

**Gowanus Canal Site
Vapor Intrusion/Indoor Air
Sampling Report for the 2023/2024
Heating Season
Site No. 224133
Brooklyn, New York
Volume 1**

August 2024

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List of Abbreviations and Acronyms

EDD	electronic data deliverable
DER	Division of Environmental Remediation
DUSR	Data Usability Summary Report
E & E	Ecology and Environment Engineering and Geology, P.C.
GC/MS	gas chromatography/mass spectrometry
LCS	laboratory control sample
MGP	manufactured gas plant
MS/MSD	matrix spike/matrix spike duplicate
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PAH	polynuclear aromatic hydrocarbon
PID	photoionization detector
SAP	Sampling and Analysis Plan
SVI	soil vapor intrusion
SVOC	semivolatile organic compound
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound

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Introduction

Pursuant to Work Assignment No. D009807-28, Ecology and Environment Engineering, P.C. (E & E) has prepared this soil vapor intrusion (SVI) sampling report on behalf of the New York State Department of Environmental Conservation (NYSDEC), Division of Environmental Remediation (DER), for services associated with the Gowanus Canal Site (Site No. 224133), located in Brooklyn, Kings County, New York (see Figure 1-1).

1.1 Purpose

The purpose of the SVI investigation described herein is to:

- Determine if pathways exist for contaminants in soil vapor to impact indoor air quality of buildings due to legacy contamination from former manufactured gas plants (MGPs) and commercial/industrial facilities located in the immediate vicinity of the Gowanus Canal,
- Establish whether contaminant concentrations in soil vapor and/or indoor air, if present, pose a risk to human health for building occupants; and
- Mitigate the exposure pathway in instances where sample results indicate a potential risk to human health for building occupants.

The work described herein generally involved sampling vapor from below the basement slab or lowest floor level of buildings (where possible), basement, and/or first-floor air (where appropriate), and outdoor air to determine and evaluate the possibility of vapor intrusion from the subsurface into building. The results of the investigation were reviewed by NYSDEC and the New York State Department of Health (NYSDOH). NYSDOH evaluated potential chemical exposure hazards, if any, to make building-specific recommendations to property owners.

1.2 Site Location and Background

The Gowanus Canal is an approximately 1.8-mile-long man-made navigational waterway in Brooklyn, Kings County, New York, and is a United States Environmental Protection Agency (USEPA) National Priorities List site. NYSDEC is the lead agency responsible for oversight of the investigation and remediation of approximately 49 upland environmental sites adjacent to both sides of the Gowanus Canal. Most of the sites are located within a heavily industrialized and developed area primarily covered with buildings and pavement.

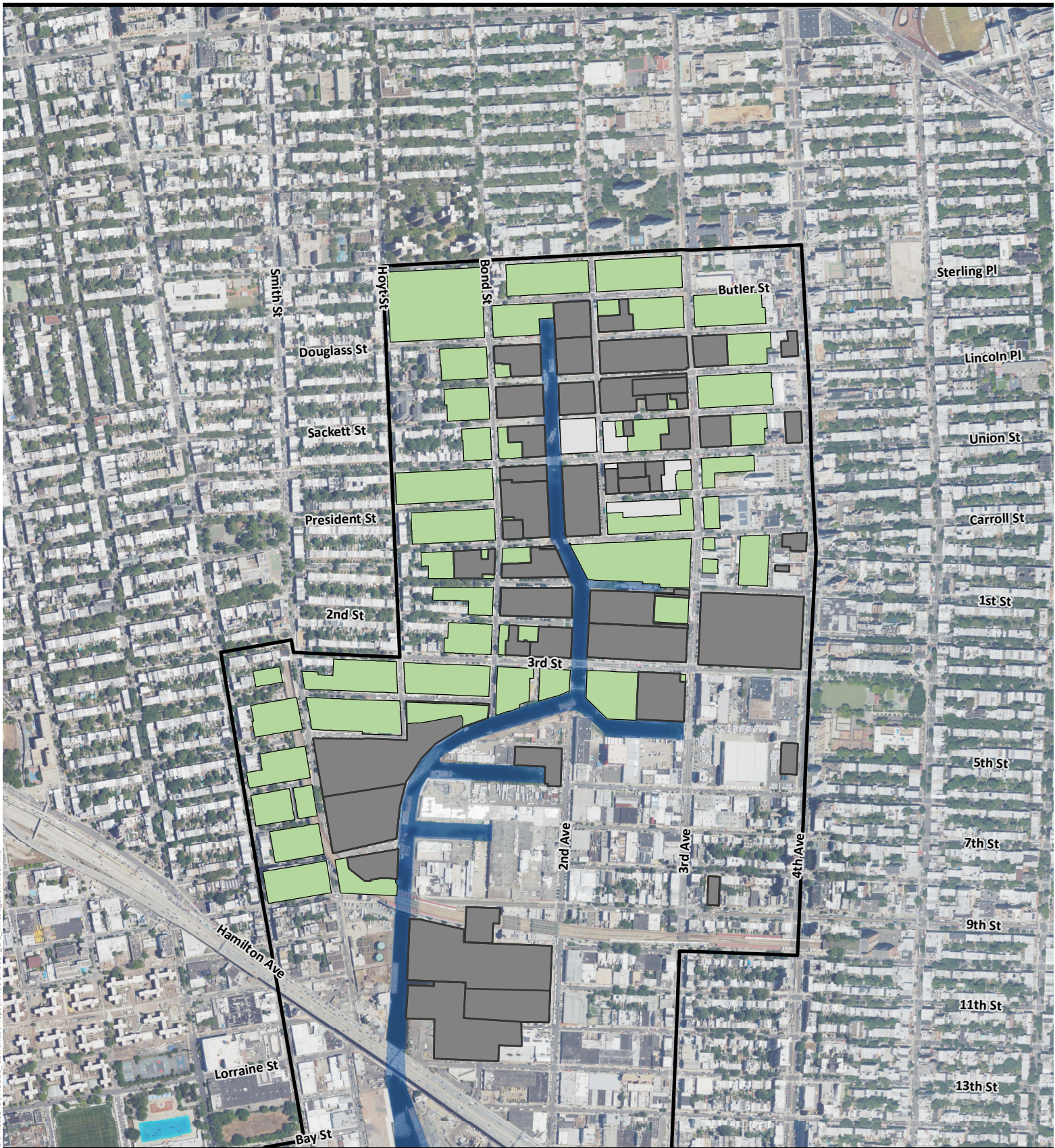
The neighborhood surrounding Gowanus Canal is a mix of industrial, commercial, and residential properties. Portions of the Gowanus Canal area have recently been rezoned and many residential buildings are in the process of being constructed.

Multiple MGP facilities operated in the Gowanus Canal area from the late 1860s until the 1920s. These facilities converted coal and petroleum products to gas that was used for heating, cooking, and lighting purposes. The process produced wastes including coal tar, an oily, viscous, dense liquid that does not readily mix with water. Coal tar waste contaminated subsurface soils and groundwater throughout much of the area surrounding the Gowanus Canal with a variety of volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and polynuclear aromatic hydrocarbons (PAHs).


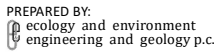
Other non-MGP sites (sites primarily in the Brownfield Cleanup Program) may also have contaminated subsurface soils and groundwater with various petroleum-related and chlorinated VOCs, SVOCs, PAHs, polychlorinated biphenyls, per- and polyfluoroalkyl substances, and metals.

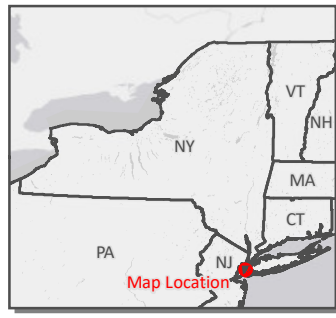
The locations of the MGP and non-MGP sites are shown in dark gray on Figure 1-1.

Overburden (soil above bedrock) in this area of Kings County is generally 150 to 200 feet thick, with three aquifer zones identified in the Upper Glacial Aquifer (shallow, intermediate, and deep), with tides potentially affecting the shallow and the intermediate zones. MGP contamination has been found up to 110 feet below ground surface and in all three aquifer zones.



L:\PROJECTS\NYSDEC_Gowanus\Maps\MXD\MapCA\Fig1-1_InvestigationArea.mxd


Department of Environmental Conservation
 PREPARED BY:

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 Sources: Kings County 2022, Esri 2021, NYSDEC 2022








-  Gowanus Canal
-  Gowanus Canal Area Wide Soil Vapor Intrusion (SVI) Boundary
-  NYSDEC Remediation Site Boundaries
-  Properties Solicited for Other Site Investigations
-  2023/2024 SVI Investigation Area

Figure 1-1
Gowanus Canal
SVI Investigation Area
2023/2024 Heating Season

Gowanus Canal Area
 Brooklyn, New York

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Soil Vapor Intrusion Sampling

2.1 Introduction

The 2023/2024 heating season SVI investigation was completed at 113 buildings in the Gowanus Canal area of Brooklyn (see Table 2-1). The study area was selected by NYSDEC and consisted primarily of residential buildings with some commercial operations. Sampling was conducted at buildings for which property owners and tenants volunteered and provided permission. E & E assisted NYSDEC in obtaining permission from property owners to complete the vapor intrusion sampling at various locations throughout the study area.

The 2023/2024 SVI investigation was performed in accordance with the approved Sampling and Analysis Plan (SAP) for the SVI study in the Gowanus Canal area of Brooklyn, NY (E & E 2023). Pre-sample inspections and sampling activities were also conducted in accordance with NYSDOH's Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH 2006 with updates) as presented in the SAP.

This SVI investigation was conducted in a staged approach, focused first on areas immediately surrounding sites in the northern half of the overall Gowanus Canal area-wide SVI study area where contamination is known or suspected to be present (see Figure 1-1). The results from the initial stage will be used to identify subsequent areas or stages of the Gowanus Canal area-wide SVI study based on the presence of indoor air impacts.

2.2 Pre-sample Planning and Community Participation

Before sampling, E & E assisted NYSDEC with various tasks related to notifying the public and finding volunteers from the community to participate in the sampling program. The following steps were taken to obtain volunteers:

- NYSDEC identified the study area for the 2023/2024 heating season in consultation with NYSDOH (see Figure 1-1).
- E & E used various online resources to compile addresses and owner information for the properties and buildings within the study area, utilizing real property tax information to find owner names and mailing addresses for property parcels within the study area.
- A letter was sent to property owners within the 2023/2024 study area. The letter described the sampling program, the process of collecting the samples,

2 Soil Vapor Intrusion Sampling

and requested that owners with an interest in participating in the study return a signed access permission form to NYSDEC. A total of 827 letters were mailed during the 2023/2024 heating season representing a total of 610 properties. In some cases, letters were mailed to the same owner at multiple addresses for a single property, and, in some cases, letters were mailed to multiple owners within the same property. The information package included a cover letter, a list of frequently asked questions and answers, a NYSDOH flyer regarding exposure, NYSDEC's September 2023 Community Update, a translation contact flyer, and an access permission form. An example of the mailed packages is provided in Appendix A.

- Two public-availability sessions were held in the Gowanus area to inform homeowners of various investigation and remediation activities being performed in the Gowanus area, including the SVI sampling program, and to answer their questions. The meetings were held on April 20, 2023, and October 3, 2023, at the auditorium of P.S. 372 located at 215 First Street, Brooklyn, New York.
- All attempted contacts with building owners and all responses were tracked, including those requesting or declining SVI sampling. Tracking included addresses of property owners and residents who had returned forms indicating they wanted to be included in the program, dates that owners were contacted by phone or email to schedule appointments for sampling, and the scheduled sampling dates. NYSDEC was periodically provided with an update including the addresses that had been scheduled.
- Teams of people were sent to the Gowanus area multiple times throughout the 2023/2024 heating season to go door-to-door in attempts to directly contact owners who had not replied to the mailings or otherwise responded. If property owners were not available, an SVI information package was left on a door hanger with a request for the owner to contact NYSDEC.

Property owners returned signed access agreement forms to NYSDEC representing a total of 142 buildings with 128 volunteering for sampling and 14 declining to be included in the study. Of the 128 positive responses, 113 buildings were sampled during the 2023/2024 heating season. The additional fifteen residences were not able to be sampled because of either a lack of response to phone calls to attempt to schedule a sampling date, or a determination based on discussions with the property owner that sampling needed to be delayed to the following heating season.

2.3 Pre-sampling Inspection

At the time of scheduling the sampling, the procedures for sampling were discussed in detail with each owner. This included removal of potential sources of indoor air contamination, sample types, sampling procedures, the schedule for canister deployment and pickup, dos and don'ts during the sampling period (see Appendix A). Basic building characteristics were also obtained from the owner including type, size, age, presence of a basement, floor and wall finishes to

estimate the number of sampling canisters and resulting appointment duration that would be required, and to determine any limitations that could affect sampling.

A building inspection and product inventory was conducted at each building immediately prior to sampling to identify conditions that may have affected or interfered with the proposed testing. The building inspection work involved interviewing the building owner or tenant regarding the construction of the building (e.g., type of structure, floor layout, and materials used), the physical condition of the building (e.g., age of heating system, cracks/holes in basement floors, and fire damage), and characteristics of people living in the building (e.g., number, ages, and number of smokers). The product inventory was designed to identify potential air sampling interference by characterizing the type and use of chemicals and products containing VOCs, keeping in mind the goal of the investigation and site-specific contaminants of concern. Household and construction products potentially containing VOCs on the air sampling analyte list were recorded, and a parts-per-billion photoionization detector (PID) was used to screen product storage and other areas of the building for potentially significant sources of VOCs. The pre-sampling inspection and product inventory work was conducted prior to placement of the sampling canisters, whenever possible, to allow for the removal of any products or chemicals stored indoors that could have affected evaluation of the analytical data.

The building inspections and product inventories were recorded on an electronic version of NYSDEC's *Indoor Air Quality Questionnaire and Building Inventory* form. Photographs of sampling locations, product inventories, and other building features were also collected. An example *Indoor Air Quality Questionnaire and Building Inventory* and field sample collection form are provided in Appendix B of this report.

2.4 Sampling Procedures

A storage unit was rented by E & E on Butler Street to store sampling equipment and sample canisters for the 2023/2024 SVI investigation. No SVI sampling was performed on Butler Street east of Third Avenue during the 2023/2024 heating season.

All sub-slab vapor, indoor air, and outdoor air samples were collected in specially prepared, evacuated stainless-steel canisters provided by the laboratory. The canisters were prepared in accordance with the analytical method TO-15 (USEPA 2014). Samples were collected in either 1-liter or 6-liter Summa canisters. All sample collection times were approximately 22 to 24 hours, and the laboratory-provided regulators were designed to maintain a consistent differential vacuum pressure and flow rate throughout the entire sampling period. The laboratory also provided pressure gauges with the regulators to check that appropriate vacuums existed at the start of the sampling and at the time of sample collection. All canisters were batch-certified clean by the laboratory prior to use.

All buildings were assigned a unique building identifier that did not include the building address to maintain the privacy of the owner to the extent practicable according to the convention identified in the SAP. Sub-codes were used to identify the type of sample collected at each building. For example, SV stands for sub-slab vapor samples; BA for indoor air, basement samples; FA for indoor air, first-floor samples; SA for indoor air, second-floor samples; and OA for outdoor air samples.

Each sample was assigned a unique sample identification number that was written on the canister ID tag, chain-of-custody form, and field data collection form. Photographs of the sampling locations were generally taken immediately after the sample canister was deployed to verify that the canister was not disturbed during collection.

2.4.1 Sub-slab Vapor

Sub-slab vapor samples were collected at 83 different buildings (see Table 2-1). Some buildings that were sampled did not have a sub-slab vapor sample collected due to one of the following reasons: vapor barrier in place below the slab, radiant floor heating throughout, water immediately below the slab, owner declination, or absence of a slab (i.e., dirt floor). Before each sample was prepared, a visual assessment of the condition of the floor was conducted. Whenever possible, the sample was generally located near the middle of the basement in an area that was out of the line of traffic and away from major cracks and other floor penetrations (e.g., sumps and pipes). Multiple sub-slab vapor samples were collected in instances where different slab conditions existed (e.g., various floor levels and separate slab installation) or where there was extensive square footage.

At each sampling location, a hammer drill (or similar) was used to drill the hole through the floor and a Vapor Pin device was installed in accordance with the manufacturer's instructions. Basement floor material, thickness, and any other notable conditions will be recorded in the field logbook and/or building questionnaire.

A water dam leak detection test was performed at each sub-slab vapor sampling location to evaluate the integrity of the sub-slab probe seal and ensure that the soil vapor samples were not diluted by indoor air. To perform this test, a PVC collar was sealed to the floor around the Vapor Pin using non-toxic, vegetable-based modeling clay; the soil vapor tubing connections were made; and the collar was filled with distilled water to a point above the Vapor Pin/sample tubing connection. The Vapor Pin/sample tubing was then purged and the water level inside the dam was monitored for changes in level. If the water level did not drop, the Vapor Pin seal through the floor was considered adequate. Once the test was completed and the seal passed the test, the PVC collar remained in place but the water from inside the PVC collar was removed, and the vapor point was set up for sample collection. If the seals did not pass the test, the tubing and/or Vapor Pin were removed, reset, and the setup was re-tested until an adequate seal was obtained.

After determining that the Vapor Pin was adequately sealed and testing materials were removed, a shut-in pressure check was performed. This involved creating a vacuum in the sample tubing between closed valves at the Vapor Pin to verify all tubing connections were leak-free. The vacuum was created in the tubing with a syringe, or equivalent, and the vacuum pressure was monitored for at least 1 minute using the canister regulator (canister valve remained off during the test). If the vacuum pressure within the system changed, all tubing connections were resealed and the test was repeated until successful.

After confirming a leak-free setup as described above, the sample canister valve was opened to verify the vacuum gauge pressure read -25 inches of mercury or less. The gauge pressure was observed for approximately the first minute of initial sampling and rechecked before the sampling technician left the site for the day to observe that the pressure did not significantly vary from the expected rate of 1 inch of change per hour. In situations where the pressure did not observably change or increased too rapidly, the sample collection was stopped, and sample collection was restarted using a new sample canister and new flow controller.

After the sample collection period of approximately 22 to 24 hours elapsed, the final gauge pressure was recorded, the flow control valve was closed, the regulator/gauge assembly was removed, and the labeled sample canister was shipped or couriered to the laboratory for analysis. The sample tubing and bentonite were removed and the hole was filled with hydraulic cement.

2.4.2 Indoor and Outdoor Air sampling

Air samples collected during the course of the study included basement air, first-floor air, and outdoor air. Indoor air samples were collected from all 113 buildings sampled during the 2023/2024 heating season (see Table 2-1). The sample canisters for all air samples were placed on a stable surface with the sample inlet set approximately 3 to 5 feet above the floor or ground surface. The basement air samples were generally located adjacent to the sub-slab sample location, when available. First-floor samples were located in frequently used rooms (i.e., primarily living rooms, dining rooms, and kitchens) but in a low-traffic area to prevent any disturbance by the homeowner or tenant. Outdoor air samples were placed off the ground and away from automobile traffic (back or side yards) whenever possible.

All air samples were set up similarly. The flow control valve/pressure gauge assembly was attached to a pre-cleaned and pre-evacuated Summa sample canister and the valve was opened. The sample canister and regulator numbers and starting gauge pressure were recorded for each location. In several instances, deployed sample canisters were identified by the sampling team as having been disturbed and were therefore not analyzed.

After the sample collection period of about 22 hours had elapsed, the final gauge pressure was recorded, the flow control valve was closed, the regulator/gauge

assembly was removed, and the labeled sample canister was shipped or couriered to the laboratory for analysis.

2.4.3 Indoor Water Sampling

Nine buildings sampled within the SVI study area had very shallow groundwater or standing water in their basement that prevented the collection of sub-slab vapor samples. In these cases or at the request of NYSDEC, a water sample was collected from basement water, sub-slab water, or water collection systems such as sumps for VOC and SVOC analysis. Sample bottles were filled directly, or a clean disposable syringe was used to collect the water sample. A total of 12 water samples were collected from the nine buildings (see Table 2-1).

2.4.4 Quality Control Samples

A total of 21 field duplicates were collected during this study. Field duplicates were collected at the rate of about one duplicate per 20 original samples (5%). Sub-slab duplicates were collected with a “T” connecting two duplicate sets of sample tubing and canisters connected to the Vapor Pin. Indoor air duplicates were collected from only basement and first-floor sample locations, with two canisters set up adjacent to one another.

2.5 Sample Analysis

Analysis was performed using USEPA Method TO-15 (*Determination of Volatile Organic Compounds [VOCs] in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry [GC/MS]*) for VOCs.

Due to the anticipated number of samples to be collected and turnaround time required for canister cleaning and preparation, four laboratories were used for analysis during the 2023/2024 heating season:

- Eurofins Environment Testing
- SanAir Technologies Laboratory d/b/a Centek Laboratories
- SGS North America
- York Analytical Laboratories

All of the laboratories used for this study are certified under NYSDOH’s Environmental Laboratory Accreditation Program. Laboratory reports were separated by property and provided as NYSDEC DER-10 Category B deliverables with electronic data deliverables (EDDs). Analytical results are summarized in the tables in Appendix C. Original laboratory reports are provided in Appendix D.

2.6 Data Validation

All laboratory deliverables were reviewed in accordance with E & E’s Quality Assurance Project Plan (E & E 2020) and NYSDEC’s reporting requirements described in NYSDEC DER-10 (NYSDEC 2010). The air and vapor data were reviewed and qualified following the guidelines in USEPA’s *Standard Operating*

2 Soil Vapor Intrusion Sampling

Procedure No. HW-31, Revision 6, Volatile Organic Compounds in Air Contained in Canisters by Method TO-15 (USEPA 2014). Water data were reviewed in and qualified following USEPA's Standard Operating Procedures for *Trace Volatile Data Validation* and *Semivolatile Data Validation* (USEPA 2013; 2015).

Data Usability Summary Reports (DUSRs) were prepared for each laboratory report (based on sample delivery group) as specified in NYSDEC's Guidance for Data Deliverables and the Development of Data Usability Summary Reports in Appendix 2B of NYSDEC DER-10 (NYSDEC 2010). EDDs provided by the laboratories were reviewed and updated by the data validation chemist and interpreted qualifiers were added to the results. Updates were made to ensure that NYSDEC valid values were used. The EDDs were compiled for submittal to NYSDEC in a NYSDEC-format EQuIS EDD.

Data review included an evaluation of the following:

- Holding times;
- Initial and continuing calibration;
- Reporting limits;
- Laboratory blanks;
- Laboratory control samples (LCSs);
- Field duplicates;
- Sample result verification; and
- Method-specific quality control samples (e.g., GC/MS tunes).

Details of the data review are provided in the DUSRs provided in Appendix E. In general, there were several results that were flagged as estimated or not detected due to issues such as detections in associated blank samples, poor LCS recovery, matrix interference (resulting in recovery outside of acceptance criteria for matrix spike/matrix spike (MS/MSD) duplicate and poor precision between MS and MSD samples), poor continuing calibration verification sample recoveries, and internal standard recoveries. Multiple samples were diluted to bring the concentrations of target analytes within the calibration range of the laboratory equipment and were marked as estimated; these dilutions did not affect the quality of the data and still met the required decision matrix limits. The method blank associated with locations GC054 and GC056 was reported as non-detect but the raw data associated with this method blank exhibited low-level contamination just below the reported method detection limit for one analyte. Associated sample detections were found to be just slightly above the method detection limit; therefore, using professional judgment, the samples were qualified as non-detect values.

Some non-detect results were rejected. In the water samples, up to 24 different volatile and semivolatile analytes in one or more of five samples had non-detect

results rejected due to either no LCS recovery, calibration relative response factors below the minimum acceptable levels, or low surrogate recoveries. In air and sub-slab vapor samples, three analytes, one of each in nine samples, had non-detect results rejected due to LCS recoveries below 50%. These rejected results included:

- Of the rejected non-detect results in water samples, none of the compounds, except 1,1,1-trichloroethane, appear on the NYSDOH SVI Decision Matrices and so were not used to evaluate the potential SVI pathway. Water sample results were used as a general indicator of the types of contaminants that may be present in the subsurface of locations where they were collected, and sub-slab vapor samples could not be collected. 1,1,1-Trichloroethane did not trigger a mitigation recommendation in any of the buildings tested and as such is not expected to be a contaminant of concern.
- Non-detect values for vinyl chloride in air samples at GC015 were rejected. Other chlorinated solvent concentrations were evaluated and were relatively low and vinyl chloride did not trigger a mitigation recommendation in any of the other buildings tested; therefore, vinyl chloride is not expected to be a compound of concern at this building.
- Non-detect values for 1,3-butadiene in sub-slab vapor at GC005 were rejected. This analyte is not included in the NYSDOH SVI Decision Matrices.
- Non-detect values for 1,2,4-trichlorobenzene in three samples each at GC099 and GC104 were rejected. This analyte is not included in the NYSDOH SVI Decision Matrices.

Details related to the validation of these results are provided in the DUSRs in Appendix E. Overall, there were no significant signs of impacts affecting the usability of the data for the intended purposes.

**Table 2-1 Soil Vapor Intrusion Sample Collection Summary
2023-2024 Heating Season,
Gowanus Canal, Brooklyn, New York**

Building Identifier	Indoor Air	Sub-slab Vapor	Water
GC001	✓	✓	--
GC003	✓	✓	--
GC004	✓	✓	--
GC005	✓	✓	--
GC006	✓	✓	--
GC007	✓	--	--
GC008	✓	✓	--
GC012	✓	--	--
GC013	✓	✓	--
GC015	✓	--	--
GC016	✓	✓	--
GC018	✓	✓	✓
GC020	✓	✓	--
GC022	✓	--	--
GC023	✓	✓	--
GC024	✓	✓	--
GC025	✓	--	--
GC027	✓	✓	--
GC028	✓	✓	--
GC029	✓	--	--
GC030	✓	✓	--
GC031	✓	✓	--
GC032	✓	✓	--
GC033	✓	✓	--
GC034	✓	--	--
GC035	✓	✓	✓
GC037	✓	--	--
GC038	✓	✓	--
GC039	✓	✓	--
GC041	✓	✓	--
GC042	✓	✓	--
GC043	✓	✓	--
GC044	✓	✓	--
GC045	✓	✓	--
GC046	✓	✓	--
GC047	✓	--	--
GC048	✓	✓	✓
GC049	✓	✓	--
GC050	✓	--	✓
GC052	✓	--	--

Key at end of table.

**Table 2-1 Soil Vapor Intrusion Sample Collection Summary
2023-2024 Heating Season,
Gowanus Canal, Brooklyn, New York**

Building Identifier	Indoor Air	Sub-slab Vapor	Water
GC053	✓	✓	--
GC054	✓	✓	--
GC056	✓	--	--
GC057	✓	--	--
GC058	✓	✓	--
GC059	✓	✓	--
GC060	✓	✓	--
GC061	✓	✓	--
GC062	✓	✓	--
GC063	✓	✓	--
GC064	✓	✓	--
GC065	✓	--	--
GC066	✓	✓	--
GC067	✓	--	--
GC069	✓	✓	--
GC070	✓	✓	--
GC071	✓	--	--
GC072	✓	✓	--
GC074	✓	✓	--
GC075	✓	✓	--
GC076	✓	✓	--
GC077	✓	✓	--
GC078	✓	✓	--
GC079	✓	--	--
GC080	✓	--	--
GC081	✓	✓	--
GC082	✓	✓	--
GC084	✓	✓	--
GC085	✓	✓	--
GC086	✓	✓	--
GC087	✓	--	--
GC088	✓	✓	--
GC089	✓	✓	--
GC090	✓	✓	--
GC092	✓	✓	--
GC093	✓	--	--
GC094	✓	✓	--
GC095	✓	✓	--
GC096	✓	✓	--
GC097	✓	✓	--

Key at end of table.

**Table 2-1 Soil Vapor Intrusion Sample Collection Summary
2023-2024 Heating Season,
Gowanus Canal, Brooklyn, New York**

Building Identifier	Indoor Air	Sub-slab Vapor	Water
GC098	✓	✓	--
GC099	✓	✓	--
GC102	✓	--	--
GC103	✓	✓	--
GC104	✓	✓	--
GC106	✓	✓	--
GC107	✓	--	--
GC108	✓	✓	--
GC110	✓	✓	✓
GC111	✓	✓	✓
GC112	✓	✓	✓
GC112a	✓	✓	✓
GC113	✓	✓	--
GC115	✓	--	--
GC116	✓	✓	--
GC117	✓	✓	--
GC119	✓	✓	--
GC120	✓	✓	--
GC121	✓	✓	--
GC122	✓	✓	--
GC123	✓	✓	--
GC124	✓	✓	--
GC125	✓	✓	--
GC126	✓	--	--
GC127	✓	--	--
GC128	✓	--	--
GC129	✓	✓	--
GC130	✓	--	✓
GC131	✓	--	--
GC133	✓	--	--
GC134	✓	--	--
GC135	✓	✓	--
GC137	✓	✓	--

Key:

- ✓ Sample type collected
- Sample type not collected

3

Analytical Results

The vapor intrusion study analytical results for all 113 buildings are provided in Appendix C.

Analytical results were screened against NYSDOH's Soil Vapor/Indoor Air Decision Matrices (NYSDOH 2006 with updates). NYSDOH performed a comprehensive evaluation of the building information and analytical results for each property, including the matrices screening, magnitude of the results, the relative concentrations by location, building construction factors, potential indoor air contaminant sources, and other factors to determine whether mitigation of potential vapor intrusion was warranted.

A total of 19 chlorinated and petroleum-related VOCs on these matrices were included in the laboratory reporting and evaluation. One analyte, isooctane (2,2,4-trimethylpentane) was not on the initial laboratory reporting list that was used starting in November 2023. It was added to NYSDOH's decision matrices in February 2024 and will be added during the next heating season's analyte reporting list.

3.1 SVI Sample Location Sections

Sections solicited for SVI investigation during the 2023/2024 season are shown on Figure 3-1. NYSDEC remediation site boundaries are shown in dark gray and the properties solicited separately as part of other site investigations are shown in light gray on Figure 3-1. These sites and investigation areas were not included as part of this Gowanus Canal area-wide SVI study. The Gowanus Canal area-wide SVI study area was divided into seven geographic sections. Within each section, parcels that were not applicable to SVI sampling were identified. These included parcels with no buildings or unoccupied buildings under construction at the time of the investigation. A summary of the status of these seven sections is provided below.

3.1.1 Section A

In section A, shown in yellow on Figure 3-1, a total of 114 parcels were solicited for sampling. Access was granted at a total of 27 buildings and sampling was successfully completed at 25. Access to two buildings could not be arranged with the property owners during the 2023/2024 heating season and will be addressed during the 2024/2025 heating season. NYSDOH's evaluation of the sampling results indicated that no further action is required at 22 buildings and mitigation is

recommended at three buildings. NYSDEC also received formal declinations for sampling from the owners of three buildings.

3.1.2 Section B

In section B, shown in fuschia (pink) on Figure 3-1, a total of 143 parcels were solicited for sampling. Access was granted at a total of 37 buildings and sampling was successfully completed at 32. Access to five buildings could not be arranged with the property owners during the 2023/2024 heating season and will be addressed during the 2024/2025 heating season. NYSDOH's evaluation of the sampling results indicated that no further action is required at 29 buildings and mitigation is recommended at three buildings. NYSDEC also received formal declinations for sampling from the owners of two buildings.

3.1.3 Section C

In section C, shown in green on Figure 3-1, a total of 96 parcels were solicited for sampling. Access was granted at a total of 19 buildings and sampling was successfully completed at 18. Access to one building could not be arranged with the property owner during the 2023/2024 heating season and will be addressed during the 2024/2025 heating season. NYSDOH's evaluation of the sampling results indicated that no further action is required at 18 buildings and mitigation is not recommended at any buildings. NYSDEC also received a formal declination for sampling from the owner of one building.

3.1.4 Section D

In section D, shown in dark blue on Figure 3-1, a total of 86 parcels were solicited for sampling. Access was granted at a total of 22 buildings and sampling was successfully completed at 18. Access to four buildings could not be arranged with the property owners during the 2023/2024 heating season and will be addressed during the 2024/2025 heating season. NYSDOH's evaluation of the sampling results indicated that no further action is required at 12 buildings and mitigation is recommended at six buildings. NYSDEC also received formal declinations for sampling from the owners of two buildings.

3.1.5 Section E

In Section E, shown in purple/violet on Figure 3-1, a total of 55 parcels were solicited for sampling. Access was granted at a total of five buildings and sampling was successfully completed at four. Access to one building could not be arranged with the property owner during the 2023/2024 heating season and will be addressed during the 2024/2025 heating season. NYSDOH's evaluation of the sampling results indicated that no further action is required at two buildings and mitigation is recommended at two buildings. NYSDEC also received a formal declination for sampling from the owner of one building.

3.1.6 Section F

In Section F, shown in orange on Figure 3-1, a total of 87 parcels were solicited for sampling. Access was granted at a total of 12 buildings and sampling was successfully completed at 11. Access to one building could not be arranged with

the property owner during the 2023/2024 heating season and will be addressed during the 2024/2025 heating season. NYSDOH's evaluation of the sampling results indicated that no further action is required at 10 buildings and mitigation is not recommended at any building. Continued monitoring (sampling on a recurring basis) is recommended at one building where mitigation is not required to determine whether concentrations change and/or evaluate temporal influences. NYSDEC also received formal declinations for sampling from owners of five buildings.

3.1.7 Section G

In section G, shown in light blue on Figure 3-1, a total of 29 parcels were solicited for sampling. Access was granted at a total of six buildings and sampling was successfully completed at five. Access to one building could not be arranged with the property owner during the 2023/2024 heating season and will be addressed during the 2024/2025 heating season. NYSDOH's evaluation of the sampling results indicated that no further action is required at four buildings and mitigation is recommended at one building. NYSDEC did not receive any formal declinations for sampling.

3.2 SVI Mitigation

Based on the results of the investigation performed during the 2023/2024 heating season, NYSDOH recommended mitigation at 15 buildings, see Table 3-1. Table 3-1 shows the 15 buildings where mitigation is recommended, the specific analytes on the NYSDOH SVI Decision Matrices, and their resulting evaluation results.

Mitigation was recommended at two buildings due to petroleum-related VOCs; one building due to a combination of petroleum and chlorinated VOCs; and 12 due to chlorinated VOCs only. SVI mitigation has been offered to each building owner and is voluntary. Where accepted, NYSDEC and their consultants are in the process of designing, permitting, and preparing to install mitigation systems.

Buildings in which mitigation is recommended are identified in localized areas scattered throughout the study area and are not ubiquitous. The majority of buildings where mitigation is recommended resulted from the presence of chlorinated VOCs, which are typically not associated with legacy contamination from former MGPs sites. Where warranted, NYSDEC will expand the SVI study area during the 2024/2025 heating season to determine the extent of the SVI in these areas. This includes offering sampling at additional parcels in areas surrounding buildings where mitigation is recommended, and will include areas outside the Gowanus Canal area-wide SVI boundary as necessary.

Table 3-1 Gowanus Canal Area-wide SVI Building Mitigation Summary
2023/2024 Heating Season, Brooklyn, New York

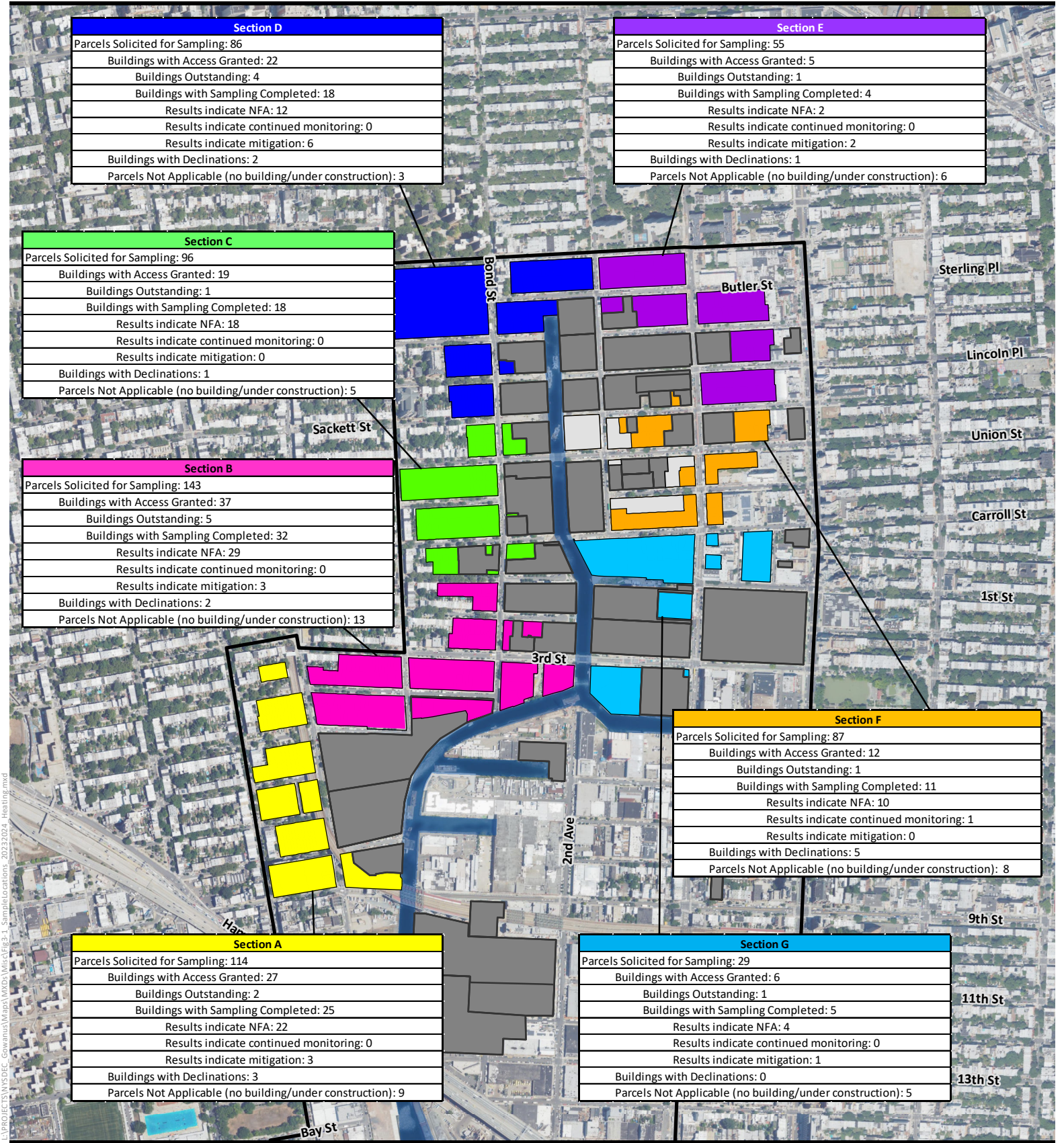
Structure ID ¹	1,1,1-Trichloroethane (TCA)	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene (Mesitylene)	Benzene	Carbon Tetrachloride	Cis-1,2-Dichloroethylene	Cyclohexane	Ethylbenzene	m,p-Xylene	Methylene Chloride	Naphthalene	N-Heptane	N-Hexane	O-Xylene (1,2-Dimethylbenzene)	Tetrachloroethylene (PCE)	Toluene	Trichloroethylene (TCE)	Vinyl Chloride	
GC005	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	ID	NFA	NFA	NFA	NFA	NFA	NFA	NFA	Mitigate	Monitor
GC006	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	Mitigate	NFA
GC008	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	Mitigate	NFA
GC016	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	Mitigate	NFA
GC024	NFA	NFA ²	NFA	NFA	NFA	NFA ²	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	Mitigate	NFA	Mitigate	NFA ²	NFA
GC041	NFA	NFA	NFA	NFA	NFA	NFA	Mitigate	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	Mitigate	NFA	Mitigate	Mitigate	NFA
GC076	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	Mitigate	NFA
GC095	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	Mitigate	NFA
GC108	NFA	NFA	NFA	NFA	NFA	Mitigate	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	Mitigate	NFA
GC112a	NFA	NFA ²	Mitigate	NFA	NFA	NFA ²	NFA	NFA	Mitigate	Mitigate	NFA	NFA	NFA	NFA	Mitigate	NFA	NFA	NFA	NFA	NFA ²
GC119	NFA	NFA	ID	ID	NFA	NFA	NFA	NFA	NFA	NFA	ID	NFA	NFA	NFA	NFA	NFA	NFA	NFA	Mitigate	NFA
GC120	NFA	NFA	Mitigate	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	Mitigate	NFA	Monitor	Monitor	NFA
GC121	NFA	NFA	ID	ID	NFA	NFA	NFA	Mitigate	NFA	ID	NFA	NFA	NFA	NFA	ID	Mitigate	Monitor	ID	NFA	NFA
GC122	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	NFA	Mitigate	Mitigate	NFA	NFA	NFA
GC137	NFA	NFA	Monitor	NFA	Mitigate	NFA	NFA	NFA	Monitor	Mitigate	NFA	NFA	NFA	NFA	Mitigate	NFA	Mitigate	NFA	NFA	Monitor

Notes:

- Analytical results for all analytes tested are provided in the tables in Appendix C.
- Detection limit for this analyte is elevated related to values on the NYSDOH SVI Decision Matrix; however, structure recommended for mitigation based on other analytes.

