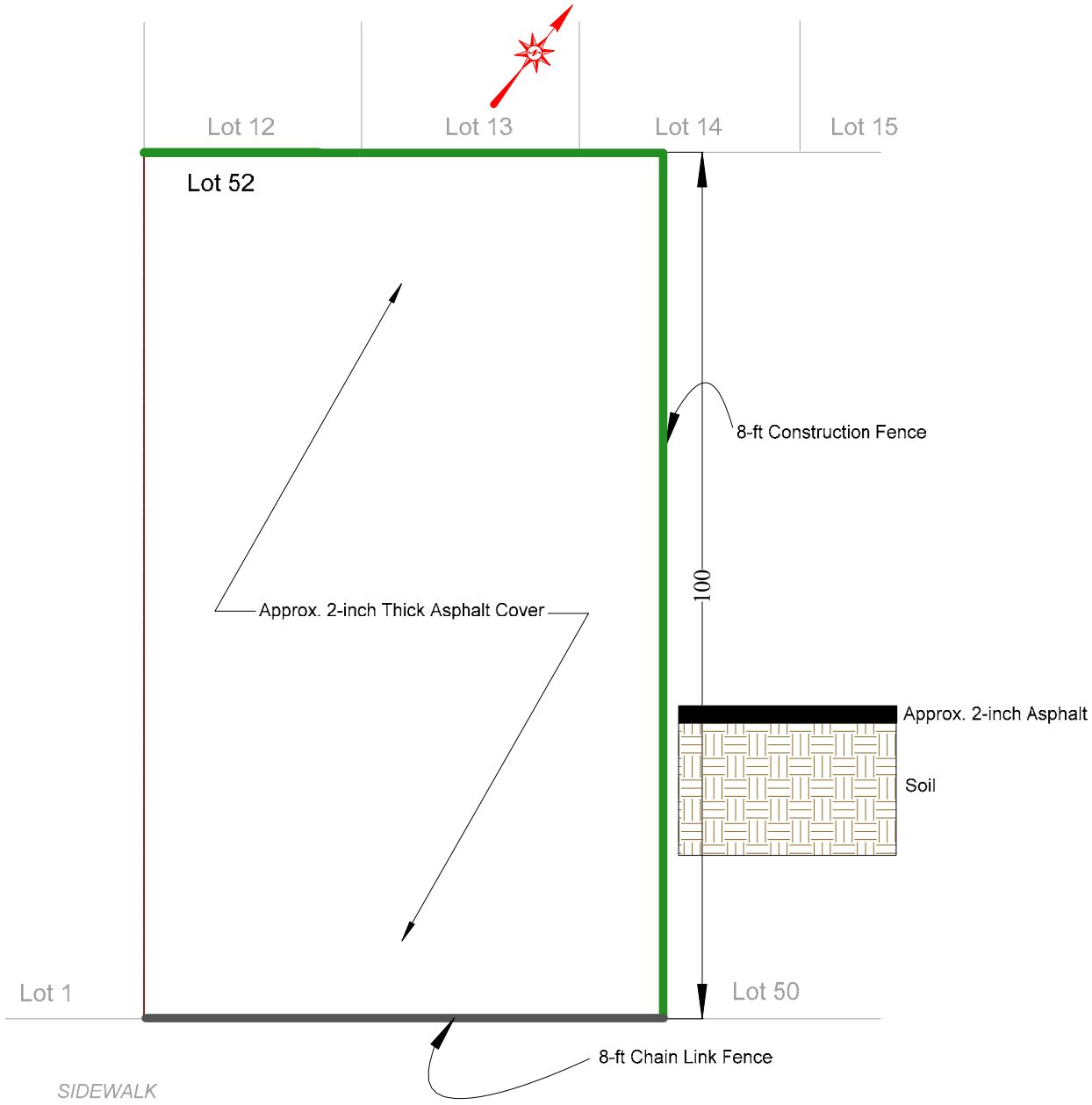
LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

Project
177 HARRISON AVENUE
BLOCK No. 2266, LOT No. 1
BROOKLYN NEW YORK

Figure Title
SITE-WIDE COVER SYSTEM PLAN

Project No. 170091701	Figure No. 7
Date 01/23/2015	
Scale 1"=30'	
Drawn By JPA / Checked By SK	
Submission Date –	Sheet 6 of 8

Filename: \\langan.com\data\NY\data7\170091701\Cadd Data - 170091701\Dwg\Environmental\NYCOER CCR\Figures\Figure 12- Site-Wide Cover System and Cross Sections_SMP.dwg Date: 1/23/2015 Time: 16:21 User: pdiggins Style Table: Langan.stb Layout: ANSIB-BL



Rev. 12-2-2020

AMC Engineering 1836 42nd Street Astoria, NY 11105	*Figure No.* **8**	Site Name: Former Pfizer Property Site B - Operable Unit 2 Site Address: Block 2266 Lot 52 177 Harrison Avenue, Brooklyn, NY Drawing Title: Site Cover System

APPENDIX C

OU-3 Monitoring Form and Inspection Reports

AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105
O: 718.545.0474

September 28, 2022

Mandy Yau
Project Manager
New York State Department of Environmental Conservation
47-40 21st Street
Long Island City, NY 11101

Ref: Inspection Report for EC (SSDS and Cover)
Former Pfizer Site B – OU-3
79-87 Gerry St, Brooklyn, NY
Block 2266, Lots 45, 46, 47, 48, 49, 50

Dear Ms. Yau:

On August 11 and September 15, 2022, we inspected the Engineering Controls for OU-3 (cover system and SSDS) at the above-referred sites.

The inspections were conducted in the presence of each of the properties owners as follows:

Lot 45: No escort – site under construction
Lot 46: Mr. Ekstein
Lot 47: Mrs.Strulowitz and Mr. Pearlstein
Lot 48: Yoel Kaufman
Lot 49 & 50: Yoeli Jacobowitz

I confirm that the inspected Engineering Controls are in place and properly functioning, except as indicated in the Checklists attached and explained below:

Lot 45, which is vacant, is being redeveloped under SMP conditions. The site is now capped by the new building. The site is fully fenced. The rear of the property is partially capped, and exposed soil should be covered with a tarp when the construction site is not open. The developer was advised.

Lot 46 through 48: No exceptions

Lot 49-50: The site is under construction. Most of the site has a cover. Areas of the site with no cover should be covered when not working. This certification is limited to the areas of the site with a cover.

Enclosed, for your reference you will find:

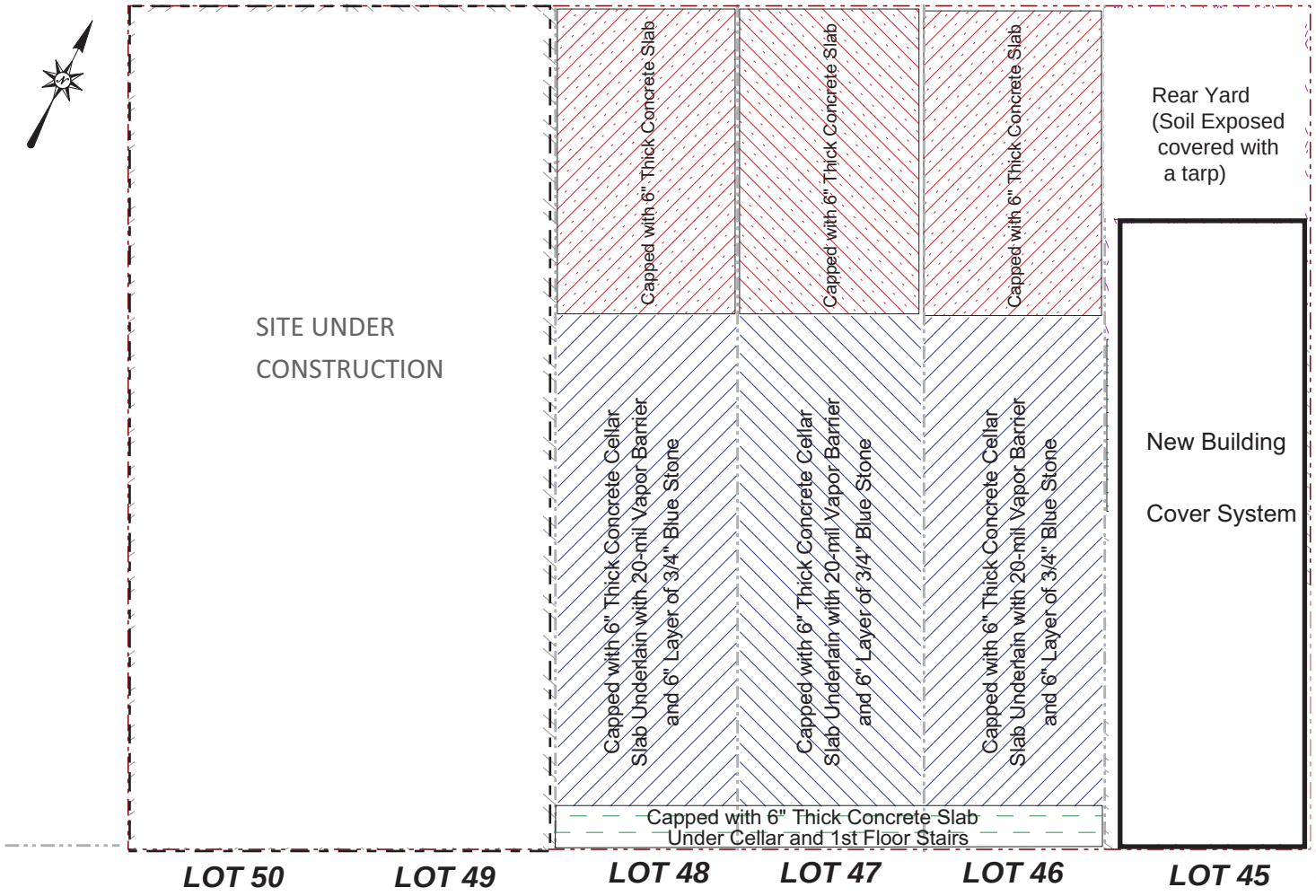
1. Figure depicting cover system for Lot 45 through 50
2. Lot 45:
    a. Completed Checklists for Composite Cover system.
    b. Photodocumentation of inspections
3. Lot 46
    a. Completed Checklists for Composite Cover system and SSD systems.
    b. Photodocumentation of inspections
4. Lot 47
    a. Completed Checklists for Composite Cover system and SSD systems.
    b. Photodocumentation of inspections
5. Lot 48
    a. Completed Checklists for Composite Cover system and SSD systems.
    b. Photodocumentation of inspections
6. Lot 49-50
    a. Completed Checklists for Composite Cover system and SSD systems.
    b. Photodocumentation of inspections

Please, let me know if you require any additional information.

Sincerely,

Ariel Czemerinski, PE
AMC Engineering PLLC

Attachments



KEY:

Property Line

SCALE:

0 10 20

1inch = 20 feet

AMC Engineering
18-36 42 Street
Astoria, NY 11105

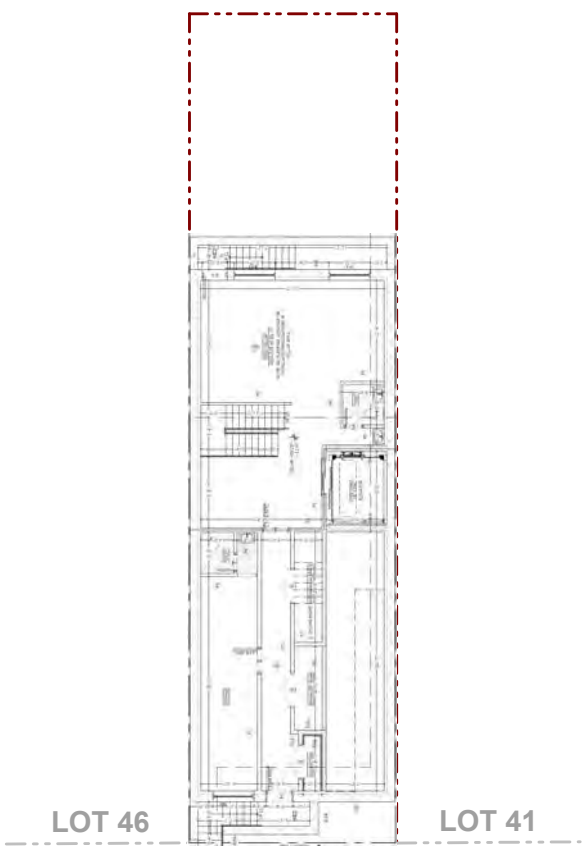
Figure No. **6**

Site Name: OU3 - Pfizer Site B

Site Address: 73-87 Gerry Street, Brooklyn, NY

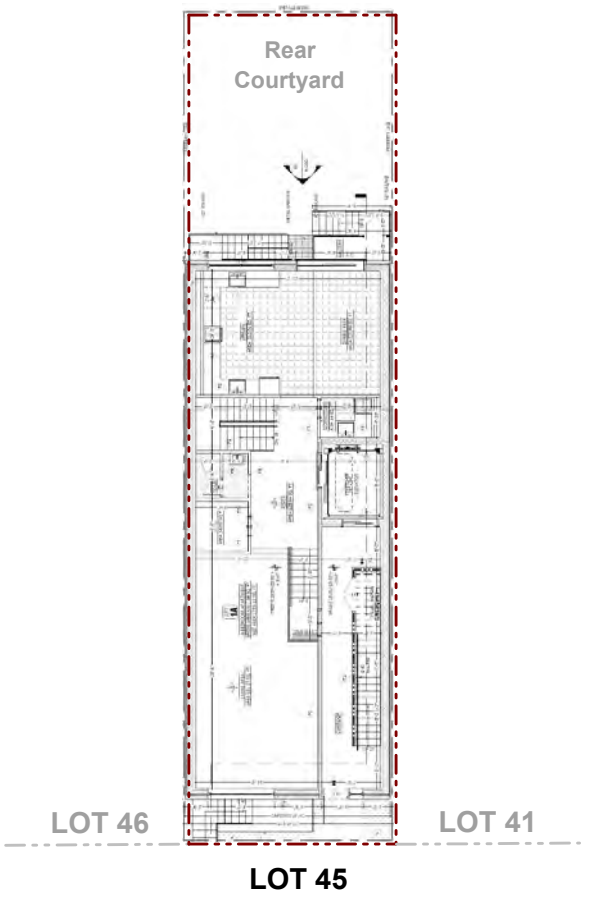
Drawing Title: Composite Cover Diagram

CELLAR LAYOUT



GERRY STREET

FIRST FLOOR LAYOUT



GERRY STREET

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631. 924 .2870

Figure No. 3

Site Name: FORMER PFIZER PROPERTY - SITE B - OPERABLE UNIT 3
Site Address: 87 GERRY STREET, BROOKLYN, NY
Drawing Title: REDEVELOPMENT PLAN

SITE INSPECTION CHECKLIST

Site Inspection Checklist - Cover System
87 Gerry Street
Brooklyn, NY
Lot 45

Date: 08/11/2022 Time: 10:00AM

Inspector Name/Organization: Angela DeVito / AMC Engineering

Visual Inspection of Asphalt Capped Site

Inspect concrete/pavement for cracks, perforations and patching

Describe General Condition of Pavement: Some pavement - Site under construction

Describe any Cracks or New Penetrations:

Describe any Patching:

Repairs Needed and / or Maintenance at this time?

Most of the site is covered with concrete slab for new building. Rear yard has some concrete slab, where no cracks were observed.

Signature: Angela DeVito Date: 8/11/2022

Photo Log

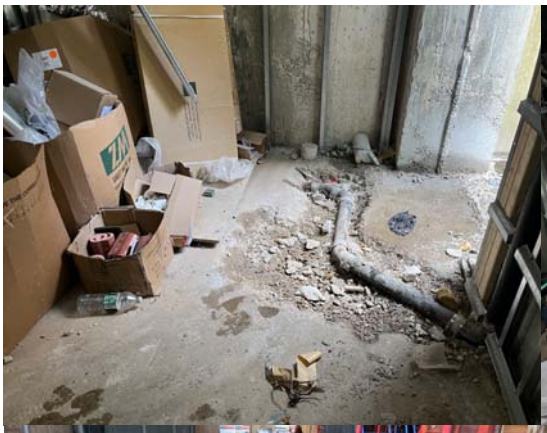
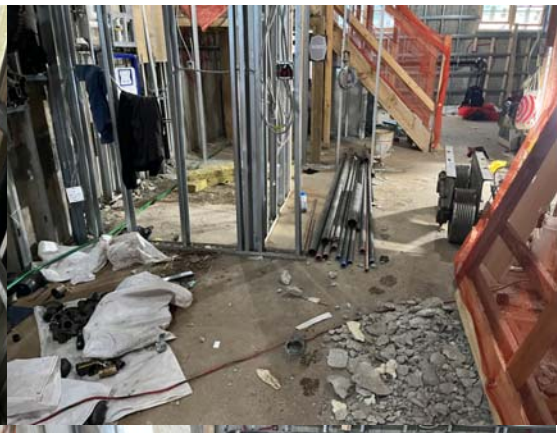
Photos 1-4 – Lot 45	   
	FIELD PHOTOGRAPHS Gerry Street, Brooklyn NY Date: 09/23/22 By AMC Engineering PLLC

Photo 5 – Lot 45 Backyard	
Photo 6 – Lot 45 Backyard	
	FIELD PHOTOGRAPHS Gerry Street, Brooklyn NY Date: 09/23/22 By AMC Engineering PLLC

SITE INSPECTION CHECKLIST

SSDS - System Inspection Checklist
81 Gerry Street
Brooklyn, NY - Lot 46

Date: 09/15/2022 Time: 10:45AM

Inspector Name/Organization: Angela DeVito / AMC Engineering

Physical Inspection of Fan- Check seal w/vent line, unusual noises and general condition of unit.

81 Gerry Street:	**yes**	**no**
Operational?	✓	
Observed Leaks at Seals?		✓
Air Flow at Exhaust Stack?	✓	
Vacuum Reading:	0.96 "H2O	
Alarm Test:		
Alarm sound when fan off?	✓	
Indicator lights when fan off?	✓	

Fan Model No. Manufacturer:

Other Comments / Observations

None

Repairs Needed and / or Maintenance at this time?

No repairs needed at this time

Barish EK steam present during inspection.

Josyh Jacobs (upstairs)

Signature: Angela DeVito Date: 09/15/22

SITE INSPECTION CHECKLIST

Site Inspection Checklist - Cover System
85 Gerry Street
Brooklyn, NY
Lot 46

Date: 09/15/2022 Time: 10:40AM

Inspector Name/Organization: Angela DeVizio / AMC Engineering

Visual Inspection of Building's Cellar Concrete Sla

Building Interior Inspect concrete slab for cracks, perforations and patching

Describe General Condition of Slab: Ok - Good

Describe any Cracks or New Penetrations: None observed

Describe any Patching: None observed

Visual Inspection of Rear Courtyard

Building Exterior Inspect concrete/pavement for cracks, perforations and patching

Describe General Condition of Pavement/Concrete: Good

Describe any Cracks or New Penetrations: None observed

Describe any Patching: None observed

Repairs Needed and / or Maintenance at this time?

No repairs needed at this time

Signature: Angela DeVizio Date: 09/15/22

Photos

7-11 –

Lot 46

FIELD PHOTOGRAPHS
Gerry Street, Brooklyn NY
Date: 09/23/22
By AMC Engineering PLLC

SITE INSPECTION CHECKLIST

SSDS - System Inspection Checklist
83 Gerry Street
Brooklyn, NY - Lot 47

Date: 09/15/2022 Time: 10:10AM

Inspector Name/Organization: Angela DeVito / AMC Engineering

Physical Inspection of Fan- Check seal w/vent line, unusual noises and general condition of unit.

83 Gerry Street:	**yes**	**no**
Operational?	✓	
Observed Leaks at Seals?		✓
Air Flow at Exhaust Stack?	✓	
Vacuum Reading:	0.9 "H2O	
Alarm Test:		
Alarm sound when fan off?	✓	
Indicator lights when fan off?	✓	

Fan Model No. Manufacturer:

Other Comments / Observations

None

Repairs Needed and / or Maintenance at this time?

None needed at this time

Signature: Angela DeVito Date: 09/15/22

SITE INSPECTION CHECKLIST

Site Inspection Checklist - Cover System
83 Gerry Street
Brooklyn, NY
Lot 47

Date: 09/15/2022 Time: 10:00AM

Inspector Name/Organization: Angela DeVito / AMC Engineering

Visual Inspection of Building's Cellar Concrete Sla

Building Interior Inspect concrete slab for cracks, perforations and patching

Describe General Condition of Slab: OK

Describe any Cracks or New Penetrations: None observed

Describe any Patching: None observed

Visual Inspection of Rear Courtyard

Building Exterior Inspect concrete/pavement for cracks, perforations and patching

Describe General Condition of Pavement/Concrete: Ok

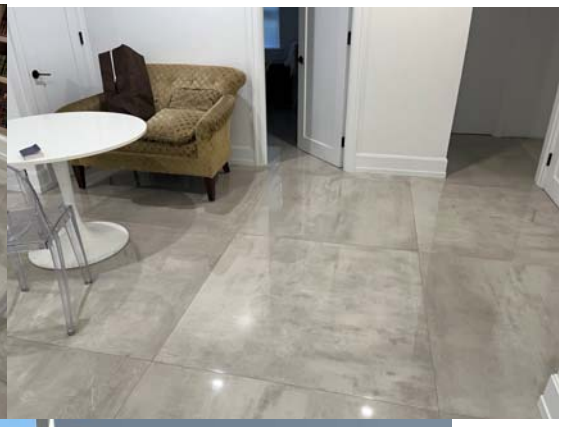
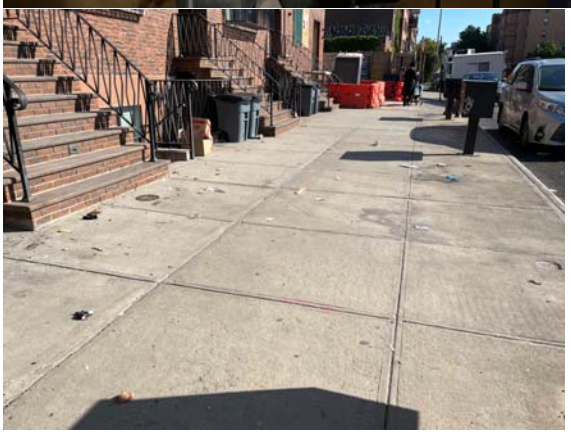
Describe any Cracks or New Penetrations: None observed

Describe any Patching: None observed

Repairs Needed and / or Maintenance at this time?

Ben Perlstein (1st Floor) present during inspection
No repairs needed at this time

Signature: Angela DeVito Date: 09/15/2022

Photos 12-16 – Lot 47	    
	FIELD PHOTOGRAPHS Gerry Street, Brooklyn NY Date: 09/23/22 By AMC Engineering PLLC

SITE INSPECTION CHECKLIST

SSDS - System Inspection Checklist
85 Gerry Street
Brooklyn, NY - Lot 48

Date: 09/15/2022 Time: 9:35AM

Inspector Name/Organization: Angela DeVito / AMC Engineering

Physical Inspection of Fan- Check seal w/vent line, unusual noises and general condition of unit.

85 Gerry Street:	**yes**	**no**
Operational?	✓	
Observed Leaks at Seals?		✓
Air Flow at Exhaust Stack?	✓	
Vacuum Reading:	0.65 "H2O	
Alarm Test:		
Alarm sound when fan off?	✓	
Indicator lights when fan off?	✓	

Fan Model No. Manufacturer:

Other Comments / Observations

None

Repairs Needed and / or Maintenance at this time?

No repairs needed at this time

Signature: Angela DeVito Date: 09/15/22

SITE INSPECTION CHECKLIST

Site Inspection Checklist - Cover System
81 Gerry Street
Brooklyn, NY
Lot 48

Date: 09/15/2022 Time: 9:30AM

Inspector Name/Organization: Angela DeVito | AMC Engineering

Visual Inspection of Building's Cellar Concrete Sla

Building Interior Inspect concrete slab for cracks, perforations and patching

Describe General Condition of Slab: Good

Describe any Cracks or New Penetrations: None observed since last inspection

Describe any Patching: None observed

Visual Inspection of Rear Courtyard

Building Exterior Inspect concrete/pavement for cracks, perforations and patching

Describe General Condition of Pavement/Concrete: OK - good

Describe any Cracks or New Penetrations: None observed

Describe any Patching: None observed

Repairs Needed and / or Maintenance at this time?