Key:

NFA	No Further Action
ID	Identify source(s) and resample or mitigate
Monitor	Sample on a recurring basis
Mitigate	Install Soil Vapor Intrusion mitigation system



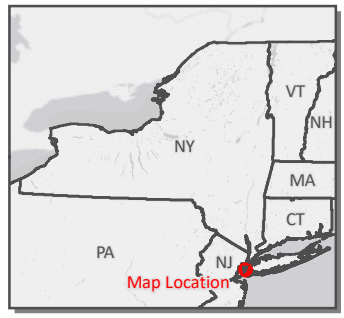
L:\PROJECTS\NYSDEC_Gowanus\Maps\MXD\MapCA\Fig-1_SampleLocations_2023\2024_Heating.mxd

Department of Environmental Conservation

PREPARED BY:
ecology and environment
engineering and geology p.c.

0 500 1,000
Feet

Sources: Kings County 2022, Esri 2021, NYSDEC 2022



- Gowanus Canal
- Gowanus Canal Area Wide Soil Vapor Intrusion (SVI) Boundary
- NYSDEC Remediation Site Boundaries
- Properties Solicited for Other Site Investigations

Figure 3-1
Gowanus Canal
Sample Location Areas
2023/2024 Heating Season

Gowanus Canal Area
Brooklyn, New York

4

References

Ecology and Environment Engineering and Geology, P.C. (E & E). 2023. *2023-2024 Soil Vapor Intrusion Investigation Sampling and Analysis Plan, Gowanus Canal Site, Site No. 224133, Brooklyn, New York*. October.

_____. 2020. *Master Quality Assurance Project Plan (QAPP) for New York State Department of Environmental Conservation Projects*, May 2020.

New York State Department of Environmental Conservation (NYSDEC). 2010. *DER-10, Technical Guidance for Site Investigation and Remediation*, May 2010.

New York State Department of Health (NYSDOH). 2006. *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, with updates.

U.S. Environmental Protection Agency (USEPA). 2015. *SOP No. HW-35A Revision 0, Semivolatile Data Validation*, Hazardous Waste Support Section, USEPA Region 2.

_____. 2014. *Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15*, Hazardous Waste Support Section, SOP No. HW-31, Revision 6, USEPA Region 2.

_____. 2013. *SOP No. HW-34 Revision 3, Trace Volatile Data Validation*, Hazardous Waste Support Section, USEPA Region 2.

A

**Example Sampling Program Letter
Package**

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau B

625 Broadway, 12th Floor, Albany, NY 12233-7016

P: (518) 402-9767 | F: (518) 402-9773

www.dec.ny.gov

<<Date>>

«owner_name»

«mail_address»

«mail_city», «mail_state» «mail_zip»

Property ID: «parcelnumb»

Re: Gowanus Canal Areawide Soil Vapor Intrusion (SVI) Sampling

Gowanus Canal off-site

Gowanus Area of Brooklyn, NY

Site No: 224133A

Dear Property Owner:

The New York State Department of Environmental Conservation (DEC) is investigating known or potential environmental contamination at many former industrial sites in the Gowanus Canal area of Brooklyn (Kings County) New York. DEC, in consultation with the New York State Department of Health (DOH), requests permission from you to collect air samples from beneath and inside the residence or business located at «**parcel_address**». The goal of the sampling is to evaluate whether the contamination in the area has affected the indoor air of the buildings in your neighborhood. The migration process is called “soil vapor intrusion” or SVI.

The proposed air sampling will include collection of one (or more) samples from beneath the building footprint, from the basement or lowest occupied floor, and from outdoor air (ambient air sample). Sampling will be performed during the upcoming winter heating season by a qualified environmental contractor hired by the DEC. Sampling personnel and support staff will be required to provide you with proper identification before entering your property. Please note that the State will pay for the cost of the sampling to be conducted at your property/residence; there will be no cost to you.

After the sampling and analysis is complete, the DOH will contact you by phone to explain your results. You will be provided with a letter and copy of the sampling results for your records. The letter may also include an offer to install a vapor mitigation system, if one is warranted, at no cost to you. If sampling results exceed applicable DOH or Occupational Safety and Health Administration (OSHA) guidelines, the sampling results must be provided by you to all occupants and/or tenants of the buildings.



Department of
Environmental
Conservation

Enclosed is an information sheet on Exposure and a Soil Vapor Intrusion Frequently Asked Questions fact sheet prepared by DOH. A community update fact sheet summarizing soil vapor intrusion investigations in the Gowanus Canal Area is also included.

DEC has retained an environmental contractor, WSP USA, to conduct soil vapor intrusion sampling in your area. Please contact me by phone at 518-598-7799 or email at Aaron.Fischer@dec.ny.gov to make an appointment for us to visit your property and sample. Additionally, please complete and return the enclosed "*Property Owner Acknowledgment/Consent Form*". If you have any health-related questions, please contact Daniel Tucholski of NYSDOH at 518-402-7860 or email at Daniel.Tucholski@health.ny.gov.

Please note, DEC cannot conduct a complete SVI investigation without property owner permission. However, DEC may conduct a partial SVI investigation consisting of indoor air samples only with the permission of building tenants and will proceed requesting such an investigation from building tenants if property owner permission is not obtained for a full SVI investigation of your building. Several members of the community have indicated a desire to have their indoor air testing in the Gowanus Canal area, and we encourage you to discuss these issues with your tenants and consent to this sampling. If you do not own the building, please pass this letter along to the owner and ask the owner to contact me. Thank you in advance for your anticipated cooperation.

Sincerely,



Aaron Fischer
Project Manager

Enclosures

1. Property Owner Acknowledgment/Consent Form
2. What is Exposure? Information Sheet, that describes how people can be exposed to chemicals
3. Soil Vapor Intrusion: Frequently Asked Questions Sheet, which describes the process referred to as "soil vapor intrusion"
4. Gowanus Canal Area Community Update
5. Translation contact flyer

ec: Heidi Dudek, DEC
Scott Deyette, DEC
Scarlett McLaughlin, DOH
Dan Tucholski, DOH

New York State Department Environmental Conservation

Property Owner Acknowledgment/Consent Form

I _____ hereby

Print Name

acknowledge and consent to

decline

the Department's right of entry for purposes of soil vapor intrusion sampling activities associated with the Gowanus Canal Area soil vapor intrusion study onto the premises described below. I furthermore acknowledge that I am the property owner or authorized signatory for the property identified below:

Tax Map ID # _____

Property Address _____

Relationship to property/owner: _____

Signature _____

Date _____

Email Address _____

Daytime Phone Number _____

Use/Disclosure of Data: The Department may conduct sampling at or near the premises to inform its investigation/remediation of the site referenced herein. Sampling data obtained by the Department is subject to disclosure under the New York State Freedom of Information Law (Article 6 of the Public Officers Law). Please note that any identifying information related to sampling from the premises, including names, addresses/unit number, and personal emails/phone numbers, will not be disclosed by the Department.



Exposure

What is Exposure?

Exposure is contact. No matter how dangerous a substance or activity, without exposure, it cannot harm you.

Amount of Exposure

Over 400 years ago, a scientist said "...nothing [is] without poisonous qualities. It is only the dose that makes a thing poison." The **dose** is the amount of a substance that enters or contacts a person. An important factor to consider in evaluating a dose is body weight. If a child is exposed to the same amount of chemical as an adult, the child (who weighs less) can be affected more than the adult. For example, children are given smaller amounts of aspirin than adults because an adult dose is too large for a child's body weight.

The greater the amount of a substance a person is exposed to, the more likely that health effects will occur. Large amounts of a relatively harmless substance can be toxic. For example, two aspirin tablets can help to relieve a headache, but taking an entire bottle of aspirin can cause stomach pain, nausea, vomiting, headache, convulsions or death.

Routes of Exposure

There are three major means by which a toxic substance can come into contact with or enter the body. These are called routes of exposure.

Inhalation (breathing) of gases, vapors, dusts or mists is a common route of exposure. Chemicals can enter and irritate the nose, air passages and lungs. They can become deposited in the airways or be absorbed through the lungs into the bloodstream. The blood can then carry these substances to the rest of the body.

Direct contact (touching) with the skin or eyes is also a route of exposure. Some substances are absorbed through the skin and enter the bloodstream. Broken, cut or cracked skin will allow substances to enter the body more easily.

Ingestion (swallowing) of food, drink, or other substances is another route of exposure. Chemicals that get in or on food, cigarettes, utensils or hands can be swallowed. Children are at greater risk of ingesting substances found in dust or soil because they often put their fingers or other objects in their mouths. Lead in paint chips is a good example. Substances can be absorbed into the blood and then transported to the rest of the body.

The route of exposure can determine whether or not the toxic substance has an effect. For example, breathing or swallowing lead can result in health effects, but touching lead is not usually harmful because lead is not absorbed particularly well through the skin.

Length of Exposure

Short-term exposure is called **acute exposure**. Long-term exposure is called **chronic exposure**. Either may cause health effects.

Acute exposure is a short contact with a chemical. It may last a few seconds or a few hours. For example, it might take a few minutes to clean windows with ammonia, use nail polish remover or spray a can of paint. The fumes someone might inhale during these activities are examples of acute exposures.

Chronic exposure is continuous or repeated contact with a toxic substance over a long period of time (months or years). If a chemical is used every day on the job, the exposure would be chronic. Over time, some chemicals, such as PCBs and lead, can build up in the body.

Chronic exposures can also occur at home. Some chemicals in household furniture, carpeting or cleaners can be sources of chronic exposure.

Sensitivity

All people are not equally **sensitive** to chemicals, and are not affected by them in the same way. There are many reasons for this.

- People's bodies vary in their ability to absorb and break down or eliminate certain chemicals due to **genetic differences**.
- People may become **allergic** to a chemical after being exposed. Then they may react to very low levels of the chemical and have different or more serious health effects than nonallergic people exposed to the same amount. People who are allergic to bee venom, for example, have a more serious reaction to a bee sting than people who are not.
- Factors such as **age, illness, diet, alcohol use, pregnancy and medical or nonmedical drug use** can also affect a person's sensitivity to a chemical. Young children are often more sensitive to chemicals for a number of reasons. Their bodies are still developing and they cannot get rid of some chemicals as well as adults. Also, children absorb greater amounts of some chemicals (such as lead) into their blood than adults.

For more information

*Center for Environmental Health
New York State Department of Health
www.health.ny.gov*

518-402-7530 or 800-458-1158



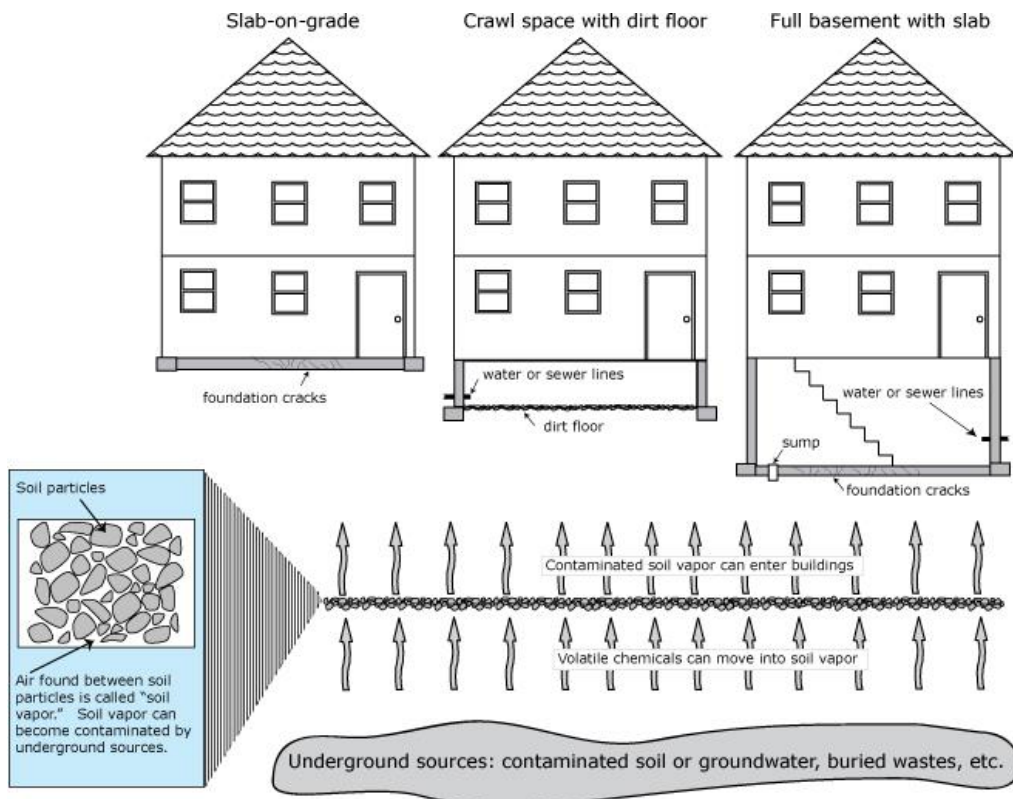
What is soil vapor intrusion?

The phrase "soil vapor intrusion" refers to the process by which volatile chemicals move from a subsurface source into the indoor air of overlying buildings.

Soil vapor, or soil gas, is the air found in the pore spaces between soil particles. Because of a difference in pressure, soil vapor enters buildings through cracks in slabs or basement floors and walls, and through openings around sump pumps or where pipes and electrical wires go through the foundation. Heating, ventilation or air-conditioning systems may create a negative pressure that can draw soil vapor into the building. This intrusion is similar to how radon gas seeps into buildings.

Soil vapor can become contaminated when chemicals evaporate from subsurface sources and enter the soil vapor. Chemicals that readily evaporate are called "volatile chemicals." Volatile chemicals include volatile organic compounds (VOCs). Subsurface sources of volatile chemicals may include contaminated soil and groundwater, or buried wastes. If soil vapor is contaminated, and enters a building as described above, indoor air quality may be affected.

When contaminated vapors are present in the zone directly next to or under the foundation of the building, soil vapor intrusion is possible. Soil vapor can enter a building whether it is old or new, or whether it has a basement, a crawl space, or is on a slab (as illustrated in the figure).



How am I exposed to chemicals through soil vapor intrusion?

Humans can be exposed to soil vapor contaminated with volatile chemicals when vapors from beneath a building are drawn through cracks and openings in the foundation and mix with the indoor air. Inhalation is the route of exposure, or the manner in which the volatile chemicals actually enter the body, once in the indoor air.

Current exposures are when soil vapor intrusion is documented in an occupied building. *Potential* exposures are when volatile chemicals are present, or are accumulating, in the vapor phase beneath a building, but have not affected indoor air quality. Potential exposures also exist when there is a chance that contaminated soil vapors may move to existing buildings not currently affected or when there is a chance that new buildings can be built over existing subsurface vapor contamination. Both current and potential exposures are considered when evaluating soil vapor intrusion at a site that has documented subsurface sources of volatile chemicals.

In general, exposure to a volatile chemical does not necessarily mean that health effects will occur. Whether or not a person experiences health effects depends on several factors, including inhalation exposure, the length of exposure (short-term or acute versus long-term or chronic), the frequency of exposure, the toxicity of the volatile chemical, and the individual's sensitivity to the chemical.

What types of chemicals associated with environmental contamination may be entering my home via soil vapor intrusion?

Volatile organic compounds, or VOCs, are the most likely group of chemicals found in soil vapor, and which can move through the soil and enter buildings. Solvents used for dry cleaning, degreasing and other industrial purposes (e.g., tetrachloroethene, trichloroethene, 1,1,1-trichloroethane and Freon 113) are examples of VOCs. Examples of petroleum-related VOCs from petroleum spills are benzene, toluene, ethyl benzene, xylenes, styrene, hexane and trimethylbenzenes.

Is contaminated soil vapor the only source of volatile chemicals in my indoor air?

No. Volatile chemicals are also found in many household products. Paints, paint strippers and thinners, mineral spirits, glues, solvents, cigarette smoke, aerosol sprays, mothballs, air fresheners, new carpeting or furniture, hobby supplies, lubricants, stored fuels, refrigerants and recently dry-cleaned clothing all contain VOCs. Household products are often more of a source of VOCs in indoor air in homes than contaminated soil vapor.

Indoor air may also become affected when outdoor air containing volatile chemicals enters your home. Volatile chemicals are present in outdoor air due to their widespread use. Gasoline stations, dry cleaners, and other commercial/industrial facilities are important sources of VOCs to outdoor air.

What should I expect if soil vapor intrusion is a concern near my home?

If you live near a site that has documented soil, groundwater and/or soil vapor contaminated with volatile chemicals, you should expect that the potential for soil vapor intrusion is being, or has been, investigated. You may be contacted by the site owner or others working on the cleanup with information about the project. Your cooperation and consent would be requested before any testing/sampling would be done on your property. You may ask the person contacting you any questions about the work being done. You can also contact the NYSDOH's project manager for the site at (518) 402-7880 or 1-800-458-1158 for additional information.

How is soil vapor intrusion investigated at sites contaminated with volatile chemicals?

The process of investigating soil vapor intrusion typically requires more than one set of samples to determine the extent of vapor contamination. Furthermore, four types of environmental samples are collected: soil vapor samples, sub-slab vapor samples, indoor air samples and outdoor air (sometimes referred to as "ambient air") samples.

Soil vapor samples are collected to characterize the nature and extent of vapor contamination in the soil in a given area. They are often collected before sub-slab vapor and/or indoor air samples to help identify buildings or groups of buildings that need to be sampled. Soil vapor samples are used to determine the *potential* for human exposures. *Soil vapor* samples are not the same as *soil* samples.

Sub-slab vapor samples are collected to characterize the nature and extent of vapor contamination in the soil immediately beneath a building with basement foundations or a slab. Sub-slab vapor results are used to determine the potential for *current* and *future* human exposures. For example, an exposure could occur in the future if cracks develop in the building's foundation or changes in the operation of the building's heating, ventilation or air-conditioning system are made that make the movement of contaminated soil vapor into the building possible.

Indoor air samples are collected to characterize the nature and extent of air contamination within a building. Indoor air sample results help to evaluate whether there are *current* human exposures. They are also compared to sub-slab vapor and outdoor air results to help determine where volatile chemicals may be coming from (indoor sources, outdoor sources, and/or beneath the building).

Outdoor air samples are collected to characterize site-specific background air conditions. Outdoor air results are used to evaluate the extent to which outdoor sources, such as automobiles, lawn mowers, oil storage tanks, gasoline stations, commercial/industrial facilities, and so forth, may be affecting indoor air quality.

What should I expect if indoor air samples are collected in my home?

You should expect the following:

- Indoor air samples are generally collected from the lowest-level space in a building, typically a basement, during the heating season. Indoor air samples may also be collected from the first floor of living space. Indoor air is believed to represent the greatest exposure potential with respect to soil vapor intrusion.
- Sub-slab vapor and outdoor air samples are usually collected at the same time as indoor air samples to help determine where volatile chemicals may be coming from (indoor sources, outdoor sources, and/or beneath the building).
- More limited sampling may be performed outside of the heating season. For example, sub-slab vapor samples without indoor air or outdoor air samples may be collected to identify buildings and areas where comprehensive sampling is needed during the heating season.
- An indoor air quality questionnaire and building inventory will be completed. The questionnaire includes a summary of the building's construction characteristics; the building's heating, ventilation and air-conditioning system operations; and potential indoor and outdoor sources of volatile chemicals. The building inventory describes products present in the building that might contain volatile chemicals. In addition, we take monitoring readings from a real-time organic vapor meter (also known as a photoionization detector or PID). The PID is an instrument that detects many VOCs in the air. When indoor air samples are collected, the

PID is used to help determine whether products containing VOCs might be contributing to levels that are detected in the indoor air.

What happens if soil vapor contamination or soil vapor intrusion is identified during investigation of a site?

Depending on the investigation results, additional sampling, monitoring or mitigation actions may be recommended. Additional sampling may be performed to determine the extent of soil vapor contamination and to verify questionable results. Monitoring (sampling on a recurring basis) is typically conducted if there is a significant potential for soil vapor intrusion to occur should building conditions change. Mitigation steps are taken to minimize exposures associated with soil vapor intrusion. Mitigation may include sealing cracks in the building's foundation, adjusting the building's heating, ventilation and air-conditioning system to maintain a positive pressure to prevent infiltration of subsurface vapors, or installing a sub-slab depressurization system beneath the building.

What is a sub-slab depressurization system?

A sub-slab depressurization system, much like a radon mitigation system, essentially prevents vapors beneath a slab from entering a building. A low amount of suction is applied below the foundation of the building and the vapors are vented to the outside (see illustration). The system uses minimal electricity and should not noticeably affect heating and cooling efficiency. This mitigation system also essentially prevents radon from entering a building, an added health benefit. The party responsible for cleaning up the source of the soil vapor contamination is usually responsible for paying for the installation of this system. If no responsible party is available, New York State will install the system. Once the contamination is cleaned up, the system should no longer be needed. In areas where radon is a problem, the NYSDOH recommends that these systems remain in place permanently.

What else can I do to improve my indoor air quality?

Household products and other factors, such as mold growth, carbon monoxide, and radon, can degrade the quality of air in your home. Consider the following tips to improve indoor air quality:

- Be aware of household products that contain VOCs. Do not buy more chemicals than you need at a time.
- Store unused chemicals in tightly-sealed containers in a well-ventilated location, preferably away from the living space in your home.
- Keep your home properly ventilated. Keeping it too air-tight may promote build up of chemicals in the air, as well as mold growth due to the build up of moisture.
- Fix all leaks promptly, as well as other moisture problems that encourage mold growth.
- Make sure your heating system, hot water, dryer and fireplaces are properly vented and in good condition. Have your furnace or boiler checked annually by a professional.
- Test your home for radon; take actions to reduce radon levels if needed.
- Install carbon monoxide detectors in your home; take immediate actions to reduce carbon monoxide levels if needed.

Where can I get more information?

For additional information about soil vapor intrusion, contact the NYSDOH's Bureau of Environmental Exposure Investigation at (518) 402-7880 or 1-800-458-1158.

Sub-Slab Depressurization System

(commonly called a radon mitigation system)



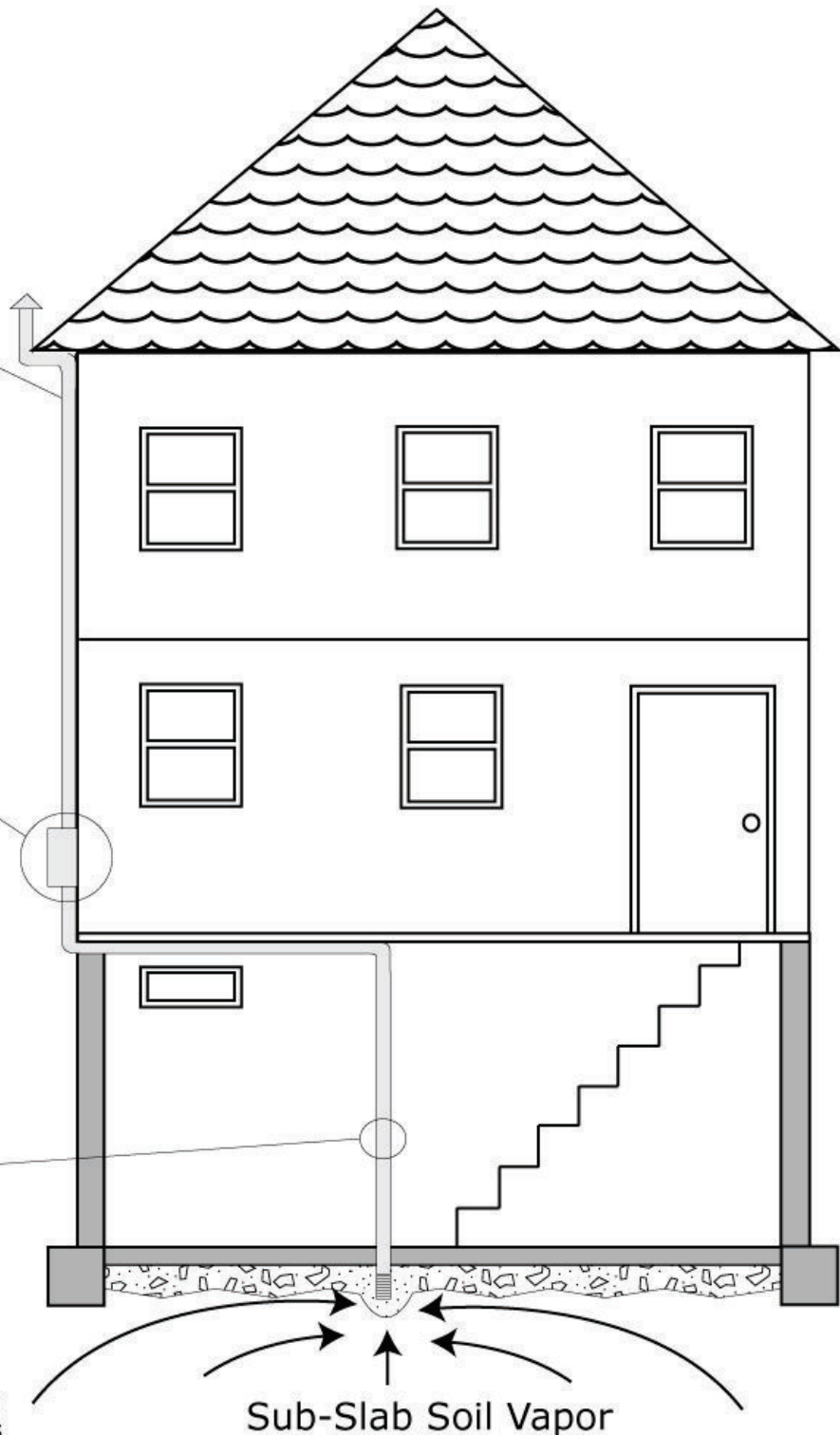
The vent pipe is routed up the side of the structure to a location above the roof line.



A fan is used to draw soil vapor from beneath the slab.



A liquid gauge, or manometer is used to verify that the system is operating properly



A sub-slab depressurization system vents contaminated soil vapor before it enters a structure. The fan draws vapor from beneath the building outside to the roof line where it is released to the outside air.

FOR 24 HOURS PRIOR TO SAMPLING AND DURING SAMPLING, ALL REASONABLE MEASURES SHOULD BE TAKEN TO AVOID:

- Opening any windows, fireplace dampers, openings, or vents;
- Operating ventilation fans unless special arrangements are made;
- Smoking in the house;
- Painting;
- Using wood stoves, fireplaces or other auxiliary heating equipment (e.g., kerosene heaters);
- Operating or storing automobiles in an attached garage;
- Allowing containers of gasoline or oil to remain within the house, except for fuel oil tanks;
- Cleaning, waxing, or polishing furniture or floors with petroleum- or oil-based products;
- Using air fresheners or odor eliminators;
- Engaging in any hobbies that use materials containing volatile organic chemicals;
- Using cosmetics, including hairspray, nail polish, nail polish removers, perfume/cologne, etc.;
- Applying pesticides; and
- Storing recently dry-cleaned clothing and materials.

DEC Expands Indoor Air Sampling in Gowanus Canal Area with New Comprehensive Soil Vapor Intrusion Investigation

The New York State Department of Environmental Conservation (DEC) is working closely with the State Department of Health (DOH) to protect public health and the environment. In Brooklyn, DEC and DOH are working with partners from the U.S. Environmental Protection Agency (EPA) to undertake the comprehensive investigation and cleanup of former industrial sites near the Gowanus Canal. New York State is committed to keeping the community informed about ongoing cleanup actions and efforts to address legacy contamination in the Gowanus neighborhood.

WHO TO CONTACT

Gowanus Canal Area SVI Sampling

DEPT. OF ENVIRONMENTAL CONSERVATION

Aaron Fischer
NYSDEC, 625 Broadway
Albany, NY 12233-7016
(518) 402-9805
Aaron.Fischer@dec.ny.gov

DEPT. OF HEALTH

Daniel Tucholski
NYSDOH
Empire State Plaza, Corning Tower
Room 1787
(518) 402-7860
beei@health.ny.gov

LISTSERV: SIGN UP TO STAY INFORMED



<https://www.dec.ny.gov/chemical/61092.html>

Community Availability Session Announced

On Oct. 3, 2023, DEC and DOH are holding an in-person community availability session to discuss the planned community-wide investigation and cleanup activities at dozens of sites in New York State's Brownfield and State Superfund cleanup programs to help answer questions and address community concerns. **LOCATION:** P.S. 372, 215 First St., Brooklyn, 7 to 9 p.m., Tuesday, Oct. 3.

For more on State availability sessions, go to https://www.youtube.com/watch?v=5XomDsUkc_k

This Community Update summarizes upcoming activities to help inform Gowanus residents and other stakeholders about the State's ongoing investigation to assess where legacy contamination may be affecting indoor air quality in buildings in the Gowanus Canal Area. This update also includes details about DEC and DOH's ongoing investigation of private properties surrounding several sites being addressed through the Brownfield Cleanup Program (473 President Street Off-Site), which is being incorporated into an expanded soil vapor intrusion (SVI) investigation. SVI is a process by which chemicals underground can enter the indoor air of a building through the basement, crawlspace, or slab.

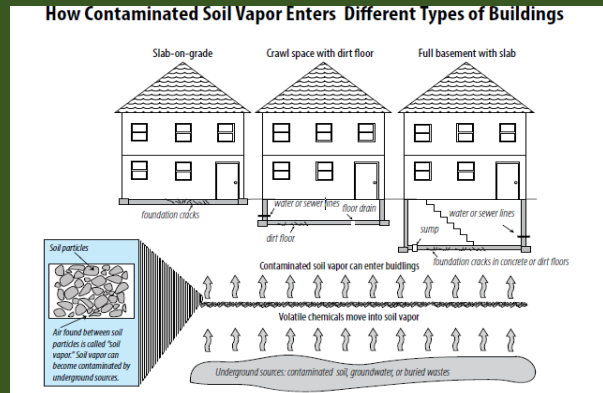
This expanded State sampling effort builds upon a DEC investigation started last year to more fully assess the potential for SVI from contamination at various brownfield cleanup sites in the Gowanus area. Please see the map on page 5 for the SVI study area.

DEC’s investigation will be conducted in a phased approach, focusing on areas of known contamination (refer to the orange-hatched area in the map on page 5) to inform the next phase of the study. DEC expects to seek access to these properties as part of this SVI investigation this fall, with the goal of conducting soil vapor testing during the 2023-2024 heating season. DEC will direct additional sampling in the larger Gowanus Canal area depicted on the map (see pink outline in the map on page 5) during future heating seasons.

DEC will contact the first phase of property owners to offer sampling to assess if building indoor air or sub slab is impacted by nearby contamination. Timely responses to the sampling offers are critically important to helping plan and conduct testing during the winter heating season, which is the best time to sample, and sampling results are most helpful in assessing any potential public health risk. Property owners should expect to receive sampling access request letters in the mail in October 2023.

What is Soil Vapor Intrusion (SVI)?

Soil vapor intrusion is a process by which chemicals in the subsurface can enter the indoor air of a building through the basement, crawlspace, or slab, as depicted in the below graphic. New York State requires comprehensive evaluations of indoor air quality whenever these contaminants are detected at a Brownfield Cleanup Program (BCP) site.



DEC staff setting up for collection of a sub-slab soil vapor sample



Typical example of a residential soil vapor mitigation system

Systems Installed to Address Soil Vapor Intrusion: When soil vapor intrusion sampling results indicate mitigation is needed for buildings participating in New York State’s investigations, a DEC contractor installs vapor intrusion mitigation systems or other acceptable measures.

These systems are tailored to individual building conditions. After installation, additional sampling is conducted to verify the system is effective at preventing contamination from affecting indoor air quality.



Example of a commercial SVI installation on a Brooklyn rooftop

473 President Street Offsite Investigation Ongoing

In addition to the new comprehensive SVI investigation getting underway this heating season, DEC is continuing to address groundwater contamination and soil vapor issues at properties adjacent to 473 President Street. After contamination was found at 473 President Street, DEC and DOH launched an off-site investigation of private properties and conducted SVI sampling at multiple locations (DEC Site Number [C224220A](#)). DEC and DOH selected the potentially impacted properties for soil vapor intrusion sampling based on groundwater and soil vapor data collected during the off-site investigation and examined groundwater flow and other data from the investigations completed at three nearby sites in the State's Brownfield Cleanup Program.

Investigation Background: The initial phase of an off-site investigation is called a Site Characterization. In August 2022, DEC and DOH oversaw the engineering contractor's preparation of a Site Characterization Work Plan to investigate off-site impacts from 473 President Street. The purpose of a site characterization is to identify the extent of off-site impacts related to the CVOC contamination, primarily trichloroethene (TCE), identified in soil and groundwater at the 473 President Street, President Street Portfolio, and 514 Union Street sites. Key components of the Work Plan include:

- Installation and sampling of 18 soil vapor points in the sidewalk on Union Street, Nevins Street, 3rd Avenue, and President Street;
- Installation and sampling of five groundwater monitoring wells to evaluate off-site impacts to groundwater; and
- Implementation of an off-site SVI investigation that includes collecting sub-slab soil vapor and indoor air samples at nearby structures.

Ongoing Sampling of Private Property: DEC, in consultation with DOH, requested access to 33

properties the investigation identified along and near Union, Nevins, and President streets. To date, 15 property owners granted access for sampling. Contractors under DEC oversight collected samples at each property during the winter months when conditions are best to assess the potential for vapor intrusion.

DEC Holds Violators Accountable for Cleanup Noncompliance



To date in 2023, New York State has issued \$334,000 in civil penalties to multiple Gowanus Canal-area developers and property owners conducting cleanups for violations of State environmental protection laws and brownfield regulations. DEC continues to closely monitor all cleanup activities at sites in the Gowanus Canal area and provide stringent oversight to ensure compliance and protect public health and the environment.

In March 2023, DEC and DOH received preliminary results for the properties that were sampled. One building had levels of TCE in the indoor air that required immediate action by DOH and DEC to mitigate TCE in indoor air with a short-term mitigation system. That short-term mitigation system is currently operating at the property. To enhance the short-term remedy while the final remedy is being designed and implemented, DEC and DOH are working collaboratively with EPA. Results from properties sampled showed some other buildings require mitigation. DEC is working with a contractor to install vapor intrusion mitigation systems at the properties.

Next Steps: The site characterization has been completed and is available for review at the DECinfo Locator link (see page 4). The State will continue to monitor the mitigation systems that will be installed in the new and existing areas detailed in the attached map.

Contact DEC for Soil Vapor Intrusion Sampling

If you are a property owner in the 473 Off-Site investigation area who has not yet responded to New York State's offer for indoor air sampling and are interested, the owner can contact Richard P. Mustico by email at richard.mustico1@dec.ny.gov or by phone (518) 402-9647. Additionally, if you are a tenant in a building and would like sampling, contact your landlord/property owner to request that the property owner comply with sampling requests. DEC and DOH will work with the owners of other properties in the area and conduct additional investigations as appropriate.

Receive Site Fact Sheets by Email

Have site information such as this community update and fact sheet sent right to your email inbox. DEC invites you to sign up with one or more contaminated site email listservs at:

www.dec.ny.gov/chemical/61092.html

It's quick, it's free, and it will help keep you better informed. As a listserv member, you will periodically receive site-related information and announcements for all contaminated sites in the county(ies) you select.

For more information on New York State's environmental investigation and cleanup actions in the Gowanus Canal area, visit

<https://www.dec.ny.gov/chemical/127317.html>

WHO TO CONTACT

473 President Street Offsite Investigation

DEPT. OF ENVIRONMENTAL CONSERVATION

Richard Mustico
NYSDEC, 625 Broadway
Albany, NY 12233-7016
(518) 402-9647
Richard.mustico1@dec.ny.gov

DEPT. OF HEALTH

Angela Martin
NYSDOH
Empire State Plaza, Corning Tower Room 1787
(518) 473-4671
bee1@health.ny.gov

WHERE TO FIND INFORMATION

Access project documents through the DECinfo Locator:

<https://www.dec.ny.gov/data/DecDocs/C224220A/>

and at these locations(s):

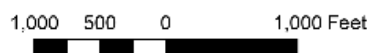
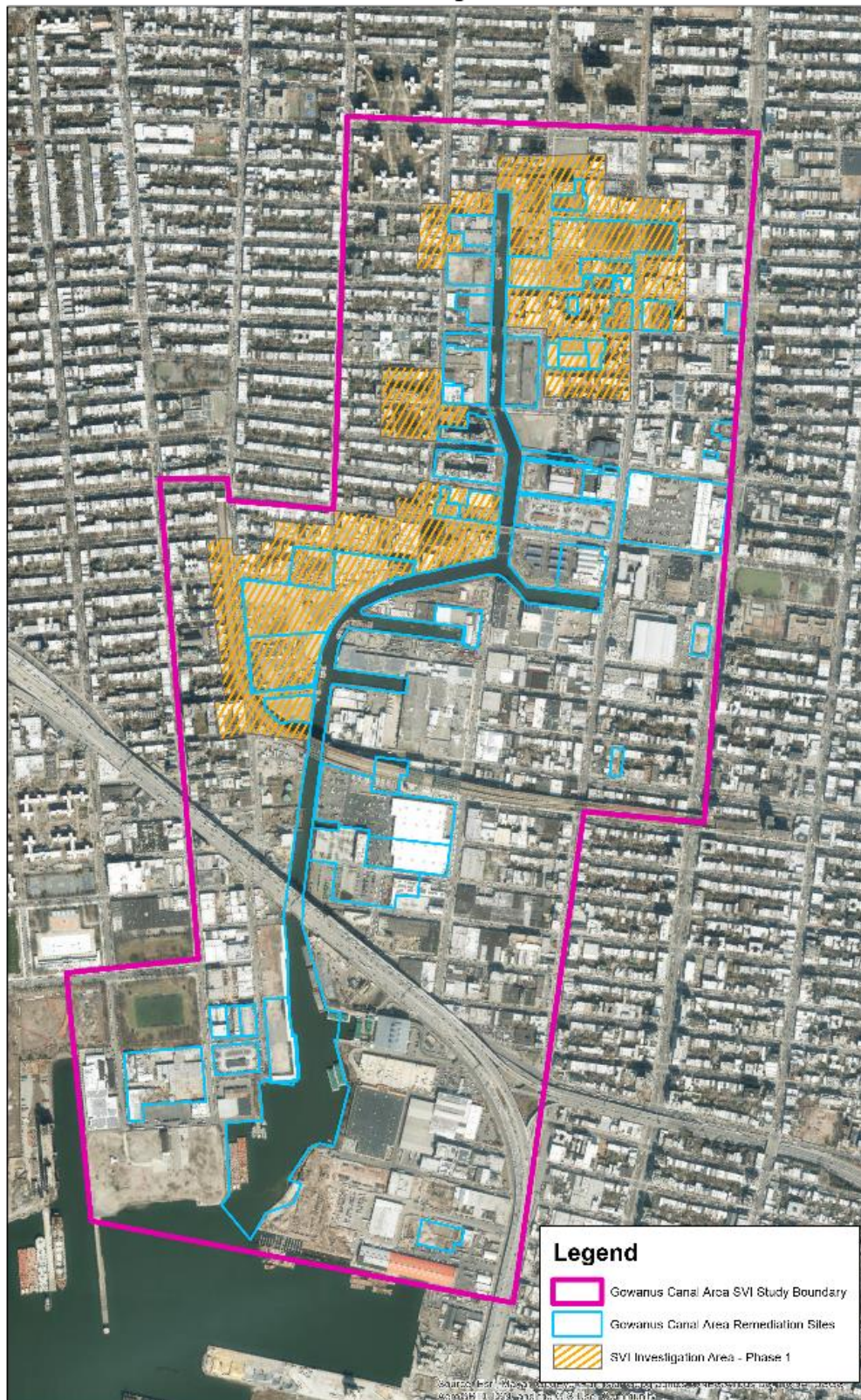
Carroll Gardens Branch Library

396 Clinton Street Brooklyn, NY 11231
(718) 596-6972

Brooklyn Community Board 6

250 Baltic Street Brooklyn, NY 11231
(718) 643-3027

Gowanus Canal Area SVI Study Initial Investigation Area





Translation Available. Don't see your language? Ask!

English	To have this document translated into a language you can understand, contact the person below. There is no charge for the translation.
Español Spanish	Si necesita la traducción de este documento a un idioma que pueda entender, comuníquese con la persona indicada abajo. La traducción es gratis.
简体字 Simplified Chinese	如需將此文件翻譯成您能理解的語言版本，請聯絡下方人員。本次翻譯不收取費用。
Русский Russian	Чтобы получить перевод этого документа на понятный вам язык, свяжитесь с представителем, данные которого указаны ниже. Плата за эту услугу не взимается.
אידיש Yiddish	צו האבן די דאקומענט איבערגעטייטשט אין א שפראך וואס איר קענט פארשטיין, פארבינדט זיך מיט די פערזאן אונטן. די איבערטייטשונג איז פריי פון אפצאל.
বাঙালি Bengali	এই নথিটি আপনি বুঝতে পারেন এমন একটি ভাষায় অনুবাদ করতে, নিম্নলিখিত ব্যক্তির সাথে যোগাযোগ করুন। অনুবাদের জন্য কোন চার্জ দিতে হবে না।
한국어 Korean	이 언어를 본인이 이해할 수 있는 언어로 받아보려면 아래 담당자에게 문의하십시오. 번역료는 없습니다.
Kreyòl Ayisyen Haitian Creole	Pou yo ka tradwi dokiman sa nan yon lang ou ka konprann, kontakte moun ki anba a. Ou p'ap peye anyen pou tradiksyon an.
Italiano Italian	Per ottenere la traduzione di questo documento in un'altra lingua, contatti la persona indicata qui di seguito. La traduzione è gratuita.
العربية Arabic	لترجمة هذا المستند إلى لغة يمكنك فهمها، تواصل مع الشخص أدناه. لا يتم تطبيق رسوم مقابل الترجمة.
Języki Polski Polish	Aby uzyskać tłumaczenie tego dokumentu na język, który jest dla Ciebie zrozumiały, skontaktuj się z poniższą osobą. Za tłumaczenie nie jest pobierana żadna opłata.

Aaron Fischer, 518-598-7799, aaron.fischer@dec.ny.gov

B

Blank Indoor Air Quality Questionnaire and Building Inspection Form



Structure Sampling Questionnaire and Building Inventory

Project No: 224133

Site: Gowanus Canal Site
Brooklyn

Default Site Location

Contact

Date	_____	Time	_____
Site Name	_____	Site Code	_____
Operable Unit	_____	Building Code	_____
Building Name	_____	Address	_____
Apt/Suit No.	_____	City	_____
State	_____	Zip	_____
County	_____	Contact Information	
Preparer's Name	_____	Preparer's Affiliation	_____
Preparer's Phone No.	_____	Company Code	_____
Purpose of Investigation	_____	Date of Inspection	_____
Contact Name	_____	Affiliation	_____
Contact's Phone No.	_____	Other Affiliation Description	_____
Alternate Phone No.	_____	Email	_____
Number of Occupants (total)	_____	Number of Children	_____
Occupant interviewed?	_____	Owner occupied?	_____
Owner interviewed?	_____	Owner name (if different)	_____
Owner phone	_____	Owner mailing address	_____

Building Details

Date	_____	Time	_____
Building Type	_____	Building Size	_____
Operations	_____	Structure Type	_____
Number of Floors	_____	Approximate Year of construction	_____
Building insulated?	_____	Attached garage?	_____
Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests)	_____	Foundation Description	
Foundation Type	_____	Foundation depth (bgs)	_____
Foundation depth unit	_____	Foundation floor material	_____
Foundation wall material	_____	Foundation floor thickness	_____
Foundation wall thickness	_____	Foundation thickness unit	_____
Floor penetrations?	_____	Describe floor penetrations	_____
Wall penetrations?	_____	Describe wall penetrations	_____



Structure Sampling Questionnaire and Building Inventory

Project No: 224133

Site: Gowanus Canal Site
Brooklyn

Basement finished? _____ Basement wet? _____

Sumps/Drains? _____ Water in sump? _____

Describe Foundation Condition (cracks, seepage, etc.) _____ Radon Mitigation System Installed? _____

VOC Mitigation System Installed? _____ Mitigation System On? _____

Heating / Cooling / Ventilation Systems

Heat Fuel Type _____ Heating System _____

Vented Appliances

Clothes Dryer Fuel Type _____ Central AC? _____

Dryer Vent Location _____ Water Heater Fuel Type _____

Water Htr Vent Location _____

Building Details Remark _____

Product Inventory

Date	Time	Location	Product Name / Description	Size (oz)	Condition	Chemical Ingredients	PID Reading	COC (Chemical of Concern)

PID Info

Date _____ Time _____

Make and Model of PID _____ Date of Calibration _____

PID Product Inventory Complete? _____ Were there any elevated PID readings taken on site? _____

Products with COC (Chemical of Concern)? _____ Ambient Indoor Air PID reading _____

Indoor Air Quality

Date _____ Time _____

Factors Affecting Indoor Air Quality

Floor Material _____ Inhabited? _____

HVAC System on? _____ Bathroom Exhaust Fan? _____

Kitchen Exhaust Fan? _____ Alternate Heat Source _____

Is there smoking in the building? _____ Air fresheners? _____

Description/location of air freshener _____ Cleaning products used recently? _____

Description of Cleaning Products _____ Cosmetic Products Used Recently? _____



Structure Sampling Questionnaire and Building Inventory

Project No: 224133

Site: Gowanus Canal Site
Brooklyn

Description of Cosmetic Products	_____	New Carpet or Furniture?	_____
Location of new carpet/furniture	_____	Recent Dry Cleaning?	_____
Location of recently dry cleaned fabrics	_____	Recent Painting/Staining?	_____
Location of new painting	_____	Solvent or Chemical Odors?	_____
Describe odors (if any)	_____	Do Any Occupants Use Solvents At Work?	_____
List solvents used	_____	Recent Pesticide/Rodenticide?	_____
		Describe Any Household Activities (chemical use,/ storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality	_____
Description of last use	_____	Radon test details	_____
Any Prior Testing For Radon?	_____	VOC testing details	_____
Any Prior Testing for VOCs?	_____		

Sampling Info

Date	_____	Time	_____
Current Building Use (Structure Type)	_____	Current Building Use (Operations)	_____
Sampling Conditions		Weather Conditions	_____
Outdoor Temperature (degrees F)	_____	Barometric Pressure (in [Hg])	_____
Sampling Product Inventory Complete?	_____	Building Questionnaire Complete?	_____
Sampler Name(s)	_____	Sampler Company code	_____
Sample Collection Date	_____	Date Samples Sent to Lab	_____
Sample Chain of Custody Number	_____	Outdoor Air Sample Location ID	_____

SUMMA Canister Information

Set	1
Question	
Date	
Time	
Sample ID	
Location Code	
Canister ID	
Regulator ID	
Matrix	



Structure Sampling Questionnaire and Building Inventory

Project No: 224133

Site: Gowanus Canal Site
Brooklyn

Set	1
Question	
Sampling Method	
Slab Thickness (inches)	
Sub-slab Material	
Sub-slab Moisture	
Seal Type	
Seal Adequate?	
Sample Start Date	
Sample Start Time	
Vacuum Gauge Start	
Sample End Date	
Sample End Time	
Vacuum Gauge End	
Sample Duration (hrs)	
Vacuum Gauge Unit	
Vapor Port Purge	
Purge PID Reading	
Purge PID Unit	
Tracer Test Pass	
Tracer Test Type	

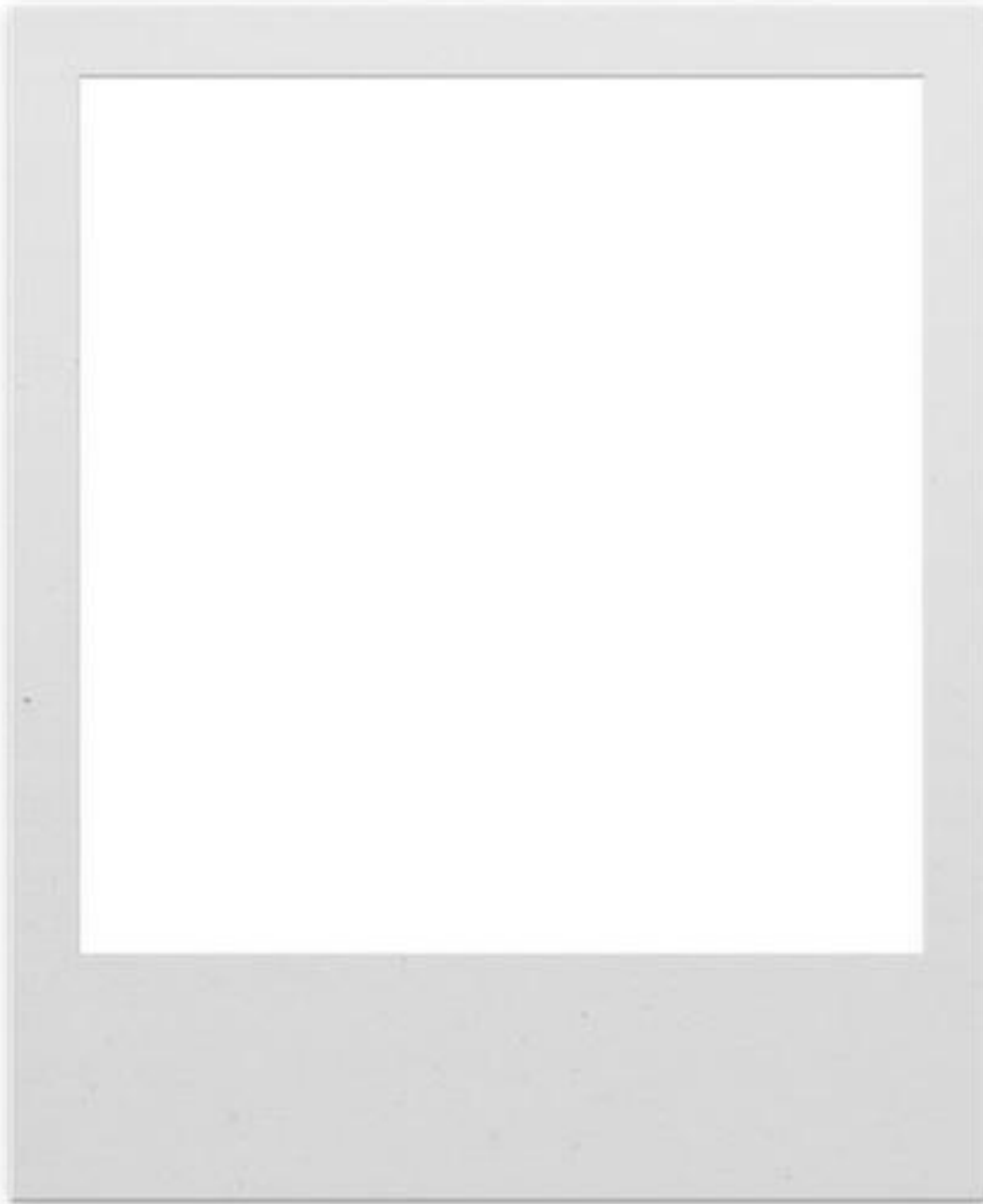


Structure Sampling Questionnaire and Building Inventory

Project No: 224133

Site: Gowanus Canal Site
Brooklyn

Sketch



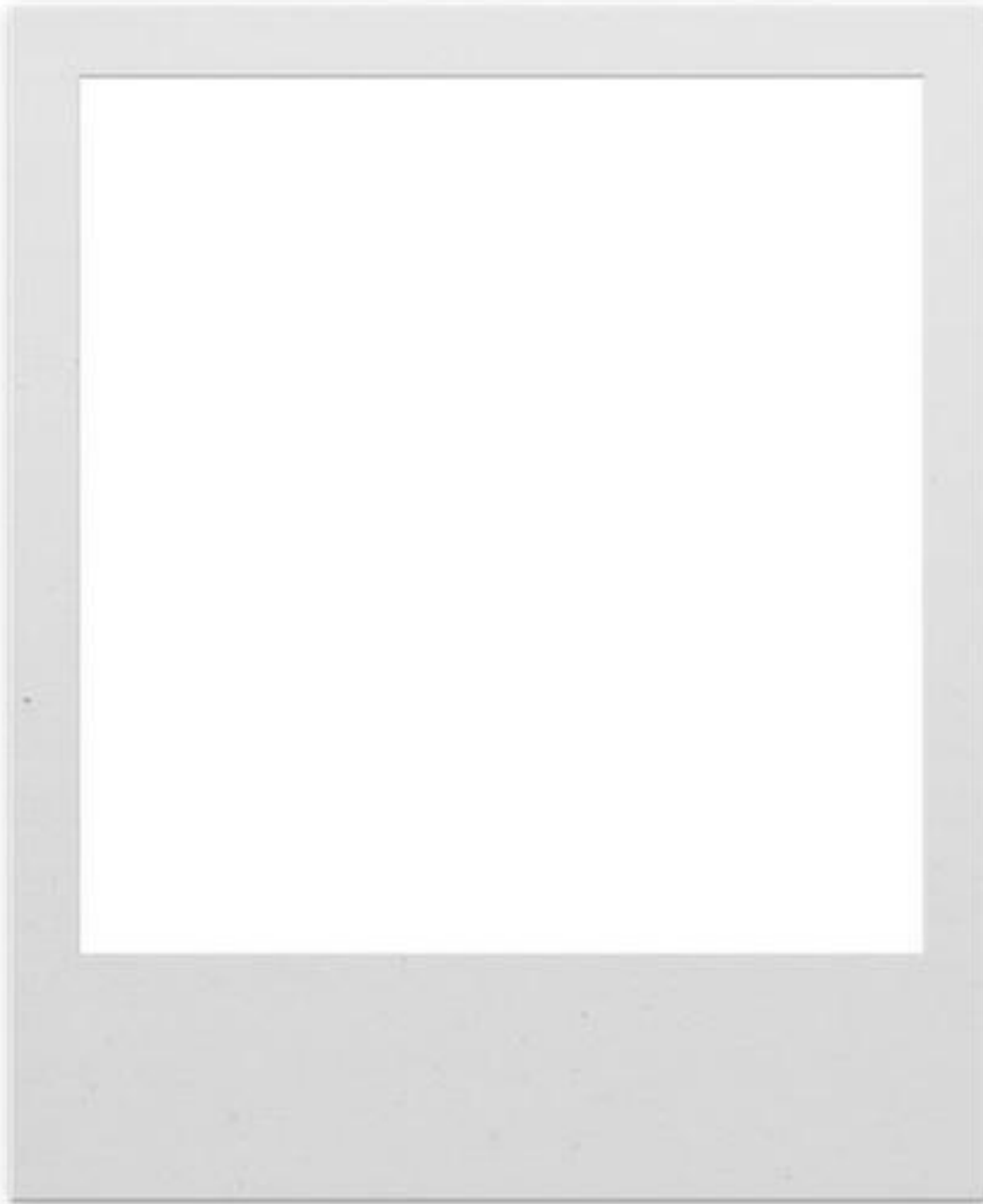


Structure Sampling Questionnaire and Building Inventory

Project No: 224133

Site: Gowanus Canal Site
Brooklyn

COC



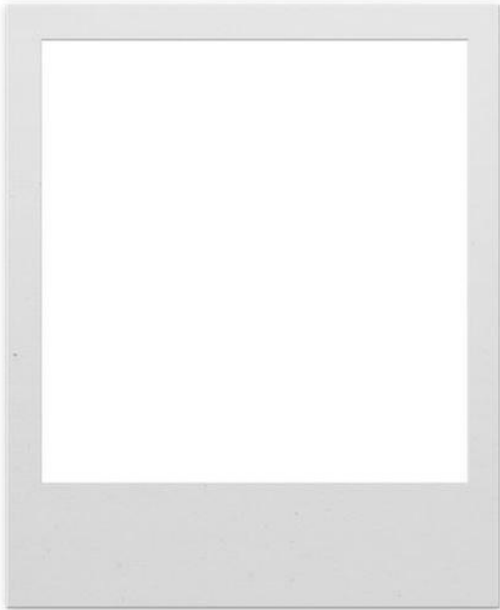


Structure Sampling Questionnaire and Building Inventory

Project No: 224133

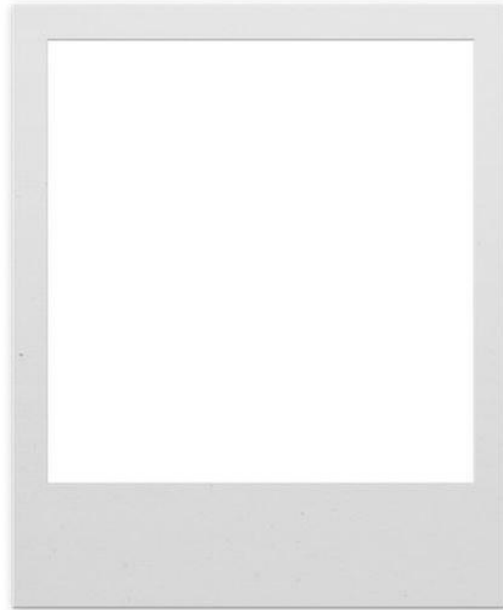
Site: Gowanus Canal Site
Brooklyn

Photos



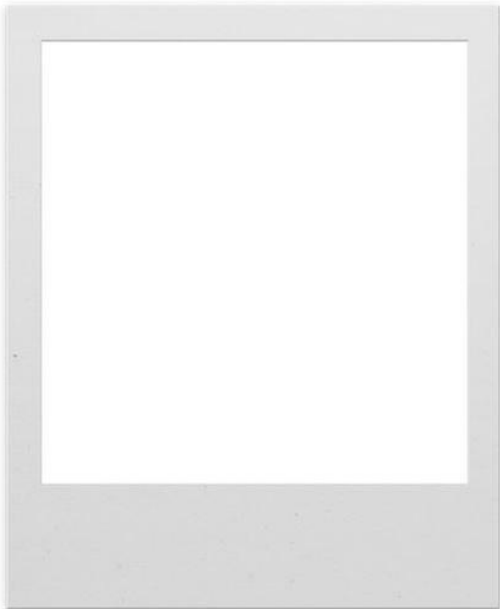
Product Inventory

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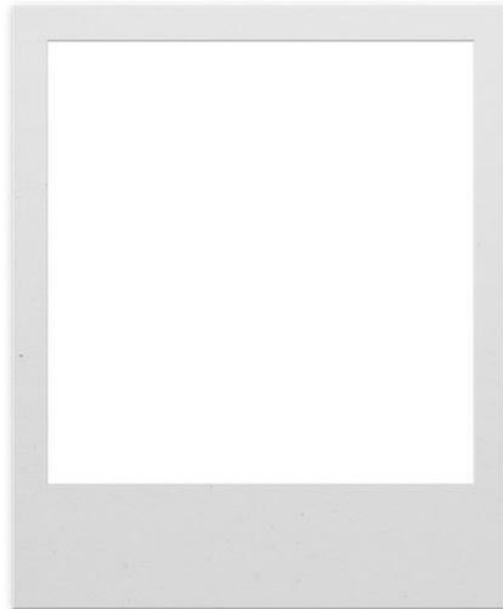
SUMMA Canister Information

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Sketch

--



Chain of Custody

--

C

Analytical Data Summary Tables

**Table C-1 GC001 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC001				
	Location ID:	GC001-SV01	GC001-FA01	GC001-FA01	GC001-FA02	GC001-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	First Floor Air	First Floor Air	Outdoor Air
	Date:	11/7/2023	11/7/2023	11/7/2023	11/7/2023	11/7/2023
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	1.4	0.24 U	0.24 U	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.45 J	0.44 J	0.41 U	0.45 J	0.44 J	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	4.7	6.4	0.39 U	0.82 J	0.45 J	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.85	0.38 U	0.38 U	1.1	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.96 J	1.7	0.23 U	0.26 J	0.23 U	
1,3-Butadiene	0.22 J	0.73	0.55	0.37 J	0.086 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	0.54 J	0.54 U	0.54 U	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	0.43 J	0.30 U	0.30 U	0.30 U	0.30 U	
2-Hexanone	0.79 J	0.61 U	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	0.80 J	1.9	0.24 U	0.26 J	0.24 U	
Acetone	46	32	25	22	8.7 J	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	
Benzene	1.9	6.4	5.1	2.9	0.64	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	5.4	0.40 U	0.40 U	0.78 J	0.40 U	
Carbon Tetrachloride	3.5	0.45	0.36	0.37	0.35	
Chlorobenzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	
Chloroform	8.5	1.4	1.1	0.68 J	0.20 U	
Chloromethane (Methyl Chloride)	1.6	2.2	1.9	1.4	0.90 J	
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	
Cyclohexane	1.1	3.1	2.5	1.4	0.21 J	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	1.8 J	1.5 J	2.2 J	1.4 J	2.2 J	
Ethylbenzene	3.5	10 J	2.7 J	2.1	0.42 J	
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Isopropanol	6.8 J	8.3 J	6.9 J	5.4 J	3.9 U	
m,p-Xylene	14	38 J	5.2 J	5.9	1.3 J	
Methyl Ethyl Ketone (2-Butanone)	5.8	2.8	2.1	2.6	1.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.9 J	0.57 J	0.53 U	0.53 U	0.53 U	
Methylene Chloride	1.9	0.71 J	0.83 J	0.63 U	0.63 U	
Naphthalene	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	
N-Heptane	2.6	4.9 J	2.9 J	2.2	0.49 J	
N-Hexane	4.4	12	9.6	5.3	0.70 J	
O-Xylene (1,2-Dimethylbenzene)	4.9	13 J	1.2 J	1.5	0.44 J	
Styrene	0.83 J	0.51 J	0.25 U	0.25 U	0.25 U	

**Table C-1 GC001 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC001				
	Location ID:	GC001-SV01	GC001-FA01	GC001-FA01	GC001-FA02	GC001-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	First Floor Air	First Floor Air	Outdoor Air
	Date:	11/7/2023	11/7/2023	11/7/2023	11/7/2023	11/7/2023
Tert-Butyl Methyl Ether		0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Tetrachloroethylene (PCE)		43	2.5 J	0.97 J	1.2 J	1.1 J
Tetrahydrofuran		3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Toluene		20	46	29	16	1.6
Trans-1,2-Dichloroethene		0.091 U	0.091 U	0.091 U	0.091 U	0.091 U
Trans-1,3-Dichloropropene		0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Trichloroethylene (TCE)		3.3	0.17 J	0.13 U	0.13 U	0.13 U
Trichlorofluoromethane		1.8	1.1	1.2	1.1	1.1
Vinyl Bromide		0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Vinyl Chloride		0.054 U	0.054 U	0.054 U	0.054 U	0.054 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

"-FD" denotes field duplicate sample

Bold numbers indicate that the chemical was detected.

**Table C-1 GC001 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC001			
	Location ID:	GC001-SV01	GC001-FA01	GC001-FA02	GC001-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	First Floor Air	Outdoor Air
	Date:	3/13/2024	3/13/2024	3/13/2024	3/13/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	1.37	0.544 U	0.529 U	0.486 U	
1,1,2,2-Tetrachloroethane	0.487 U	0.391 U	0.381 U	0.349 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.09 U	0.873 U	0.850 U	0.780 U	
1,1,2-Trichloroethane	0.347 U	0.518 J	0.441 J	0.249 U	
1,1-Dichloroethane	0.497 U	0.398 U	0.388 U	0.356 U	
1,1-Dichloroethene	0.147 U	0.118 U	0.114 U	0.105 U	
1,2,4-Trichlorobenzene	0.867 U	0.695 U	0.677 U	0.621 U	
1,2,4-Trimethylbenzene	0.509 J	5.01	2.55	0.886 J-	
1,2-Dibromoethane (Ethylene Dibromide)	0.455 U	0.365 U	0.355 U	0.326 U	
1,2-Dichlorobenzene	0.578 U	0.463 U	0.451 U	0.414 U	
1,2-Dichloroethane	0.371 U	0.298 U	0.29 U	0.266 U	
1,2-Dichloropropane	0.349 U	0.279 U	0.272 U	0.250 U	
1,2-Dichlorotetrafluoroethane	1.01 U	0.813 U	0.791 U	0.726 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.393 U	1.46	0.795	0.281 U	
1,3-Butadiene	0.124 U	0.472 J	0.332 J	0.0891 U	
1,3-Dichlorobenzene	0.596 U	0.478 U	0.465 U	0.427 U	
1,4-Dichlorobenzene	1.69	0.428 U	0.417 U	0.382 U	
1,4-Dioxane (P-Dioxane)	0.442 U	0.355 U	0.345 U	0.317 U	
2-Hexanone	0.788 J	0.340 J	0.237 J	0.695 J-	
4-Ethyltoluene	0.553 U	4.84	2.50	0.573 J-	
Acetone	71.1	27.5	23.7	10.6 J-	
Allyl Chloride (3-Chloropropene)	0.352 U	10.4	7.81	0.252 U	
Benzene	0.468 U	6.48	4.98	1.46 J-	
Benzyl Chloride	0.413 U	0.332 U	0.323 U	0.296 U	
Bromodichloromethane	0.595 J	0.270 U	0.263 U	0.241 U	
Bromoform	0.749 U	0.601 U	0.585 U	0.537 U	
Bromomethane	0.563 U	0.451 U	0.440 U	0.403 U	
Carbon Disulfide	3.32	0.347 U	0.338 U	0.310 U	
Carbon Tetrachloride	3.54	0.448	0.436	0.333 J-	
Chlorobenzene	0.381 U	0.306 U	0.298 U	0.273 U	
Chloroethane	0.250 U	0.200 U	0.195 U	0.179 U	
Chloroform	13.6	1.80	1.24	0.476 U	
Chloromethane (Methyl Chloride)	0.764 J	1.13 J	0.954 J	1.14 J-	
Cis-1,2-Dichloroethylene	0.293	0.470	0.366	0.105 U	
Cis-1,3-Dichloropropene	0.275 U	0.221 U	0.215 U	0.197 U	
Cyclohexane	0.438 U	2.65	2.07	0.328 J-	
Dibromochloromethane	38.9	1.11	0.886 J	0.442 U	
Dichlorodifluoromethane	2.41	2.29	2.40	2.04 J-	
Ethylbenzene	0.514 J	9.99	4.56	0.829 J-	
Hexachlorobutadiene	1.34 U	1.08 U	1.05 U	0.961 U	
Isopropanol	5.93	18.2	12.1	9.43 J-	
m,p-Xylene	1.61	34.2	14.6	2.26 J-	
Methyl Ethyl Ketone (2-Butanone)	5.93	2.76	1.91	1.06 J-	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.51	0.437 J	0.402 U	0.369 U	
Methylene Chloride	3.03	0.618 J	0.682 J	0.736 J-	
Naphthalene	0.752 U	1.24	0.666 J	0.833 U	
N-Heptane	0.303 J	5.49	4.07	0.912 J-	
N-Hexane	0.417 U	10.1	7.57	0.822 J-	
O-Xylene (1,2-Dimethylbenzene)	0.642	11.2	4.66	0.828 J-	
Styrene	0.372 U	0.707	0.640	0.271 J-	

**Table C-1 GC001 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC001			
	Location ID:	GC001-SV01	GC001-FA01	GC001-FA02	GC001-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	First Floor Air	Outdoor Air
	Date:	3/13/2024	3/13/2024	3/13/2024	3/13/2024
Tert-Butyl Methyl Ether	0.747	0.415 U	0.404 U	0.371 U	
Tetrachloroethylene (PCE)	53.3	1.53	1.25	0.575 J-	
Tetrahydrofuran	0.698 J	2.41	1.87	0.166 U	
Toluene	2.17	41.2	25.2	3.91 J-	
Trans-1,2-Dichloroethene	0.463 U	0.371 U	0.362 U	0.332 U	
Trans-1,3-Dichloropropene	2.75	0.646	0.482 U	0.443 U	
Trichloroethylene (TCE)	4.45	0.255	0.155 U	0.142 U	
Trichlorofluoromethane	1.25	1.27	1.30	1.19 J-	
Vinyl Bromide	0.621 U	0.498 U	0.485 U	0.445 U	
Vinyl Chloride	0.166 U	0.133 U	0.130 U	0.119 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

"-FD" denotes field duplicate sample

Bold numbers indicate that the chemical was detected.

**Table C-2 GC003 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC003			
	Location ID:	GC003-SV01	GC003-BA01	GC003-FA01	GC003-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	11/15/2023	11/15/2023	11/15/2023	11/15/2023
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.82 U	0.20 U	0.20 U	0.20 U	
1,1,2,2-Tetrachloroethane	1.3 U	0.33 U	0.33 U	0.33 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.92 U	0.24 U	0.24 U	0.24 U	
1,1,2-Trichloroethane	0.82 U	0.21 U	0.21 U	0.21 U	
1,1-Dichloroethane	0.93 U	0.23 U	0.23 U	0.23 U	
1,1-Dichloroethene	0.95 U	0.23 U	0.23 U	0.23 U	
1,2,4-Trichlorobenzene	3.6 U	0.89 U	0.89 U	0.89 U	
1,2,4-Trimethylbenzene	2.0 J	0.43 U	0.43 U	0.43 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.92 U	0.23 U	0.23 U	0.23 U	
1,2-Dichlorobenzene	1.7 U	0.41 U	0.41 U	0.41 U	
1,2-Dichloroethane	1.1 U	0.28 U	0.28 U	0.28 U	
1,2-Dichloropropane	1.2 U	0.29 U	0.29 U	0.29 U	
1,2-Dichlorotetrafluoroethane	1.4 U	0.35 U	0.35 U	0.35 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.6 U	0.39 U	0.39 U	0.39 U	
1,3-Butadiene	0.75 U	0.19 U	0.19 U	0.19 U	
1,3-Dichlorobenzene	0.96 U	0.24 U	0.24 U	0.24 U	
1,4-Dichlorobenzene	1.9 U	0.47 U	0.47 U	0.47 U	
1,4-Dioxane (P-Dioxane)	1.7 U	0.43 U	0.43 U	0.43 U	
2-Hexanone	2.4 U	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	1.9 U	0.47 U	0.47 U	0.47 U	
Acetone	35.2	13	15	7.4	
Allyl Chloride (3-Chloropropene)	1.0 U	0.26 U	0.26 U	0.26 U	
Benzene	1.9 U	0.58 J	0.73	0.54 J	
Benzyl Chloride	2.6 U	0.67 U	0.67 U	0.67 U	
Bromodichloromethane	0.80 U	0.20 U	0.20 U	0.20 U	
Bromoform	2.9 U	0.73 U	0.73 U	0.73 U	
Bromomethane	1.1 U	0.27 U	0.27 U	0.27 U	
Carbon Disulfide	5.3	0.14 U	0.14 U	0.14 U	
Carbon Tetrachloride	1.0 U	0.25 U	0.25 U	0.25 U	
Chlorobenzene	1.4 U	0.34 U	0.34 U	0.34 U	
Chloroethane	0.71 U	0.18 U	0.18 U	0.18 U	
Chloroform	0.73 U	0.59 J	0.63 J	0.18 U	
Chloromethane (Methyl Chloride)	0.74 U	0.70	0.83	0.89	
Cis-1,2-Dichloroethylene	0.48 U	0.12 U	0.12 U	0.12 U	
Cis-1,3-Dichloropropene	1.1 U	0.28 U	0.28 U	0.28 U	
Cyclohexane	0.62 U	0.15 U	0.15 U	0.15 U	
Dibromochloromethane	1.8 U	0.44 U	0.44 U	0.44 U	
Dichlorodifluoromethane	2.1 J	1.3	1.4	1.4	
Ethylbenzene	1.0 U	0.56 J	0.65 J	0.87	
Hexachlorobutadiene	2.7 U	0.66 U	0.66 U	0.66 U	
Isopropanol	3.4	6.1	4.9	1.5	
M,P-Xylene (Sum Of Isomers)	4.2	2.4	2.6	4.0	
Methyl Ethyl Ketone (2-Butanone)	2.9	0.88	0.91	1.2	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.2 U	0.3 U	0.3 U	0.3 U	
Methylene Chloride	0.76 U	0.19 U	0.19 U	0.19 U	

**Table C-2 GC003 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC003			
	Location ID:	GC003-SV01	GC003-BA01	GC003-FA01	GC003-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	11/15/2023	11/15/2023	11/15/2023	11/15/2023
Naphthalene	2.7 U	0.68 U	0.68 U	0.68 U	
N-Heptane	0.74 U	0.53 J	0.53 J	0.18 U	
N-Hexane	0.74 U	0.85	0.67 J	0.42 J	
O-Xylene (1,2-Dimethylbenzene)	1.3 U	0.87	0.96	1.3	
Styrene	0.89 U	0.23 U	0.23 U	0.23 U	
Tert-Butyl Methyl Ether	1.2 U	0.29 U	0.29 U	0.29 U	
Tetrachloroethylene (PCE)	2.1	0.33	0.37	0.22 J	
Tetrahydrofuran	2.4	0.27 U	0.27 U	0.27 U	
Toluene	12	1.7	1.4	0.90	
Trans-1,2-Dichloroethene	0.44 U	0.11 U	0.11 U	0.11 U	
Trans-1,3-Dichloropropene	1.8 U	0.45 U	0.45 U	0.45 U	
Trichloroethylene (TCE)	0.41 U	0.10 U	0.10 U	0.10 U	
Trichlorofluoromethane	3.5 U	1.1	1.1	1.1	
Vinyl Bromide	1.0 U	0.27 U	0.27 U	0.27 U	
Vinyl Chloride	0.72 U	0.18 U	0.18 U	0.18 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

Bold numbers indicate that the chemical was detected.