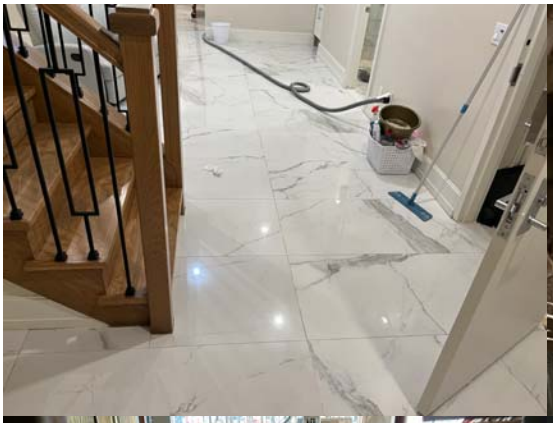
(Mr. Kaufman present during inspection)
No repairs needed at this time

Signature: Angela DeVito Date: 09/15/22

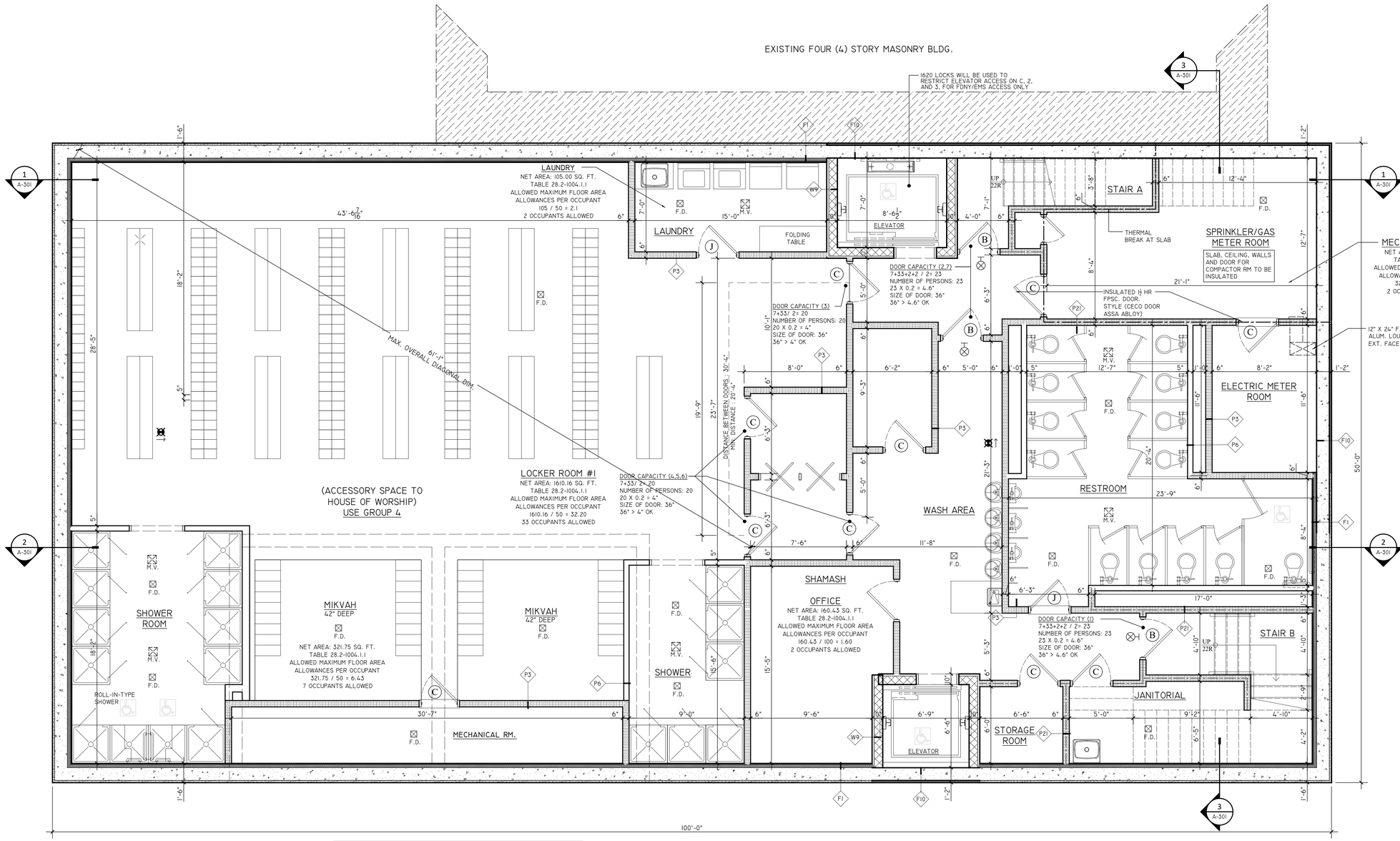
Photos

17-20 –

Lot 48



FIELD PHOTOGRAPHS
Gerry Street, Brooklyn NY
Date: 09/23/22
By AMC Engineering PLLC



§28.2-1015.2.1 TWO EXITS OR EXIT ACCESS DOORWAYS. WHERE TWO EXITS OR EXIT ACCESS DOORWAYS ARE REQUIRED FROM ANY PORTION OF THE EXIT ACCESS, THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL BE PLACED A DISTANCE APART EQUAL TO NOT LESS THAN ONE-HALF OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA TO BE SERVED MEASURED IN A STRAIGHT LINE BETWEEN EXIT DOORS OR EXIT ACCESS DOORWAYS. STAIRS SHARING ANY COMMON WALL, FLOORS, CEILINGS, SCISSOR STAIR ASSEMBLIES, OR OTHER ENCLOSURES SHALL BE COUNTED AS ONE EXIT STAIRWAY.

EXCEPTIONS:
2. REMOTE LOCATION IN SPRINKLERED BUILDINGS. WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 28.2-903.3.1.1 OR 28.2-903.3.1.2, THE SEPARATION DISTANCE OF THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL NOT BE LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.

LOCKER AREA
MAXIMUM OVERALL DIAGONAL DIMENSION = 61'-1" / 3 = 20'-5"
SEPARATION DISTANCE OF THE EXIT DOORS = 30'-4" > 20'-5" OK

TABLE 28.2-1021.1
MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD

OCCUPANT LOAD (PERSONS PER STORY)	MINIMUM NUMBER OF EXITS (PER STORY)
1-500	2
501-1,000	3
MORE THAN 1,000	4

§28.2-1021.1.1 EXITS MAINTAINED. THE REQUIRED NUMBER OF EXITS FROM ANY STORY SHALL BE MAINTAINED UNTIL ARRIVAL AT GRADE OR THE PUBLIC WAY.

§28.2-1018.2 CORRIDOR WIDTH. THE MINIMUM CORRIDOR WIDTH SHALL BE AS DETERMINED IN SECTION 28.2-1005.1, BUT NOT LESS THAN 44 INCHES (1118 MM).

§28.2-1005.1 MINIMUM REQUIRED EGRESS WIDTH. THE MEANS OF EGRESS WIDTH SHALL NOT BE LESS THAN THAT REQUIRED BY THIS SECTION. THE TOTAL WIDTH OF MEANS OF EGRESS IN INCHES (MM) SHALL NOT BE LESS THAN THE TOTAL OCCUPANT LOAD SERVED BY THE MEANS OF EGRESS MULTIPLIED BY 0.3 INCHES (7.62 MM) PER OCCUPANT FOR STAIRWAYS AND BY 0.2 INCHES (5.08 MM) PER OCCUPANT FOR OTHER EGRESS COMPONENTS. THE WIDTH SHALL NOT BE LESS THAN SPECIFIED ELSEWHERE IN THIS CODE. MULTIPLE MEANS OF EGRESS SHALL BE SIZED SUCH THAT THE LOSS OF ANY ONE MEANS OF EGRESS SHALL NOT REDUCE THE AVAILABLE CAPACITY TO LESS THAN 50 PERCENT OF THE REQUIRED CAPACITY. THE MAXIMUM CAPACITY REQUIRED FROM ANY STORY OF A BUILDING SHALL BE MAINTAINED TO THE TERMINATION OF THE MEANS OF EGRESS.

CORRIDOR
CAPACITY (BC 1005.1)
NUMBER OF PERSONS: 46
46 X 0.2" = 9.2"
WIDTH OF CORRIDOR 60"
60">9.2" THEREFORE OK
TOTAL CORRIDOR CAPACITY
300 OCCUPANTS

STAIR
CAPACITY (BC1005.1)
NUMBER OF PERSONS: 46
46 X 0.3" = 13.8"
WIDTH OF STAIR A: 44"
WIDTH OF STAIR B: 60"
104" > 13.8" THEREFORE OK
TOTAL STAIR CAPACITY
347 OCCUPANTS

STUDIO GALLOS
147 Maujer St I Brooklyn I New York I 11206
tel.: 718.458.1518
email: office@studiogallos.com

The ARCHITECT / DESIGNER shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractors or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to be scaled.

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

REVISIONS:

NO.:	DATE:	DESCRIPTION:

PROFESSIONAL SEAL:

FRANCISCO A. NUNEZ

CONSULATANT:

PROJECT TITLE:
PROPOSED FIVE (5) STORY COMMUNITY FACILITY & RESIDENTIAL MASONRY BUILDING

77 GERRY STREET,
BROOKLYN, NY 11206

JOB APPLICATION No.:

DRAWING TITLE:
CELLAR FLOOR PLAN

SCALE: AS NOTED	DRAWING No.: A-100.00
DRAWN BY: JC.	
DATE:	
JOB NO.: 16-138	01 OF

SITE INSPECTION CHECKLIST

Site Inspection Checklist - Cover System
73-79 Gerry Street
Brooklyn, NY
Lots 49 and 50

Date: 8/11/22 Time: 10:00AM

Inspector Name/Organization: Angela DeVito / AMC Engineering

Visual Inspection of Asphalt Capped Site

Inspect concrete/pavement for cracks, perforations and patching

Describe General Condition of Pavement: Site is under construction - most of the site is paved with concrete slab

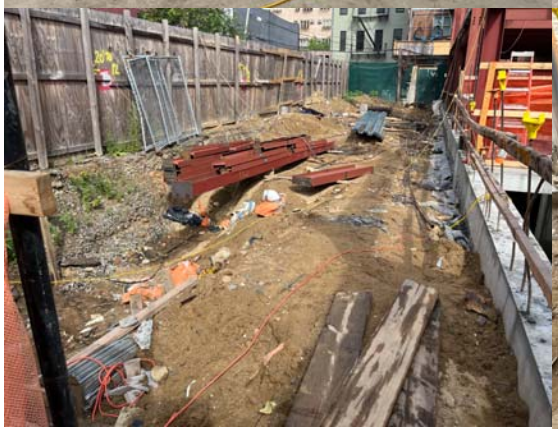
Describe any Cracks or New Penetrations:

Describe any Patching:

Repairs Needed and / or Maintenance at this time?

Most of the site is covered with concrete slab for new building.

Signature: Angela DeVito Date: 8/11/2022

Photos 17-20 – Lot 49-50	     
	FIELD PHOTOGRAPHS Gerry Street, Brooklyn NY Date: 09/23/22 By AMC Engineering PLLC

AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105
O: 718.545.0474

March 09, 2023

Sondra Martinkat
Project Manager
New York State Department of Environmental Conservation
47-40 21st Street
Long Island City, NY 11101

Ref: Inspection Report for EC (SSDS and Cover)
Former Pfizer Site B – OU-3 – Lot 45
87 Gerry St, Brooklyn, NY
Block 2266, Lot 45

Dear Ms. Martinkat:

On March 1, 2023, we inspected the Engineering Controls for OU-3 Lot 45 (cover system and SSDS) at the above-referred site.

I confirm that the inspected Engineering Controls are in place and properly functioning, except as indicated in the Checklists attached.

Lot 45 is being redeveloped under SMP conditions. The site is now capped by the new building. The rear of the property is now capped.

Enclosed, for your reference you will find:

1. Figure depicting cover system for Lot 45
2. Lot 45:
    a. Completed Checklists for Composite Cover system.
    b. Photodocumentation of inspections

Please, let me know if you require any additional information.