**Table C-3 GC004 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC004		GC004		GC004
	Location ID:	GC004-SV01	GC004-BA01	GC004-SV02	GC004-BA02	GC004-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	11/9/2023	11/9/2023	11/9/2023	11/9/2023	11/9/2023
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.845 U	0.441 U	0.743 U	0.44 U	0.671 U	
1,1,2,2-Tetrachloroethane	0.608 U	0.317 U	3.34	0.316 U	0.483 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.36 U	0.709 U	1.19 U	0.706 U	1.08 U	
1,1,2-Trichloroethane	0.433 U	0.226 U	0.381 U	0.225 U	0.344 U	
1,1-Dichloroethane	0.619 U	0.324 U	0.545 U	0.323 U	0.492 U	
1,1-Dichloroethene	0.183 U	0.0955 U	0.161 U	0.0952 U	0.145 U	
1,2,4-Trichlorobenzene	1.08 U	0.565 U	0.951 U	0.563 U	0.859 U	
1,2,4-Trimethylbenzene	1.09	0.615	1.67	0.283 U	0.576 J	
1,2-Dibromoethane (Ethylene Dibromide)	0.567 U	0.296 U	0.499 U	0.295 U	0.45 U	
1,2-Dichlorobenzene	0.721 U	0.376 U	0.634 U	0.375 U	0.573 U	
1,2-Dichloroethane	0.463 U	0.242 U	1.18	0.241 U	0.368 U	
1,2-Dichloropropane	0.435 U	0.227 U	0.382 U	0.226 U	0.345 U	
1,2-Dichlorotetrafluoroethane	1.26 U	0.66 U	1.11 U	0.658 U	1.00 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.49 U	0.256 U	1.12	0.255 U	0.389 U	
1,3-Butadiene	0.155 U	0.081 U	0.136 U	0.0807 U	0.123 U	
1,3-Dichlorobenzene	0.743 U	0.388 U	0.653 U	0.387 U	0.59 U	
1,4-Dichlorobenzene	1.11	0.579	0.878 J	0.577	0.528 U	
1,4-Dioxane (P-Dioxane)	0.551 U	0.288 U	0.485 U	0.287 U	0.438 U	
2-Hexanone	0.31 U	0.162 U	0.272 U	0.354 J	0.246 U	
4-Ethyltoluene	0.816 J	0.521	1.28	0.519	0.547 U	
Acetone	24.5	13.9	12.9	17.7	7.69	
Allyl Chloride (3-Chloropropene)	0.439 U	0.229 U	0.386 U	0.228 U	0.349 U	
Benzene	0.583 U	0.708	0.725	0.644	0.702	
Benzyl Chloride	0.516 U	0.269 U	0.453 U	0.268 U	0.41 U	
Bromodichloromethane	0.42 U	0.219 U	0.369 U	0.643	0.334 U	
Bromoform	0.934 UJ	0.488 UJ	0.822 UJ	0.486 UJ	0.742 UJ	
Bromomethane	0.702 U	0.366 U	0.617 U	0.365 U	0.557 U	
Carbon Disulfide	5.51	0.282 U	5.81	0.281 U	0.429 U	
Carbon Tetrachloride	0.29 U	0.424	0.510	0.483	0.461	
Chlorobenzene	0.475 U	0.248 U	0.418 U	0.247 U	0.378 U	
Chloroethane	0.311 U	0.163 U	0.274 U	0.162 U	0.247 U	
Chloroform	1.35	4.33	4.59	14.4	0.658 U	
Chloromethane (Methyl Chloride)	0.187 U	1.33	0.335	1.19	1.18	
Cis-1,2-Dichloroethylene	0.183 U	0.0955 U	0.161 U	0.0952 U	0.145 U	
Cis-1,3-Dichloropropene	0.343 U	0.179 U	0.302 U	0.179 U	0.273 U	
Cyclohexane	0.546 U	0.285 U	0.48 U	0.284 U	0.434 U	
Dibromochloromethane	0.77 U	0.402 U	0.677 U	0.401 U	0.612 U	
Dichlorodifluoromethane	2.64	2.67	2.73	2.47	2.61	
Ethylbenzene	0.881	0.418	1.06	0.375 J	0.439 U	
Hexachlorobutadiene	1.67 U	0.873 U	1.47 U	0.87 U	1.33 U	
Isopropanol	3.58	83.6	3.27	189 J	61.0	
m,p-Xylene	3.84	1.46	4.37	1.25	1.34	
Methyl Ethyl Ketone (2-Butanone)	2.50	0.937	1.29	1.81	0.605	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.642 U	0.335 U	0.997	0.334 U	0.51 U	
Methylene Chloride	2.05	0.870	2.59	0.767	0.763 J	
Naphthalene	1.06 J	0.656 J	1.19 J	0.856 J	0.745 U	
N-Heptane	0.325 U	1.18	0.286 U	0.169 U	0.258 U	
N-Hexane	0.520 U	0.475	0.457 U	0.778	0.568	
O-Xylene (1,2-Dimethylbenzene)	1.28	0.585	1.83	0.500	0.509 J	
Styrene	0.707 J	0.242 U	0.898	1.06	0.368 U	
Tert-Butyl Methyl Ether	0.645 U	0.337 U	0.567 U	0.336 U	0.512 U	
Tetrachloroethylene (PCE)	3.38	0.718	9.35	0.319 U	0.487 U	
Tetrahydrofuran	0.288 U	0.151 U	0.67 J	0.15 U	0.229 U	

**Table C-3 GC004 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC004		GC004	GC004	GC004
	Location ID:	GC004-SV01	GC004-BA01	GC004-SV02	GC004-BA02	GC004-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	11/9/2023	11/9/2023	11/9/2023	11/9/2023	11/9/2023
Toluene		8.20	1.63	8.19	1.59	1.38
Trans-1,2-Dichloroethene		0.578 U	0.302 U	0.508 U	0.301 U	0.459 U
Trans-1,3-Dichloropropene		0.77 U	0.402 U	0.677 U	0.401 U	0.612 U
Trichloroethylene (TCE)		0.694	0.129 U	0.436	0.129 U	0.197 U
Trichlorofluoromethane		1.35	1.52 UJ	1.37	2.59	1.32
Vinyl Bromide		0.774 U	0.404 U	0.681 U	0.403 U	0.615 U
Vinyl Chloride		0.207 U	0.108 U	0.207	0.108 U	0.165 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

Bold numbers indicate that the chemical was detected.

**Table C-4 GC005 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC005			
	Location ID:	GC005-SV01	GC005-SV01	GC005-BA01	GC005-OA01
	Sample Type:	Normal	Duplicate	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	11/7/2023	11/7/2023	11/7/2023	11/7/2023
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	1.45 U	0.703 U	0.457 U	0.337 U	
1,1,2,2-Tetrachloroethane	1.05 U	0.505 U	0.329 U	0.242 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	2.34 U	1.13 U	0.734 U	0.541 U	
1,1,2-Trichloroethane	0.745 U	0.360 U	0.234 U	0.172 U	
1,1-Dichloroethane	4.62	3.04 J-	0.335 U	0.247 U	
1,1-Dichloroethene	0.315 U	0.152 U	0.0988 U	0.0729 U	
1,2,4-Trichlorobenzene	1.86 U	1.59 J-	0.585 UJ	0.431 UJ	
1,2,4-Trimethylbenzene	4.52	3.54 J-	3.87 J-	0.253 J-	
1,2-Dibromoethane (Ethylene Dibromide)	0.975 U	0.471 U	0.306 U	0.226 U	
1,2-Dichlorobenzene	1.24 U	0.599 U	0.390 U	0.287 U	
1,2-Dichloroethane	0.796 U	0.385 U	0.444 J-	0.184 U	
1,2-Dichloropropane	0.748 U	0.362 UJ	0.235 U	0.173 U	
1,2-Dichlorotetrafluoroethane	2.17 U	1.05 UJ	0.683 U	0.504 U	
1,3,5-Trimethylbenzene (Mesitylene)	2.81	2.04 J-	1.86 J-	0.195 U	
1,3-Butadiene	0.267 U	0.129 UR	0.0838 U	0.0618 U	
1,3-Dichlorobenzene	1.28 U	0.618 U	0.402 U	0.296 U	
1,4-Dichlorobenzene	1.14 U	0.922 J-	0.420 J-	0.265 U	
1,4-Dioxane (P-Dioxane)	0.949 U	0.459 U	0.298 U	0.22 U	
2-Hexanone	0.533 U	0.258 UJ	0.167 U	0.123 U	
4-Ethyltoluene	3.12	2.49 J-	2.99 J-	0.275 U	
Acetone	198	141 J-	104 J-	16.4 J-	
Allyl Chloride (3-Chloropropene)	0.755 U	0.365 U	0.237 U	0.175 U	
Benzene	1.00 U	7.30 J-	0.315 U	0.517 J-	
Benzyl Chloride	0.887 U	0.429 U	0.279 U	0.205 U	
Bromodichloromethane	0.723 U	0.349 U	0.267 J-	0.167 U	
Bromoform	1.61 UJ	0.777 U	0.505 U	0.372 U	
Bromomethane	1.21 U	0.584 U	0.379 U	0.28 U	
Carbon Disulfide	32.9	24.8 J-	0.404 J-	0.215 U	
Carbon Tetrachloride	0.499 U	0.241 UJ	0.439 J-	0.416 J-	
Chlorobenzene	20.0	13.6 J-	0.257 U	0.189 U	
Chloroethane	0.536 U	0.259 U	0.168 U	0.124 U	
Chloroform	1.43 U	0.689 UJ	4.24 J-	0.33 U	
Chloromethane (Methyl Chloride)	10.9 J	0.253 J-	1.89 J-	1.44 J-	
Cis-1,2-Dichloroethylene	20.0	15.8 J-	0.0988 U	0.0729 U	
Cis-1,3-Dichloropropene	0.591 U	0.285 U	0.186 U	0.137 U	
Cyclohexane	295	239 J-	0.858 J-	0.329 J-	
Dibromochloromethane	1.32 U	0.640 U	0.416 U	0.307 U	
Dichlorodifluoromethane	1.41 U	1.44 J-	2.66 J-	2.65 J-	
Ethylbenzene	11.0	7.46 J-	3.20 J-	0.479 J-	
Hexachlorobutadiene	2.88 UJ	1.39 UJ	0.904 UJ	0.666 UJ	
Isopropanol	39.2	63.4 J-	18.0 J-	21.3 J-	
m,p-Xylene	19.6	14.1 J-	9.05 J-	1.47 J-	

**Table C-4 GC005 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC005			
	Location ID:	GC005-SV01	GC005-SV01	GC005-BA01	GC005-OA01
	Sample Type:	Normal	Duplicate	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	11/7/2023	11/7/2023	11/7/2023	11/7/2023
Methyl Ethyl Ketone (2-Butanone)	17.2	12.7 J-	3.44 J-	1.04 J-	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.11 U	0.534 UJ	0.408 J-	0.256 U	
Methylene Chloride	0.772 U	15.0 J-	113 J-	1.51 J-	
Naphthalene	1.61 U	1.77 J-	0.507 UJ	0.374 UJ	
N-Heptane	0.559 U	19.6 J-	4.33 J-	0.602 J-	
N-Hexane	140	100 J-	0.808 J-	0.777 J-	
O-Xylene (1,2-Dimethylbenzene)	7.99	5.53 J-	2.99 J-	0.447 J-	
Styrene	2.43 J	1.89 J-	1.27 J-	0.185 U	
Tert-Butyl Methyl Ether	1.11 U	0.536 UJ	0.349 U	0.257 U	
Tetrachloroethylene (PCE)	2.37 J	5.41 J-	2.57 J-	0.598 J-	
Tetrahydrofuran	0.496 U	9.00 J-	0.156 U	0.115 U	
Toluene	29.5	31.7 J-	6.50 J-	1.69 J-	
Trans-1,2-Dichloroethene	2.89	2.13 J-	0.312 U	0.23 U	
Trans-1,3-Dichloropropene	1.33 U	0.641 U	0.416 U	0.307 U	
Trichloroethylene (TCE)	5.46 B	0.206 U	2.14 J-	0.0987 U	
Trichlorofluoromethane	1.36 U	0.69.0 J-	1.57 J-	1.24 J-	
Vinyl Bromide	1.33 U	0.644 UJ	0.419 U	0.309 U	
Vinyl Chloride	0.357 U	9.96 J-	0.112 U	0.0939 J-	

Key:

Qualifiers

J = Estimated value

J- = Estimated value with low bias

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

UR = Not detected/result is unusable

Other

µg/m³ = Micrograms per cubic meter

Bold numbers indicate that the chemical was detected.

**Table C-5 GC006 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC006				
	Location ID:	GC006-SV01	GC006-FA01	GC006-SV02	GC006-FA02	GC006-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	Sub-slab Vapor	First Floor Air	Outdoor Air
	Date:	11/9/2023	11/9/2023	11/9/2023	11/9/2023	11/9/2023
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.43 J	0.44 J	0.45 J	0.43 J	0.44 J	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	1.7	0.86 J	2.4	0.94 J	0.66 J	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.47 J	0.23 U	0.40 J	0.23 U	0.23 U	
1,3-Butadiene	0.30 J	0.086 U	0.30 J	0.086 U	0.086 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	0.54 U	0.54 U	0.73 J	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.34 J	0.72 J	0.30 U	
2-Hexanone	6.4	0.61 U	1.8 J	0.61 U	0.61 U	
4-Ethyltoluene	0.30 J	0.24 U	0.28 J	0.24 U	0.24 U	
Acetone	190	8.7 J	66	17	4.6 J	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	
Benzene	0.61 J	2.4	1.0	1.4	0.83	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	4.8	0.40 U	6.4	1.9	0.56 J	
Carbon Tetrachloride	0.25	0.4	0.21 J	0.40	0.37	
Chlorobenzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	
Chloroform	1.9	0.67 J	0.73 J	0.47 J	0.2 U	
Chloromethane (Methyl Chloride)	0.32 J	0.96 J	0.33 J	1.2	0.96 J	
Cis-1,2-Dichloroethylene	0.69	0.083 U	0.083 U	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	
Cyclohexane	0.20 U	1.1	0.29 J	0.8	0.2 U	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	2.4 J	1.7 J	2.1 J	1.6 J	1.6 J	
Ethylbenzene	1.0	0.73 J	1.1	0.69 J	0.71 J	
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Isopropanol	13	3.9 U	16	9.7 J	3.9 U	
m,p-Xylene	4.1	1.9 J	4.3	1.8 J	1.1 J	
Methyl Ethyl Ketone (2-Butanone)	28	1.4 U	9.1	2.4	1.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	35	0.53 U	1.9 J	0.53 U	0.53 U	
Methylene Chloride	0.82 J	0.63 U	1.1 J	0.82 J	0.82 J	
Naphthalene	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	
N-Heptane	24	2.1	3.9	2.2	0.27 J	
N-Hexane	0.62 J	3.9	3.7	2.4	0.54 J	
O-Xylene (1,2-Dimethylbenzene)	1.3	0.69 J	1.5	0.66 J	0.37 J	
Styrene	0.70 J	0.25 U	0.95	0.25 U	0.25 U	

**Table C-5 GC006 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC006				
	Location ID:	GC006-SV01	GC006-FA01	GC006-SV02	GC006-FA02	GC006-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	Sub-slab Vapor	First Floor Air	Outdoor Air
	Date:	11/9/2023	11/9/2023	11/9/2023	11/9/2023	11/9/2023
Tert-Butyl Methyl Ether		0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Tetrachloroethylene (PCE)		81	0.39 J	4.5	0.89 J	0.16 J
Tetrahydrofuran		3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Toluene		13	4.8	13	3.8	1.4
Trans-1,2-Dichloroethene		0.091 U	0.42 J	0.14 J	0.46 J	0.091 U
Trans-1,3-Dichloropropene		0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Trichloroethylene (TCE)		470	0.28	12	0.6	0.13 U
Trichlorofluoromethane		1.3	1.2	1.1	1.1	1.1
Vinyl Bromide		0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Vinyl Chloride		0.054 U	0.054 U	0.054 U	0.054 U	0.054 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m3 = Micrograms per cubic meter

Bold numbers indicate that the chemical was detected.

**Table C-6 GC007 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC007-BA01 Normal Basement Air 2/26/2024	GC007 GC007-BA02 Normal Basement Air 2/26/2024	GC007-BA03 Normal Basement Air 2/26/2024
Analyte			
VOCs by Method TO15 (µg/m3)			
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.41 U	0.41 U	0.47 J
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U
1,2,4-Trimethylbenzene	0.84 J	0.93 J	1.0
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U
1,3,5-Trimethylbenzene (Mesitylene)	0.24 J	0.23 U	0.28 J
1,3-Butadiene	0.086 U	0.086 U	0.23 J
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U
1,4-Dichlorobenzene	0.54 U	0.54 U	0.54 U
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.30 U
2-Hexanone	0.61 U	0.61 U	0.61 U
4-Ethyltoluene	0.24 U	0.24 U	0.25 J
Acetone	64	76	46
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U
Benzene	0.89	0.88	1.6
Benzyl Chloride	0.46 U	0.46 U	0.46 U
Bromodichloromethane	0.34 U	0.34 U	0.34 U
Bromoform	1.2 U	1.2 U	1.2 U
Bromomethane	0.28 U	0.28 U	0.28 U
Carbon Disulfide	0.40 U	0.40 U	0.40 U
Carbon Tetrachloride	0.21 J	0.17 J	0.40
Chlorobenzene	0.20 U	0.20 U	0.20 U
Chloroethane	0.47 U	0.47 U	0.47 U
Chloroform	0.69 J	1.2	0.57 J
Chloromethane (Methyl Chloride)	0.72 J	1.2	1.2
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.083 U
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U
Cyclohexane	0.20 U	0.34 J	0.58 J
Dibromochloromethane	0.54 U	0.54 U	0.54 U
Dichlorodifluoromethane	1.8 J	1.8 J	2.1 J
Ethylbenzene	0.74 J	0.83 J	1.2
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U
Isopropanol	53	170	25
m,p-Xylene	1.8 J	2.2	2.9
Methyl Ethyl Ketone (2-Butanone)	1.7	1.8	2.4
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.53 U	0.53 U	0.94 J
Methylene Chloride	0.63 U	0.63 U	0.70 J
Naphthalene	1.6 U	1.6 U	1.6 U
N-Heptane	0.77 J	0.91	1.5
N-Hexane	0.39 U	1.5 J	0.85 J
O-Xylene (1,2-Dimethylbenzene)	0.62 J	0.75 J	1.3
Styrene	0.32 J	0.28 J	0.25 J

**Table C-6 GC007 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC007		
	Location ID:	GC007-BA01	GC007-BA02	GC007-BA03
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Basement Air	Basement Air
	Date:	2/26/2024	2/26/2024	2/26/2024
Tert-Butyl Methyl Ether		0.13 U	0.13 U	0.13 U
Tetrachloroethylene (PCE)		0.74 J	0.14 U	0.49 J
Tetrahydrofuran		3.8 U	3.8 U	3.8 U
Toluene		3.1	3.1	4.1
Trans-1,2-Dichloroethene		0.091 U	0.091 U	0.091 U
Trans-1,3-Dichloropropene		0.25 U	0.25 U	0.25 U
Trichloroethylene (TCE)		0.13 U	0.13 U	0.13 U
Trichlorofluoromethane		1.1	1.0 J	1.1
Vinyl Bromide		0.22 U	0.22 U	0.22 U
Vinyl Chloride		0.054 U	0.054 U	0.054 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-7 GC008 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC008			
	Location ID:	GC008-SV01	GC008-FA01	GC008-FA01	GC008-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	First Floor Air	Outdoor Air
	Date:	12/18/2023	12/18/2023	12/18/2023	12/18/2023
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U	2.3 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.41 U	0.41 U	0.41 U	3.8 U	
1,1,2-Trichloroethane	58	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	0.95 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	0.97 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	23 U	
1,2,4-Trimethylbenzene	0.39 U	0.57 J	0.65 J	3.7 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	3.0 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	3.5 U	
1,2-Dichloropropane	6.4	0.43 U	0.43 U	4.1 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	3.2 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.23 U	0.23 U	0.23 U	2.2 U	
1,3-Butadiene	0.086 U	0.086 U	0.086 U	0.81 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	4.2 U	
1,4-Dichlorobenzene	0.54 U	0.54 U	0.54 U	5.0 U	
1,4-Dioxane (P-Dioxane)	2.2 J	0.30 U	0.30 U	2.8 U	
2-Hexanone	3.1 U	0.61 U	0.61 U	5.8 U	
4-Ethyltoluene	0.24 U	0.24 U	0.24 U	2.3 U	
Acetone	390	20	28	36 U	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	3.5 U	
Benzene	1.0	0.41 J	0.53 J	1.3 U	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	4.3 U	
Bromodichloromethane	0.34 U	0.34 U	0.34 U	3.2 U	
Bromoform	1.2 U	1.2 U	1.2 U	12 U	
Bromomethane	0.28 U	0.28 U	0.28 U	2.6 U	
Carbon Disulfide	5.7	0.40 U	3.1	3.8 U	
Carbon Tetrachloride	0.51	0.31	0.36	1.3 U	
Chlorobenzene	0.20 U	0.20 U	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	4.5 U	
Chloroform	10	1.5	1.9	1.9 U	
Chloromethane (Methyl Chloride)	0.97 J	1.1	1.9	2.9 U	
Cis-1,2-Dichloroethylene	11	0.083 U	0.083 U	0.78 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	
Cyclohexane	1.1	0.20 U	0.25 J	1.9 U	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	5.1 U	
Dichlorodifluoromethane	2.4 J	1.6 J	1.7 J	5.1 U	
Ethylbenzene	2.3	0.30 U	0.32 J	2.8 U	
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	11 U	
Isopropanol	290	21	20	37 U	
m,p-Xylene	6.0	0.49 J	0.89 J	3.9 U	
Methyl Ethyl Ketone (2-Butanone)	45	1.5	2.4	14 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2.7 U	0.53 U	0.53 U	5.0 U	
Methylene Chloride	2.1	0.72 J	0.63 U	5.9 U	

**Table C-7 GC008 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC008			
	Location ID:	GC008-SV01	GC008-FA01	GC008-FA01	GC008-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	First Floor Air	Outdoor Air
	Date:	12/18/2023	12/18/2023	12/18/2023	12/18/2023
Naphthalene	1.6 U	1.6 U	1.6 U	15 U	
N-Heptane	48	0.45 J	0.71 J	2.1 U	
N-Hexane	1.9	0.45 J	0.52 J	3.7 U	
O-Xylene (1,2-Dimethylbenzene)	2.8	0.27 U	0.34 J	2.6 U	
Styrene	91	0.25 U	0.25 U	2.4 U	
Tert-Butyl Methyl Ether	0.13 U	0.13 U	0.13 U	1.2 U	
Tetrachloroethylene (PCE)	25	0.28 J	0.79 J	1.5 J	
Tetrahydrofuran	3.8 U	3.8 U	3.8 U	36 U	
Toluene	27	1.0	1.7	2.2 U	
Trans-1,2-Dichloroethene	0.68 J	0.091 U	0.091 U	0.86 U	
Trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	2.3 U	
Trichloroethylene (TCE)	710	1.5	1.5	1.3 U	
Trichlorofluoromethane	1.6	0.93 J	1.1	2.6 U	
Vinyl Bromide	0.22 U	0.22 U	0.22 U	2.1 U	
Vinyl Chloride	0.054 U	0.055 J	0.054 U	0.51 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

Bold numbers indicate that the chemical was detected.

**Table C-8 GC012 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC012		
	Location ID:	GC012-BA01	GC012-FA01	GC012-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	3/19/2024	3/19/2024	3/19/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.42 J	0.46 J	0.45 J	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	0.39 U	0.39 U	0.39 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.23 U	0.23 U	0.23 U	
1,3-Butadiene	0.19 J	0.27 J	0.086 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	0.54 U	0.55 J	0.54 U	
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.30 U	
2-Hexanone	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	0.24 U	0.24 U	0.24 U	
Acetone	94	97	5.8 J	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	
Benzene	0.53 J	0.59 J	0.32 J	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	0.69 J	0.40 U	0.40 U	
Carbon Tetrachloride	0.43	0.20 J	0.41	
Chlorobenzene	0.20 U	0.58 J	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	
Chloroform	1.1	1.2	0.20 U	
Chloromethane (Methyl Chloride)	1.4	1.5	1.2	
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	
Cyclohexane	0.20 U	0.20 U	0.20 U	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	2.7	2.2 J	2.3 J	
Ethylbenzene	0.30 U	0.30 U	0.30 U	

**Table C-8 GC012 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC012		
	Location ID:	GC012-BA01	GC012-FA01	GC012-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	3/19/2024	3/19/2024	3/19/2024
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	
Isopropanol	15	19	3.9 U	
m,p-Xylene	0.47 J	0.70 J	0.41 U	
Methyl Ethyl Ketone (2-Butanone)	1.4 U	1.4 U	1.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.53 U	0.53 U	0.53 U	
Methylene Chloride	2.3	0.63 U	0.63 U	
Naphthalene	1.6 U	1.6 U	1.6 U	
N-Heptane	0.33 J	0.39 J	0.23 U	
N-Hexane	0.74 J	0.39 U	0.39 U	
O-Xylene (1,2-Dimethylbenzene)	0.27 U	0.27 U	0.27 U	
Styrene	0.25 U	0.25 U	0.25 U	
Tert-Butyl Methyl Ether	0.13 U	0.13 U	0.13 U	
Tetrachloroethylene (PCE)	0.28 J	0.26 J	0.14 U	
Tetrahydrofuran	3.8 U	3.8 U	3.8 U	
Toluene	0.79	1.0	0.52 J	
Trans-1,2-Dichloroethene	0.83	1.2	0.091 U	
Trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	
Trichloroethylene (TCE)	0.13 U	0.13 U	0.13 U	
Trichlorofluoromethane	1.2	1.2	1.2	
Vinyl Bromide	0.22 U	0.22 U	0.22 U	
Vinyl Chloride	0.054 U	0.054 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-9 GC013 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC013			
	GC013-SV01	GC013-BA01	GC013-BA01	GC013-OA01
	Normal	Normal	Duplicate	Normal
	Sub-slab Vapor	Basement Air	Basement Air	Outdoor Air
	11/7/2023	11/7/2023	11/7/2023	11/7/2023
Analyte				
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.627 U	0.424 U	0.443 U	0.425 U
1,1,2,2-Tetrachloroethane	0.450 U	0.305 U	0.318 U	0.305 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.01 U	0.681 U	0.711 U	0.682 U
1,1,2-Trichloroethane	0.321 U	0.217 U	0.227 U	0.217 U
1,1-Dichloroethane	0.459 U	0.311 U	0.325 U	0.311 U
1,1-Dichloroethene	0.135 U	0.0917 U	0.0958 U	0.0919 U
1,2,4-Trichlorobenzene	0.801 UJ	0.542 UJ	0.566 UJ	0.543 UJ
1,2,4-Trimethylbenzene	2.02 J-	0.273 U	0.285 U	0.273 J-
1,2-Dibromoethane (Ethylene Dibromide)	0.420 U	0.284 U	0.297 U	0.285 U
1,2-Dichlorobenzene	0.534 U	0.361 U	0.378 U	0.362 U
1,2-Dichloroethane	2.77 J-	0.232 U	0.242 U	0.233 U
1,2-Dichloropropane	0.379 J-	0.218 U	0.228 U	0.218 U
1,2-Dichlorotetrafluoroethane	0.937 U	0.634 U	0.662 U	0.635 U
1,3,5-Trimethylbenzene (Mesitylene)	1.41 J-	0.246 U	0.256 U	0.246 U
1,3-Butadiene	0.115 U	0.0778 U	0.0812 U	0.0779 U
1,3-Dichlorobenzene	0.551 U	0.373 U	0.389 U	0.373 U
1,4-Dichlorobenzene	0.575 J-	9.41 J-	9.70 J-	0.334 U
1,4-Dioxane (P-Dioxane)	0.409 U	0.277 U	0.289 U	0.277 U
2-Hexanone	0.230 U	0.155 U	0.162 U	0.156 U
4-Ethyltoluene	1.68 J-	0.346 U	0.361 U	0.346 U
Acetone	92.4 J-	16.9 J-	10.6 J-	11.6 J-
Allyl Chloride (3-Chloropropene)	0.325 U	0.220 U	0.230 U	0.221 U
Benzene	0.432 U	0.293 U	0.432 J-	0.503 J-
Benzyl Chloride	0.382 U	0.259 U	0.270 U	0.259 U
Bromodichloromethane	0.311 U	0.211 U	0.220 U	0.211 U
Bromoform	0.692 U	0.469 U	0.489 U	0.470 U
Bromomethane	0.520 U	0.352 U	0.368 U	0.353 U
Carbon Disulfide	6.13 J-	0.271 U	0.283 U	0.271 U
Carbon Tetrachloride	0.215 U	0.145 U	0.365 J-	0.350 J-
Chlorobenzene	0.352 U	0.238 U	0.249 U	0.239 U
Chloroethane	0.231 U	0.156 U	0.163 U	0.157 U
Chloroform	0.614 U	0.416 U	0.434 U	0.416 U
Chloromethane (Methyl Chloride)	0.395 J-	0.0936 U	1.32 J-	1.28 J-
Cis-1,2-Dichloroethylene	0.135 U	0.0917 U	0.0958 U	0.0919 U
Cis-1,3-Dichloropropene	0.254 U	0.172 U	0.180 U	0.173 U
Cyclohexane	0.405 U	0.274 U	0.286 U	0.274 U
Dibromochloromethane	0.571 U	0.386 U	0.403 U	0.387 U
Dichlorodifluoromethane	2.77 J-	0.412 U	2.10 J-	1.93 J-
Ethylbenzene	1.66 J-	0.277 U	0.336 J-	0.604 J-
Hexachlorobutadiene	1.24 UJ	0.839 UJ	0.876 UJ	0.840 UJ
Isopropanol	9.61 J-	16.2 J-	3.23 J-	4.33 J-
m,p-Xylene	6.47 J-	0.574 U	1.01 J-	2.29 J-
Methyl Ethyl Ketone (2-Butanone)	7.46 J-	0.161 U	0.769 J-	1.07 J-
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.57 J-	0.322 U	0.336 U	0.323 U

**Table C-9 GC013 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC013			
	Location ID:	GC013-SV01	GC013-BA01	GC013-BA01	GC013-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	Outdoor Air
	Date:	11/7/2023	11/7/2023	11/7/2023	11/7/2023
Methylene Chloride	1.52 J-	0.225 U	0.570 J-	0.676 J-	
Naphthalene	1.07 J-	0.47 UJ	0.491 UJ	0.471 UJ	
N-Heptane	0.241 U	0.163 U	0.170 U	0.163 U	
N-Hexane	0.385 J-	0.261 U	0.34 J-	0.457 J-	
O-Xylene (1,2-Dimethylbenzene)	2.49 J-	0.0964 U	0.336 J-	0.885 J-	
Styrene	0.990 J-	0.232 U	0.243 U	0.233 U	
Tert-Butyl Methyl Ether	0.478 U	0.323 U	0.338 U	0.324 U	
Tetrachloroethylene (PCE)	99.0 J-	0.307 U	0.852 J-	0.377 J-	
Tetrahydrofuran	1.49 J-	0.145 U	0.151 U	0.145 U	
Toluene	16.8 J-	0.206 U	1.16 J-	3.81 J-	
Trans-1,2-Dichloroethene	0.428 U	0.290 U	0.303 U	0.290 U	
Trans-1,3-Dichloropropene	0.571 U	0.386 U	0.403 U	0.387 U	
Trichloroethylene (TCE)	5.14 J-	0.124 U	0.130 U	0.125 U	
Trichlorofluoromethane	1.23 J-	0.395 U	1.03 J-	1.04 J-	
Vinyl Bromide	0.574 U	0.388 U	0.406 U	0.389 U	
Vinyl Chloride	0.154 U	0.104 U	0.109 U	0.104 U	

Key:

Qualifiers

J- = Estimated value with low bias

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

Bold numbers indicate that the chemical was detected.

**Table C-10 GC015 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID:	GC015		
Location ID:	GC015-FA01	GC015-FA01	GC015-OA01
Sample Type:	Normal	Duplicate	Normal
Sample Matrix:	First Floor Air	First Floor Air	Outdoor Air
Date:	11/28/2023	11/28/2023	11/28/2023
Analyte			
VOCs by Method TO15 (µg/m3)			
1,1,1-Trichloroethane (TCA)	0.397 U	0.509 U	0.378 U
1,1,2,2-Tetrachloroethane	0.285 U	0.366 U	0.272 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.637 U	0.817 U	0.606 U
1,1,2-Trichloroethane	0.203 U	0.261 U	0.193 U
1,1-Dichloroethane	0.291 U	0.373 U	0.277 U
1,1-Dichloroethene	0.0858 U	0.110 U	0.0817 U
1,2,4-Trichlorobenzene	0.508 UJ	0.651 UJ	0.483 UJ
1,2,4-Trimethylbenzene	1.19 J-	1.26 J-	0.243 U
1,2-Dibromoethane (Ethylene Dibromide)	0.266 U	0.341 U	0.253 U
1,2-Dichlorobenzene	0.338 U	0.434 U	0.322 U
1,2-Dichloroethane	0.217 U	0.279 U	0.207 U
1,2-Dichloropropane	0.204 U	0.262 U	0.194 U
1,2-Dichlorotetrafluoroethane	0.593 UJ	0.761 UJ	0.565 UJ
1,3,5-Trimethylbenzene (Mesitylene)	0.426 J-	0.492 J-	0.219 U
1,3-Butadiene	0.0728 UJ	0.0934 UJ	0.0693 UJ
1,3-Dichlorobenzene	0.349 U	0.448 U	0.332 U
1,4-Dichlorobenzene	0.312 U	0.401 U	0.297 U
1,4-Dioxane (P-Dioxane)	0.259 U	0.332 U	0.246 U
2-Hexanone	0.319 J-	0.228 J-	0.138 U
4-Ethyltoluene	0.851 J-	0.874 J-	0.308 U
Acetone	33.4 J-	39.1 J-	3.64 J-
Allyl Chloride (3-Chloropropene)	0.206 U	0.264 U	0.196 U
Benzene	0.83 J-	0.923 J-	0.553 J-
Benzyl Chloride	0.986 J-	0.311 U	0.230 U
Bromodichloromethane	0.197 U	0.253 U	0.188 U
Bromoform	0.439 U	0.563 U	0.417 U
Bromomethane	0.330 U	0.423 U	0.314 U
Carbon Disulfide	0.254 U	0.325 U	0.241 U
Carbon Tetrachloride	0.49 J-	0.489 J-	0.518 J-
Chlorobenzene	0.223 U	0.286 U	0.212 U
Chloroethane	0.146 U	0.188 U	0.139 U
Chloroform	0.973 J-	0.922 J-	0.370 U
Chloromethane (Methyl Chloride)	1.23 J-	1.06 J-	0.545 J-
Cis-1,2-Dichloroethylene	0.0858 U	0.110 U	0.261 J-
Cis-1,3-Dichloropropene	0.161 U	0.207 U	0.153 U
Cyclohexane	0.268 J-	0.344 J-	0.244 U
Dibromochloromethane	0.361 U	0.464 U	0.344 U
Dichlorodifluoromethane	1.93 J-	2.14 J-	2.16 J-
Ethylbenzene	0.526 J-	0.627 J-	0.247 U

**Table C-10 GC015 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

	Location ID:	GC015-FA01	GC015-FA01	GC015-OA01
	Sample Type:	Normal	Duplicate	Normal
	Sample Matrix:	First Floor Air	First Floor Air	Outdoor Air
	Date:	11/28/2023	11/28/2023	11/28/2023
Analyte				
Hexachlorobutadiene		0.785 UJ	1.01 UJ	0.747 UJ
Isopropanol		16.8 J-	28.9 J-	1.03 J-
m,p-Xylene		1.39 J-	1.98 J-	0.512 U
Methyl Ethyl Ketone (2-Butanone)		1.74 J-	1.67 J-	0.413 J-
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		0.887 J-	0.819 J-	0.287 U
Methylene Chloride		1.11 J-	1.00 J-	0.515 J-
Naphthalene		0.440 U	0.565 U	0.419 U
N-Heptane		0.852 J-	1.23 J-	0.236 J-
N-Hexane		0.794 J-	0.901 J-	0.349 J-
O-Xylene (1,2-Dimethylbenzene)		0.639 J-	0.772 J-	0.143 J-
Styrene		0.369 J-	0.379 J-	0.207 U
Tert-Butyl Methyl Ether		0.303 U	0.389 U	0.288 U
Tetrachloroethylene (PCE)		0.705 J-	1.13 J-	0.671 J-
Tetrahydrofuran		0.135 U	0.174 U	0.129 U
Toluene		2.84 J-	3.01 J-	0.745 J-
Trans-1,2-Dichloroethene		3.19 J-	3.04 J-	0.258 U
Trans-1,3-Dichloropropene		0.362 U	0.464 U	0.344 U
Trichloroethylene (TCE)		0.116 U	0.239 J-	0.266 J-
Trichlorofluoromethane		1.27 J-	1.31 J-	1.39 J-
Vinyl Bromide		0.364 U	0.467 U	0.346 U
Vinyl Chloride		0.0974 UR	0.125 UR	0.0927 UR

Key:

Qualifiers

J- = Estimated value with low bias

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

UR = Not detected/result is rejected

Other

µg/m³ = Micrograms per cubic meter

Bold numbers indicate that the chemical was detected.

**Table C-11 GC016 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC016		
	Location ID:	GC016-SV01	GC016-FA01	GC016-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	Outdoor Air
	Date:	11/8/2023	11/8/2023	11/8/2023
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.82 J	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.43 J	0.43 J	0.43 J	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	3.3	4.7	0.39 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.2	0.65 J	0.23 U	
1,3-Butadiene	0.086 U	0.11 J	0.086 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	0.72 J	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.30 U	
2-Hexanone	0.61 U	0.76 J	0.61 U	
4-Ethyltoluene	0.36 J	0.36 J	0.24 U	
Acetone	47	88	7.9 J	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	
Benzene	0.45 J	0.77	0.46 J	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.50 J	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	9.3	0.68 J	0.40 U	
Carbon Tetrachloride	0.37	0.42	0.29	
Chlorobenzene	0.20 U	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	
Chloroform	15	5.9	0.20 U	
Chloromethane (Methyl Chloride)	0.31 U	1.4	0.95 J	
Cis-1,2-Dichloroethylene	0.82	0.10 J	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	
Cyclohexane	0.20 U	0.48 J	0.3 J	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	1.5 J	1.5 J	1.5 J	

**Table C-11 GC016 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

	Location ID:	GC016-SV01	GC016-FA01	GC016-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	Outdoor Air
	Date:	11/8/2023	11/8/2023	11/8/2023
Analyte				
Ethylbenzene		1.1	1.9	0.30 U
Hexachlorobutadiene		1.2 U	1.2 U	1.2 U
Isopropanol		3.9 J	14	3.9 U
m,p-Xylene		4.3	6.6	0.93 J
Methyl Ethyl Ketone (2-Butanone)		3.7	5.9	1.4 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		0.82 J	0.53 U	0.53 U
Methylene Chloride		3.0	5.5	0.76 J
Naphthalene		6.5	1.6 U	1.6 U
N-Heptane		0.93	9.3	0.45 J
N-Hexane		0.45 J	1.2 J	1.7 J
O-Xylene (1,2-Dimethylbenzene)		1.9	2.5	0.38 J
Styrene		0.74 J	3.2	0.25 U
Tert-Butyl Methyl Ether		0.13 U	0.13 U	0.13 U
Tetrachloroethylene (PCE)		32	1.3 J	0.8 J
Tetrahydrofuran		3.8 U	3.8 U	3.8 U
Toluene		12	4.5	1.1
Trans-1,2-Dichloroethene		0.14 J	0.091 U	0.091 U
Trans-1,3-Dichloropropene		0.25 U	0.25 U	0.25 U
Trichloroethylene (TCE)		450	3.4	0.13 U
Trichlorofluoromethane		1.7	1.4	1.1
Vinyl Bromide		0.22 U	0.22 U	0.22 U
Vinyl Chloride		0.054 U	0.054 U	0.054 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

Bold numbers indicate that the chemical was detected.

**Table C-12 GC018 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC018			
	GC018-SV01	GC018-BA01	GC018-FA01	GC018-OA01
	Normal	Normal	Normal	Normal
	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	12/5/2023	12/5/2023	12/5/2023	12/5/2023
Analyte				
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	2.0 U	0.20 U	0.20 U	0.20 U
1,1,2,2-Tetrachloroethane	3.3 U	0.33 U	0.33 U	0.33 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	2.4 U	0.24 U	0.24 U	0.24 U
1,1,2-Trichloroethane	2.1 U	0.21 U	0.21 U	0.21 U
1,1-Dichloroethane	2.3 U	0.23 U	0.23 U	0.23 U
1,1-Dichloroethene	2.3 U	0.23 U	0.23 U	0.23 U
1,2,4-Trichlorobenzene	8.9 U	0.89 U	0.89 U	0.89 U
1,2,4-Trimethylbenzene	39	0.69 J	1.4	0.49 J
1,2-Dibromoethane (Ethylene Dibromide)	2.3 U	0.23 U	0.23 U	0.23 U
1,2-Dichlorobenzene	4.1 U	0.41 U	0.41 U	0.41 U
1,2-Dichloroethane	2.8 U	0.28 U	0.28 U	0.28 U
1,2-Dichloropropane	2.9 U	0.29 U	0.29 U	0.29 U
1,2-Dichlorotetrafluoroethane	3.5 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene (Mesitylene)	11	0.39 U	0.54 J	0.39 U
1,3-Butadiene	1.9 U	0.19 U	0.19 U	0.38 J
1,3-Dichlorobenzene	2.4 U	0.24 U	0.24 U	0.24 U
1,4-Dichlorobenzene	4.7 U	2.2	2.2	0.47 U
1,4-Dioxane (P-Dioxane)	4.3 U	0.43 U	0.43 U	0.43 U
2-Hexanone	6.1 U	0.61 U	0.61 U	0.61 U
4-Ethyltoluene	6.9 J	0.47 U	0.47 U	0.47 U
Acetone	20	17	19	7.8
Allyl Chloride (3-Chloropropene)	2.6 U	0.26 U	0.26 U	0.26 U
Benzene	4.8 U	0.89	0.77	1.4
Benzyl Chloride	6.7 UJ	0.67 UJ	0.67 UJ	0.67 UJ
Bromodichloromethane	2.0 U	0.20 U	0.20 U	0.20 U
Bromoform	7.3 U	0.73 U	0.73 U	0.73 U
Bromomethane	2.7 U	0.27 U	0.27 U	0.27 U
Carbon Disulfide	12	0.14 U	0.14 U	0.14 U
Carbon Tetrachloride	2.5 U	0.25 U	0.25 U	0.25 U
Chlorobenzene	3.4 U	0.34 U	0.34 U	0.34 U
Chloroethane	1.8 U	0.18 U	0.18 U	0.18 U
Chloroform	5.4 J	2.9	0.18 U	0.18 U

**Table C-12 GC018 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC018			
	GC018-SV01	GC018-BA01	GC018-FA01	GC018-OA01
	Normal	Normal	Normal	Normal
	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	12/5/2023	12/5/2023	12/5/2023	12/5/2023
Analyte				
Chloromethane (Methyl Chloride)	1.9 U	1.0	1.0	1.2
Cis-1,2-Dichloroethylene	1.2 U	0.12 U	0.12 U	0.12 U
Cis-1,3-Dichloropropene	2.8 U	0.28 U	0.28 U	0.28 U
Cyclohexane	6.5 J	0.15 U	0.15 U	0.15 U
Dibromochloromethane	4.4 UJ	0.44 UJ	0.44 UJ	0.44 UJ
Dichlorodifluoromethane	4.9 U	1.9	2.0	1.9
Ethylbenzene	5.6 J	0.91	0.78 J	1.0
Hexachlorobutadiene	6.6 U	0.66 U	0.66 U	0.66 U
Isopropanol	3.4 U	4.9	3.2	1.2
M,P-Xylene (Sum Of Isomers)	17	1.7	1.8	1.8
Methyl Ethyl Ketone (2-Butanone)	3.2 U	1.9	2.4	5.9
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	3.0 U	0.30 U	0.30 U	0.30 U
Methylene Chloride	1.9 U	1.1	1.7	2.3
Naphthalene	6.8 U	7.9	8.9	0.68 U
N-Heptane	1.8 U	0.61 J	0.9	0.7 J
N-Hexane	1.8 U	0.63 J	0.7	1.4
O-Xylene (1,2-Dimethylbenzene)	11	0.65 J	0.69 J	0.74 J
Styrene	2.3 U	0.23 U	0.40 J	0.23 U
Tert-Butyl Methyl Ether	2.9 U	0.29 U	0.29 U	0.29 U
Tetrachloroethylene (PCE)	3.0	1.4	0.68	0.35
Tetrahydrofuran	2.7 U	0.27 U	0.27 U	20
Toluene	18	2.4	4.9	2.9
Trans-1,2-Dichloroethene	1.1 U	0.11 U	0.11 U	0.11 U
Trans-1,3-Dichloropropene	4.5 U	0.45 U	0.45 U	0.45 U
Trichloroethylene (TCE)	3.2	1.5	0.10 U	0.10 U
Trichlorofluoromethane	8.4 U	1.5	1.5	1.4
Vinyl Bromide	2.7 U	0.27 U	0.27 U	0.27 U
Vinyl Chloride	1.8 U	0.18 U	0.18 U	0.18 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

Bold numbers indicate that the chemical was detected.

**Table C-12 GC018 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC018			
	GC018-SV01	GC018-BA01	GC018-FA01	GC018-OA01
	Normal	Normal	Normal	Normal
	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	3/27/2024	3/27/2024	3/27/2024	3/27/2024
Analyte				
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	4.8 U	0.24 U	0.24 U	0.24 U
1,1,2,2-Tetrachloroethane	5.9 U	0.30 U	0.30 U	0.30 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	8.1 U	0.41 U	0.41 U	0.46 J
1,1,2-Trichloroethane	8.1 U	0.40 U	0.40 U	0.40 U
1,1-Dichloroethane	2.0 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	2.1 U	0.10 U	0.10 U	0.10 U
1,2,4-Trichlorobenzene	49 U	2.4 U	2.4 U	2.4 U
1,2,4-Trimethylbenzene	10 J	3.2	3.1	0.39 U
1,2-Dibromoethane (Ethylene Dibromide)	6.5 U	0.32 U	0.32 U	0.32 U
1,2-Dichlorobenzene	7.9 U	0.40 U	0.40 U	0.40 U
1,2-Dichloroethane	7.5 U	0.38 U	0.38 U	0.38 U
1,2-Dichloropropane	8.7 U	0.43 U	0.43 U	0.43 U
1,2-Dichlorotetrafluoroethane	6.7 U	0.34 U	0.34 U	0.34 U
1,3,5-Trimethylbenzene (Mesitylene)	4.6 U	0.92 J	1.0	0.23 U
1,3-Butadiene	1.7 U	0.11 J	0.11 J	0.23 J
1,3-Dichlorobenzene	8.9 U	0.44 U	0.56 J	0.44 U
1,4-Dichlorobenzene	11 U	1.0 J	0.90 J	0.54 U
1,4-Dioxane (P-Dioxane)	5.9 U	0.30 U	0.30 U	0.30 U
2-Hexanone	12 U	0.61 U	0.61 U	0.61 U
4-Ethyltoluene	4.8 U	0.70 J	0.72 J	0.24 U
Acetone	4500	16	15	13
Allyl Chloride (3-Chloropropene)	7.5 U	0.38 U	0.38 U	0.38 U
Benzene	5.0 J	1.4	1.2	1.7
Benzyl Chloride	9.1 U	0.46 U	0.46 U	0.46 U
Bromodichloromethane	6.7 U	0.34 U	0.34 U	0.34 U
Bromoform	25 U	1.2 U	1.2 U	1.2 U
Bromomethane	5.5 U	0.28 U	0.28 U	0.28 U
Carbon Disulfide	11 J	0.40 U	0.40 U	0.63 J
Carbon Tetrachloride	2.8 U	0.35	0.34	0.46
Chlorobenzene	4.1 U	0.20 U	0.20 U	0.20 U
Chloroethane	9.5 U	0.47 U	0.47 U	0.47 U
Chloroform	4.0 U	0.51 J	0.38 J	0.27 J

**Table C-12 GC018 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC018			
	GC018-SV01	GC018-BA01	GC018-FA01	GC018-OA01
	Normal	Normal	Normal	Normal
	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	3/27/2024	3/27/2024	3/27/2024	3/27/2024
Analyte				
Chloromethane (Methyl Chloride)	6.2 U	0.70 J	0.81 J	1.3
Cis-1,2-Dichloroethylene	1.7 U	0.083 U	0.083 U	0.083 U
Cis-1,3-Dichloropropene	4.1 U	0.20 U	0.20 U	0.20 U
Cyclohexane	37	0.75	0.77	0.69
Dibromochloromethane	11 U	0.54 U	0.54 U	0.54 U
Dichlorodifluoromethane	11 U	1.8 J	1.9 J	2.5
Ethylbenzene	6.0 U	0.30 U	0.30 U	0.57 J
Hexachlorobutadiene	23 U	1.2 U	1.2 U	1.2 U
Isopropanol	79 U	3.9 U	4.2 J	4.7 J
M,P-Xylene (Sum Of Isomers)	8.4 J	3.2	3.2	0.95 J
Methyl Ethyl Ketone (2-Butanone)	29 U	1.6	1.6	1.4 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	11 U	0.53 U	0.53 U	0.53 U
Methylene Chloride	13 U	1.4 J	1.9	1.3 J
Naphthalene	31 U	14	5.1	1.6 U
N-Heptane	4.5 U	2.0	1.5	0.72 J
N-Hexane	7.8 U	3.1	0.98 J	1.6 J
O-Xylene (1,2-Dimethylbenzene)	5.5 U	1.2	1.2	0.33 J
Styrene	5.0 U	0.52 J	0.58 J	0.25 U
Tert-Butyl Methyl Ether	2.6 U	0.13 U	0.13 U	0.13 U
Tetrachloroethylene (PCE)	2.8 U	1.3 J	1.0 J	0.64 J
Tetrahydrofuran	77 U	3.8 U	3.8 U	3.8 U
Toluene	8.1 J	5.2	3.1	3.6
Trans-1,2-Dichloroethene	1.8 U	0.091 U	0.091 U	0.091 U
Trans-1,3-Dichloropropene	4.9 U	0.25 U	0.25 U	0.25 U
Trichloroethylene (TCE)	3.1 J	0.79	0.13 U	0.13 U
Trichlorofluoromethane	5.6 U	1.2	1.2	1.6
Vinyl Bromide	4.4 U	0.22 U	0.22 U	0.22 U
Vinyl Chloride	1.1 U	0.054 U	0.054 U	0.054 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

Bold numbers indicate that the chemical was detected.

**Table C-13 GC018 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Property ID: GC018	
Location ID: GC018-WG01	
Sample Type: Normal	
Date: 03/27/24	
Analyte	
Volatile Organic Compounds by Method 8260D (µg/L)	
1,1,1-Trichloroethane (TCA)	0.24 U
1,1,2,2-Tetrachloroethane	0.37 U
1,1,2-Trichloroethane	0.20 U
1,1-Dichloroethane	0.26 U
1,1-Dichloroethene	0.26 U
1,2-Dichloroethane	0.43 U
1,2-Dichloropropane	0.35 U
2-Hexanone	1.1 U
Acetone	10
Benzene	0.20 U
Bromodichloromethane	0.34 U
Bromoform	0.54 U
Bromomethane	0.55 U
Carbon Disulfide	0.82 U
Carbon Tetrachloride	0.21 U
Chlorobenzene	0.38 U
Chloroethane	0.32 U
Chloroform	0.33 U
Chloromethane (Methyl Chloride)	0.40 UJ
Cis-1,2-Dichloroethylene	0.22 U
Cis-1,3-Dichloropropene	0.22 U
Dibromochloromethane	0.28 U
Ethylbenzene	0.30 U
Methyl Ethyl Ketone (2-Butanone)	3.8 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.3 U
Methylene Chloride	0.32 U
Styrene	0.42 U
Tetrachloroethylene (PCE)	0.25 U
Toluene	0.38 U
Trans-1,2-Dichloroethene	0.24 U
Trans-1,3-Dichloropropene	0.22 U
Trichloroethylene (TCE)	0.31 U
Vinyl Chloride	0.17 U
Xylenes	0.65 U

**Table C-13 GC018 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Property ID: GC018	
Location ID: GC018-WG01	
Sample Type: Normal	
Date: 03/27/24	
Analyte	
Semivolatile Organic Compounds by Method SW8270E (µg/L)	
1,2,4,5-Tetrachlorobenzene	1.2 U
1,4-Dioxane (P-Dioxane)	1.6 U
2,3,4,6-Tetrachlorophenol	0.75 U
2,4,5-Trichlorophenol	0.88 U
2,4,6-Trichlorophenol	0.86 U
2,4-Dichlorophenol	1.1 U
2,4-Dimethylphenol	0.62 U
2,4-Dinitrophenol	2.6 U
2,4-Dinitrotoluene	1.0 U
2,6-Dinitrotoluene	1.6 J
2-Chloronaphthalene	1.2 U
2-Chlorophenol	0.38 U
2-Methylnaphthalene	0.53 U
2-Methylphenol (O-Cresol)	0.67 U
2-Nitroaniline	0.47 U
2-Nitrophenol	0.75 U
3,3'-Dichlorobenzidine	1.4 U
3-Nitroaniline	1.9 U
4,6-Dinitro-2-Methylphenol	3.0 U
4-Bromophenyl Phenyl Ether	0.75 U
4-Chloro-3-Methylphenol	0.58 U
4-Chloroaniline	1.9 U
4-Chlorophenyl Phenyl Ether	1.3 U
4-Nitroaniline	1.2 U
4-Nitrophenol	4.0 U
Acenaphthene	1.1 U
Acenaphthylene	0.82 U
Acetophenone	2.3 U
Anthracene	1.3 U
Atrazine	1.3 U
Benzaldehyde	2.1 UJ
Benzo(A)Anthracene	0.59 U
Benzo(A)Pyrene	0.41 U
Benzo(B)Fluoranthene	0.68 U
Benzo(G,H,I)Perylene	0.70 U
Benzo(K)Fluoranthene	0.67 U
Benzyl Butyl Phthalate	0.85 U
Biphenyl (Diphenyl or 1,1'-Biphenyl)	1.2 U
Bis(2-Chloroethoxy) Methane	0.59 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	0.63 U
Bis(2-Chloroisopropyl) Ether	0.63 U
Bis(2-Ethylhexyl) Phthalate	0.80 U
Caprolactam	2.2 U
Carbazole	0.68 U
Chrysene	0.91 U
Cresols, M & P	0.64 U
Dibenz(A,H)Anthracene	0.72 U

**Table C-13 GC018 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC018
	Location ID:	GC018-WG01
	Sample Type:	Normal
	Date:	03/27/24
Dibenzofuran		1.1 U
Diethyl Phthalate		0.98 U
Dimethyl Phthalate		0.77 U
Di-N-Butyl Phthalate		0.84 U
Di-N-Octylphthalate		0.75 U
Fluoranthene		0.84 U
Fluorene		0.91 U
Hexachlorobenzene		0.40 U
Hexachlorobutadiene		0.78 U
Hexachlorocyclopentadiene		3.6 U
Hexachloroethane		0.80 U
Indeno(1,2,3-C,D)Pyrene		0.94 U
Isophorone		0.80 U
Naphthalene		0.54 U
Nitrobenzene		0.57 U
N-Nitrosodi-N-Propylamine		0.43 U
N-Nitrosodiphenylamine		0.89 U
Pentachlorophenol		1.4 U
Phenanthrene		1.3 U
Phenol		0.29 U
Pyrene		1.6 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/L = Micrograms per liter

**Table C-14 GC020 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC020-SV01	GC020-BA01	GC020-OA01
	Normal	Normal	Normal
	Sub-slab Vapor	Basement Air	Outdoor Air
	12/7/2023	12/7/2023	12/7/2023
	Analyte		
VOCs by Method TO15 (µg/m3)			
1,1,1-Trichloroethane (TCA)	0.82 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	1.3 U	0.33 U	0.33 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.92 U	0.24 U	0.24 U
1,1,2-Trichloroethane	0.82 U	0.21 U	0.21 U
1,1-Dichloroethane	0.93 U	0.23 U	0.23 U
1,1-Dichloroethene	0.95 U	0.23 U	0.23 U
1,2,4-Trichlorobenzene	3.6 U	0.89 U	0.89 U
1,2,4-Trimethylbenzene	1.7 U	1.1	0.64 J
1,2-Dibromoethane (Ethylene Dibromide)	0.92 U	0.23 U	0.23 U
1,2-Dichlorobenzene	1.7 U	0.41 U	0.41 U
1,2-Dichloroethane	1.1 U	0.28 U	0.28 U
1,2-Dichloropropane	1.2 U	0.29 U	0.29 U
1,2-Dichlorotetrafluoroethane	1.4 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene (Mesitylene)	1.6 U	0.39 U	0.39 U
1,3-Butadiene	0.75 U	0.19 U	0.19 U
1,3-Dichlorobenzene	0.96 U	0.24 U	0.24 U
1,4-Dichlorobenzene	1.9 U	0.47 U	0.47 U
1,4-Dioxane (P-Dioxane)	1.7 U	0.43 U	0.43 U
2-Hexanone	2.4 U	0.61 U	0.61 U
4-Ethyltoluene	1.9 U	0.47 U	0.47 U
Acetone	52.5	32.3	21
Allyl Chloride (3-Chloropropene)	1 U	0.26 U	0.26 U
Benzene	1.9 U	1.1	1.5
Benzyl Chloride	2.6 U	0.67 U	0.67 U
Bromodichloromethane	0.8 U	0.2 U	0.2 U
Bromoform	2.9 U	0.73 U	0.73 U
Bromomethane	1.1 U	0.27 U	0.27 U
Carbon Disulfide	12	0.14 U	0.14 U
Carbon Tetrachloride	1 U	0.25 U	0.25 U
Chlorobenzene	1.4 U	0.34 U	0.34 U
Chloroethane	0.71 U	0.18 U	0.18 U
Chloroform	8.8	3.5	0.18 U
Chloromethane (Methyl Chloride)	0.74 U	1.2	1.2
Cis-1,2-Dichloroethylene	0.48 U	0.12 U	0.12 U
Cis-1,3-Dichloropropene	1.1 U	0.28 U	0.28 U
Cyclohexane	0.62 U	0.41 J	0.59 J
Dibromochloromethane	1.8 U	0.44 U	0.44 U
Dichlorodifluoromethane	2.4 J	2	2.4
Ethylbenzene	1 U	0.78 J	0.74 J
Hexachlorobutadiene	2.7 U	0.66 U	0.66 U
Isopropanol	4.2	29.5	4.2
M,P-Xylene (Sum Of Isomers)	2.9 J	2.4	2
Methyl Ethyl Ketone (2-Butanone)	4.7	1.3	3.8
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.2 U	0.3 U	0.3 U
Methylene Chloride	0.76 U	0.56 J	0.73
Naphthalene	2.7 UJ	0.68 U	0.68 UJ
N-Heptane	0.74 U	1.5	1.4
N-Hexane	0.74 U	1.1	1.8

**Table C-14 GC020 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

	Location ID:	GC020-SV01	GC020-BA01	GC020-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	12/7/2023	12/7/2023	12/7/2023
Analyte				
O-Xylene (1,2-Dimethylbenzene)		1.3 U	0.83 J	0.74 J
Styrene		0.89 U	0.68 J	0.23 U
Tert-Butyl Methyl Ether		1.2 U	0.29 U	0.29 U
Tetrachloroethylene (PCE)		11	5.5	0.45
Tetrahydrofuran		2.3 J	0.65	1.1 J
Toluene		7.5	17	5.7
Trans-1,2-Dichloroethene		0.44 U	0.11 U	0.11 U
Trans-1,3-Dichloropropene		1.8 U	0.45 U	0.45 U
Trichloroethylene (TCE)		0.86	0.1 U	0.1 U
Trichlorofluoromethane		3.5 U	1.8	1.8
Vinyl Bromide		1 U	0.27 U	0.27 U
Vinyl Chloride		0.72 U	0.18 U	0.18 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

Bold numbers indicate that the chemical was detected.

**Table C-15 GC022 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC022	
	Location ID:	GC022-BA01	GC022-OA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Basement Air	Outdoor Air
	Date:	12/7/2023	12/7/2023
VOCs by Method TO15 (µg/m3)			
1,1,1-Trichloroethane (TCA)	0.20 U	0.20 U	
1,1,2,2-Tetrachloroethane	0.33 U	0.33 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.24 U	0.24 U	
1,1,2-Trichloroethane	0.21 U	0.21 U	
1,1-Dichloroethane	0.23 U	0.23 U	
1,1-Dichloroethene	0.23 U	0.23 U	
1,2,4-Trichlorobenzene	0.89 U	0.89 U	
1,2,4-Trimethylbenzene	0.64 J	0.54 J	
1,2-Dibromoethane (Ethylene Dibromide)	0.23 U	0.23 U	
1,2-Dichlorobenzene	0.41 U	0.41 U	
1,2-Dichloroethane	0.69 J	0.28 U	
1,2-Dichloropropane	0.29 U	0.29 U	
1,2-Dichlorotetrafluoroethane	0.35 U	0.35 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.39 U	0.39 U	
1,3-Butadiene	0.19 U	0.19 U	
1,3-Dichlorobenzene	0.24 U	0.24 U	
1,4-Dichlorobenzene	0.47 U	0.47 U	
1,4-Dioxane (P-Dioxane)	0.43 U	0.43 U	
2-Hexanone	0.61 U	0.61 U	
4-Ethyltoluene	0.47 U	0.47 U	
Acetone	169	8.1	
Allyl Chloride (3-Chloropropene)	0.26 U	0.26 U	
Benzene	1.0	1.2	
Benzyl Chloride	0.67 U	0.67 U	
Bromodichloromethane	0.20 U	0.20 U	
Bromoform	0.73 U	0.73 U	
Bromomethane	0.27 U	0.27 U	
Carbon Disulfide	0.14 U	0.14 U	
Carbon Tetrachloride	0.25 U	0.25 U	
Chlorobenzene	0.34 U	0.34 U	
Chloroethane	0.18 U	0.18 U	
Chloroform	2.7	0.18 U	
Chloromethane (Methyl Chloride)	1.5	1.2	
Cis-1,2-Dichloroethylene	0.12 U	0.12 U	
Cis-1,3-Dichloropropene	0.28 U	0.28 U	
Cyclohexane	0.38 J	0.55 J	

**Table C-15 GC022 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC022	
	Location ID:	GC022-BA01	GC022-OA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Basement Air	Outdoor Air
	Date:	12/7/2023	12/7/2023
Dibromochloromethane		0.44 U	0.44 U
Dichlorodifluoromethane		2.1	2.1
Ethylbenzene		0.52 J	0.65 J
Hexachlorobutadiene		0.66 U	0.66 U
Isopropanol		3690 J	4.9
M,P-Xylene (Sum Of Isomers)		1.7	2.0
Methyl Ethyl Ketone (2-Butanone)		2.4	0.88
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		0.30 U	0.30 U
Methylene Chloride		5.2	0.63 J
Naphthalene		0.68 U	0.68 U
N-Heptane		1.1	1.2
N-Hexane		1.1	1.6
O-Xylene (1,2-Dimethylbenzene)		0.65 J	0.78 J
Styrene		0.23 U	0.23 U
Tert-Butyl Methyl Ether		0.29 U	0.29 U
Tetrachloroethylene (PCE)		2.5	0.51
Tetrahydrofuran		0.27 U	0.27 U
Toluene		3.4	3.1
Trans-1,2-Dichloroethene		0.11 U	0.11 U
Trans-1,3-Dichloropropene		0.45 U	0.45 U
Trichloroethylene (TCE)		0.10 U	0.10 U
Trichlorofluoromethane		1.9	1.9
Vinyl Bromide		0.27 U	0.27 U
Vinyl Chloride		0.18 U	0.18 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-16 GC023 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC023			
	GC023-SV01	GC023-BA01	GC023-FA01	GC023-OA01
	Normal	Normal	Normal	Normal
	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	11/14/2023	11/14/2023	11/14/2023	11/14/2023
Analyte				
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.82 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	1.3 U	0.33 U	0.33 U	0.33 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.92 U	0.24 U	0.24 U	0.24 U
1,1,2-Trichloroethane	0.82 U	0.21 U	0.21 U	0.21 U
1,1-Dichloroethane	0.93 U	0.23 U	0.23 U	0.23 U
1,1-Dichloroethene	0.95 U	0.23 U	0.23 U	0.23 U
1,2,4-Trichlorobenzene	3.6 U	0.89 U	0.89 U	0.89 U
1,2,4-Trimethylbenzene	1.7 U	0.43 U	0.43 U	0.43 U
1,2-Dibromoethane (Ethylene Dibromide)	0.92 U	0.23 U	0.23 U	0.23 U
1,2-Dichlorobenzene	1.7 U	0.41 U	0.41 U	0.41 U
1,2-Dichloroethane	1.1 U	0.28 U	0.28 U	0.28 U
1,2-Dichloropropane	1.2 U	0.29 U	0.29 U	0.29 U
1,2-Dichlorotetrafluoroethane	1.4 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene (Mesitylene)	1.6 U	0.39 U	0.39 U	0.39 U
1,3-Butadiene	0.75 U	0.19 U	0.19 U	0.19 U
1,3-Dichlorobenzene	0.96 U	0.24 U	0.24 U	0.24 U
1,4-Dichlorobenzene	1.9 U	0.47 U	0.47 U	0.47 U
1,4-Dioxane (P-Dioxane)	1.7 U	0.43 U	0.43 U	0.43 U
2-Hexanone	2.4 U	0.61 U	0.61 U	0.61 U
4-Ethyltoluene	1.9 U	0.47 U	0.47 U	0.47 U
Acetone	14	13	16	5.9
Allyl Chloride (3-Chloropropene)	1 U	0.26 U	0.26 U	0.26 U
Benzene	3	1.2	0.73	0.73
Benzyl Chloride	2.6 U	0.67 U	0.67 U	0.67 U
Bromodichloromethane	0.8 U	0.2 U	0.2 U	0.2 U
Bromoform	2.9 U	0.73 UJ	0.73 U	0.73 U
Bromomethane	1.1 U	0.27 U	0.27 U	0.27 U
Carbon Disulfide	0.56 U	0.14 U	0.14 U	0.14 U
Carbon Tetrachloride	1 U	0.25 U	0.25 U	0.25 U
Chlorobenzene	1.4 U	0.34 U	0.34 U	0.34 U
Chloroethane	0.71 U	0.18 U	0.18 U	0.18 U
Chloroform	0.73 U	0.18 U	0.18 U	0.18 U
Chloromethane (Methyl Chloride)	0.74 U	0.91	0.85	0.81
Cis-1,2-Dichloroethylene	0.48 U	0.12 U	0.12 U	0.12 U
Cis-1,3-Dichloropropene	1.1 U	0.28 U	0.28 U	0.28 U
Cyclohexane	0.62 U	0.15 U	0.15 U	0.15 U
Dibromochloromethane	1.8 U	0.44 U	0.44 U	0.44 U
Dichlorodifluoromethane	20	21	2.3	1.4
Ethylbenzene	1 U	0.26 U	0.26 U	0.26 U
Hexachlorobutadiene	2.7 U	0.66 U	0.66 U	0.66 U
Isopropanol	13	13	2.5	1.6
M,P-Xylene (Sum Of Isomers)	2.4 U	1	0.96	0.83 J
Methyl Ethyl Ketone (2-Butanone)	1.4 J	1.3	1	0.88
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.2 U	0.3 U	1.7	0.3 U
Methylene Chloride	0.76 U	0.19 U	0.19 U	0.19 U
Naphthalene	2.7 U	0.68 U	0.68 U	0.68 U
N-Heptane	0.74 U	0.53 J	0.53 J	0.53 J
N-Hexane	0.74 U	0.85	1	0.95

**Table C-16 GC023 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC023			
	GC023-SV01	GC023-BA01	GC023-FA01	GC023-OA01
	Normal	Normal	Normal	Normal
	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	11/14/2023	11/14/2023	11/14/2023	11/14/2023
Analyte				
O-Xylene (1,2-Dimethylbenzene)	1.3 U	0.33 U	0.33 U	0.33 U
Styrene	0.89 U	0.23 U	0.23 U	0.23 U
Tert-Butyl Methyl Ether	1.2 U	0.29 U	0.29 U	0.29 U
Tetrachloroethylene (PCE)	1.4	1.2	0.52	0.5
Tetrahydrofuran	8.8	7.4	0.27 U	0.27 U
Toluene	2.6 J	1.5	2.5	2.6
Trans-1,2-Dichloroethene	0.44 U	0.11 U	0.11 U	0.11 U
Trans-1,3-Dichloropropene	1.8 U	0.45 U	0.45 U	0.45 U
Trichloroethylene (TCE)	0.41 U	0.1 U	0.1 U	0.1 U
Trichlorofluoromethane	3.5 U	1.2	1.1	1.1
Vinyl Bromide	1 U	0.27 U	0.27 U	0.27 U
Vinyl Chloride	0.72 U	0.18 U	0.18 U	0.18 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

Bold numbers indicate that the chemical was detected.

**Table C-17 GC024 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Location ID:	GC024-SV01	GC024-BA01	GC024-FA01	GC024-OA01
Sample Type:	Normal	Normal	Normal	Normal
Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
Date:	12/5/2023	12/5/2023	12/5/2023	12/5/2023
Analyte				
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	18 U	0.20 U	0.20 U	0.20 U
1,1,2,2-Tetrachloroethane	30 U	0.33 U	0.33 U	0.33 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	21 U	0.24 U	0.24 U	0.24 U
1,1,2-Trichloroethane	19 U	0.21 U	0.21 U	0.21 U
1,1-Dichloroethane	21 U	0.23 U	0.23 U	0.23 U
1,1-Dichloroethene	21 U	0.23 U	0.23 U	0.23 U
1,2,4-Trichlorobenzene	82 U	0.89 UJ	0.89 UJ	0.89 UJ
1,2,4-Trimethylbenzene	38 U	0.74 J	0.54 J	0.43 U
1,2-Dibromoethane (Ethylene Dibromide)	21 U	0.23 U	0.23 U	0.23 U
1,2-Dichlorobenzene	37 U	0.41 U	0.41 U	0.41 U
1,2-Dichloroethane	25 U	0.28 U	0.28 U	0.28 U
1,2-Dichloropropane	26 U	0.29 U	0.29 U	0.29 U
1,2-Dichlorotetrafluoroethane	31 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene (Mesitylene)	35 U	0.39 U	0.39 U	0.39 U
1,3-Butadiene	17 U	0.19 U	0.19 U	0.19 U
1,3-Dichlorobenzene	22 U	0.24 U	0.24 U	0.24 U
1,4-Dichlorobenzene	43 U	0.47 U	0.47 U	0.47 U
1,4-Dioxane (P-Dioxane)	36 U	0.43 U	0.43 U	0.43 U
2-Hexanone	53 U	0.61 U	0.61 U	0.61 U
4-Ethyltoluene	42 U	0.47 U	0.47 U	0.47 U
Acetone	51.1	21	30.6	6.2
Allyl Chloride (3-Chloropropene)	23 U	0.26 U	0.26 U	0.26 U
Benzene	42 U	0.70	0.83	0.70
Benzyl Chloride	57 U	0.67 U	0.67 U	0.67 U
Bromodichloromethane	18 U	0.20 U	0.20 U	0.20 U
Bromoform	66 U	0.73 UJ	0.73 UJ	0.73 UJ
Bromomethane	24 U	0.27 U	0.27 U	0.27 U
Carbon Disulfide	12 U	0.14 U	0.14 U	0.14 U
Carbon Tetrachloride	23 U	0.25 U	0.25 U	0.25 U
Chlorobenzene	30 U	0.34 U	0.34 U	0.34 U
Chloroethane	16 U	0.18 U	0.18 U	0.18 U
Chloroform	16 U	0.78 J	0.73 J	0.18 U
Chloromethane (Methyl Chloride)	17 U	1.2	1.6	1.1
Cis-1,2-Dichloroethylene	11 U	0.12 U	0.12 U	0.12 U
Cis-1,3-Dichloropropene	25 U	0.28 U	0.28 U	0.28 U
Cyclohexane	14 U	0.15 U	0.41 J	0.15 U
Dibromochloromethane	40 U	0.44 U	0.44 U	0.44 U
Dichlorodifluoromethane	46 U	2.3	2.4	2.2
Ethylbenzene	24 U	0.26 U	0.26 U	0.26 U
Hexachlorobutadiene	60 U	0.66 U	0.66 U	0.66 U
Isopropanol	32 U	54.3	253	1.3
M,P-Xylene (Sum Of Isomers)	52 U	0.83 J	0.87	0.61 U
Methyl Ethyl Ketone (2-Butanone)	29 U	1.1	1.5	0.83
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	27 U	0.30 U	0.30 U	0.30 U
Methylene Chloride	17 U	0.63 J	0.59 J	0.63 J
Naphthalene	58 U	0.68 U	0.68 U	0.68 U
N-Heptane	16 U	0.57 J	0.70 J	0.40 J
N-Hexane	17 U	0.60 J	0.63 J	0.60 J
O-Xylene (1,2-Dimethylbenzene)	30 U	0.43 J	0.33 U	0.33 U

**Table C-17 GC024 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

	Location ID:	GC024-SV01	GC024-BA01	GC024-FA01	GC024-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	12/5/2023	12/5/2023	12/5/2023	12/5/2023
Analyte					
Styrene		20 U	0.23 U	0.23 U	0.23 U
Tert-Butyl Methyl Ether		26 U	0.29 U	0.29 U	0.29 U
Tetrachloroethylene (PCE)		13100	55	5.2	0.34
Tetrahydrofuran		24 U	0.27 U	0.27 U	0.27 U
Toluene		19 U	1.8	4.1	1.7
Trans-1,2-Dichloroethene		9.9 U	0.11 U	0.11 U	0.11 U
Trans-1,3-Dichloropropene		41 U	0.45 U	0.45 U	0.45 U
Trichloroethylene (TCE)		280	0.91	0.10 U	0.10 U
Trichlorofluoromethane		79 U	1.5	1.5	1.4
Vinyl Bromide		24 U	0.27 U	0.27 U	0.27 U
Vinyl Chloride		16 U	0.18 U	0.18 U	0.18 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

Bold numbers indicate that the chemical was detected.