Sincerely,

Ariel Czemerinski, PE
AMC Engineering PLLC

Attachments

Photo Log

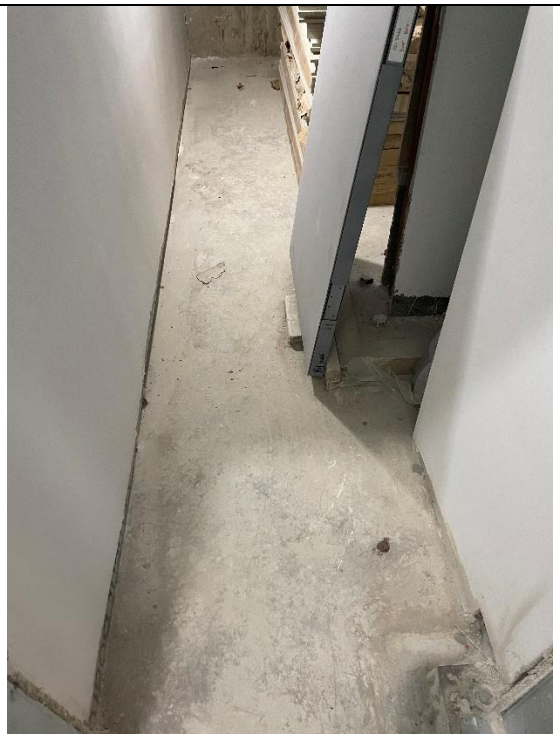
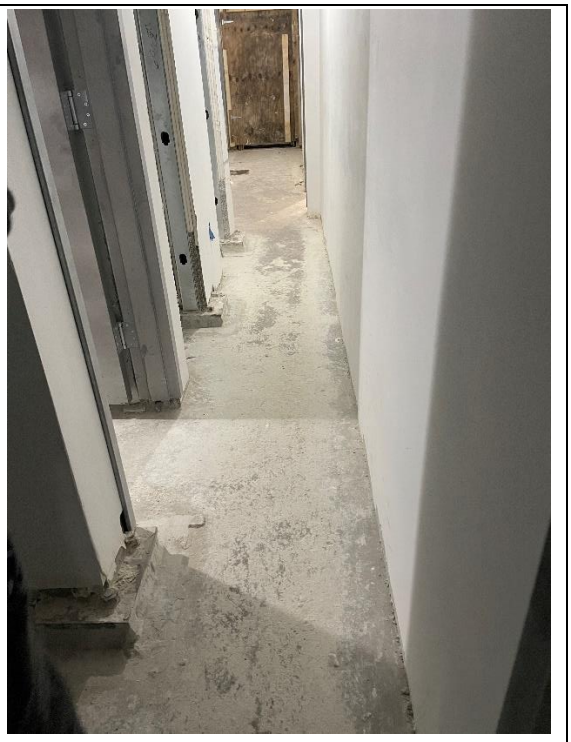
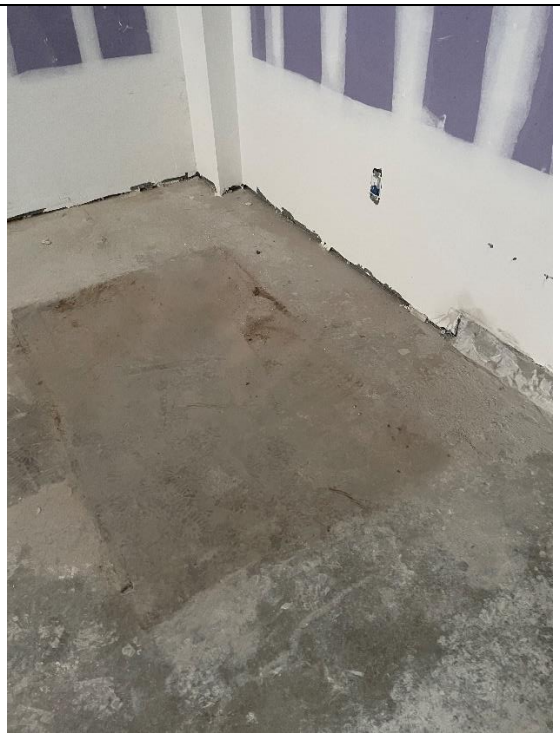
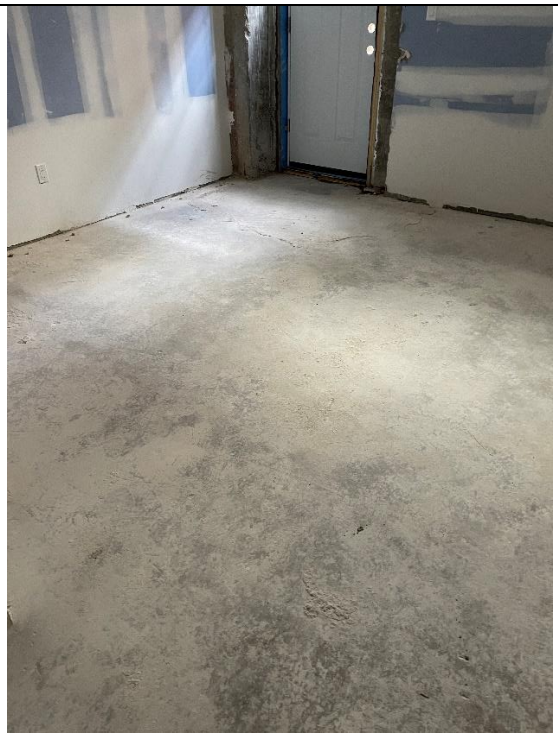
Photos 1-2 Lot 45 - Interior	 
Photos 3-4 Lot 45 - Interior	 
	FIELD PHOTOGRAPHS Gerry Street, Brooklyn NY Date: 03/01/23 By AMC Engineering PLLC

Photo 5 – Lot 45 Backyard	
Photo 6 – Lot 45 Backyard	
	FIELD PHOTOGRAPHS Gerry Street, Brooklyn NY Date: 03/01/23 By AMC Engineering PLLC

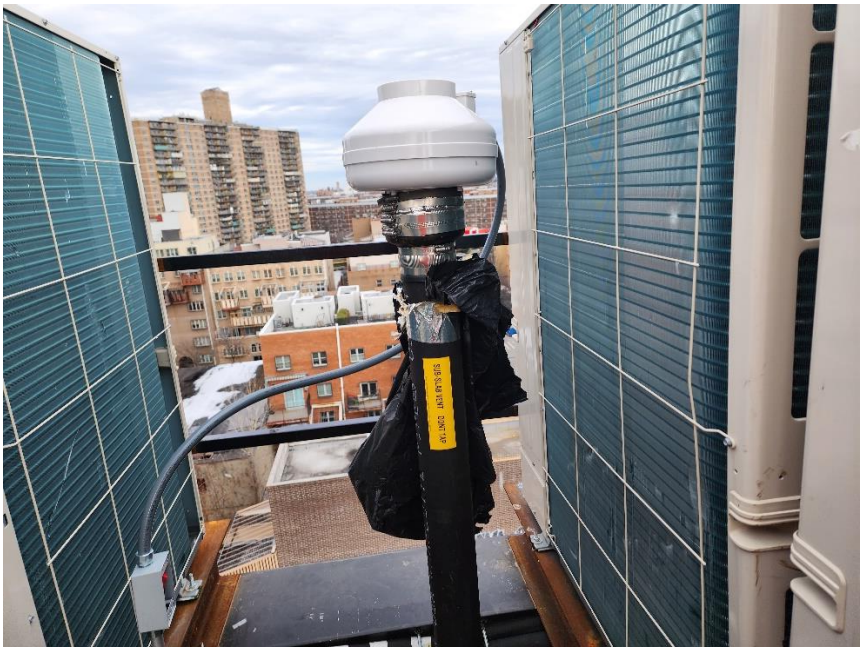
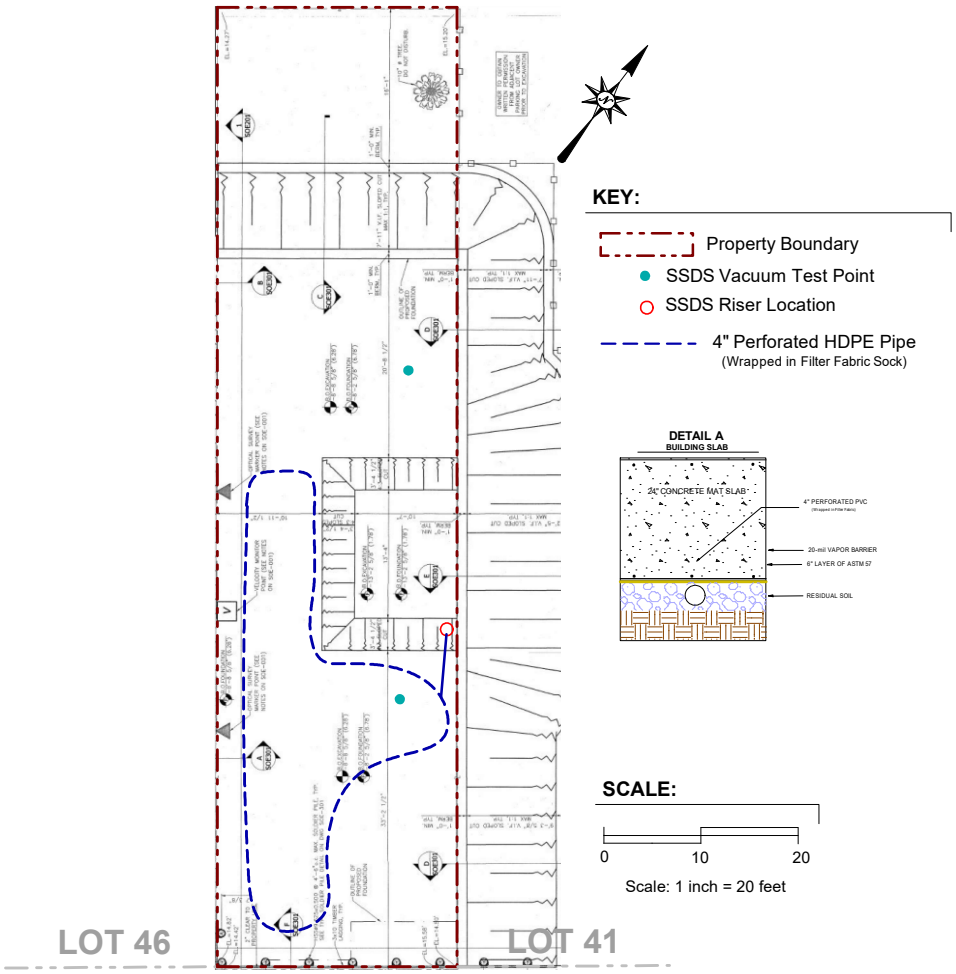
Photo 7-8 – Lot 45 SSDS Equipment	 
Photo 9 – Lot 45 SSDS Fan	
	FIELD PHOTOGRAPHS Gerry Street, Brooklyn NY Date: 03/01/23 By AMC Engineering PLLC

Photo 10 – Lot 45 MP-A	
Photo 11 – Lot 45 MP-B	
	FIELD PHOTOGRAPHS Gerry Street, Brooklyn NY Date: 03/01/23 By AMC Engineering PLLC



AMC Engineering 1836 42nd Street Astoria, NY 11105	*Figure No.* **8** 5/13/2022	Site Name: Former Pfizer Property - Site B - Operable Unit 3 Site Address: 87 Gerry Street, Brooklyn, NY Drawing Title: SSDS Layout

SITE INSPECTION CHECKLIST

SSDS - System Inspection Checklist

87 Gerry Street

Brooklyn, NY - Lot 45

Date: 3/1/23 Time: 11:00 am

Inspector Name/Organization: Ariel / AKE

Physical Inspection of Fan- Check seal w/vent line, unusual noises and general condition of unit.

87 Gerry Street:

	yes	no	Fan Model No., Manufacturer:
Operational?	✓		RP-265 Fan
Observed Leaks at Seals?		✓	
Air Flow at Exhaust Stack?	✓		Other Comments / Observations
Vacuum Reading:	-1.5 "H2O		MP-A = -0.25" WC
			MP-B = -0.19" W.C
Alarm Test:			
Alarm sound when fan off?	✓		
Indicator lights when fan off?	✓		

Repairs Needed and / or Maintenance at this time?

No repairs needed at this time.

Signature: 

Date: 3/8/23

SITE INSPECTION CHECKLIST

SSDS - System Inspection Checklist

87 Gerry Street

Brooklyn, NY - Lot 45

Date: 3/1/23 Time: 11:00am

Inspector Name/Organization: Ariel / AM

Visual Inspection of Building's Cellar Concrete Sla

Building Interior Inspect concrete slab for cracks, perforations and patching

Describe General Condition of Slab: Building under construction - Slab condition is good -

Describe any Cracks or New Penetrations: No cracks

Describe any Patching: No patching

Visual Inspection of Rear Courtyard

Building Exterior Inspect concrete/pavement for cracks, perforations and patching

Describe General Condition of Pavement/Concrete: Good

Describe any Cracks or New Penetrations: No cracks

Describe any Patching: No patching

Repairs Needed and / or Maintenance at this time?

None needed @ this time

Signature: Ariel Czemerinski Date: 3/9/23

STATE OF NEW YORK ★ ARIEL CZEMERINSKI ★ LICENSED PROFESSIONAL ENGINEER 076508

AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105
O: 718.545.0474

March 09, 2023

Sondra Martinkat
Project Manager
New York State Department of Environmental Conservation
47-40 21st Street
Long Island City, NY 11101

Ref: Inspection Report for EC (SSDS and Cover)
Former Pfizer Site B – OU-3
77 Gerry St, Brooklyn, NY
Block 2266, Lot 49

Dear Ms. Martinkat:

On March 1, 2023, we inspected the covering for OU-3 (cover system and SSDS) at the above-referred site.