**Table C-18 GC025 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC025	
	GC025-BA01	GC025-OA01
	Normal	Normal
	Basement Air	Outdoor Air
	1/9/2024	1/9/2024
Analyte		
VOCs by Method TO15 (µg/m3)		
1,1,1-Trichloroethane (TCA)	0.39 U	0.244 U
1,1,2,2-Tetrachloroethane	0.28 U	0.176 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.625 U	0.392 U
1,1,2-Trichloroethane	0.199 U	0.125 U
1,1-Dichloroethane	0.286 U	0.179 U
1,1-Dichloroethene	0.0843 U	0.0528 U
1,2,4-Trichlorobenzene	0.498 UJ	0.312 UJ
1,2,4-Trimethylbenzene	0.543 J	0.157 UJ
1,2-Dibromoethane (Ethylene Dibromide)	0.261 U	0.164 U
1,2-Dichlorobenzene	0.332 U	0.208 U
1,2-Dichloroethane	0.213 U	0.134 U
1,2-Dichloropropane	0.2 U	0.126 U
1,2-Dichlorotetrafluoroethane	0.582 U	0.365 U
1,3,5-Trimethylbenzene (Mesitylene)	0.226 U	0.141 U
1,3-Butadiene	0.0715 UJ	0.0448 UJ
1,3-Dichlorobenzene	0.342 U	0.215 U
1,4-Dichlorobenzene	0.307 U	0.192 U
1,4-Dioxane (P-Dioxane)	0.254 UJ	0.159 UJ
2-Hexanone	0.143 UJ	0.0895 UJ
4-Ethyltoluene	0.376 J	0.199 U
Acetone	49.8	4.2
Allyl Chloride (3-Chloropropene)	0.202 U	0.127 U
Benzene	0.869	0.324
Benzyl Chloride	0.238 U	0.149 U
Bromodichloromethane	0.194 U	0.121 U
Bromoform	0.431 U	0.27 U
Bromomethane	0.323 U	0.203 U
Carbon Disulfide	0.249 U	0.156 U
Carbon Tetrachloride	0.535	0.268
Chlorobenzene	0.219 U	0.137 U
Chloroethane	0.144 U	0.09 U
Chloroform	2.03	0.239 U
Chloromethane (Methyl Chloride)	1.26 J	0.396 J
Cis-1,2-Dichloroethylene	0.0843 U	0.0528 U
Cis-1,3-Dichloropropene	0.158 U	0.0992 U
Cyclohexane	0.252 U	0.158 U
Dibromochloromethane	0.355 U	0.222 U
Dichlorodifluoromethane	1.3 J	1.34 J
Ethylbenzene	0.369	0.16 U
Hexachlorobutadiene	0.771 UJ	0.483 UJ
Isopropanol	6.12	0.126 U
m,p-Xylene	1.03	0.37 J
Methyl Ethyl Ketone (2-Butanone)	0.727	0.409
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.296 UJ	0.262 J
Methylene Chloride	0.502 J	0.278 J
Naphthalene	0.432 UJ	0.271 UJ
N-Heptane	0.15 U	0.197 J
N-Hexane	0.479	0.225

**Table C-18 GC025 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

	Location ID:	GC025-BA01	GC025-OA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Basement Air	Outdoor Air
	Date:	1/9/2024	1/9/2024
Analyte			
O-Xylene (1,2-Dimethylbenzene)		0.406	0.139 J
Styrene		0.471	0.134 U
Tert-Butyl Methyl Ether		0.297 U	0.186 U
Tetrachloroethylene (PCE)		2.36	0.325 J
Tetrahydrofuran		0.133 U	0.126 J
Toluene		2.02	1.12
Trans-1,2-Dichloroethene		0.266 U	0.167 U
Trans-1,3-Dichloropropene		0.355 U	0.223 U
Trichloroethylene (TCE)		0.114 U	0.0716 U
Trichlorofluoromethane		1.24	0.719
Vinyl Bromide		0.357 U	0.224 U
Vinyl Chloride		0.0956 UJ	0.0599 UJ

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-19 GC027 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC027			
	GC027-SV01	GC027-BA01	GC027-FA01	GC027-OA01
	Normal	Normal	Normal	Normal
	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	12/19/2023	12/19/2023	12/19/2023	12/19/2023
Analyte				
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U	0.24 U
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	0.30 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.41 U	0.41 U	0.41 U	0.41 U
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	0.40 U
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	0.10 U
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	2.4 U
1,2,4-Trimethylbenzene	0.72 J	0.39 U	0.48 J	0.39 U
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	0.32 U
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	0.40 U
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	0.34 U
1,3,5-Trimethylbenzene (Mesitylene)	0.23 U	0.23 U	0.23 U	0.23 U
1,3-Butadiene	0.086 U	0.086 U	0.086 U	0.086 U
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	0.44 U
1,4-Dichlorobenzene	0.54 U	0.54 U	0.54 U	0.54 U
1,4-Dioxane (P-Dioxane)	0.30U	0.30 U	0.30 U	0.30 U
2-Hexanone	0.61 U	0.61 U	0.61 U	0.61 U
4-Ethyltoluene	0.24 U	0.24 U	0.24 U	0.24 U
Acetone	16	7.1 J	4.9 J	8.8 J
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	0.38 U
Benzene	0.44 J	0.38 J	0.41 J	0.14 U
Benzyl Chloride	0.46 U	0.46 U	0.46 U	0.46 U
Bromodichloromethane	0.34 U	0.34 U	0.34 U	0.34 U
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U
Bromomethane	0.28 U	0.28 U	0.28 U	0.28 U
Carbon Disulfide	2.3	0.74 J	0.40 U	0.4 U
Carbon Tetrachloride	0.37	0.30	0.14 U	0.14 U
Chlorobenzene	0.20 U	0.20 U	0.20 U	0.20 U
Chloroethane	0.47 U	0.47 U	0.47 U	0.47 U
Chloroform	3.8	0.20 U	0.20 U	0.20 U
Chloromethane (Methyl Chloride)	0.58 J	1.0	1.2	1.0
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.083 U	0.083 U
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U
Cyclohexane	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.54 U	0.54 U	0.54 U	0.54 U
Dichlorodifluoromethane	2.3 J	2.2 J	2.3 J	2.2 J
Ethylbenzene	0.37 J	0.55 J	0.59 J	0.3 U
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	1.2 U
Isopropanol	7 J	3.9 U	3.9 U	3.9 U
m,p-Xylene	1.2 J	0.81 J	0.81 J	0.41 U
Methyl Ethyl Ketone (2-Butanone)	1.7 J	1.4 UJ	1.4 UJ	1.4 UJ
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.53 U	0.53 U	0.53 U	0.53 U
Methylene Chloride	1.1 J	0.63 U	0.63 U	0.63 U
Naphthalene	1.6 U	1.6 U	1.6 U	1.6 U
N-Heptane	0.23 U	0.63 J	0.25 J	0.23 U
N-Hexane	0.54 J	0.39 U	0.39 U	0.39 U

**Table C-19 GC027 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC027			
	GC027-SV01	GC027-BA01	GC027-FA01	GC027-OA01
	Normal	Normal	Normal	Normal
	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	12/19/2023	12/19/2023	12/19/2023	12/19/2023
Analyte				
O-Xylene (1,2-Dimethylbenzene)	0.42 J	0.3 J	0.31 J	0.27 U
Styrene	0.46 J	0.25 U	0.25 U	0.25 U
Tert-Butyl Methyl Ether	0.13 U	0.13 U	0.13 U	0.13 U
Tetrachloroethylene (PCE)	6.4	0.14 U	0.14 U	0.35 J
Tetrahydrofuran	3.8 U	3.8 U	3.8 U	3.8 U
Toluene	2.9	1.4	0.90	0.23 U
Trans-1,2-Dichloroethene	0.091 U	0.091 U	0.091 U	0.091 U
Trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	0.25 U
Trichloroethylene (TCE)	0.28	0.13 U	0.13 J	0.13 U
Trichlorofluoromethane	1.4	1.1	1.1	1 J
Vinyl Bromide	0.22 U	0.22 U	0.22 U	0.22 U
Vinyl Chloride	0.054 U	0.054 U	0.054 U	0.054 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-20 GC028 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC028			
	GC028-SV01	GC028-FA01	GC028-FA01	GC028-OA01
	Normal	Normal	Duplicate	Normal
	Sub-slab Vapor	First Floor Air	First Floor Air	Outdoor Air
	12/11/2023	12/11/2023	12/11/2023	12/11/2023
Analyte				
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.82 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	1.3 U	0.33 U	0.33 U	0.33 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.92 U	0.24 U	0.24 U	0.24 U
1,1,2-Trichloroethane	0.82 U	0.21 U	0.21 U	0.21 U
1,1-Dichloroethane	0.93 U	0.23 U	0.23 U	0.23 U
1,1-Dichloroethene	0.95 U	0.23 U	0.23 U	0.23 U
1,2,4-Trichlorobenzene	3.6 UJ	0.89 UJ	0.89 UJ	0.89 U
1,2,4-Trimethylbenzene	1.7 U	0.43 U	0.43 U	0.43 U
1,2-Dibromoethane (Ethylene Dibromide)	0.92 U	0.23 U	0.23 U	0.23 U
1,2-Dichlorobenzene	1.7 U	0.41 U	0.41 U	0.41 U
1,2-Dichloroethane	1.1 U	0.28 U	0.28 U	0.28 U
1,2-Dichloropropane	1.2 U	0.29 U	0.29 U	0.29 U
1,2-Dichlorotetrafluoroethane	1.4 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene (Mesitylene)	1.6 U	0.39 U	0.39 U	0.39 U
1,3-Butadiene	0.75 U	0.19 U	0.19 U	0.19 U
1,3-Dichlorobenzene	0.96 U	0.24 U	0.24 U	0.24 U
1,4-Dichlorobenzene	1.9 U	0.47 U	0.47 U	0.47 U
1,4-Dioxane (P-Dioxane)	1.7 U	0.43 U	0.43 U	0.43 U
2-Hexanone	2.4 U	0.61 U	0.61 U	0.61 U
4-Ethyltoluene	1.9 U	0.47 U	0.47 U	0.47 U
Acetone	16	13	11	4
Allyl Chloride (3-Chloropropene)	1 U	0.26 U	0.26 U	0.26 U
Benzene	1.9 U	0.51 J	0.48 J	0.48 U
Benzyl Chloride	2.6 U	0.67 U	0.67 U	0.67 UJ
Bromodichloromethane	0.8 U	0.2 U	0.2 U	0.2 U
Bromoform	2.9 UJ	0.73 UJ	0.73 UJ	0.73 U
Bromomethane	1.1 U	0.27 U	0.27 U	0.27 U
Carbon Disulfide	2.7	0.14 U	0.14 U	0.14 U
Carbon Tetrachloride	1 U	0.25 U	0.25 U	0.25 U
Chlorobenzene	1.4 U	0.34 U	0.34 U	0.34 U
Chloroethane	0.71 U	0.18 U	0.18 U	0.18 U
Chloroform	0.73 U	1.1	1.2	0.18 U
Chloromethane (Methyl Chloride)	0.74 U	1.2	1.2	0.95
Cis-1,2-Dichloroethylene	0.48 U	0.12 U	0.12 U	0.12 U
Cis-1,3-Dichloropropene	1.1 U	0.28 U	0.28 U	0.28 U
Cyclohexane	1.7 J	0.15 U	0.15 U	0.15 U
Dibromochloromethane	1.8 U	0.44 U	0.44 U	0.44 UJ
Dichlorodifluoromethane	2.3 J	2.3	2.2	1.8
Ethylbenzene	1 U	0.26 U	0.26 U	0.26 U
Hexachlorobutadiene	2.7 U	0.66 U	0.66 U	0.66 U
Isopropanol	1.9 J	4.7	2.9	0.88
M,P-Xylene (Sum Of Isomers)	2.4 U	0.61 J	0.61 U	0.61 U
Methyl Ethyl Ketone (2-Butanone)	1.4 J	0.44 J	0.5 J	0.32 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.2 U	0.3 U	0.3 U	0.3 U
Methylene Chloride	23	2.9 J	0.66 J	0.63 J
Naphthalene	2.7 U	0.68 U	0.68 U	0.68 U
N-Heptane	0.74 U	0.18 U	0.18 U	0.18 U
N-Hexane	18	2.4 J	0.39 J	0.18 U

**Table C-20 GC028 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC028			
	GC028-SV01	GC028-FA01	GC028-FA01	GC028-OA01
	Normal	Normal	Duplicate	Normal
	Sub-slab Vapor	First Floor Air	First Floor Air	Outdoor Air
	12/11/2023	12/11/2023	12/11/2023	12/11/2023
Analyte				
O-Xylene (1,2-Dimethylbenzene)	1.3 U	0.33 U	0.33 U	0.33 U
Styrene	0.89 U	0.23 U	0.23 U	0.23 U
Tert-Butyl Methyl Ether	1.2 U	0.29 U	0.29 U	0.29 U
Tetrachloroethylene (PCE)	86.1	0.095 U	0.095 U	0.61
Tetrahydrofuran	1.1 U	0.27 U	0.27 U	0.27 U
Toluene	56.9	1 J	3 J	1.2
Trans-1,2-Dichloroethene	0.44 U	0.11 U	0.11 U	0.11 U
Trans-1,3-Dichloropropene	1.8 U	0.45 U	0.45 U	0.45 U
Trichloroethylene (TCE)	0.41 U	0.1 U	0.1 U	0.1 U
Trichlorofluoromethane	3.5 U	1.5	1.4	1.3
Vinyl Bromide	1 U	0.27 U	0.27 U	0.27 U
Vinyl Chloride	0.72 U	0.18 U	0.18 U	0.18 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-21 GC029 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC029-BA01	GC029	GC029-OA01
	Normal	GC029-FA01	Normal
	Basement Air	Normal	Normal
	12/11/2023	First Floor Air	Outdoor Air
		12/11/2023	12/11/2023
Analyte			
VOCs by Method TO15 (µg/m3)			
1,1,1-Trichloroethane (TCA)	0.20 U	0.20 U	0.20 U
1,1,2,2-Tetrachloroethane	0.33 U	0.33 U	0.33 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.24 U	0.24 U	0.24 U
1,1,2-Trichloroethane	0.21 U	0.21 U	0.21 U
1,1-Dichloroethane	0.23 U	0.23 U	0.23 U
1,1-Dichloroethene	0.23 U	0.23 U	0.23 U
1,2,4-Trichlorobenzene	0.89 U	0.89 U	0.89 U
1,2,4-Trimethylbenzene	0.59 J	0.49 J	0.43 U
1,2-Dibromoethane (Ethylene Dibromide)	0.23 U	0.23 U	0.23 U
1,2-Dichlorobenzene	0.41 U	0.41 U	0.41 U
1,2-Dichloroethane	0.28 U	0.28 U	0.28 U
1,2-Dichloropropane	0.29 U	0.29 U	0.29 U
1,2-Dichlorotetrafluoroethane	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene (Mesitylene)	0.39 U	0.39 U	0.39 U
1,3-Butadiene	0.19 U	0.19 U	0.19 U
1,3-Dichlorobenzene	0.24 U	0.24 U	0.24 U
1,4-Dichlorobenzene	0.47 U	0.47 U	0.47 U
1,4-Dioxane (P-Dioxane)	0.43 U	0.43 U	0.43 U
2-Hexanone	0.61 U	0.61 U	0.61 U
4-Ethyltoluene	0.47 U	0.47 U	0.47 U
Acetone	12	19	3.8
Allyl Chloride (3-Chloropropene)	0.26 U	0.26 U	0.26 U
Benzene	0.48 U	0.51 J	0.48 U
Benzyl Chloride	0.67 U	0.67 U	0.67 U
Bromodichloromethane	0.20 U	0.20 U	0.20 U
Bromoform	0.73 U	0.73 U	0.73 U
Bromomethane	0.27 U	0.27 U	0.27 U
Carbon Disulfide	0.14 U	0.14 U	0.14 U
Carbon Tetrachloride	0.25 U	0.25 U	0.25 U
Chlorobenzene	0.34 U	0.34 U	0.34 U
Chloroethane	0.18 U	0.18 U	0.18 U
Chloroform	0.93 J	1.3	0.18 U
Chloromethane (Methyl Chloride)	1.1	1.2	1.0
Cis-1,2-Dichloroethylene	0.12 U	0.12 U	0.12 U
Cis-1,3-Dichloropropene	0.28 U	0.28 U	0.28 U
Cyclohexane	0.15 U	0.15 U	0.15 U
Dibromochloromethane	0.44 U	0.44 U	0.44 U
Dichlorodifluoromethane	2.0	2.0	2.0
Ethylbenzene	0.26 U	0.26 U	0.26 U
Hexachlorobutadiene	0.66 U	0.66 U	0.66 U
Isopropanol	13	24	1.0
M,P-Xylene (Sum Of Isomers)	0.61 U	0.65 J	0.61 U
Methyl Ethyl Ketone (2-Butanone)	0.77	0.91	0.32 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.30 U	0.30 U	0.30 U
Methylene Chloride	0.19 U	0.19 U	0.19 U
Naphthalene	0.68 U	0.68 U	0.68 U
N-Heptane	0.18 U	0.78 J	0.18 U
N-Hexane	0.34 J	0.39 J	0.35 J

**Table C-21 GC029 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

	Location ID:	GC029-BA01	GC029-FA01	GC029-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	12/11/2023	12/11/2023	12/11/2023
Analyte				
O-Xylene (1,2-Dimethylbenzene)		0.33 U	0.33 U	0.33 U
Styrene		0.23 U	0.23 U	0.23 U
Tert-Butyl Methyl Ether		0.29 U	0.29 U	0.29 U
Tetrachloroethylene (PCE)		0.25 J	0.25 J	0.41
Tetrahydrofuran		27	0.27 U	0.27 U
Toluene		4.1	7.2	0.64 J
Trans-1,2-Dichloroethene		0.11 U	0.11 U	0.11 U
Trans-1,3-Dichloropropene		0.45 U	0.45 U	0.45 U
Trichloroethylene (TCE)		0.10 U	0.10 U	0.10 U
Trichlorofluoromethane		1.3	1.4	1.3
Vinyl Bromide		0.27 U	0.27 U	0.27 U
Vinyl Chloride		0.18 U	0.18 U	0.18 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-22 GC030 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC030			
	Location ID:	GC030-SV01	GC030-BA01	GC030-FA01	GC030-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	1/24/2024	1/24/2024	1/24/2024	1/24/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.31 U	0.093 U	0.093 U	0.093 U	
1,1,2,2-Tetrachloroethane	0.54 U	0.54 U	0.54 U	0.54 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.13 U	0.13 U	0.13 U	0.13 U	
1,1,2-Trichloroethane	0.13 U	0.13 U	0.13 U	0.13 U	
1,1-Dichloroethane	0.19 U	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.17 U	0.17 U	0.17 U	0.17 U	
1,2,4-Trichlorobenzene	0.42 U	0.42 U	0.42 U	0.42 U	
1,2,4-Trimethylbenzene	2.4	0.69 J-	0.74 J-	0.38 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.59 U	0.59 U	0.59 U	0.59 U	
1,2-Dichlorobenzene	0.58 U	0.58 U	0.58 U	0.58 U	
1,2-Dichloroethane	0.65	0.24 U	0.24 U	0.24 U	
1,2-Dichloropropane	0.25 U	0.25 U	0.25 U	0.25 U	
1,2-Dichlorotetrafluoroethane	0.17 U	0.17 U	0.17 U	0.17 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.1	1.0 J-	0.59 J-	0.40 U	
1,3-Butadiene	0.24 U	0.24 U	0.24 U	0.24 U	
1,3-Dichlorobenzene	0.46 U	0.46 U	0.46 U	0.46 U	
1,4-Dichlorobenzene	1.2	0.64 U	0.64 U	0.64 U	
1,4-Dioxane (P-Dioxane)	1.9	0.061 U	0.061 U	0.061 U	
2-Hexanone	0.13 U	0.13 U	0.13 U	0.13 U	
4-Ethyltoluene	0.54 J	0.38 U	0.38 U	0.38 U	
Acetone	65	33 J	48 J	8.2 J	
Allyl Chloride (3-Chloropropene)	0.23 U	0.23 U	0.23 U	0.23 U	
Benzene	3.1	1.1	1.1	0.89	
Benzyl Chloride	0.56 U	0.56 U	0.56 U	0.56 U	
Bromodichloromethane	0.42 U	0.42 U	0.42 U	0.42 U	
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.21 U	0.21 U	0.21 U	0.21 U	
Carbon Disulfide	13	0.14 U	0.14 U	1.0	
Carbon Tetrachloride	0.48 U	0.38	0.38	0.44	
Chlorobenzene	0.19 U	0.19 U	0.19 U	0.19 U	
Chloroethane	0.33 U	0.33 U	0.33 U	0.33 U	
Chloroform	1.9	0.68 J	2.2	0.17 U	
Chloromethane (Methyl Chloride)	0.60	0.95	0.91	0.91	
Cis-1,2-Dichloroethylene	0.53 U	0.099 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	
Cyclohexane	14	0.15 U	0.15 U	0.15 U	
Dibromochloromethane	0.65 U	0.65 U	0.65 U	0.65 U	
Dichlorodifluoromethane	2.0	2.1	2.1	2.3	
Ethylbenzene	2.4	0.48 J	0.56 J	0.15 U	
Hexachlorobutadiene	0.78 U	0.78 U	0.78 U	0.78 U	
Isopropanol	7.4	6.4 J	33 J	2.1	
m,p-Xylene	5.6	1.4 J-	1.3 J-	0.43 J	
Methyl Ethyl Ketone (2-Butanone)	9.4	0.88	1.8	0.47 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2.5	0.22 U	0.22 U	0.22 U	
Methylene Chloride	5.4	1.1	1.2	0.87	

**Table C-22 GC030 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC030			
	Location ID:	GC030-SV01	GC030-BA01	GC030-FA01	GC030-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	1/24/2024	1/24/2024	1/24/2024	1/24/2024
Naphthalene	0.36 U	0.26 U	0.63 J	0.26 U	
N-Heptane	23	0.90	2.1	0.49 J	
N-Hexane	8.1	0.85	1.1	0.49 J	
O-Xylene (1,2-Dimethylbenzene)	2.1	1.2 J-	0.74 J-	0.41 U	
Styrene	1.3	0.30 U	0.30 U	0.30 U	
Tert-Butyl Methyl Ether	0.14 U	0.14 U	0.14 U	0.14 U	
Tetrachloroethylene (PCE)	29	1.2	3.8	0.21 U	
Tetrahydrofuran	0.14 U	0.14 U	0.14 U	0.14 U	
Toluene	86	2.8	3.8	1.4	
Trans-1,2-Dichloroethene	0.16 U	0.16 U	0.16 U	0.16 U	
Trans-1,3-Dichloropropene	0.17 U	0.17 U	0.17 U	0.17 U	
Trichloroethylene (TCE)	0.81	0.21	0.21	0.16	
Trichlorofluoromethane	1.1	1.1	1.1	1.1	
Vinyl Bromide	0.15 U	0.15 U	0.15 U	0.15 U	
Vinyl Chloride	0.11 U	0.066 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

J- = Estimated value with low bias

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-23 GC031 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix:	GC031			
	GC031-SV01	GC031-BA01	GC031-FA01	GC031-OA01
	Normal	Normal	Normal	Normal
	Sub-slab Vapor 12/19/2023	Basement Air 12/19/2023	First Floor Air 12/19/2023	Outdoor Air 12/19/2023
Analyte				
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U	0.24 U
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	0.30 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.41 J	0.41 U	0.41 J	0.42 J
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	0.40 U
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	0.10 U
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	2.4 U
1,2,4-Trimethylbenzene	2.0	0.39 U	1.2	1.1
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	0.32 U
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	0.40 U
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	0.34 U
1,3,5-Trimethylbenzene (Mesitylene)	0.46 J	0.23 U	0.23 U	0.24 J
1,3-Butadiene	0.086 U	0.086 U	0.086 U	0.086 U
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	0.44 U
1,4-Dichlorobenzene	1.7	0.54 U	0.54 U	0.54 U
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.30 U	0.32 J
2-Hexanone	0.61 U	0.61 U	0.61 U	0.61 U
4-Ethyltoluene	0.36 J	0.24 U	0.24 U	0.24 U
Acetone	31	10 J	39	13
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	0.38 U
Benzene	1.6	0.44 J	0.51 J	0.54 J
Benzyl Chloride	0.46 U	0.46 U	0.46 U	0.46 U
Bromodichloromethane	0.34 U	0.34 U	0.34 U	0.34 U
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U
Bromomethane	0.28 U	0.28 U	0.28 U	0.28 U
Carbon Disulfide	3.1	0.40 U	0.40 U	5.2
Carbon Tetrachloride	0.25	0.35	0.37	0.37
Chlorobenzene	0.20 U	0.20 U	0.20 U	0.20 U
Chloroethane	0.47 U	0.47 U	0.47 U	0.47 U
Chloroform	0.44 J	0.21 J	1.9	0.20 U
Chloromethane (Methyl Chloride)	0.31 U	0.95 J	1.3	1.1
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.083 U	0.083 U
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U
Cyclohexane	0.20 U	0.20 U	0.20 U	0.20 U
Dibromochloromethane	0.54 U	0.54 U	0.54 U	0.54 U
Dichlorodifluoromethane	1.6 J	1.8 J	1.7 J	1.8 J
Ethylbenzene	0.99	0.30 U	0.96	1.6
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	1.2 U
Isopropanol	3.9 U	3.9 U	14	3.9 U
m,p-Xylene	3.4	0.41 U	1.9 J	1.9 J
Methyl Ethyl Ketone (2-Butanone)	2.2	1.4 U	2.0	12
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.53 U	0.53 U	0.56 J	0.73 J
Methylene Chloride	1.0 J	0.97 J	0.63 U	0.63 U
Naphthalene	1.6 U	1.6 U	1.6 U	1.6 U
N-Heptane	1.3	0.50 J	0.84	1.1
N-Hexane	0.60 J	0.53 J	0.81 J	0.46 J

**Table C-23 GC031 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

	Location ID:	GC031-SV01	GC031-BA01	GC031-FA01	GC031-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor 12/19/2023	Basement Air 12/19/2023	First Floor Air 12/19/2023	Outdoor Air 12/19/2023
Analyte					
O-Xylene (1,2-Dimethylbenzene)		1.2	0.27 U	0.76 J	0.61 J
Styrene		2.9	0.25 U	1.7	0.26 J
Tert-Butyl Methyl Ether		0.13 U	0.13 U	0.13 U	0.13 U
Tetrachloroethylene (PCE)		13	0.52 J	1.2 J	0.59 J
Tetrahydrofuran		3.8 U	3.8 U	3.8 U	4.6 J
Toluene		8.3	0.82	3.9	1.4
Trans-1,2-Dichloroethene		0.091 U	0.091 U	0.091 U	0.091 U
Trans-1,3-Dichloropropene		0.25 U	0.25 U	0.25 U	0.25 U
Trichloroethylene (TCE)		0.77	0.13 U	0.13 U	0.13 U
Trichlorofluoromethane		1.0 J	1.0 J	1.0 J	1.0 J
Vinyl Bromide		0.22 U	0.22 U	0.22 U	0.22 U
Vinyl Chloride		0.054 U	0.054 U	0.054 U	0.054 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m3 = Micrograms per cubic meter

Bold numbers indicate that the chemical was detected.

**Table C-24 GC032 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC032		
	Location ID:	GC032-SV01	GC032-BA01	GC032-FA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air
	Date:	1/11/2024	1/11/2024	1/11/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.31 U	0.093 U	0.093 U	
1,1,2,2-Tetrachloroethane	0.54 U	0.54 U	0.54 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.13 U	0.13 U	0.13 U	
1,1,2-Trichloroethane	0.13 U	0.13 U	0.13 U	
1,1-Dichloroethane	0.19 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.17 U	0.17 U	0.17 U	
1,2,4-Trichlorobenzene	0.42 UJ	0.96 J	0.42 UJ	
1,2,4-Trimethylbenzene	2.0	1.6	0.79	
1,2-Dibromoethane (Ethylene Dibromide)	0.59 U	0.59 U	0.59 U	
1,2-Dichlorobenzene	0.58 U	0.58 U	0.58 U	
1,2-Dichloroethane	0.49 J	0.24 U	0.24 U	
1,2-Dichloropropane	0.25 U	0.51 J	0.25 U	
1,2-Dichlorotetrafluoroethane	0.17 U	0.17 U	0.17 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.88	0.64 J	0.40 U	
1,3-Butadiene	0.24 U	0.24 U	0.24 U	
1,3-Dichlorobenzene	0.46 U	0.46 U	0.46 U	
1,4-Dichlorobenzene	1.7	0.64 U	0.64 U	
1,4-Dioxane (P-Dioxane)	0.061 U	0.061 U	0.061 U	
2-Hexanone	0.78 J	0.13 U	0.13 U	
4-Ethyltoluene	0.49 J	0.38 U	0.38 U	
Acetone	63 J	16 J	13 J	
Allyl Chloride (3-Chloropropene)	0.23 U	0.23 U	0.23 U	
Benzene	1.5	0.58	0.80	
Benzyl Chloride	0.56 UJ	0.56 UJ	0.56 UJ	
Bromodichloromethane	0.42 U	0.42 U	0.42 U	
Bromoform	1.2 U	1.2 U	1.2 U	
Bromomethane	0.21 U	0.21 U	0.21 U	
Carbon Disulfide	11	0.14 U	0.14 U	
Carbon Tetrachloride	0.48 U	0.38	0.50	
Chlorobenzene	0.19 U	0.19 U	0.19 U	
Chloroethane	0.33 U	0.33 U	0.33 U	
Chloroform	1.6	0.17 U	0.17 U	
Chloromethane (Methyl Chloride)	0.17 U	0.70	0.85	
Cis-1,2-Dichloroethylene	0.53 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	
Cyclohexane	0.15 U	1.1	0.15 U	
Dibromochloromethane	0.65 U	0.65 U	0.65 U	
Dichlorodifluoromethane	2.5	2.4	2.4	

**Table C-24 GC032 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC032		
	Location ID:	GC032-SV01	GC032-BA01	GC032-FA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air
	Date:	1/11/2024	1/11/2024	1/11/2024
Ethylbenzene	1.6	0.56 J	0.15 U	
Hexachlorobutadiene	0.78 U	0.78 U	0.78 U	
Isopropanol	28	3.5	2.9	
m,p-Xylene	4.4	1.7	0.91 J	
Methyl Ethyl Ketone (2-Butanone)	4.5	1.2	1.1	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.82 J	0.22 U	0.22 U	
Methylene Chloride	4.9	1.4	1.0	
Naphthalene	0.63 J	1.0 J	0.68 J	
N-Heptane	0.16 U	1.5	0.78	
N-Hexane	0.19 U	0.95	0.85	
O-Xylene (1,2-Dimethylbenzene)	1.5	0.65	0.41 U	
Styrene	0.81	0.30 U	0.30 U	
Tert-Butyl Methyl Ether	0.14 U	0.14 U	0.14 U	
Tetrachloroethylene (PCE)	1.4	0.21 U	0.21 U	
Tetrahydrofuran	0.83	0.14 U	0.14 U	
Toluene	13	3.8	2.0	
Trans-1,2-Dichloroethene	0.16 U	0.16 U	0.16 U	
Trans-1,3-Dichloropropene	0.17 U	0.17 U	0.17 U	
Trichloroethylene (TCE)	0.75 J	0.27	0.16	
Trichlorofluoromethane	1.2	1.5	1.3	
Vinyl Bromide	0.15 U	0.15 U	0.15 U	
Vinyl Chloride	0.11 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-25 GC033 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC033			
	Location ID:	GC033-SV01	GC033-BA01	GC033-FA01	GC033-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/4/2024	3/4/2024	3/4/2024	3/4/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.48 U	0.24 U	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.59 U	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.81 U	0.45 J	0.47 J	0.42 J	
1,1,2-Trichloroethane	0.81 U	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	2.8	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.21 U	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	4.9 U	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	0.79 U	0.63 J	0.54 J	1.3	
1,2-Dibromoethane (Ethylene Dibromide)	0.65 U	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.79 U	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.75 U	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.87 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.67 U	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.46 U	0.23 U	0.23 U	0.23 U	
1,3-Butadiene	19	0.11 J	0.12 J	0.11 J	
1,3-Dichlorobenzene	0.89 U	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	1.1 U	0.54 U	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	1.4 J	0.30 U	0.30 U	2.3 J	
2-Hexanone	1.2 U	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	0.48 U	0.24 U	0.24 U	0.24 U	
Acetone	69	19	12	79	
Allyl Chloride (3-Chloropropene)	0.75 U	0.38 U	0.38 U	0.38 U	
Benzene	7.9	0.68	0.78	0.82	
Benzyl Chloride	0.91 U	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	1.3 J	0.34 U	0.34 U	0.34 U	
Bromoform	2.5 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.69 J	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	13	0.40 U	0.89 J	6.0	
Carbon Tetrachloride	0.28 U	0.40	0.41	0.42	
Chlorobenzene	2.1	0.20 U	0.20 U	0.20 U	
Chloroethane	0.95 U	0.47 U	0.47 U	0.47 U	
Chloroform	6.4	0.20 U	0.30 J	0.20 U	
Chloromethane (Methyl Chloride)	1.3 J	1.1	1.3	2.6	
Cis-1,2-Dichloroethylene	0.17 U	0.083 U	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.41 U	0.20 U	0.20 U	0.20 U	
Cyclohexane	1.1 J	0.28 J	0.20 U	0.20 U	
Dibromochloromethane	1.1 U	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	2.1 J	2.3 J	2.2 J	2.1 J	
Ethylbenzene	3.5	0.47 J	0.54 J	0.54 J	
Hexachlorobutadiene	2.3 U	1.2 U	1.2 U	1.2 U	
Isopropanol	7.9 U	3.9 U	3.9 U	8.5 J	
m,p-Xylene	5.6	0.98 J	0.90 J	1.0 J	
Methyl Ethyl Ketone (2-Butanone)	19	1.4 U	1.4 U	3.0	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	6.3	0.53 U	0.53 U	0.53 U	
Methylene Chloride	4.4	0.89 J	0.63 U	0.94 J	

**Table C-25 GC033 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC033			
	Location ID:	GC033-SV01	GC033-BA01	GC033-FA01	GC033-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/4/2024	3/4/2024	3/4/2024	3/4/2024
Naphthalene	3.1 U	1.6 U	1.6 U	1.6 U	
N-Heptane	19	0.34 J	0.55 J	0.71 J	
N-Hexane	3.1 J	2.4	0.39 U	0.39 U	
O-Xylene (1,2-Dimethylbenzene)	0.55 U	0.41 J	0.36 J	0.39 J	
Styrene	100	0.25 U	0.51 J	0.25 U	
Tert-Butyl Methyl Ether	0.26 U	0.13 U	0.13 U	0.13 U	
Tetrachloroethylene (PCE)	8.6	0.28 J	0.34 J	0.88 J	
Tetrahydrofuran	7.7 U	3.8 U	3.8 U	3.8 U	
Toluene	17	1.2	1.2	2.2	
Trans-1,2-Dichloroethene	0.18 U	0.091 U	0.091 U	0.091 U	
Trans-1,3-Dichloropropene	0.49 U	0.25 U	0.25 U	0.25 U	
Trichloroethylene (TCE)	6.6	0.13 U	0.13 U	0.16 J	
Trichlorofluoromethane	1.0 J	1.1	1.2	1.1	
Vinyl Bromide	0.44 U	0.22 U	0.22 U	0.22 U	
Vinyl Chloride	0.11 U	0.054 U	0.054 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-26 GC034 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC034		
	Location ID:	GC034-BA01	GC034-FA01	GC034-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	1/22/2024	1/22/2024	1/22/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.41 U	0.43 J	0.41 U	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	0.39 U	0.39 U	0.40 J	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.23 U	0.23 U	0.23 U	
1,3-Butadiene	0.086 U	0.098 J	0.086 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	0.54 U	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.30 U	
2-Hexanone	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	0.24 U	0.24 U	0.24 U	
Acetone	6.6 J	13	3.8 U	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	
Benzene	0.76	0.94	0.81	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	0.40 U	0.40 U	0.40 U	
Carbon Tetrachloride	0.29	0.30	0.28	
Chlorobenzene	0.20 U	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	
Chloroform	0.77 J	0.78 J	0.20 U	
Chloromethane (Methyl Chloride)	0.98 J	1.1	1.0 J	
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	
Cyclohexane	0.28 J	0.64 J	0.28 J	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	2.0 J	2.2 J	1.9 J	
Ethylbenzene	0.49 J	0.40 J	0.46 J	

**Table C-26 GC034 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC034		
	Location ID:	GC034-BA01	GC034-FA01	GC034-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	1/22/2024	1/22/2024	1/22/2024
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	
Isopropanol	63	70	3.9 U	
m,p-Xylene	0.82 J	0.41 U	0.74 J	
Methyl Ethyl Ketone (2-Butanone)	1.4 U	1.4 U	1.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.53 U	0.53 U	0.53 U	
Methylene Chloride	0.88 J	5.6	0.72 J	
Naphthalene	1.6 U	1.6 U	1.6 U	
N-Heptane	0.59 J	0.67 J	0.44 J	
N-Hexane	0.80 J	1.0 J	0.85 J	
O-Xylene (1,2-Dimethylbenzene)	0.52 J	0.33 J	0.46 J	
Styrene	0.25 U	0.25 U	0.25 U	
Tert-Butyl Methyl Ether	0.13 U	0.13 U	0.13 U	
Tetrachloroethylene (PCE)	0.28 J	0.33 J	0.22 J	
Tetrahydrofuran	3.8 U	3.8 U	3.8 U	
Toluene	2.3	2.6	1.6	
Trans-1,2-Dichloroethene	0.091 U	0.091 U	0.091 U	
Trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	
Trichloroethylene (TCE)	0.13 U	0.13 U	0.13 U	
Trichlorofluoromethane	0.94 J	1.1	0.92 J	
Vinyl Bromide	0.22 U	0.22 U	0.22 U	
Vinyl Chloride	0.054 U	0.054 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-27 GC035 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC035			
	Location ID:	GC035-SV01	GC035-BA01	GC035-FA01	GC035-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/1/2024	3/28/2024	3/28/2024	3/28/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.24 U	0.361 U	0.380 U	0.355 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.260 U	0.273 U	0.255 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.42 J	0.580 U	0.610 U	0.569 U	
1,1,2-Trichloroethane	0.40 U	0.185 U	0.195 U	0.182 U	
1,1-Dichloroethane	0.40 J	0.265 U	0.278 U	0.260 U	
1,1-Dichloroethene	0.10 U	0.0781 U	0.0822 U	0.0767 U	
1,2,4-Trichlorobenzene	2.4 U	0.462 U	0.486 U	0.454 UJ	
1,2,4-Trimethylbenzene	1.2	0.387 J-	0.897 J-	0.228 J	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.242 U	0.255 U	0.238 U	
1,2-Dichlorobenzene	0.40 U	0.308 U	0.324 U	0.302 U	
1,2-Dichloroethane	0.38 U	0.198 U	0.208 U	0.194 U	
1,2-Dichloropropane	0.43 U	0.186 U	0.195 U	0.182 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.540 U	0.568 U	0.530 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.23 J	0.209 U	0.220 U	0.205 U	
1,3-Butadiene	0.14 J	0.0662 U	0.0697 U	0.0651 U	
1,3-Dichlorobenzene	0.44 U	0.317 U	0.334 U	0.312 U	
1,4-Dichlorobenzene	0.74 J	0.284 U	0.299 U	0.279 U	
1,4-Dioxane (P-Dioxane)	0.30 U	0.236 U	0.248 U	0.231 U	
2-Hexanone	0.61 J	0.775 J-	0.509 J-	0.222 J	
4-Ethyltoluene	0.24 U	0.294 U	0.310 U	0.289 U	
Acetone	40	9.60 J-	31.8 J-	5.50	
Allyl Chloride (3-Chloropropene)	0.38 U	0.187 U	0.197 U	0.184 U	
Benzene	0.56 J	0.554 J-	0.768 J-	0.791	
Benzyl Chloride	0.46 U	0.220 UJ	0.232 UJ	0.216 U	
Bromodichloromethane	0.34 U	0.179 U	0.189 U	0.176 U	
Bromoform	1.2 U	0.399 U	0.420 U	0.392 U	
Bromomethane	0.28 U	0.300 U	0.315 U	0.295 U	
Carbon Disulfide	3.2	0.589 J-	4.34 J-	0.227 U	
Carbon Tetrachloride	0.14 U	0.248 J-	0.261 J-	0.390	
Chlorobenzene	0.20 U	0.203 U	0.214 U	0.200 U	
Chloroethane	0.47 U	0.133 U	0.140 U	0.131 U	
Chloroform	3.8	0.423 J-	0.648 J-	0.348 U	
Chloromethane (Methyl Chloride)	0.31 J	1.12 J-	1.37 J-	1.04	
Cis-1,2-Dichloroethylene	0.083 U	0.0781 U	0.0822 U	0.0767 U	
Cis-1,3-Dichloropropene	0.20 U	0.147 U	0.154 U	0.144 U	
Cyclohexane	0.20 U	0.233 U	0.245 U	0.229 U	
Dibromochloromethane	0.54 U	0.329 U	0.346 U	0.323 U	
Dichlorodifluoromethane	2.0 J	2.10 J-	2.21 J-	2.18	
Ethylbenzene	0.51 J	0.240 J-	0.360 J-	0.235 J	
Hexachlorobutadiene	1.2 U	0.714 U	0.752 U	0.702 UJ	
Isopropanol	3.9 U	3.76 J-	4.87 J-	2.49	
m,p-Xylene	1.7 J	0.684 J-	1.15 J-	0.739	
Methyl Ethyl Ketone (2-Butanone)	6.4	1.28 J-	2.35 J-	2.12	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.5 J	0.274 U	0.289 U	0.270 U	
Methylene Chloride	3.3	0.465 J-	0.634 J-	0.484 J	

**Table C-27 GC035 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC035			
	Location ID:	GC035-SV01	GC035-BA01	GC035-FA01	GC035-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/1/2024	3/28/2024	3/28/2024	3/28/2024
Naphthalene	1.6 U	0.401 U	0.652 J-	0.394 UJ	
N-Heptane	0.53 J	0.355 J-	0.544 J-	0.349	
N-Hexane	0.39 U	0.389 J-	0.497 J-	0.491	
O-Xylene (1,2-Dimethylbenzene)	0.70 J	0.274 J-	0.432 J-	0.269 J	
Styrene	0.87	0.198 U	0.212 J-	0.195 U	
Tert-Butyl Methyl Ether	0.13 U	0.276 U	0.290 U	0.271 U	
Tetrachloroethylene (PCE)	4.3	0.374 J-	0.394 J-	0.257 U	
Tetrahydrofuran	3.8 U	0.906 J-	2.20 J-	2.35	
Toluene	2.7	1.25 J-	1.91 J-	1.14	
Trans-1,2-Dichloroethene	0.091 U	0.247 U	0.260 U	0.242 U	
Trans-1,3-Dichloropropene	0.25 U	0.329 U	0.346 U	0.323 U	
Trichloroethylene (TCE)	0.14 J	0.106 U	0.111 U	0.104 U	
Trichlorofluoromethane	0.96 J	1.06 J-	1.16 J-	1.17	
Vinyl Bromide	0.22 U	0.331 U	0.348 U	0.325 U	
Vinyl Chloride	0.054 U	0.0886 U	0.0932 U	0.0871 U	

Key:

Qualifiers

J = Estimated value

J- = Estimated value with low bias

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-28 GC035 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Property ID: GC035	
Location ID: GC035-WG01	
Sample Type: Normal	
Date: 01/25/24	
Analyte	
Volatile Organic Compounds by Method 8260 (µg/L)	
1,1,1,2-Tetrachloroethane	0.216 U
1,1,1-Trichloroethane (TCA)	0.266 U
1,1,2,2-Tetrachloroethane	0.256 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.286 U
1,1,2-Trichloroethane	0.249 UR
1,1-Dichloroethane	0.272 U
1,1-Dichloroethene	0.327 U
1,2,3-Trichlorobenzene	0.222 UR
1,2,3-Trichloropropane	0.273 U
1,2,4-Trichlorobenzene	0.138 UR
1,2,4-Trimethylbenzene	0.310 U
1,2-Dibromo-3-Chloropropane	0.432 U
1,2-Dibromoethane (Ethylene Dibromide)	0.215 UR
1,2-Dichlorobenzene	0.270 U
1,2-Dichloroethane	0.377 U
1,2-Dichloropropane	0.327 U
1,3,5-Trimethylbenzene (Mesitylene)	0.347 U
1,3-Dichlorobenzene	0.283 U
1,3-Dichloropropane	0.260 U
1,4-Dichlorobenzene	0.311 U
1,4-Diethyl Benzene	0.341 U
1,4-Dioxane (P-Dioxane)	35.3 UJ
2-Hexanone	0.320 U
4-Ethyltoluene	0.200 U
Acetone	1.34 U
Acrolein	0.447 UJ
Acrylonitrile	0.422 U
Benzene	0.279 U
Bromochloromethane	0.354 U
Bromodichloromethane	0.245 U
Bromoform	0.163 UR
Bromomethane	0.119 U
Carbon Disulfide	0.362 U
Carbon Tetrachloride	0.204 U
Chlorobenzene	0.284 U
Chloroethane	0.448 U
Chloroform	0.243 U
Chloromethane (Methyl Chloride)	0.372 U
Cis-1,2-Dichloroethylene	0.294 U
Cis-1,3-Dichloropropene	0.262 U
Cyclohexane	0.491 U
Dibromochloromethane	0.146 UR
Dibromomethane	0.203 U
Dichlorodifluoromethane	0.451 U

**Table C-28 GC035 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Analyte	Location ID:	GC035-WG01
	Sample Type:	Normal
	Date:	01/25/24
Ethylbenzene		0.290 U
Hexachlorobutadiene		0.241 U
Isopropylbenzene (Cumene)		0.405 U
m,p-Xylene		0.578 U
Methyl Acetate		0.442 U
Methyl Ethyl Ketone (2-Butanone)		0.421 UJ
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		0.365 U
Methylcyclohexane		0.477 U
Methylene Chloride		0.397 U
Naphthalene		0.212 U
N-Butylbenzene		0.399 U
N-Propylbenzene		0.384 U
O-Xylene (1,2-Dimethylbenzene)		0.261 U
P-Cymene (P-Isopropyltoluene)		0.377 U
Sec-Butylbenzene		0.444 U
Styrene		0.255 U
T-Butylbenzene		0.367 U
Tert-Butyl Alcohol		0.608 UJ
Tert-Butyl Methyl Ether		0.244 U
Tetrachloroethylene (PCE)		0.239 UJ
Toluene		0.346 U
Trans-1,2-Dichloroethene		0.279 U
Trans-1,3-Dichloropropene		0.229 U
Trichloroethylene (TCE)		0.249 U
Trichlorofluoromethane		0.337 U
Vinyl Chloride		0.469 U
Xylenes		0.836 U
Semivolatile Organic Compounds by Method SW8270 (µg/L)		
1,2,4,5-Tetrachlorobenzene		2.63 U
1,2,4-Trichlorobenzene		2.63 UR
1,2-Dichlorobenzene		2.63 U
1,2-Diphenylhydrazine		2.63 U
1,3-Dichlorobenzene		2.63 U
1,4-Dichlorobenzene		2.63 U
2,3,4,6-Tetrachlorophenol		2.63 U
2,4,5-Trichlorophenol		2.63 U
2,4,6-Trichlorophenol		2.63 U
2,4-Dichlorophenol		2.63 U
2,4-Dimethylphenol		2.63 UJ
2,4-Dinitrophenol		2.63 U
2,4-Dinitrotoluene		2.63 UJ
2,6-Dinitrotoluene		2.63 U
2-Chloronaphthalene		2.63 U
2-Chlorophenol		2.63 U
2-Methylnaphthalene		2.63 U
2-Methylphenol (O-Cresol)		2.63 U
2-Nitroaniline		2.63 U
2-Nitrophenol		2.63 U
3- And 4- Methylphenol (Total)		2.63 U
3,3'-Dichlorobenzidine		2.63 U
3-Nitroaniline		2.63 U
4,6-Dinitro-2-Methylphenol		2.63 UJ

**Table C-28 GC035 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Location ID: GC035-WG01	
Sample Type: Normal	
Date: 01/25/24	
Analyte	
4-Bromophenyl Phenyl Ether	2.63 U
4-Chloro-3-Methylphenol	2.63 U
4-Chloroaniline	2.63 U
4-Chlorophenyl Phenyl Ether	2.63 U
4-Nitroaniline	2.63 U
4-Nitrophenol	5.26 UJ
Acetophenone	2.63 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

UR = Not detected/result is rejected

Other

µg/L = Micrograms per liter

**Table C-29 GC037 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC037			
	Location ID:	GC037-BA01	GC037-BA02	GC037-FA01	GC037-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Basement Air	First Floor Air	Outdoor Air
	Date:	4/4/2024	4/4/2024	4/4/2024	4/4/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U	0.58 U	0.58 U	
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U	0.71 U	0.71 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U	0.68 U	0.68 U	
1,1,2-Trichloroethane	0.51 U	0.51 U	0.51 U	0.51 U	
1,1-Dichloroethane	0.30 U	0.30 U	0.30 U	0.30 U	
1,1-Dichloroethene	0.16 U	0.16 U	0.16 U	0.16 U	
1,2,4-Trichlorobenzene	0.55 U	0.55 U	0.55 U	0.55 U	
1,2,4-Trimethylbenzene	0.59 J	0.34 U	0.59 J	0.34 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U	0.50 U	0.50 U	
1,2-Dichlorobenzene	0.69 U	0.69 U	0.69 U	0.69 U	
1,2-Dichloroethane	0.33 U	0.33 U	0.33 U	0.33 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U	0.67 U	0.67 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.35 U	0.35 U	0.35 U	0.35 U	
1,3-Butadiene	0.17 U	0.17 U	0.17 U	0.17 U	
1,3-Dichlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	
1,4-Dichlorobenzene	4.0	1.4	10	0.42 U	
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U	0.26 U	0.26 U	
2-Hexanone	0.22 U	0.22 U	0.22 U	0.22 U	
4-Ethyltoluene	0.39 U	0.39 U	0.39 U	0.39 U	
Acetone	23 J	17 J	39 J	13 J	
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U	0.24 U	0.24 U	
Benzene	0.70	0.61	0.93	0.73	
Benzyl Chloride	0.39 U	0.39 U	0.39 U	0.39 U	
Bromodichloromethane	0.60 U	0.60 U	0.60 U	0.60 U	
Bromoform	1.8 U	1.8 U	1.8 U	1.8 U	
Bromomethane	0.29 U	0.29 U	0.29 U	0.29 U	
Carbon Disulfide	0.28 U	0.40 J	0.53	0.28 U	
Carbon Tetrachloride	0.44	0.44	0.50	0.44	
Chlorobenzene	0.41 U	0.41 U	0.41 U	0.41 U	
Chloroethane	0.27 U	0.27 U	0.27 U	0.27 U	
Chloroform	0.98	0.63 J	2.6	0.45 U	
Chloromethane (Methyl Chloride)	0.17 U	1.5	1.4	1.0	
Cis-1,2-Dichloroethylene	0.099 U	0.099 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	0.33 U	
Cyclohexane	0.25 U	0.25 U	0.25 U	0.25 U	
Dibromochloromethane	0.90 U	0.90 U	0.90 U	0.90 U	
Dichlorodifluoromethane	2.7	2.6	2.6	2.7	
Ethylbenzene	0.48 J	0.25 U	1.2	0.25 U	
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	
Isopropanol	6.6 J	3.4	78 J	2.1	
m,p-Xylene	1.4	0.83 J	3.6	0.61 J	
Methyl Ethyl Ketone (2-Butanone)	1.1	1.3	1.8	0.65 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.27 U	0.27 U	0.27 U	0.27 U	
Methylene Chloride	3.2	3.6	4.8	3.0	

**Table C-29 GC037 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC037			
	Location ID:	GC037-BA01	GC037-BA02	GC037-FA01	GC037-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Basement Air	First Floor Air	Outdoor Air
	Date:	4/4/2024	4/4/2024	4/4/2024	4/4/2024
Naphthalene	1.4 J	1.0 J	1.3 J	0.58 J	
N-Heptane	1.3	0.74	1.1	0.49 J	
N-Hexane	1.5	0.60	0.53	0.49 J	
O-Xylene (1,2-Dimethylbenzene)	0.61 J	0.43 U	1.0	0.43 U	
Styrene	0.35 U	0.35 U	0.47 J	0.35 U	
Tert-Butyl Methyl Ether	0.31 U	0.31 U	0.31 U	0.31 U	
Tetrachloroethylene (PCE)	0.88 J	0.56 U	0.88 J	0.56 U	
Tetrahydrofuran	0.20 U	0.20 U	0.20 U	0.20 U	
Toluene	5.7	2.3	2.1	1.2	
Trans-1,2-Dichloroethene	0.27 U	0.27 U	0.27 U	0.27 U	
Trans-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	0.33 U	
Trichloroethylene (TCE)	0.32	0.32	0.27	0.16	
Trichlorofluoromethane	1.3	1.3	1.3	1.3	
Vinyl Bromide	0.36 U	0.36 U	0.36 U	0.36 U	
Vinyl Chloride	0.066 U	0.066 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-30 GC038 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC038			
	Location ID:	GC038-SV01	GC038-BA01	GC038-FA01	GC078-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	2/21/2024	2/21/2024	2/21/2024	2/21/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	1.71 U	0.445 U	0.407 U	0.406 U	
1,1,2,2-Tetrachloroethane	1.23 U	0.320 U	0.292 U	0.292 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	2.74 U	0.714 U	0.653 U	0.815	
1,1,2-Trichloroethane	0.875 U	0.228 U	0.208 U	0.208 U	
1,1-Dichloroethane	1.25 U	0.326 U	0.298 U	0.298 U	
1,1-Dichloroethene	0.370 U	0.0961 U	0.0879 U	0.105 U	
1,2,4-Trichlorobenzene	2.19 UJ	0.569 UJ	0.520 U	0.519 UJ	
1,2,4-Trimethylbenzene	1.65 J	0.286 U	0.349 J	0.436	
1,2-Dibromoethane (Ethylene Dibromide)	1.15 U	0.298 U	0.273 U	0.272 U	
1,2-Dichlorobenzene	1.46 U	0.379 U	0.347 U	0.346 U	
1,2-Dichloroethane	0.936 U	0.243 U	0.223 U	0.222 U	
1,2-Dichloropropane	0.879 U	0.229 U	0.209 U	0.209 U	
1,2-Dichlorotetrafluoroethane	2.56 U	0.665 U	0.608 U	0.607 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.990 U	0.258 U	0.235 U	0.235 U	
1,3-Butadiene	0.314 U	0.0815 U	0.0746 U	0.0745 U	
1,3-Dichlorobenzene	1.50 U	0.391 U	0.357 U	0.357 U	
1,4-Dichlorobenzene	1.35 U	0.350 U	0.320 U	0.320 U	
1,4-Dioxane (P-Dioxane)	1.12 U	0.290 U	0.265 U	0.265 U	
2-Hexanone	0.627 U	0.163 U	0.149 U	0.218 J	
4-Ethyltoluene	1.39 U	0.362 U	0.331 U	0.331 U	
Acetone	74.0	14.2 J	29.2	4.31	
Allyl Chloride (3-Chloropropene)	0.888 U	0.231 U	0.211 U	0.211 U	
Benzene	1.79	0.372	0.510	0.651	
Benzyl Chloride	1.04 UJ	0.271 U	0.248 U	0.248 UJ	
Bromodichloromethane	0.850 U	0.221 U	0.202 U	0.202 U	
Bromoform	1.89 U	0.491 U	0.449 U	0.449 U	
Bromomethane	1.42 U	0.369 U	0.338 U	0.337 U	
Carbon Disulfide	3.14	0.284 U	1.52	0.259 U	
Carbon Tetrachloride	0.587 U	0.305	0.140 U	0.669 J	
Chlorobenzene	0.962 U	0.250 U	0.229 U	0.228 U	
Chloroethane	0.630 U	0.164 U	0.150 U	0.150 U	
Chloroform	2.00	0.436 U	0.606	0.398 U	
Chloromethane (Methyl Chloride)	0.378 U	1.04	0.0898 UJ	1.65	
Cis-1,2-Dichloroethylene	0.370 U	0.346	0.0879 U	0.141 U	
Cis-1,3-Dichloropropene	0.694 U	0.181 U	0.165 U	0.165 U	
Cyclohexane	1.10 U	0.401	0.263 U	0.262 U	
Dibromochloromethane	1.56 U	0.405 U	0.370 U	0.370 U	
Dichlorodifluoromethane	3.14	1.97	1.01	2.94	
Ethylbenzene	1.13 J	0.337 J	0.270 J	0.265 U	
Hexachlorobutadiene	3.38 U	0.879 U	0.804 U	0.803 U	
Isopropanol	4.95	2.27	0.209 U	1.42	
m,p-Xylene	2.92 J	1.10	0.924	0.616 J	
Methyl Ethyl Ketone (2-Butanone)	10.6	12.2	3.64	0.549	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.83	0.437	0.581	0.309 U	
Methylene Chloride	4.28	0.539 J	1.51	0.862	

**Table C-30 GC038 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC038			
	Location ID:	GC038-SV01	GC038-BA01	GC038-FA01	GC078-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	2/21/2024	2/21/2024	2/21/2024	2/21/2024
Naphthalene	1.90 UJ	0.493 UJ	0.451 U	0.604 J	
N-Heptane	1.53	1.91	0.156 U	0.156 U	
N-Hexane	1.05 U	0.923	0.250 U	0.281 J	
O-Xylene (1,2-Dimethylbenzene)	1.13 J	0.337 J	0.385	0.130 U	
Styrene	0.954 J	0.331 J	0.378	0.223 U	
Tert-Butyl Methyl Ether	1.30 U	0.339 U	0.310 U	0.310 U	
Tetrachloroethylene (PCE)	27.3	1.97	11.5	0.541 J	
Tetrahydrofuran	1.43 J	2.83	0.497 J	0.138 U	
Toluene	5.06	19.6	1.77	0.968	
Trans-1,2-Dichloroethene	1.17 U	0.304 U	0.278 U	0.278 U	
Trans-1,3-Dichloropropene	1.56 U	0.405 U	0.370 U	0.370 U	
Trichloroethylene (TCE)	2.00	0.130 U	0.524	0.190	
Trichlorofluoromethane	1.89 J	0.872	0.498	1.64	
Vinyl Bromide	1.57 U	0.407 U	0.372 U	0.372 U	
Vinyl Chloride	0.420 U	0.109 U	0.0998 U	0.136 J	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-31 GC039 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC039			
	Location ID:	GC039-SV01	GC039-BA01	GC039-FA01	GC039-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	1/24/2024	1/24/2024	1/24/2024	1/24/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.31 U	0.093 U	0.093 U	0.093 U	
1,1,2,2-Tetrachloroethane	0.54 U	0.54 U	0.54 U	0.54 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.13 U	0.13 U	0.13 U	0.13 U	
1,1,2-Trichloroethane	0.13 U	0.13 U	0.13 U	0.13 U	
1,1-Dichloroethane	0.19 U	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.17 U	0.17 U	0.17 U	0.17 U	
1,2,4-Trichlorobenzene	0.42 U	0.42 U	0.42 U	0.42 U	
1,2,4-Trimethylbenzene	0.38 U	0.79	0.84	0.93 J-	
1,2-Dibromoethane (Ethylene Dibromide)	0.59 U	0.59 U	0.59 U	0.59 U	
1,2-Dichlorobenzene	0.58 U	0.58 U	0.58 U	0.58 U	
1,2-Dichloroethane	0.61	0.24 U	0.24 U	0.24 U	
1,2-Dichloropropane	0.25 U	0.25 U	0.25 U	0.25 U	
1,2-Dichlorotetrafluoroethane	0.17 U	0.17 U	0.17 U	0.17 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.40 U	0.40 U	0.40 U	0.40 U	
1,3-Butadiene	0.24 U	0.24 U	0.24 U	0.24 U	
1,3-Dichlorobenzene	0.46 U	0.46 U	0.46 U	0.46 U	
1,4-Dichlorobenzene	0.64 U	0.64 U	0.64 U	0.64 U	
1,4-Dioxane (P-Dioxane)	2.0	0.061 U	0.061 U	0.061 U	
2-Hexanone	0.13 U	0.13 U	0.13 U	0.13 U	
4-Ethyltoluene	0.38 U	0.38 U	0.38 U	0.38 U	
Acetone	41	15	14	22	
Allyl Chloride (3-Chloropropene)	0.23 U	0.23 U	0.23 U	0.23 U	
Benzene	7.3	1.1	1.3	1.8	
Benzyl Chloride	0.56 U	0.56 U	0.56 U	0.56 U	
Bromodichloromethane	0.42 U	0.42 U	0.42 U	0.42 U	
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.21 U	0.21 U	0.21 U	0.21 U	
Carbon Disulfide	9.7	0.14 U	0.14 U	88	
Carbon Tetrachloride	0.48 U	0.38	0.38	0.38	
Chlorobenzene	0.19 U	0.19 U	0.19 U	0.19 U	
Chloroethane	0.33 U	0.33 U	0.33 U	0.33 U	
Chloroform	1.9	0.17 U	0.17 U	0.17 U	
Chloromethane (Methyl Chloride)	0.17 U	0.89	0.91	0.87	
Cis-1,2-Dichloroethylene	0.53 U	0.099 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	
Cyclohexane	4.0	0.15 U	0.45 J	0.52	
Dibromochloromethane	0.65 U	0.65 U	0.65 U	0.65 U	
Dichlorodifluoromethane	2.2	2.1	2.1	2.1	
Ethylbenzene	0.15 U	0.15 U	0.48 J	0.69 J-	
Hexachlorobutadiene	0.78 U	0.78 U	0.78 U	0.78 U	
Isopropanol	11	4.7	3.9	5.7	
m,p-Xylene	0.21 U	1.2 J	1.3	1.9 J-	
Methyl Ethyl Ketone (2-Butanone)	5.5	3.2	1.0	2.7	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.22 U	0.22 U	0.22 U	2.2	
Methylene Chloride	6.1	1.4	3.2	1.0	

**Table C-31 GC039 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC039			
	Location ID:	GC039-SV01	GC039-BA01	GC039-FA01	GC039-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	1/24/2024	1/24/2024	1/24/2024	1/24/2024
Naphthalene	0.36 U	0.26 U	0.26 U	0.26 U	
N-Heptane	52	0.86	1.1	1.4	
N-Hexane	8.8	1.3	1.4	1.8	
O-Xylene (1,2-Dimethylbenzene)	0.41 U	0.48 J	0.48 J	0.69 J-	
Styrene	34 J-	0.30 U	0.30 U	0.30 U	
Tert-Butyl Methyl Ether	0.14 U	0.14 U	0.14 U	0.14 U	
Tetrachloroethylene (PCE)	0.43 U	5.5	18	27	
Tetrahydrofuran	4.3	6.8	0.14 U	0.14 U	
Toluene	0.082 U	6.9	8.3	5.8	
Trans-1,2-Dichloroethene	3.2	7.7	1.9	0.16 U	
Trans-1,3-Dichloropropene	0.17 U	0.17 U	0.17 U	0.17 U	
Trichloroethylene (TCE)	0.70 J	0.32	0.21	0.27	
Trichlorofluoromethane	1.2	1.1	1.1	1.1	
Vinyl Bromide	0.15 U	0.15 U	0.15 U	0.15 U	
Vinyl Chloride	0.11 U	0.066 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

J- = Estimated value with low bias

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-31 GC039 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC039		
	Location ID:	GC039-SV01	GC039-BA01	OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	4/25/2024	4/25/2024	4/25/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.905 U	0.419 U	0.444 U	
1,1,2,2-Tetrachloroethane	0.650 U	0.301 U	0.319 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.45 U	0.672 U	0.712 U	
1,1,2-Trichloroethane	0.463 U	0.214 U	0.227 U	
1,1-Dichloroethane	0.663 U	0.307 U	0.325 U	
1,1-Dichloroethene	0.196 U	0.0906 U	0.0959 U	
1,2,4-Trichlorobenzene	1.16 UJ	0.536 UJ	0.568 UJ	
1,2,4-Trimethylbenzene	19.1	1.75	0.286 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.607 U	0.281 U	0.298 U	
1,2-Dichlorobenzene	0.771 U	0.357 U	0.378 U	
1,2-Dichloroethane	0.559 J	0.229 U	0.243 U	
1,2-Dichloropropane	0.465 U	0.215 U	0.228 U	
1,2-Dichlorotetrafluoroethane	1.35 UJ	0.626 UJ	0.663 UJ	
1,3,5-Trimethylbenzene (Mesitylene)	5.05	0.449	0.257 U	
1,3-Butadiene	3.71	0.0768 U	0.0814 U	
1,3-Dichlorobenzene	0.795 U	0.368 U	0.390 U	
1,4-Dichlorobenzene	0.712 U	0.330 U	0.349 U	
1,4-Dioxane (P-Dioxane)	3.63	0.273 U	0.290 U	
2-Hexanone	0.332 U	1.68	0.397 J	
4-Ethyltoluene	14.8	0.944	0.362 U	
Acetone	54.9	13.9	6.81	
Allyl Chloride (3-Chloropropene)	0.470 U	0.217 U	0.230 U	
Benzene	2.59	1.02	0.526	
Benzyl Chloride	0.552 UJ	0.256 UJ	0.271 UJ	
Bromodichloromethane	0.450 U	0.208 U	0.220 U	
Bromoform	1.00 U	0.463 U	0.490 U	
Bromomethane	0.751 U	0.348 U	0.368 U	
Carbon Disulfide	3.93	0.268 U	0.283 U	
Carbon Tetrachloride	0.310 U	0.403	0.365	
Chlorobenzene	0.509 U	0.236 U	0.250 U	
Chloroethane	0.333 U	0.154 U	0.163 U	
Chloroform	1.35	0.411 U	0.435 U	
Chloromethane (Methyl Chloride)	0.200 UJ	0.736 J	0.560 J	
Cis-1,2-Dichloroethylene	0.196 U	0.0906 U	0.154 J	
Cis-1,3-Dichloropropene	0.367 U	0.170 U	0.180 U	
Cyclohexane	2.24	0.271 U	0.287 U	
Dibromochloromethane	0.824 U	0.382 U	0.404 U	
Dichlorodifluoromethane	2.25	1.76	1.87	
Ethylbenzene	9.09	0.357 J	0.290 U	
Hexachlorobutadiene	1.79 U	0.829 U	0.878 U	
Isopropanol	6.21	3.01	1.93	
m,p-Xylene	27.9	1.19	0.799 J	
Methyl Ethyl Ketone (2-Butanone)	6.99	2.08	1.08	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.687 U	0.487	0.337 U	
Methylene Chloride	1.23 J	0.794	0.605 J	

**Table C-31 GC039 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC039		
	Location ID:	GC039-SV01	GC039-BA01	OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	4/25/2024	4/25/2024	4/25/2024
Naphthalene	1.00 UJ	0.862 J	0.492 UJ	
N-Heptane	4.77	0.599	0.278 J	
N-Hexane	3.41	0.580	0.614	
O-Xylene (1,2-Dimethylbenzene)	11.6	0.476	0.294 J	
Styrene	29.2	0.230 U	0.243 U	
Tert-Butyl Methyl Ether	0.690 U	0.320 U	0.339 U	
Tetrachloroethylene (PCE)	7.50	5.77	16.4	
Tetrahydrofuran	1.40	0.943	0.151 U	
Toluene	39.2	2.10	2.66	
Trans-1,2-Dichloroethene	2.27	1.34	0.303 U	
Trans-1,3-Dichloropropene	0.824 U	0.382 U	0.404 U	
Trichloroethylene (TCE)	0.265 U	0.123 U	0.130 U	
Trichlorofluoromethane	1.11	1.08	0.979	
Vinyl Bromide	0.829 U	0.384 U	0.406 U	
Vinyl Chloride	0.222 UJ	0.103 UJ	0.109 UJ	

Key:

Qualifiers

J = Estimated value

J- = Estimated value with low bias

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-32 GC041 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC041				
	Location ID:	GC041-SV01	GC041-BA01	GC041-BA01	GC041-FA01	GC041-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	First Floor Air	Outdoor Air
	Date:	1/23/2024	1/23/2024	1/23/2024	1/23/2024	1/23/2024
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.31 U	0.093 U	0.093 U	0.093 U	0.093 U	
1,1,2,2-Tetrachloroethane	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	
1,1,2-Trichloroethane	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	
1,1-Dichloroethane	0.19 U	0.10 U	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	
1,2,4-Trichlorobenzene	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	
1,2,4-Trimethylbenzene	2.9 J-	0.59 J	0.54 J	0.79	0.64 J	
1,2-Dibromoethane (Ethylene Dibromide)	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	
1,2-Dichlorobenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	
1,2-Dichloroethane	0.97	0.24 U	0.24 U	0.24 U	0.24 U	
1,2-Dichloropropane	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	
1,2-Dichlorotetrafluoroethane	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.4 J-	0.40 U	0.40 U	0.40 U	0.40 U	
1,3-Butadiene	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	
1,3-Dichlorobenzene	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	
1,4-Dichlorobenzene	2.8 J-	0.64 U	0.64 U	0.64 U	0.64 U	
1,4-Dioxane (P-Dioxane)	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U	
2-Hexanone	0.61 J	0.13 U	0.13 U	0.13 U	0.13 U	
4-Ethyltoluene	0.64 J	0.38 U	0.38 U	0.38 U	0.38 U	
Acetone	34	13	12	11 J	37 J	
Allyl Chloride (3-Chloropropene)	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	
Benzene	5.0	1.5	1.3	1.3	1.6	
Benzyl Chloride	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	
Bromodichloromethane	6.2	0.42 U	0.42 U	0.42 U	0.42 U	
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	
Carbon Disulfide	26	0.14 U	0.14 U	0.14 U	0.72	
Carbon Tetrachloride	0.48 U	0.44	0.50	0.44	0.38	
Chlorobenzene	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	
Chloroethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	
Chloroform	140	8.6	8.0	2.1	0.17 U	
Chloromethane (Methyl Chloride)	0.17 U	0.95	0.99	1.1	0.89	
Cis-1,2-Dichloroethylene	30	1.6	1.6	0.099 U	0.16	
Cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	
Cyclohexane	3.1	0.45 J	0.15 U	0.38 J	0.15 U	
Dibromochloromethane	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	
Dichlorodifluoromethane	2.2	2.3	2.3	2.3	2.3	
Ethylbenzene	2.9 J-	0.61 J	0.48 J	0.52 J	0.61 J	
Hexachlorobutadiene	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	
Isopropanol	11	3.1	3.2	4.1	22 J	
m,p-Xylene	5.7 J-	1.5	1.3	1.4	1.5	
Methyl Ethyl Ketone (2-Butanone)	1.9	1.1	1.0	0.97	1.8	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.61 J	0.22 U	0.22 U	0.22 U	0.22 U	
Methylene Chloride	6.0	1.1	1.1	0.97	2.7	
Naphthalene	0.79 J-	0.26 U	0.26 U	0.26 U	0.26 U	
N-Heptane	0.16 U	0.90	0.61	0.82	1.4	
N-Hexane	4.5	1.4	0.85	1.2	1.1	
O-Xylene (1,2-Dimethylbenzene)	2.4 J-	0.56 J	0.52 J	0.52 J	0.52 J	

**Table C-32 GC041 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC041				
	Location ID:	GC041-SV01	GC041-BA01	GC041-BA01	GC041-FA01	GC041-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	First Floor Air	Outdoor Air
	Date:	1/23/2024	1/23/2024	1/23/2024	1/23/2024	1/23/2024
Styrene	1.9 J-	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Tert-Butyl Methyl Ether	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Tetrachloroethylene (PCE)	2300	120	140	4.1	3.0	
Tetrahydrofuran	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Toluene	9.8	3.4	2.5	2.8	5.4	
Trans-1,2-Dichloroethene	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Trans-1,3-Dichloropropene	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Trichloroethylene (TCE)	20	1.3	1.4	0.16	0.54	
Trichlorofluoromethane	1.2	1.1	1.2	1.2	1.2	
Vinyl Bromide	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Vinyl Chloride	3.9	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U

Key:

Qualifiers

J = Estimated value

J- = Estimated value with low bias

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-33 GC042 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC042			
	Location ID:	GC042-SV01	GC042-BA01	GC042-BA01	GC042-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	Outdoor Air
	Date:	1/2/2024	1/2/2024	1/2/2024	1/2/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.31 U	0.093 U	0.093 U	0.093 U	
1,1,2,2-Tetrachloroethane	0.54 U	0.54 U	0.54 U	0.54 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.13 U	0.13 U	0.13 U	0.13 U	
1,1,2-Trichloroethane	0.13 U	0.13 U	0.13 U	0.13 U	
1,1-Dichloroethane	0.19 U	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.17 U	0.17 U	0.17 U	0.17 U	
1,2,4-Trichlorobenzene	0.42 UJ	0.42 UJ	0.42 UJ	0.42 UJ	
1,2,4-Trimethylbenzene	1.8 J	3.4 J	4.3 J	0.38 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.59 U	0.59 U	0.59 U	0.59 U	
1,2-Dichlorobenzene	0.58 U	0.58 U	0.58 U	0.58 U	
1,2-Dichloroethane	1.4	0.24 U	0.24 U	0.24 U	
1,2-Dichloropropane	0.25 U	0.25 U	0.25 U	0.25 U	
1,2-Dichlorotetrafluoroethane	0.17 U	0.17 U	0.17 U	0.17 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.1	1.2	1.4	0.40 U	
1,3-Butadiene	0.24 U	0.24 U	0.24 U	0.24 U	
1,3-Dichlorobenzene	0.46 U	0.46 U	0.46 U	0.46 U	
1,4-Dichlorobenzene	2.8 J	0.64 U	0.64 U	0.64 U	
1,4-Dioxane (P-Dioxane)	0.061 U	0.061 U	0.061 U	0.061 U	
2-Hexanone	0.13 U	0.13 U	0.13 U	0.13 U	
4-Ethyltoluene	0.74	0.88	1.1	0.38 U	
Acetone	54 J	110 J	19 J	6.9 J	
Allyl Chloride (3-Chloropropene)	0.23 U	0.23 U	0.23 U	0.23 U	
Benzene	0.70	1.7	0.99	1.1	
Benzyl Chloride	0.56 U	0.56 U	0.56 U	0.56 U	
Bromodichloromethane	0.42 U	0.42 U	0.42 U	0.42 U	
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.21 U	0.21 U	0.21 U	0.21 U	
Carbon Disulfide	36	0.47	1.1	0.14 U	
Carbon Tetrachloride	0.48 U	0.57	0.50	0.57	
Chlorobenzene	0.19 U	0.19 U	0.19 U	0.19 U	
Chloroethane	0.33 U	0.33 U	0.33 U	0.33 U	
Chloroform	0.17 U	1.8	2.0	0.17 U	
Chloromethane (Methyl Chloride)	0.17 U	1.7	1.1	1.0	
Cis-1,2-Dichloroethylene	0.53 U	0.099 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	
Cyclohexane	0.15 U	0.15 U	0.15 U	0.15 U	
Dibromochloromethane	0.65 U	0.65 U	0.65 U	0.65 U	
Dichlorodifluoromethane	3.2	2.8	3.0	3.0	
Ethylbenzene	1.7	0.48 J	0.15 U	0.15 U	
Hexachlorobutadiene	0.78 U	0.78 U	0.78 U	0.78 U	
Isopropanol	5.2	16	14 J	2.5	
m,p-Xylene	7.1	1.5	0.91 J	0.69 J	
Methyl Ethyl Ketone (2-Butanone)	1.7	3.1 J	0.94 J	0.62 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	13	1.7	0.22 U	0.22 U	
Methylene Chloride	12	3.4	1.9	1.3	

**Table C-33 GC042 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC042			
	Location ID:	GC042-SV01	GC042-BA01	GC042-BA01	GC042-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	Outdoor Air
	Date:	1/2/2024	1/2/2024	1/2/2024	1/2/2024
Naphthalene	1.2 J	0.52 J	0.26 U	0.26 U	
N-Heptane	0.16 U	0.82	0.61	0.45 J	
N-Hexane	0.46 J	3.5 J	1.2 J	0.81	
O-Xylene (1,2-Dimethylbenzene)	2.1	0.61 J	0.52 J	0.41 U	
Styrene	2.0	0.30 U	0.30 U	0.30 U	
Tert-Butyl Methyl Ether	0.14 U	0.14 U	0.14 U	0.14 U	
Tetrachloroethylene (PCE)	9.4	0.21 U	0.21 U	0.21 U	
Tetrahydrofuran	0.59	0.14 U	0.14 U	0.14 U	
Toluene	17	7.9	2.6	1.7	
Trans-1,2-Dichloroethene	0.16 U	0.16 U	0.16 U	0.16 U	
Trans-1,3-Dichloropropene	0.17 U	0.17 U	0.17 U	0.17 U	
Trichloroethylene (TCE)	0.81	0.64 J	0.27 J	0.16 U	
Trichlorofluoromethane	1.6	1.5	1.6	1.6	
Vinyl Bromide	0.15 U	0.15 U	0.15 U	0.15 U	
Vinyl Chloride	0.11 U	0.066 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-34 GC043 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property Address:	GC043					GC043-SV01
	Location ID:	GC043-SV01	GC043-BA01	GC043-SV02	GC043-BA02	GC043-OA01	GC043-SV01
	Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Outdoor Air	Sub-slab Vapor
	Date:	2/5/2024	2/5/2024	2/5/2024	2/5/2024	2/5/2024	3/21/2024
VOCs by Method TO15 (µg/m3)							
1,1,1-Trichloroethane (TCA)		0.82 U	0.20 U	0.82 U	0.20 U	0.20 U	0.24 U
1,1,2,2-Tetrachloroethane		1.3 U	0.33 U	1.3 U	0.33 U	0.33 U	0.30 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		0.92 U	0.24 U	0.92 U	0.24 U	0.24 U	0.41 U
1,1,2-Trichloroethane		0.82 U	0.21 U	0.82 U	0.21 U	0.21 U	0.40 U
1,1-Dichloroethane		0.93 U	0.23 U	0.93 U	0.23 U	0.23 U	0.10 U
1,1-Dichloroethene		0.95 U	0.23 U	0.95 U	0.23 U	0.48	0.10 U
1,2,4-Trichlorobenzene		3.6 U	0.89 U	3.6 U	0.89 U	0.89 U	2.4 U
1,2,4-Trimethylbenzene		1.7 U	0.54 J	1.7 U	0.84 J	0.43 U	9.5
1,2-Dibromoethane (Ethylene Dibromide)		0.92 U	0.23 U	0.92 U	0.23 U	0.23 U	0.32 U
1,2-Dichlorobenzene		1.7 U	0.41 U	1.7 U	0.41 U	0.41 U	0.40 U
1,2-Dichloroethane		1.1 U	0.28 U	1.1 U	0.28 U	0.28 U	0.38 U
1,2-Dichloropropane		1.2 U	0.29 U	1.2 U	0.29 U	0.29 U	0.43 U
1,2-Dichlorotetrafluoroethane		1.4 U	0.35 U	1.4 U	0.35 U	0.35 U	0.34 U
1,3,5-Trimethylbenzene (Mesitylene)		1.6 U	0.39 U	1.6 U	0.39 U	0.39 U	3.1
1,3-Butadiene		0.75 U	0.19 U	0.75 U	0.19 U	0.19 U	0.24 J
1,3-Dichlorobenzene		0.96 U	0.24 U	0.96 U	0.24 U	0.24 U	0.44 U
1,4-Dichlorobenzene		1.9 U	0.47 U	1.9 U	0.47 U	0.47 U	0.94 J
1,4-Dioxane (P-Dioxane)		1.7 U	0.43 U	1.7 U	0.43 U	0.43 U	11 J
2-Hexanone		2.4 U	0.61 U	2.4 U	0.61 U	0.61 U	0.61 U
4-Ethyltoluene		1.9 U	0.47 U	1.9 U	0.47 U	0.47 U	3.5
Acetone		160	15	29.7	19	4.3	110
Allyl Chloride (3-Chloropropene)		1.0 U	0.26 U	1.0 U	0.26 U	0.26 U	0.38 U
Benzene		0.31 U	0.54 J	0.31 U	0.64	0.67	0.64
Benzyl Chloride		2.6 U	0.67 U	2.6 U	0.67 U	0.67 U	0.46 U
Bromodichloromethane		0.80 U	0.20 U	0.80 U	0.20 U	0.20 U	0.64 J
Bromoform		2.9 U	0.73 U	2.9 U	0.73 U	0.73 U	1.2 U
Bromomethane		1.1 U	0.27 U	1.1 U	0.27 U	0.27 U	0.28 U
Carbon Disulfide		3.1	0.14 U	2.6	0.14 U	0.14 U	2.7
Carbon Tetrachloride		1.0 U	0.25 U	1.0 U	1.1	6.3	0.59
Chlorobenzene		1.4 U	0.34 U	1.4 U	0.34 U	0.34 U	0.20 U
Chloroethane		0.71 U	0.18 U	0.71 U	0.18 U	0.18 U	0.47 U
Chloroform		66.4	0.73 J	25	4.0	15	45