I confirm that the inspected Engineering Controls are in place and properly functioning, except as indicated in the Checklists attached.

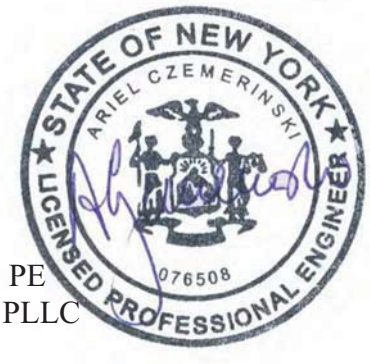
The site is being redeveloped under SMP conditions. The site is composed of two lots (Lots 49 and 50) that have been combined into one lot. This is a zero lot construction. The entire site is now capped by the new building.

Enclosed, for your reference you will find:

1. Figure depicting cover system for Lot 49
2. Lot 49:
    a. Completed Checklist for Composite Cover system of the cellar.
    b. Photodocumentation of inspections

Please, let me know if you require any additional information.

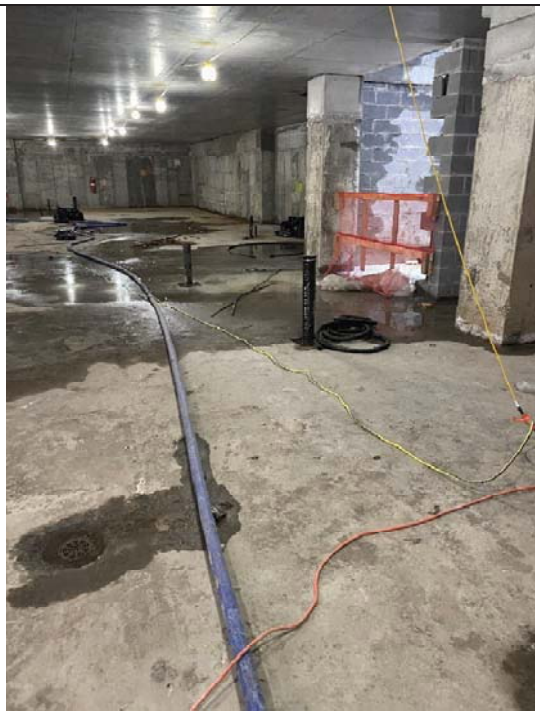
Sincerely,



Ariel Czemerinski, PE
AMC Engineering PLLC

Attachments

Photo Log

Photos 1-2 Lot 49 – Cellar	 
Photos 3-4 Lot 49 - Cellar	 
	FIELD PHOTOGRAPHS Gerry Street, Brooklyn NY Date: 03/01/23 By AMC Engineering PLLC

SITE INSPECTION CHECKLIST

Site Inspection Checklist - Cover System
73-79 Gerry Street
Brooklyn, NY
Lots 49 and 50

Date: 3/1/23 Time: 12:00pm

Inspector Name/Organization: Ariel / AMC

Visual Inspection of Cellar of New Building

Inspect concrete/pavement for cracks, perforations and patching

Describe General Condition of Slab: Good

Describe any Cracks or New Penetrations: None observed

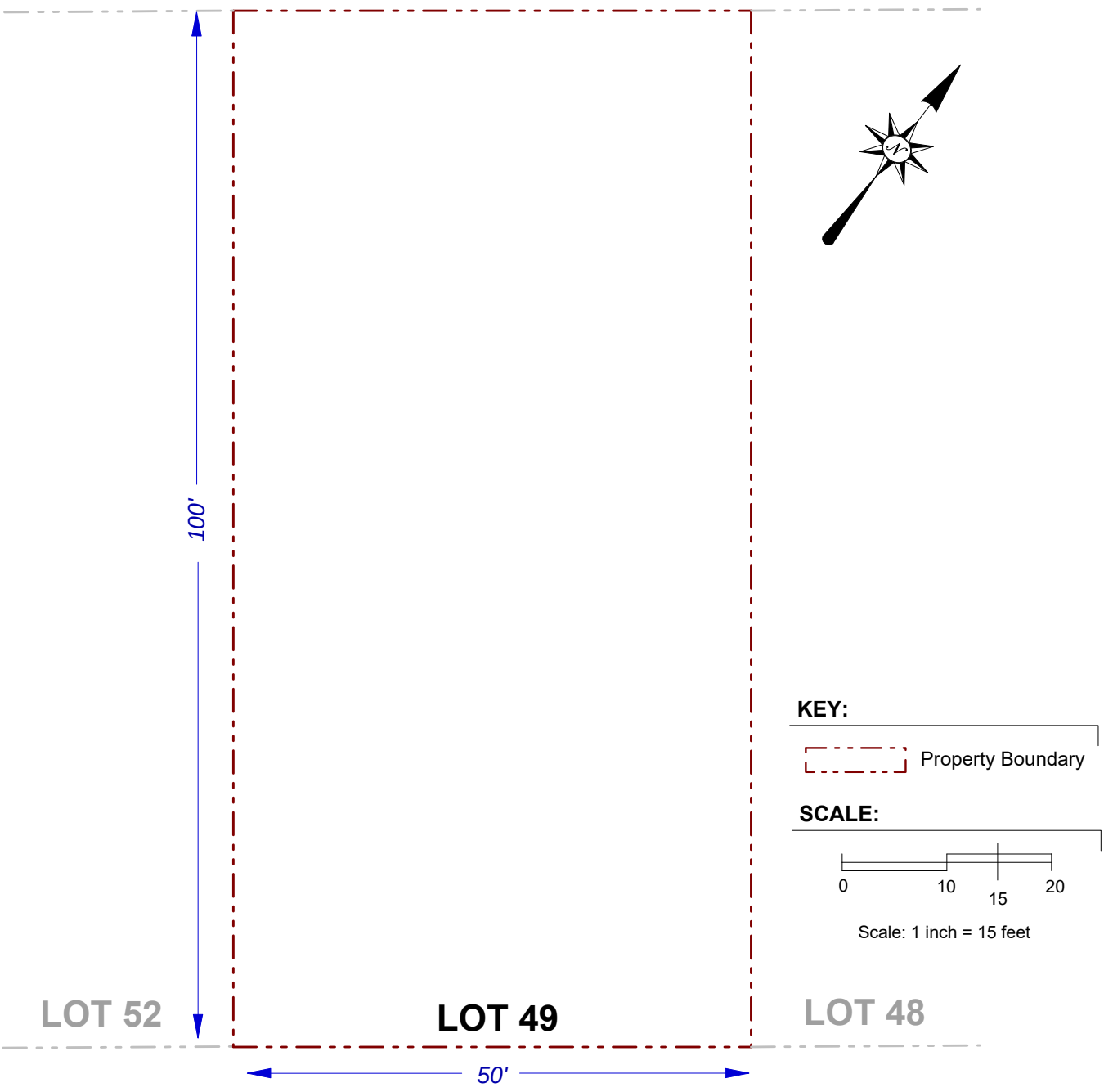
Describe any Patching: No patching noted

Repairs Needed and / or Maintenance at this time?

Building is still under construction but site is fully capped by building slab & the subcellar level. Protection includes Prepuf waterproofing / vapor barrier membrane -

Signature: Ariel Czemerinski Date: 3/10/23

STATE OF NEW YORK
ARIEL CZEMERINSKI
076508
LICENSED PROFESSIONAL ENGINEER



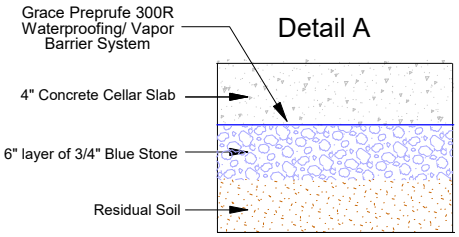
EBC
Environmental Business Consultants
Phone 631.504.6000
Fax 631. 924 .2870

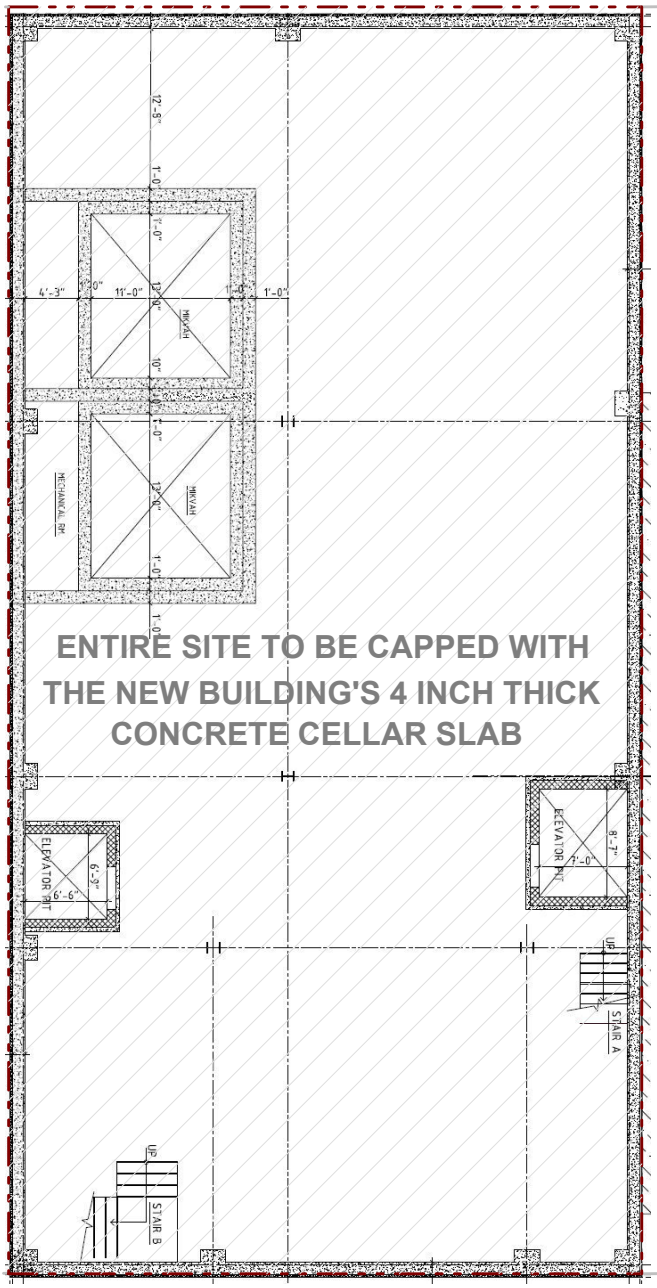
Figure No. 2

Site Name: Former Pfizer Property - Site B - Operable Unit 3

Site Address: 75 Gerry Street, Brooklyn, NY

Drawing Title: Site Boundary Map





KEY:

Property Boundary

SCALE:

0 10 15 20

Scale: 1 inch = 15 feet

SIDEWALK

GERRY STREET

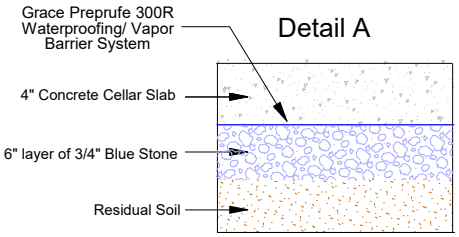
AMC Engineering
1836 42nd Street
Astoria, NY 11105

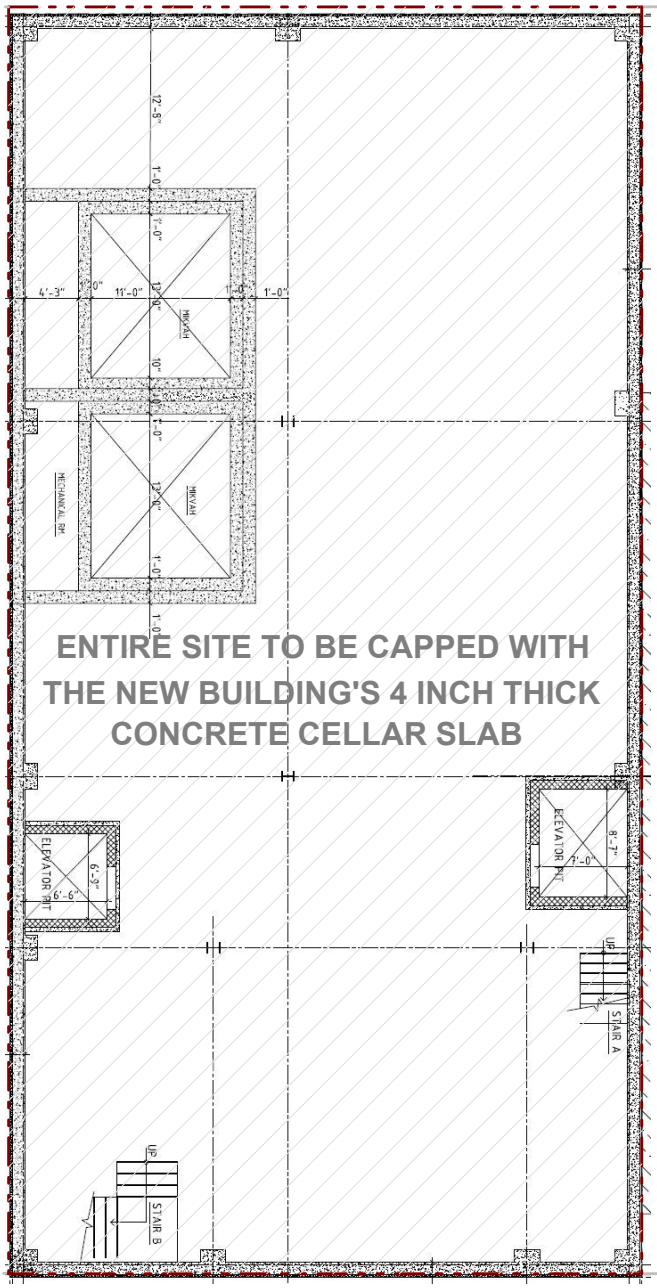
Figure No. **7**

Site Name: FORMER PFIZER PROPERTY - SITE B - OPERABLE UNIT 3

Site Address: 75 GERRY STREET, BROOKLYN, NY

Drawing Title: COVER SYSTEM DIAGRAM





KEY:

Property Boundary

SCALE:

0 10 15 20

Scale: 1 inch = 15 feet

SIDEWALK

GERRY STREET

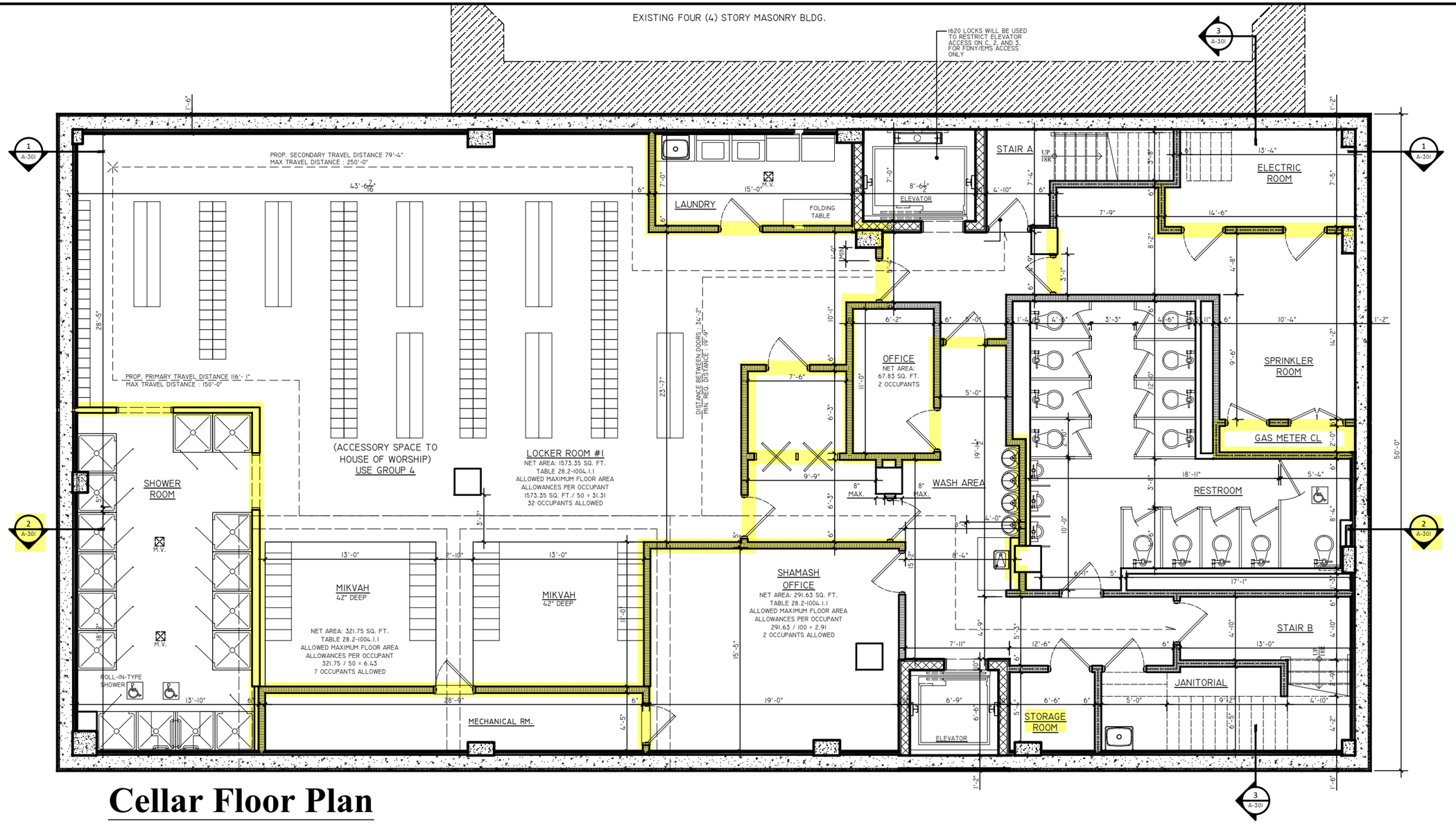
AMC Engineering
1836 42nd Street
Astoria, NY 11105

Figure No. **7**

Site Name: FORMER PFIZER PROPERTY - SITE B - OPERABLE UNIT 3

Site Address: 75 GERRY STREET, BROOKLYN, NY

Drawing Title: COVER SYSTEM DIAGRAM



Cellar Floor Plan

NOTE: All floor level interior partitions and exits shall be as approved by DOB.

0 5 10 15 20

MAXIMUM OCCUPANCY AS PER SPACE UTILIZATION TABLE	
MAX DESIGN OCCUPANCY LOAD:	63
MAX LEGAL OCCUPANCY LOAD:	86

TABLE 1005.1
EGRESS WIDTH PER OCCUPANT SERVED
OTHER COMPONENTS
(INCHES PER OCCUPANT): 0.2
NUMBER OF PERSONS: 63
63X 0.2 = 12"
SIZE OF DOOR: 72"
72 / 0.2 = 360 OCCUPANTS
180 OCCUPANT PER DOOR

TABLE 1005.1
EGRESS WIDTH PER OCCUPANT SERVED
STAIRCASE COMPONENTS
(INCHES PER OCCUPANT): 0.3
NUMBER OF PERSONS: 63
63X 0.3 = 19"
SIZE OF STAIR: 104"
104 / 0.3 = 346 OCCUPANTS
146 OCCUPANT PER STAIRCASE(3'-8")
200 OCCUPANT PER STAIRCASE(5'-0")

P03
03 OF 14

STUDIO GALLOS
145 Maujer Street. 1c
Brooklyn, NY 11378
tel.: 718.458.1518

REGISTERED ARCHITECT
FRANCISCO ANTONIO NUNEZ
042245
STATE OF NEW YORK

Proposed Cellar Fl. Plan | SCALE: 1/8" = 1'-0" | DATE: 7/21/22

Proposed Five (5) Story
Community Facility and
Multi-Dwelling Building located @
Gerry Street, Brooklyn, New York

SITE INSPECTION CHECKLIST

SSDS - System Inspection Checklist

87 Gerry Street

Brooklyn, NY - Lot 45

Date: 3/1/23 Time: 11:00 am

Inspector Name/Organization: Ariel / AKE

Physical Inspection of Fan- Check seal w/vent line, unusual noises and general condition of unit.

87 Gerry Street:

	yes	no	Fan Model No., Manufacturer:
Operational?	✓		RP-265 Fan
Observed Leaks at Seals?		✓	
Air Flow at Exhaust Stack?	✓		Other Comments / Observations
Vacuum Reading:	-1.5 "H2O		MP-A = -0.25" WC
			MP-B = -0.19" W.C
Alarm Test:			
Alarm sound when fan off?	✓		
Indicator lights when fan off?	✓		

Repairs Needed and / or Maintenance at this time?

No repairs needed at this time.

Signature: 

Date: 3/8/23

APPENDIX D

Certification Form

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **V00350**

Site Name Pfizer Sites B and D

Site Address: 59-71 Gerry St. and 73-87 Gerry St. Zip Code: 11206
City/Town: Brooklyn
County: Kings
Site Acreage: 1.470

Reporting Period: July 28, 2021 to July 28, 2022

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	X	☐
Block 2269 Lot 1 and Lot 2 are now numbered Lot 7501 and Lot 7502, respectively. Block 2266 Lot 49 anf Lot 50 have been merged to Lot 49.		
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. V00350 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
2266-1	Bais Ruchel High School, Inc.	
		Site Management Plan
		Landuse Restriction
		Landuse Restriction
		Landuse Restriction
		Landuse Restriction
		Site Management Plan
		Landuse Restriction
		Site Management Plan
		Site Management Plan
		Site Management Plan

A series of Institutional Controls (ICs) are required to: (1) implement, maintain and monitor the Engineering Control (EC) system; (2) prevent future exposure to potential remaining contamination by controlling disturbances of the potential subsurface contamination; and, (3) limit the use and development of the Site to restricted residential, commercial and industrial uses only. Adherence to these ICs on the Site is required by the Deed Restriction and will be implemented under a Site Management Plan.

2266-45	Oholei Shloma	
		Landuse Restriction
		Site Management Plan

A series of Institutional Controls (ICs) are required to: (1) implement, maintain and monitor the Engineering Control (EC) system; (2) prevent future exposure to potential remaining contamination by controlling disturbances of the potential subsurface contamination; and, (3) limit the use and development of the Site to restricted residential, commercial and industrial uses only. Adherence to these ICs on the Site is required by the Deed Restriction and will be implemented under a Site Management Plan.

2266-46	Berish Ekstein and Joseph Jacob	
		Landuse Restriction
		Site Management Plan

A series of Institutional Controls (ICs) are required to: (1) implement, maintain and monitor the Engineering Control (EC) system; (2) prevent future exposure to potential remaining contamination by controlling disturbances of the potential subsurface contamination; and, (3) limit the use and development of the Site to restricted residential, commercial and industrial uses only. Adherence to these ICs on the Site is required by the Deed Restriction and will be implemented under a Site Management Plan.

2266-47	Simon Strulovic	
		Landuse Restriction
		Site Management Plan

A series of Institutional Controls (ICs) are required to: (1) implement, maintain and monitor the Engineering Control (EC) system; (2) prevent future exposure to potential remaining contamination by controlling disturbances of the potential subsurface contamination; and, (3) limit the use and development of the Site to restricted residential, commercial and industrial uses only. Adherence to these ICs on the Site is required by the Deed Restriction and will be implemented under a Site Management Plan.

2266-50	Congregation Divrei Yoel	
		Landuse Restriction
		Site Management Plan

A series of Institutional Controls (ICs) are required to: (1) implement, maintain and monitor the Engineering Control (EC) system; (2) prevent future exposure to potential remaining contamination by controlling disturbances of the potential subsurface contamination; and, (3) limit the use and development of the Site to restricted residential, commercial and industrial uses only. Adherence to these ICs on the Site is required by the Deed Restriction and will be implemented under a Site Management Plan.

2269-1 58 Gerry St LLC

Landuse Restriction
Site Management Plan

A series of Institutional Controls (ICs) are required to: (1) implement, maintain and monitor the Engineering Control (EC) system; (2) prevent future exposure to potential remaining contamination by controlling disturbances of the potential subsurface contamination; and, (3) limit the use and development of the Site to restricted residential, commercial and industrial uses only. Adherence to these ICs on the Site is required by the Deed Restriction and will be implemented under a Site Management Plan.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
2266-1 OU-2	
COVER SYSTEM	Cover System
VAPOR MITIGATION	Cover System
	Vapor Mitigation
2266-10 OU-2	Vapor Mitigation
COVER SYSTEM	Cover System
2266-2 OU-2	Vapor Mitigation
COVER SYSTEM	Cover System
	Cover System

Exposure to remaining contamination is prevented by a temporary cover system placed at this parcel. This cover system is currently comprised of 2-inch asphalt. The monitoring frequency is quarterly.

2266-45 **OU-3**

Cover System

Exposure to remaining contamination is prevented by a temporary cover system placed at this parcel. This cover system is currently comprised of 2-inch asphalt. The monitoring frequency is quarterly.

2266-46 **OU-3**

Vapor Mitigation
Cover System

The Engineering Controls consist of: (1) a sub-slab depressurization system and (2) a cover system. A sub-slab depressurization is installed at the site which is designed to create negative pressure in the subsurface soil beneath the basement slabs of the buildings and thereby prevent the intrusion of contaminated soil vapor. Exposure to remaining contamination at the site is prevented by a cover system placed over the site. This cover system is currently comprised of 6-inch concrete.

2266-47 **OU-3**

2266-48 **OU-3**

Vapor Mitigation
Cover System

The Engineering Controls consist of: ~~(1) a sub-slab depressurization system and~~ (2) a cover system. ~~A sub-slab depressurization is installed at the site which is designed to create negative pressure in the subsurface soil beneath the basement slabs of the buildings and thereby prevent the intrusion of contaminated soil vapor.~~ Exposure to remaining contamination at the site is prevented by a cover system placed over the site. This cover system is currently comprised of 6-inch concrete.

2266-~~50~~ 49

Cover System

Exposure to remaining contamination is prevented by a temporary cover system placed at this parcel. This cover system is currently comprised of 2-inch asphalt. The monitoring frequency is quarterly.

2269-~~1~~ 7501
2269-7502
2269-3
2269-51

Groundwater Treatment System
Cover System
Monitoring Wells

Exposure to remaining contamination at the site is prevented by a cover system placed over the site. This cover system is currently comprised of a minimum of 24 inches of clean soil meeting the Part 375 PoG Criteria for VOCs and RRSCOs for

Parcel	Engineering Control
non-VOCs in areas that are not paved or under a building slab, concrete cover, and concrete building slabs.	
An additional 2-phase ISCO injection program will be implemented at the site based on the presence of residual CVOCs in groundwater and soil to follow up excavation of impacted soil and the initial ISCO injection round.	Additional injection programs were implemented in 2016, 2017, and 2020.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative — Date

OU-1

IC CERTIFICATIONS
SITE NO. V00350

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Sol Moskovits at 115 Sanford St, Bklyn NY
print name print business address

am certifying as Representative (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

11/4/20
Date

OU-2 and OU-3

IC CERTIFICATIONS
SITE NO. V00350

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I BARRY EKSTEIN at 670 Flushing Ave #132, Brooklyn, NY 11206,
print name print business address

am certifying as Representative (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

11/16/22
Date

EC CERTIFICATIONS

Box 7

Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Charles J. McGuckin (print name) at 209 Shafter Street, Islandia, New York 11749 (print business address),

am certifying as a for the Remedial Party - Pfizer Inc (Owner or Remedial Party)

Signature of , for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

March 29, 2023
Date

Periodic Review Report
Former Pfizer Inc Site B & D
59-71 Gerry Street and 73-87 Gerry Street,
191 Harrison Avenue and 60-66 Gerry Street
Brooklyn, New York

PLATE

VOCs Detected in Groundwater April 2016 to April 2022

MW-16R	07/20/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/30/2018	07/02/2018	10/09/2018	01/10/2019	04/04/2019	07/09/2019	10/04/2019
VOCs												
1,1-Dichloroethane	5.4 J	5.1 J	6 J	6.3	6.1	5.5	NE	9	11 J	10	9.8	9.8
1,2-Dichloroethane	1 J	1 J	1.1 J	1.6	1.4	1.1	1.1	1.4	ND	1.8	1.6	1.9
Cis-1,2-Dichloroethylene	210	220	170	180	160	150	170	71	37	67	86	100
Dichloroethylenes	210	220	170	180 J	160 J	150	170 J	73 J	37	69 J	88 J	100 J
Vinyl Chloride	350	310	410	370	250	300	230	430	520	510	400	390

MW-18	04/06/2016	07/20/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/30/2018	07/02/2018	07/02/2018 DUP	10/09/2018	01/11/2019	04/04/2019	04/04/2019 DUP	07/09/2019	10/04/2019
VOCs															
Acetone	ND	89	66	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	10	NE	NE	2	2.8	1.8	2.9	2.7	2.3	1.2	ND	1.9	1.8	2.6	2.8
Chloroethane	ND	ND	NA	NA	25	21	28	NA	NA	NE	ND	10	9.6	5.9	NA
Cis-1,2-Dichloroethylene	980	60	33	160	440	160	110	160	150	220	9.3	44	44	47	53
Dichloroethylenes	980	63	36	160 J	440 J	160 J	110 J	160 J	150 J	220 J	9.3	46 J	46 J	49 J	54 J
Vinyl Chloride	190	7.7	NE	120	200	140	290	220	200	63	NE	130	120	150	110

MW-22	04/05/2016	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/29/2018	03/29/2018 DUP	07/03/2018	10/09/2018	01/10/2019	04/04/2019	07/08/2019	10/03/2019	05/28/2020	10/27/2020
VOCs																
Cis-1,2-Dichloroethylene	1500	500	1000	22	290	1800	140	200	1800	42	100	450	NE	410	72	170
Dichloroethylenes	1500	500	1000	22	290	1800	140	200 J	1800	42	100	450	NE	410	72	170
Tetrachloroethylene (PCE)	25	NE	NE	NE	NE	15	NE	NE	9.6 J	ND	ND	NE	NE	NE	NE	NE
Trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	6.2	ND	NE	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	44	9.8	14	NE	5.1	39	NE	NE	22	ND	ND	5.2	NE	NE	NE	NE
Vinyl Chloride	21 J	59	110	3.2	18	210	15	21	450	45	100	73	NE	62	3.7	4.7

MW-8	04/06/2016	07/20/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/30/2018	07/03/2018	10/10/2018	01/10/2019	04/04/2019	07/09/2019	10/03/2019	10/03/2019 DUP
VOCs														
Cis-1,2-Dichloroethylene	580	810	750	1000	880	820	470	350	340	140	880	2700	2800	2500
Dichloroethylenes	580	810	750	1000	890	820	470	350 J	340 J	140 J	880	2700	2800	2500
Tetrachloroethylene (PCE)	22	36	20	19	31	27	16	12	NE	NE	9.4	56	61	57
Trans-1,2-Dichloroethene	ND	ND	ND	ND	5.2	ND	ND	NE	NE	NE	ND	ND	ND	ND
Trichloroethylene (TCE)	50	68	38	54	85	56	26	21	5.3	6.8	18	97	90	90
Vinyl Chloride	19	11	19	34	12	24	26	34	77	NE	4.6 J	18 J	22	25

MW-19	04/05/2016	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/30/2018	07/03/2018	10/10/2018	01/10/2019	04/04/2019	07/08/2019	10/03/2019	05/29/2020	10/27/2020	01/26/2021	01/26/2021 DUP	04/28/2021	10/27/2021
VOCs																			
Cis-1,2-Dichloroethylene	6.2	14	NE	26	5.8	140	130	180	1300	570	410	160	280	140	130	39	33	51	24
Dichloroethylenes	6.2	14	NE	26	5.8	140	130	180	1300	570	410	160	280	140	130	39	33	51	24
Trichloroethylene (TCE)	ND	NE	ND	NE	ND	NE	NE	NE	8.6	ND	NE	NE	NE	NE	NE	ND	ND	NE	NE
Vinyl Chloride	2.3	6.9	NE	7.6	2.8	23	25	37	230	350	70	20	4	14	NE	13	12	3.6	ND

MW-23	04/05/2016	07/20/2016	07/20/2016 DUP	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/30/2018	07/03/2018	10/10/2018	01/10/2019	04/04/2019	07/09/2019	10/03/2019	05/28/2020	10/27/2020	01/26/2021	04/28/2021	10/27/2021	01/26/2022	04/29/2022
VOCs																					
Cis-1,2-Dichloroethylene	780	850	890	1200	600	530	700	840	820	430	56	92	180	240	200	990	890	1300	17	5.7	NE
Dichloroethylenes	780	850	890	1200	600	530	700	840	820	430	56	92	180	240	NA	990	890	1300	17	5.7	NE
Tetrachloroethylene (PCE)	5.4 J	6.3	6.3	8.4	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	6.2	8.2	7.6	NE	NE	NE
Trichloroethylene (TCE)	12	13	13	17	8.4	6.4	8.6	5.6	5.2	NE	NE	NE	NE	NE	NE	13	11	11	NE	NE	NE
Vinyl Chloride	2.3 J	NE	NE	2.3 J	4.1 J	NE	5.5 J	10	4.4 J	8.5	NE	NE	NE	6.6	5.7	4 J	5.2	NE	NE	NE	ND

MW-21	04/05/2016	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017	03/29/2018	07/02/2018	10/09/2018	01/10/2019	04/04/2019	07/08/2019	07/08/2019 DUP	10/03/2019	05/28/2020	10/27/2020	01/26/2021	04/28/2021	10/27/2021	10/27/2021 DUP	01/26/2022	01/26/2022 DUP	04/29/2022
VOCs																							
Chloroethane	ND	ND	NA	NA	ND	ND	ND	NA	ND	NE	10 J	ND	ND	NA	NA	NA	NA	ND	NA	NA	ND	ND	NA
Cis-1,2-Dichloroethylene	540	300	300	380	360	240	210	130	27	150	1600	140	150	43	180	NE	NE	6.6	74	76	140	140	20
Dichloroethylenes	540	300	300	380	360	240	210	130	27	150	1600	140	150	43	180	NE	NE	6.6	75 J	77 J	140	140	20
Trichloroethylene (TCE)	7	NE	5.2	5.2	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Vinyl Chloride	63	20	58	100	32	29	75	58	6.9	730	1000	90	94	20	92	NE	NE	2.1	5.2	5.7	18	19	2.1

MW-24I	04/27/2017	04/27/2017 DUP	07/18/2017	07/18/2017 DUP	11/27/2017	03/29/2018	04/26/2018	06/01/2018	07/02/2018	10/09/2018	01/11/2019	04/05/2019	05/29/2020	10/28/2020	01/25/2021	04/28/2021	10/28/2021	01/26/2022	04/28/2022
VOCs																			
1,1-Dichloroethene	ND	18 J	22 J	63 J	8.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3 J	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NA	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	9.1 J	NA	NA	NA	ND	NA	ND	NA
Chloroethane	NA	NA	ND	ND	ND	ND	ND	NE	NA	ND	NE	8.1 J	NA	NA	NA	ND	NA	ND	NA
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	NA	ND	NA
Cis-1,2-Dichloroethylene	3700	7400	13000	36000	4400	31	32	16	17	240	12	46	200	130	740	100	15	12	7.6
Dichloroethylenes	3700	7400	13000	36000	4400	31	32	16	17	240	12	46	200	130	740	100	15	12	7.6
Methyl Ethyl Ketone (2-Butanone)	ND	ND	ND	ND	ND	NE	ND	ND	ND	ND	ND	ND	ND	ND	140 J	NE	ND	ND	ND
Tetrachloroethylene (PCE)	ND	ND	ND	900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	14 J	30 J	ND	240	19 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2500	2300	4300	3400	1600	120	120	130	120	1300	400	3400	2600	2500	4800	500	100	200	19

MW-9	04/06/2016	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/27/2017	11/27/2017 DUP
VOCs	NE	NE	NE	NE	NE	NE	NE

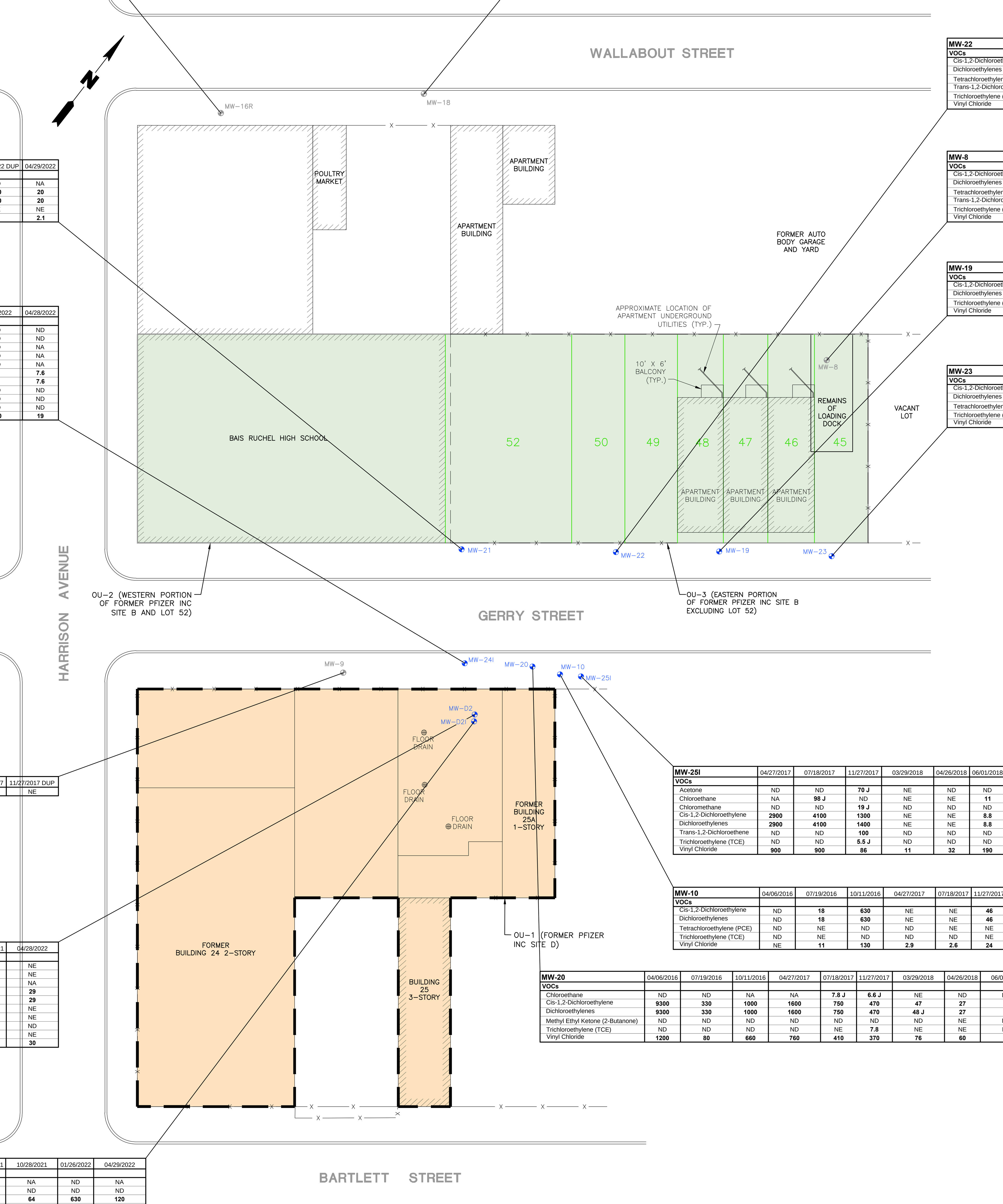
MW-25I	04/27/2017	07/18/2017	11/27/2017	03/29/2018	04/26/2018	06/01/2018	08/21/2018	10/09/2018	01/10/2019	01/10/2019 DUP	04/05/2019	07/08/2019	10/03/2019	05/28/2020	10/27/2020	01/25/2021	04/28/2021	10/25/2021	01/26/2022	04/29/2022
VOCs																				
Acetone	ND	ND	70 J	NE	ND	ND	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NA	98 J	ND	NE	NE	11	5.4	NE	NE	ND	NE	NE	NA	NA	NA	NA	ND	NA	ND	NA
Chloromethane	ND	ND	19 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA
Cis-1,2-Dichloroethylene	2900	4100	1300	NE	NE	8.8	6	8.4	NE	NE	5.2	33	47	78	520	190	220	26	11	NE
Dichloroethylenes	2900	4100	1400	NE	NE	8.8	6	8.4	NE	NE	5.2	33	47	78	520	190	220	26	11	NE
Trans-1,2-Dichloroethene	ND	ND	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	ND	ND	5.5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	900	900	86	11	32	190	73	39	6.4	5.1	11	19	29	39	120	170	160	11	NE	NE

MW-10	04/06/2016	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/27/2017	03/29/2018	08/21/2018	10/09/2018	01/10/2019	04/04/2019	07/09/2019	10/04/2019	05/28/2020	05/28/2020 DUP	10/27/2020	01/26/2021	04/28/2021	10/27/2021	01/26/2022	04/28/2022
VOCs																					
Cis-1,2-Dichloroethylene	ND	18	630	NE	NE	46	NE	14	500	26	ND	NE	26	ND	ND	NE	NE	ND	220	170	230
Dichloroethylenes	ND	18	630	NE	NE	46	NE	14	500	26	ND	NE	26	ND	ND	NE	NE	ND	220	170	230
Tetrachloroethylene (PCE)	ND	NE	ND	ND	NE	NE	NE	NE	NE	16	NE	NE	NE	NE	NE	NE	NE	ND	18	18	30
Trichloroethylene (TCE)	ND	NE	ND	ND	ND	NE	NE	NE	NE	NE	ND	NE	NE	ND	ND	ND	ND	ND	5.9	8.7	7.8
Vinyl Chloride	NE	11	130	2.9	2.6	24	3.3	15	160	10	NE	3.5	13	NE	NE	NE	NE	NE	100	78	51

MW-20	04/06/2016	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/27/2017	03/29/2018	04/26/2018	06/01/2018	07/02/2018	10/09/2018	01/10/2019	04/04/2019	07/08/2019	10/04/2019	05/29/2020	10/28/2020	01/25/2021	04/28/2021	04/28/2021 DUP	10/27/2021	01/26/2022	04/28/2022	04/28/2022 DUP
VOCs																								
Chloroethane	ND	ND	NA	NA	7.8 J	6.6 J	NE	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	NA	ND	NA	NA
Cis-1,2-Dichloroethylene	9300	330	1000	1600	750	470	47	27	15	8.5	NE	1800	300	180	NE	110	ND	NE	240	230	84	61	41	44
Dichloroethylenes	9300	330	1000	1600	750	470	48 J	27	15	8.5	NE	1800	300	180	NE	110	ND	NE	240	230	84	61	41	44
Methyl Ethyl Ketone (2-Butanone)	ND	ND	ND	ND	ND	ND	ND	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	ND	NE	ND	ND	ND	ND
Trichloroethylene (TCE)	ND	ND	ND	ND	NE	7.8	NE	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1200	80	660	760	410	370	76	60	41	22	6.6	1300	450	550	26	560	18	23	910	880	200	50	430	380

MW-D2	04/05/2016	07/19/2016	10/11/2016	04/27/2017	07/18/2017	11/27/2017	03/29/2018	04/26/2018	06/01/2018	07/02/2018	10/09/2018	01/11/2019	04/05/2019	07/08/2019	10/04/2019	05/29/2020	10/28/2020	10/28/2020 DUP	01/25/2021	04/28/2021	10/28/2021	04/28/2022
VOCs																						
1,1-Dichloroethene	ND	ND	ND	ND	56 J	20 J	ND	ND	NE	ND	ND	NE	5.8 J	8.7 J	ND	27 J	9 J	7 J	ND	ND	ND	NE
Acetone	ND	360 J	ND	ND	ND	ND	ND	66 J	NE	ND	55	ND	ND	ND	ND	ND	ND	ND	NE	NE	NE	NE
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30 J	ND	ND	ND	ND	ND	ND	ND	NA	NA
Cis-1,2-Dichloroethylene	25000	15000	14000	17000	33000	14000	6500	1700	800	370	570	1200	2100	3100	960	15000	3900	3600	44	110	NE	29
Dichloroethylenes	25000	15000	14000	17000	33000	14000	6500	1700 J	810 J	380 J	580 J	1200	2100 J	3100 J	960	15000	3900 J	3600 J	49 J	110 J	NE	29
Methyl Ethyl Ketone (2-Butanone)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	96	ND	NE
Tetrachloroethylene (PCE)	ND	ND	97 J	300	820	500	ND	ND	ND	ND	ND	ND	ND	ND	NE	ND	ND	ND	ND	ND	ND	NE
Trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	16 J	9.4 J	6.8 J	13 J	19	22 J	20 J	ND	ND	23 J	18 J	NE	NE	ND	ND
Trichloroethylene (TCE)	ND	ND	ND	120 J	230	210	ND	ND	ND	ND	ND	NE	ND	ND	NE	18 J	ND	ND	ND	ND	NE	NE
Vinyl Chloride	1800	1500	2000	1300	3200	4100	9500	7800	6700	6600	1200	9900	16000	12000	4400	19000	12000	13000	740	3500	260	30

MW-D2I	04/05/2016	07/19/2016	10/11/2016	10/11/2016 DUP	04/27/2017	07/18/2017	11/27/2017	03/29/2018	04/26/2018	06/01/2018	07/02/2018	10/09/2018	10/09/2018 DUP	01/11/2019	04/05/2019	07/08/2019	10/04/2019	05/28/2020	10/27/2020	01/25/2021	04/28/2021	10/28/2021	01/26/2022	04/29/2022
VOCs																								
1,1,2-Trichloroethane	ND	ND	NA	NA	NA	ND	8.8	ND	ND	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	NA	ND	NA
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	7.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	130	ND	ND	NE	ND	NE	NE	ND	NE	ND	ND	ND	ND	NE	NE	64	630	120
Chloromethane	ND	ND	ND	ND	ND	ND	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA
Cis-1,2-Dichloroethylene	2700	8700	14000	14000	3600	3900	610	NE	5.9	53	140	140	140	380	320	260	140	130	170	130	54	40	29	15
Dichloroethylenes	2700	8700	14000	14000	3600	3900	650	NE	5.9	53	140	140	140	380 J	320 J	260	140	130	170	130	54	40	29	15
Methyl Ethyl Ketone (2-Butanone)	ND	ND	ND	ND	ND	ND	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	150	NE	200	640	350
Methylene Chloride	ND	ND	ND	ND	ND	ND	9.7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	100	45 J	ND	ND	170	300	78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE	NE	ND	ND
Trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	41	ND	ND	ND	ND	ND	ND	NE	NE	ND	ND	ND	ND	ND	NE	ND	ND	ND
Trichloroethylene (TCE)	110	68 J	ND	ND	60	64	36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	NE	ND	ND	NE
Vinyl Chloride	230	1200	2700	2800	1300	3100	160	54	420	150	310	190	190	310	240	370	610	770	1400	170	76	44	18	11



LEGEND

EXISTING BUILDINGS OR STRUCTURES

LOCATION AND DESIGNATION OF EXISTING MONITORING WELL

LOCATION AND DESIGNATION OF DECOMMISSIONED MONITORING WELL

FORMER PFIZER INC SITE D

FORMER PFIZER INC SITE B

FORMER PFIZER PROPERTY LINE

FENCE

50 TAX LOT AND NUMBER

TYPICAL DATABOX INFORMATION

SAMPLE DESIGNATION — SAMPLING DATE

MW-16R	07/20/2016	10/11/2016	04/27/2017	07/18/2017	11/22/2017
VOCs					
1,1-Dichloroethane	5.4 J	5.1 J	6 J	6.3	6.1
1,2-Dichloroethane	1 J	1 J	1.1 J	1.6	1.4
Cis-1,2-Dichloroethylene	210	220	170	180	160
Dichloroethylenes	210	220	170	180 J	160 J
Vinyl Chloride	350	310	410	370	250

ANALYTES — CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L)

µg/L — Micrograms per liter

NYSDEC — New York State Department of Environmental Conservation

AWQGVs — Ambient Water-Quality Guidance Values

– — Not detected above NYSDEC AWQSGV

J — Estimated value

DUP — Duplicate Sample

VOCs — Volatile Organic Compounds

NA — Not analyzed

ND — Non-detect

NE — No exceedances

Parameter	NYSDEC AWQSGVs (g/L)
VOCs	
1,1,2-Trichloroethane	1
1,1-Dichloroethane	5
1,1-Dichloroethene	5
1,2-Dichloroethane	0.6
Acetone	50
Benzene	1
Bromomethane	5
Chloroethane	5
Chloromethane	5
Cis-1,2-Dichloroethylene	5
Dichloroethylenes	5
Methyl Ethyl Ketone (2-Butanone)	50
Methylene Chloride	5
Tetrachloroethylene (PCE)	5
Trans-1,2-Dichloroethene	5
Trichloroethylene (TCE)	5
Vinyl Chloride	2

CONCENTRATIONS IN µg/L

30' 0 30'

NOTES

CONSTRUCTION ACTIVITIES ONGOING ON SITE D.

Title:

VOCs DETECTED IN GROUNDWATER APRIL 2016 TO APRIL 2022

GROUNDWATER REMEDIATION PROGRESS REPORT

Prepared For:

PFIZER INC
BROOKLYN, NEW YORK

ROUX

Compiled by: J.M.	Date: 13JUN22	PLATE
Prepared by: B.H.C.	Scale: AS SHOWN	1
Project Mgr: J.M.	Project: 0047.0044Y047	
File: 0047.0044Y741.01.DWG		

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