**Table C-34 GC043 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property Address:	GC043					GC043-SV01
	Location ID:	GC043-SV01	GC043-BA01	GC043-SV02	GC043-BA02	GC043-OA01	GC043-SV01
	Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Outdoor Air	Sub-slab Vapor
	Date:	2/5/2024	2/5/2024	2/5/2024	2/5/2024	2/5/2024	3/21/2024
Chloromethane (Methyl Chloride)		0.74 U	0.85	0.74 U	0.93	1.2	0.31 U
Cis-1,2-Dichloroethylene		0.48 U	0.12 U	0.48 U	0.12 U	0.44	0.083 U
Cis-1,3-Dichloropropene		1.1 U	0.28 U	1.1 U	0.28 U	0.28 U	0.20 U
Cyclohexane		0.62 U	0.15 U	0.62 U	0.15 U	0.15 U	3.0
Dibromochloromethane		1.8 U	0.44 U	1.8 U	0.44 U	0.44 U	0.54 U
Dichlorodifluoromethane		2.2 J	1.1	2.2 J	1.2	1.2	1.9 J
Ethylbenzene		1.0 U	0.26 U	1.0 U	0.26 U	0.26 U	9.7
Hexachlorobutadiene		2.7 U	0.66 U	2.7 U	0.66 U	0.66 U	1.2 U
Isopropanol		7.6	4.2	4.4	16	1.5	6.9 J
M,P-Xylene (Sum Of Isomers)		2.4 U	0.61 J	2.4 U	0.69 J	0.61 U	29
Methyl Ethyl Ketone (2-Butanone)		7.4	1.0	3.8	1.2	0.44 J	20
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		1.2 U	0.30 U	1.2 U	0.30 U	0.30 U	0.58 J
Methylene Chloride		5.6	0.19 U	5.2	0.76	0.94	2.0
Naphthalene		2.7 U	0.68 U	2.7 U	0.68 U	0.68 U	1.6 U
N-Heptane		0.74 U	0.45 J	0.74 U	0.49 J	0.18 U	3.4
N-Hexane		0.74 U	0.42 J	0.74 U	0.42 J	0.34 J	0.58 J
O-Xylene (1,2-Dimethylbenzene)		1.3 U	0.33 U	1.3 U	0.33 U	0.33 U	14
Styrene		0.89 U	0.23 U	0.89 U	0.43 J	0.23 U	10
Tert-Butyl Methyl Ether		1.2 U	0.29 U	1.2 U	0.29 U	0.29 U	0.13 U
Tetrachloroethylene (PCE)		437	0.88	759	3.4	12	210
Tetrahydrofuran		1.1 U	0.27 U	1.1 U	0.27 U	0.27 U	3.8 U
Toluene		3.4	1.4	6.8	1.5	0.75	340
Trans-1,2-Dichloroethene		0.44 U	0.11 U	0.44 U	0.11 U	0.11 U	0.091 U
Trans-1,3-Dichloropropene		1.8 U	0.45 U	1.8 U	0.45 U	0.45 U	0.25 U
Trichloroethylene (TCE)		5.9	0.10 U	4.8	1.6	6.4	2.0
Trichlorofluoromethane		3.5 U	1.1	3.5 U	1.2	1.1	0.97 J
Vinyl Bromide		1.0 U	0.27 U	1.0 U	0.27 U	0.27 U	0.22 U
Vinyl Chloride		0.72 U	0.18 U	0.72 U	0.18 U	0.18 U	0.054 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-34 GC043 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property Address: Location ID: Sample Type: Sample Matrix: Date: Analyte	GC043				
	GC043-BA01	GC043-SV02	GC043-SV02	GC043-BA02	GC043-OA01
	Normal	Normal	Duplicate	Normal	Normal
	Basement Air	Sub-slab Vapor	Sub-slab Vapor	Basement Air	Outdoor Air
	3/21/2024	3/21/2024	3/21/2024	3/21/2024	3/21/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.41 U	0.41 U	0.56 J	0.41 U	0.41 U
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
1,2,4-Trimethylbenzene	1.4	7.1	7.8	0.83 J	0.39 U
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3,5-Trimethylbenzene (Mesitylene)	0.33 J	2.5	2.9	0.23 U	0.23 U
1,3-Butadiene	0.086 U	0.45	0.61	0.086 U	0.086 U
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,4-Dichlorobenzene	0.54 U	0.69 J	0.94 J	0.54 U	0.54 U
1,4-Dioxane (P-Dioxane)	0.30 U	2.3 J	3.3 J	0.30 U	0.30 U
2-Hexanone	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
4-Ethyltoluene	0.24 U	2.7	3.1	0.24 U	0.24 U
Acetone	16	28	25	9.7 J	8.9 J
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Benzene	0.38 J	0.69	0.79	0.37 J	0.36 J
Benzyl Chloride	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Bromodichloromethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromomethane	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Carbon Disulfide	0.40 U	2.4	3.1	0.40 U	0.40 U
Carbon Tetrachloride	0.40	0.52	0.57	0.36	0.32
Chlorobenzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroethane	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Chloroform	1.3	11	13	0.72 J	0.20 U

**Table C-34 GC043 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property Address:	GC043				
	Location ID:	GC043-BA01	GC043-SV02	GC043-SV02	GC043-BA02	GC043-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal	Normal
	Sample Matrix:	Basement Air	Sub-slab Vapor	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	3/21/2024	3/21/2024	3/21/2024	3/21/2024	3/21/2024
Chloromethane (Methyl Chloride)	0.78 J	0.33 J	0.31 U	0.68 J	0.95 J	
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	
Cyclohexane	0.20 U	1.3	1.5	0.20 U	0.20 U	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	2.0 J	2.2 J	2.0 J	2.5	1.9 J	
Ethylbenzene	0.50 J	2.8	3.4	0.44 J	0.30 U	
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Isopropanol	5.8 J	5.1 J	5.9 J	3.9 U	3.9 U	
M,P-Xylene (Sum Of Isomers)	1.1 J	5.9	7.1	0.70 J	0.41 U	
Methyl Ethyl Ketone (2-Butanone)	3.6	3.9	2.8	1.4 U	1.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.53 U	0.73 J	0.69 J	0.53 U	0.53 U	
Methylene Chloride	0.64 J	0.63 U	0.70 J	0.63 U	0.74 J	
Naphthalene	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	
N-Heptane	0.35 J	9.6	12	0.23 U	0.23 U	
N-Hexane	0.39 U	1.1 J	1.3 J	0.39 U	0.39 U	
O-Xylene (1,2-Dimethylbenzene)	0.60 J	3.7	4.6	0.44 J	0.27 U	
Styrene	0.77 J	160	240	0.29 J	0.25 U	
Tert-Butyl Methyl Ether	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	
Tetrachloroethylene (PCE)	0.91 J	400	510	0.47 J	0.14 U	
Tetrahydrofuran	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	
Toluene	1.8	59	75	1.1	0.66 J	
Trans-1,2-Dichloroethene	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	
Trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	
Trichloroethylene (TCE)	0.13 U	2.0	2.7	0.13 U	0.13 U	
Trichlorofluoromethane	0.97 J	1.0 J	1.1	0.96 J	1.0 J	
Vinyl Bromide	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	
Vinyl Chloride	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-35 GC044 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property Address:	GC044				
	Location ID:	GC044-SV01	GC044-SV01	GC044-BA01	GC044-FA01	GC044-OA01
	Sample Type:	Normal	Duplicate	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	2/27/2024	2/27/2024	2/27/2024	2/27/2024	2/27/2024
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.83 J	0.65 J	0.24 U	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.58 J	0.42 J	0.41 J	0.42 J	0.41 J	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	1.3	4.1	0.47 J	0.39 J	0.39 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.23 U	1.5	0.23 U	0.23 U	0.23 U	
1,3-Butadiene	0.086 U	0.086 U	0.086 U	0.086 U	0.086 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	1.3	1.2	0.54 U	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	
2-Hexanone	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	0.24 U	0.65 J	0.24 U	0.24 U	0.24 U	
Acetone	9.5 J	11 J	12	7.9 J	7.8 J	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	
Benzene	0.16 J	0.27 J	0.51 J	0.48 J	0.41 J	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	1.2 J	1.1 J	0.40 U	0.40 U	0.40 U	
Carbon Tetrachloride	0.94	0.84	0.37	0.41	0.32	
Chlorobenzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	
Chloroform	8.3	6.5	0.25 J	0.24 J	0.20 U	
Chloromethane (Methyl Chloride)	0.31 U	0.37 J	1.1	1.0	1.1	
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	
Cyclohexane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	2.0 J	2.0 J	2.1 J	2.2 J	1.8 J	
Ethylbenzene	0.30 J	0.85 J	0.45 J	0.30 U	0.30 U	
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Isopropanol	3.9 U	3.9 U	8.0 J	5.7 J	3.9 U	
m,p-Xylene	1.0 J	8.8 J	1.2 J	0.71 J	0.41 U	
Methyl Ethyl Ketone (2-Butanone)	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	
Methylene Chloride	2.4	2.0	0.63 U	0.63 U	0.63 U	
Naphthalene	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	
N-Heptane	0.23 U	0.44 J	8.6	0.50 J	0.23 U	
N-Hexane	0.39 U	0.39 U	0.63 J	0.62 J	0.39 U	

**Table C-35 GC044 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property Address:	GC044				
	Location ID:	GC044-SV01	GC044-SV01	GC044-BA01	GC044-FA01	GC044-OA01
	Sample Type:	Normal	Duplicate	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	2/27/2024	2/27/2024	2/27/2024	2/27/2024	2/27/2024
O-Xylene (1,2-Dimethylbenzene)	0.43 J	0.58 J	0.39 J	0.27 U	0.27 U	
Styrene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	
Tert-Butyl Methyl Ether	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	
Tetrachloroethylene (PCE)	2.1	1.7	0.32 J	0.38 J	2.5	
Tetrahydrofuran	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	
Toluene	1.4	1.7	2.4	0.87	0.38 J	
Trans-1,2-Dichloroethene	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	
Trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	
Trichloroethylene (TCE)	0.42	0.34	0.13 U	0.13 U	0.13 U	
Trichlorofluoromethane	1.2	1.1	1.1	1.1	1.0 J	
Vinyl Bromide	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	
Vinyl Chloride	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-36 GC045 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC045		
	Location ID:	GC045-SV01	GC045-FA01	GC045-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	Outdoor Air
	Date:	1/22/2024	1/22/2024	1/22/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.776 U	0.389 U	0.365 U	
1,1,2,2-Tetrachloroethane	0.558 U	0.279 U	0.263 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.25 U	0.624 U	0.794	
1,1,2-Trichloroethane	0.397 U	0.199 U	0.187 U	
1,1-Dichloroethane	0.569 U	0.285 U	0.268 U	
1,1-Dichloroethene	0.168 U	0.0841 U	0.079 U	
1,2,4-Trichlorobenzene	0.993 UJ	0.497 UJ	0.467 UJ	
1,2,4-Trimethylbenzene	1.33	0.500	0.235 J	
1,2-Dibromoethane (Ethylene Dibromide)	0.521 U	0.261 U	0.245 U	
1,2-Dichlorobenzene	0.662 U	0.331 U	0.311 U	
1,2-Dichloroethane	0.425 U	0.213 U	0.200 U	
1,2-Dichloropropane	0.399 U	0.200 U	0.188 U	
1,2-Dichlorotetrafluoroethane	1.16 U	0.581 U	0.546 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.450 U	0.225 U	0.212 U	
1,3-Butadiene	0.142 UJ	0.0713 UJ	0.0670 UJ	
1,3-Dichlorobenzene	0.682 U	0.342 U	0.321 U	
1,4-Dichlorobenzene	1.32	70.3	0.431 J	
1,4-Dioxane (P-Dioxane)	0.916 J	0.254 U	0.238 U	
2-Hexanone	0.285 U	0.142 U	0.134 U	
4-Ethyltoluene	0.750 J	0.417	0.298 U	
Acetone	46.0	16.1	15.3	
Allyl Chloride (3-Chloropropene)	0.403 U	0.202 U	0.190 U	
Benzene	0.536 U	1.08	1.07	
Benzyl Chloride	0.474 U	0.237 UJ	0.223 UJ	
Bromodichloromethane	1.36	0.193 U	0.182 U	
Bromoform	0.858 U	0.430 U	0.404 U	
Bromomethane	0.645 U	0.323 U	0.303 U	
Carbon Disulfide	4.85	0.248 U	0.233 U	
Carbon Tetrachloride	0.426	0.480 J	0.602 J	
Chlorobenzene	0.437 U	0.219 U	0.205 U	
Chloroethane	0.286 U	0.143 U	0.135 U	
Chloroform	126	0.621	0.358 U	
Chloromethane (Methyl Chloride)	0.171 UJ	0.771 J	2.50 J	
Cis-1,2-Dichloroethylene	2.42	0.0841 U	0.0790 U	
Cis-1,3-Dichloropropene	0.315 U	0.158 U	0.148 U	
Cyclohexane	0.501 U	0.379	0.329	
Dibromochloromethane	0.707 U	0.354 UJ	0.333 UJ	
Dichlorodifluoromethane	3.02	2.14 J	3.51 J	

**Table C-36 GC045 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC045		
	Location ID:	GC045-SV01	GC045-FA01	GC045-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	Outdoor Air
	Date:	1/22/2024	1/22/2024	1/22/2024
Ethylbenzene	0.662 J	0.405	0.311 J	
Hexachlorobutadiene	1.54 UJ	0.769 UJ	0.723 UJ	
Isopropanol	5.29	11.3	16.5	
m,p-Xylene	1.99	1.22	0.900	
Methyl Ethyl Ketone (2-Butanone)	3.35	1.08	0.823	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2.01	0.295 U	0.392	
Methylene Chloride	1.82	0.589	0.775	
Naphthalene	0.861 UJ	2.13 J	0.405 UJ	
N-Heptane	0.299 U	0.834	0.588	
N-Hexane	0.478 U	1.29	0.843	
O-Xylene (1,2-Dimethylbenzene)	0.883	0.479	0.346	
Styrene	0.505 J	0.213 U	0.200 U	
Tert-Butyl Methyl Ether	0.592 U	0.297 U	0.279 U	
Tetrachloroethylene (PCE)	29.2	0.518 J	0.324 J	
Tetrahydrofuran	0.899 J	0.133 U	0.125 U	
Toluene	9.13	3.45	1.80	
Trans-1,2-Dichloroethene	0.531 U	0.266 U	0.250 U	
Trans-1,3-Dichloropropene	0.707 U	0.354 U	0.333 U	
Trichloroethylene (TCE)	22.5	0.114 U	0.107 U	
Trichlorofluoromethane	2.67	1.29	1.84	
Vinyl Bromide	0.711 U	0.356 U	0.335 U	
Vinyl Chloride	0.191 UJ	0.0954 UJ	0.0896 UJ	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-37 GC046 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC046		
	Location ID:	GC046-SV01	GC046-BA01	GC046-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	1/3/2024	1/3/2024	1/3/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.31 U	0.093 U	0.093 U	
1,1,2,2-Tetrachloroethane	0.54 U	0.54 U	0.54 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.13 U	0.13 U	0.13 U	
1,1,2-Trichloroethane	0.13 U	0.13 U	0.13 U	
1,1-Dichloroethane	0.19 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.17 U	0.17 U	0.17 U	
1,2,4-Trichlorobenzene	0.42 UJ	0.42 UJ	0.42 UJ	
1,2,4-Trimethylbenzene	1.2 J	0.59 J	0.38 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.59 U	0.59 U	0.59 U	
1,2-Dichlorobenzene	0.58 U	0.58 U	0.58 U	
1,2-Dichloroethane	0.89	0.24 U	0.24 U	
1,2-Dichloropropane	0.25 U	0.25 U	0.25 U	
1,2-Dichlorotetrafluoroethane	0.17 U	0.17 U	0.17 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.64 J	0.40 U	0.40 U	
1,3-Butadiene	0.24 U	0.24 U	0.24 U	
1,3-Dichlorobenzene	0.46 U	0.46 U	0.46 U	
1,4-Dichlorobenzene	2.5 J	0.64 U	0.64 U	
1,4-Dioxane (P-Dioxane)	0.061 U	0.061 U	0.061 U	
2-Hexanone	0.13 U	0.13 U	0.13 U	
4-Ethyltoluene	0.38 U	0.38 U	0.38 U	
Acetone	110 J	13 J	7.3 J	
Allyl Chloride (3-Chloropropene)	0.23 U	0.23 U	0.23 U	
Benzene	1.1	0.70	0.67	
Benzyl Chloride	0.56 U	0.56 U	0.56 U	
Bromodichloromethane	0.42 U	0.42 U	0.42 U	
Bromoform	1.2 U	1.2 U	1.2 U	
Bromomethane	0.21 U	0.21 U	0.21 U	
Carbon Disulfide	12	0.14 U	0.14 U	
Carbon Tetrachloride	0.48 U	0.63	0.57	
Chlorobenzene	0.19 U	0.19 U	0.19 U	
Chloroethane	0.33 U	0.33 U	0.33 U	
Chloroform	0.88	0.17 U	0.17 U	
Chloromethane (Methyl Chloride)	0.39	0.93	1.1	
Cis-1,2-Dichloroethylene	0.53 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	
Cyclohexane	0.15 U	0.15 U	0.15 U	
Dibromochloromethane	0.65 U	0.65 U	0.65 U	
Dichlorodifluoromethane	2.8	2.9	2.9	
Ethylbenzene	1.5	0.15 U	0.15 U	

**Table C-37 GC046 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC046		
	Location ID:	GC046-SV01	GC046-BA01	GC046-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	1/3/2024	1/3/2024	1/3/2024
Hexachlorobutadiene	0.78 U	0.78 U	0.78 U	
Isopropanol	13	3.1	1.4	
m,p-Xylene	5.6	0.91 J	0.21 U	
Methyl Ethyl Ketone (2-Butanone)	5.4	0.97	0.59 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.74 J	0.22 U	0.22 U	
Methylene Chloride	5.4	1.2	1.4	
Naphthalene	0.36 U	0.26 U	0.26 U	
N-Heptane	0.16 U	0.86	0.45 J	
N-Hexane	0.19 U	0.88	0.67	
O-Xylene (1,2-Dimethylbenzene)	1.5	0.41 U	0.41 U	
Styrene	1.4	0.30 U	0.30 U	
Tert-Butyl Methyl Ether	0.14 U	0.14 U	0.14 U	
Tetrachloroethylene (PCE)	6.2	0.21 U	0.21 U	
Tetrahydrofuran	3.2	0.14 U	0.14 U	
Toluene	14	2.5	1.1	
Trans-1,2-Dichloroethene	0.16 U	0.16 U	0.16 U	
Trans-1,3-Dichloropropene	0.17 U	0.17 U	0.17 U	
Trichloroethylene (TCE)	0.86	0.16	0.16 U	
Trichlorofluoromethane	1.5	1.6	1.6	
Vinyl Bromide	0.15 U	0.15 U	0.15 U	
Vinyl Chloride	0.11 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-38 GC047 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC047		
	Location ID:	GC047-BA01	GC047-FA01	GC047-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	1/8/2024	1/8/2024	1/8/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.450 U	0.399 U	0.367 U	
1,1,2,2-Tetrachloroethane	0.323 U	0.287 U	0.264 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.722 U	0.640 U	0.589 U	
1,1,2-Trichloroethane	0.230 U	0.204 U	0.188 U	
1,1-Dichloroethane	0.330 U	0.292 U	0.269 U	
1,1-Dichloroethene	0.0972 U	0.0862 U	0.0794 U	
1,2,4-Trichlorobenzene	0.575 UJ	0.510 UJ	0.470 UJ	
1,2,4-Trimethylbenzene	1.01 J-	0.813 J-	1.46 J-	
1,2-Dibromoethane (Ethylene Dibromide)	0.301 U	0.267 U	0.246 U	
1,2-Dichlorobenzene	0.383 U	0.340 U	0.313 U	
1,2-Dichloroethane	0.246 U	0.218 U	0.201 U	
1,2-Dichloropropane	0.231 U	0.205 U	0.189 U	
1,2-Dichlorotetrafluoroethane	0.672 U	0.596 U	0.549 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.338 J-	0.299 J-	0.473 J-	
1,3-Butadiene	0.0825 UJ	0.0731 UJ	0.0673 UJ	
1,3-Dichlorobenzene	0.395 U	0.350 U	0.323 U	
1,4-Dichlorobenzene	0.354 U	0.314 U	0.289 U	
1,4-Dioxane (P-Dioxane)	0.293 UJ	0.260 UJ	0.240 UJ	
2-Hexanone	0.165 UJ	0.146 UJ	0.135 UJ	
4-Ethyltoluene	1.11 J-	0.813 J-	1.54 J-	
Acetone	8.97 J-	13.9 J-	8.47 J-	
Allyl Chloride (3-Chloropropene)	0.233 U	0.207 U	0.191 U	
Benzene	2.26 J-	1.95 J-	2.33 J-	
Benzyl Chloride	0.274 U	0.243 U	0.224 U	
Bromodichloromethane	0.223 U	0.198 U	0.182 U	
Bromoform	0.497 U	0.441 U	0.406 U	
Bromomethane	0.373 U	0.331 U	0.305 U	
Carbon Disulfide	0.287 U	0.255 U	0.234 U	
Carbon Tetrachloride	0.494 J-	0.438 J-	0.504 J-	
Chlorobenzene	0.253 U	0.224 U	0.207 U	
Chloroethane	0.166 U	0.147 U	0.135 U	
Chloroform	0.479 J-	0.807 J-	0.360 U	
Chloromethane (Methyl Chloride)	1.13 J-	1.19 J-	1.17 J-	
Cis-1,2-Dichloroethylene	0.0972 U	0.0862 U	0.0794 U	
Cis-1,3-Dichloropropene	0.183 U	0.162 U	0.149 U	
Cyclohexane	0.743 J-	0.809 J-	0.689 J-	
Dibromochloromethane	0.409 U	0.363 U	0.334 U	
Dichlorodifluoromethane	2.09 J-	2.02 J-	1.35 J-	
Ethylbenzene	2.68 J-	2.00 J-	3.41 J-	

**Table C-38 GC047 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC047		
	Location ID:	GC047-BA01	GC047-FA01	GC047-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	1/8/2024	1/8/2024	1/8/2024
Hexachlorobutadiene	0.889 UJ	0.789 UJ	0.726 UJ	
Isopropanol	3.06 J-	3.66 J-	4.65 J-	
m,p-Xylene	3.19 J-	2.53 J-	3.83 J-	
Methyl Ethyl Ketone (2-Butanone)	1.24 J-	1.57 J-	0.898 J-	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.723 J-	0.748 J-	0.525 J-	
Methylene Chloride	0.750 J-	0.876 J-	0.723 J-	
Naphthalene	0.499 UJ	0.442 UJ	0.714 J-	
N-Heptane	1.53 J-	1.64 J-	1.71 J-	
N-Hexane	1.97 J-	1.78 J-	1.84 J-	
O-Xylene (1,2-Dimethylbenzene)	1.41 J-	1.06 J-	1.70 J-	
Styrene	0.247 U	0.219 U	0.201 U	
Tert-Butyl Methyl Ether	0.343 U	0.304 U	0.280 U	
Tetrachloroethylene (PCE)	0.732 J-	0.649 J-	0.761 J-	
Tetrahydrofuran	0.810 J-	0.744 J-	0.803 J-	
Toluene	3.81 J-	3.64 J-	4.11 J-	
Trans-1,2-Dichloroethene	0.307 U	0.273 U	0.251 U	
Trans-1,3-Dichloropropene	0.410 U	0.363 U	0.334 U	
Trichloroethylene (TCE)	0.132 U	0.117 U	0.108 U	
Trichlorofluoromethane	1.38 J-	1.27 J-	1.40 J-	
Vinyl Bromide	0.412 U	0.365 U	0.336 U	
Vinyl Chloride	0.110 UJ	0.0979 UJ	0.0901 UJ	

Key:

Qualifiers

J- = Estimated value with low bias

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-39 GC048 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC048			
	Location ID:	GC048-SV01	GC048-BA01	GC048-FA01	GC048-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/19/2024	3/19/2024	3/19/2024	3/19/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.50 J	0.42 J	0.48 J	0.41 U	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	20	0.39 U	0.43 J	0.39 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.76 J	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.23 U	0.23 U	0.23 U	0.23 U	
1,3-Butadiene	0.59	0.086 U	0.21 J	0.086 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	1.4	0.54 U	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	0.89 J	0.30 U	0.30 U	0.30 U	
2-Hexanone	0.61 U	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	6.9	0.24 U	0.24 U	0.24 U	
Acetone	110 J	160	21	20	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	0.38 U	
Benzene	3.6	0.45 J	0.66	0.62 J	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	17	0.40 U	0.40 U	0.40 U	
Carbon Tetrachloride	0.26	0.40	0.48	0.14 U	
Chlorobenzene	0.20 U	0.20 U	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	0.47 U	
Chloroform	2.9	1.5	1.5	0.20 U	
Chloromethane (Methyl Chloride)	0.65 J	1.0	1.5	1.3	
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.083 U	0.43	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	
Cyclohexane	13	0.34 J	0.20 U	1.1	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	2.9	2.3 J	2.3 J	2.3 J	
Ethylbenzene	30	0.86 J	0.30 U	0.85 J	
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	1.2 U	
Isopropanol	14	5.9 J	9.3 J	7.4 J	
m,p-Xylene	110	2.5	0.74 J	0.45 J	
Methyl Ethyl Ketone (2-Butanone)	8.9	1.4 U	1.4 U	1.6	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.8 J	0.53 U	0.53 U	0.53 U	
Methylene Chloride	12	1.6 J	0.63 U	0.67 J	

**Table C-39 GC048 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC048			
	Location ID:	GC048-SV01	GC048-BA01	GC048-FA01	GC048-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/19/2024	3/19/2024	3/19/2024	3/19/2024
Naphthalene	1.6 U	1.6 U	1.6 U	1.6 U	
N-Heptane	19	0.48 J	0.45 J	1.0	
N-Hexane	6.3	0.47 J	0.64 J	2.1	
O-Xylene (1,2-Dimethylbenzene)	33	0.63 J	0.27 U	0.27 U	
Styrene	46	0.25 U	0.25 U	0.25 U	
Tert-Butyl Methyl Ether	0.13 U	0.13 U	0.13 U	0.13 U	
Tetrachloroethylene (PCE)	7.4	0.51 J	0.23 J	1.5	
Tetrahydrofuran	3.8 U	3.8 U	3.8 U	5.1 J	
Toluene	1600	3.6	1.6	0.96	
Trans-1,2-Dichloroethene	0.091 U	0.091 U	0.091 U	0.091 U	
Trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	0.25 U	
Trichloroethylene (TCE)	0.49	0.13 U	0.13 U	0.40	
Trichlorofluoromethane	1.5	1.3	1.2	0.98 J	
Vinyl Bromide	0.22 U	0.22 U	0.22 U	0.22 U	
Vinyl Chloride	0.054 U	0.054 U	0.054 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-40 GC048 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Property ID: GC048	
Location ID: GC048-WG01	
Sample Type: Normal	
Date: 01/29/24	
Analyte	
Volatile Organic Compounds by Method SW8260 (µg/L)	
1,1,1,2-Tetrachloroethane	0.216 U
1,1,1-Trichloroethane (TCA)	0.266 U
1,1,2,2-Tetrachloroethane	0.256 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.286 U
1,1,2-Trichloroethane	0.249 UR
1,1-Dichloroethane	0.272 U
1,1-Dichloroethene	0.327 U
1,2,3-Trichlorobenzene	0.222 UR
1,2,3-Trichloropropane	0.273 U
1,2,4-Trichlorobenzene	0.138 UR
1,2,4-Trimethylbenzene	0.310 U
1,2-Dibromo-3-Chloropropane	0.432 U
1,2-Dibromoethane (Ethylene Dibromide)	0.215 UR
1,2-Dichlorobenzene	0.270 U
1,2-Dichloroethane	0.377 U
1,2-Dichloropropane	0.327 U
1,3,5-Trimethylbenzene (Mesitylene)	0.347 U
1,3-Dichlorobenzene	0.283 U
1,3-Dichloropropane	0.260 U
1,4-Dichlorobenzene	0.311 U
1,4-Diethyl Benzene	0.341 U
1,4-Dioxane (P-Dioxane)	35.3 UJ
2-Hexanone	0.320 U
4-Ethyltoluene	0.200 U
Acetone	5.28
Acrolein	0.447 UJ
Acrylonitrile	0.422 U
Benzene	0.279 U
Bromochloromethane	0.354 U
Bromodichloromethane	0.245 U
Bromoform	0.163 UR
Bromomethane	0.119 U
Carbon Disulfide	0.362 U
Carbon Tetrachloride	0.204 U
Chlorobenzene	0.284 U
Chloroethane	0.448 U
Chloroform	0.243 U
Chloromethane (Methyl Chloride)	0.372 U
Cis-1,2-Dichloroethylene	0.294 U
Cis-1,3-Dichloropropene	0.262 U
Cyclohexane	0.491 U
Dibromochloromethane	0.146 UR
Dibromomethane	0.203 U
Dichlorodifluoromethane	0.451 U
Ethylbenzene	0.290 U
Hexachlorobutadiene	0.241 U
Isopropylbenzene (Cumene)	0.405 U
m,p-Xylene	0.578 U
Methyl Acetate	0.442 U

**Table C-40 GC048 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Property ID: GC048	
Location ID: GC048-WG01	
Sample Type: Normal	
Date: 01/29/24	
Analyte	
Methyl Ethyl Ketone (2-Butanone)	0.421 UJ
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.365 U
Methylcyclohexane	0.477 U
Methylene Chloride	0.397 U
Naphthalene	0.212 U
N-Butylbenzene	0.399 U
N-Propylbenzene	0.384 U
O-Xylene (1,2-Dimethylbenzene)	0.261 U
P-Cymene (P-Isopropyltoluene)	0.377 U
Sec-Butylbenzene	0.444 U
Styrene	0.255 U
T-Butylbenzene	0.367 U
Tert-Butyl Alcohol	0.608 UJ
Tert-Butyl Methyl Ether	0.244 U
Tetrachloroethylene (PCE)	0.239 UJ
Toluene	0.346 U
Trans-1,2-Dichloroethene	0.279 U
Trans-1,3-Dichloropropene	0.229 U
Trichloroethylene (TCE)	0.249 U
Trichlorofluoromethane	0.337 U
Vinyl Chloride	0.469 U
Xylenes	0.836 U
Semivolatile Organics by Method SW8270 (µg/L)	
1,2,4,5-Tetrachlorobenzene	2.56 U
1,2,4-Trichlorobenzene	2.56 UR
1,2-Dichlorobenzene	2.56 U
1,2-Diphenylhydrazine	2.56 U
1,3-Dichlorobenzene	2.56 U
1,4-Dichlorobenzene	2.56 U
2,3,4,6-Tetrachlorophenol	2.56 U
2,4,5-Trichlorophenol	2.56 U
2,4,6-Trichlorophenol	2.56 U
2,4-Dichlorophenol	2.56 U
2,4-Dimethylphenol	2.56 UJ
2,4-Dinitrophenol	2.56 UJ
2,4-Dinitrotoluene	2.56 U
2,6-Dinitrotoluene	2.56 U

**Table C-40 GC048 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC048
	Location ID:	GC048-WG01
	Sample Type:	Normal
	Date:	01/29/24
2-Chloronaphthalene		2.56 U
2-Chlorophenol		2.56 U
2-Methylnaphthalene		2.56 U
2-Methylphenol (O-Cresol)		2.56 U
2-Nitroaniline		2.56 U
2-Nitrophenol		2.56 U
3- And 4- Methylphenol (Total)		2.56 UJ
3,3'-Dichlorobenzidine		2.56 U
3-Nitroaniline		2.56 U
4,6-Dinitro-2-Methylphenol		2.56 UJ
4-Bromophenyl Phenyl Ether		2.56 U
4-Chloro-3-Methylphenol		2.56 U
4-Chloroaniline		2.56 UJ
4-Chlorophenyl Phenyl Ether		2.56 U
4-Nitroaniline		2.56 U
4-Nitrophenol		5.13 U
Acetophenone		2.56 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

UR = Not detected/result is rejected

Other

µg/L = Micrograms per liter

**Table C-41 GC049 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC049			
	Location ID:	GC049-SV01	GC049-BA01	GC049-FA01	GC049-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	1/29/2024	1/29/2024	1/29/2024	1/29/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	1.71 U	0.423 U	0.415 U	0.385 U	
1,1,2,2-Tetrachloroethane	1.23 U	0.304 U	0.298 U	0.276 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	2.74 U	0.678 U	0.666 U	0.617 U	
1,1,2-Trichloroethane	0.874 U	0.216 U	0.212 U	0.197 U	
1,1-Dichloroethane	1.25 U	0.310 U	0.304 U	0.282 U	
1,1-Dichloroethene	0.369 U	0.0914 U	0.0897 U	0.0832 U	
1,2,4-Trichlorobenzene	2.18 U	0.541 U	0.531 U	0.492 U	
1,2,4-Trimethylbenzene	31.3	0.680	0.578	1.07	
1,2-Dibromoethane (Ethylene Dibromide)	1.14 U	0.283 U	0.278 U	0.258 U	
1,2-Dichlorobenzene	1.46 U	0.360 U	0.354 U	0.328 U	
1,2-Dichloroethane	0.934 U	0.231 U	0.227 U	0.211 U	
1,2-Dichloropropane	0.878 U	0.217 U	0.213 U	0.198 U	
1,2-Dichlorotetrafluoroethane	2.55 U	0.632 U	0.620 U	0.575 U	
1,3,5-Trimethylbenzene (Mesitylene)	20.3	0.245 U	0.240 U	0.247 J	
1,3-Butadiene	0.313 U	0.0775 U	0.0761 U	0.0705 U	
1,3-Dichlorobenzene	1.50 U	0.371 U	0.365 U	0.338 U	
1,4-Dichlorobenzene	1.34 U	0.333 U	0.326 U	0.303 U	
1,4-Dioxane (P-Dioxane)	1.11 U	0.276 U	0.271 U	0.251 U	
2-Hexanone	3.36	0.155 U	0.152 U	0.141 U	
4-Ethyltoluene	10.6	0.363 J	0.578	0.701	
Acetone	323	14.8	39.5	33.5	
Allyl Chloride (3-Chloropropene)	0.886 U	0.219 U	0.215 U	0.200 U	
Benzene	2.74	0.972	1.10	1.02	
Benzyl Chloride	1.04 U	0.258 U	0.253 U	0.235 U	
Bromodichloromethane	0.848 U	0.210 U	0.206 U	0.191 U	
Bromoform	1.89 U	0.467 U	0.458 U	0.425 U	
Bromomethane	1.42 U	0.351 U	0.344 U	0.319 U	
Carbon Disulfide	29.5	0.270 U	0.265 U	0.246 U	
Carbon Tetrachloride	0.586 U	0.406	0.455	0.422	
Chlorobenzene	0.960 U	0.238 U	0.233 U	0.216 U	
Chloroethane	0.629 U	0.156 U	0.153 U	0.142 U	
Chloroform	2.00	1.22	2.03	0.377 U	
Chloromethane (Methyl Chloride)	0.377 U	2.09	3.01	2.01	
Cis-1,2-Dichloroethylene	0.369 U	0.0914 U	0.0897 U	0.0832 U	
Cis-1,3-Dichloropropene	0.693 U	0.172 U	0.168 U	0.156 U	
Cyclohexane	1.67	0.273 U	0.436	0.248 U	
Dibromochloromethane	1.55 U	0.385 U	0.378 U	0.350 U	
Dichlorodifluoromethane	2.76	3.05	2.95	2.90	
Ethylbenzene	1.78	0.641	0.786	1.06	
Hexachlorobutadiene	3.38 U	0.836 U	0.820 U	0.761 U	
Isopropanol	8.24	3.88	6.96	2.68	
m,p-Xylene	7.28	1.00	1.65	2.00	
Methyl Ethyl Ketone (2-Butanone)	21.3	0.653	1.39	0.569	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.30 U	0.321 U	0.315 U	0.292 U	
Methylene Chloride	8.54	0.705	0.817	0.641	

**Table C-41 GC049 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC049			
	Location ID:	GC049-SV01	GC049-BA01	GC049-FA01	GC049-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	1/29/2024	1/29/2024	1/29/2024	1/29/2024
Naphthalene	4.10	0.870 J	0.854 J	0.968	
N-Heptane	5.04	0.567	1.30	0.688	
N-Hexane	1.84	0.422	0.383	0.591	
O-Xylene (1,2-Dimethylbenzene)	3.56	0.360 J	0.550	0.765	
Styrene	1.43 J	0.236 J	0.347 J	0.211 U	
Tert-Butyl Methyl Ether	1.30 U	0.322 U	0.316 U	0.293 U	
Tetrachloroethylene (PCE)	14.6	0.750	2.88	0.341 J	
Tetrahydrofuran	0.582 U	0.144 U	0.141 U	0.131 U	
Toluene	6.74	1.88	2.56	2.02	
Trans-1,2-Dichloroethene	1.17 U	0.289 U	0.283 U	0.263 U	
Trans-1,3-Dichloropropene	1.55 U	0.385 U	0.378 U	0.350 U	
Trichloroethylene (TCE)	0.500 U	0.124 U	0.122 U	0.113 U	
Trichlorofluoromethane	1.59 U	1.40	1.37	1.46	
Vinyl Bromide	1.56 U	0.387 U	0.380 U	0.352 U	
Vinyl Chloride	0.419 U	0.104 U	0.102 U	0.0944 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-42 GC050 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC050		
	Location ID:	GC050-BA01	GC050-FA01	GC050-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	3/6/2024	3/6/2024	3/6/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.339 U	0.351 U	0.357 U	
1,1,2,2-Tetrachloroethane	0.244 U	0.252 U	0.257 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.544 U	0.564 U	0.573 U	
1,1,2-Trichloroethane	0.173 U	0.180 U	0.183 U	
1,1-Dichloroethane	0.248 U	0.257 U	0.262 U	
1,1-Dichloroethene	0.0733 U	0.0759 U	0.0772 U	
1,2,4-Trichlorobenzene	0.433 UJ	0.449 UJ	0.457 UJ	
1,2,4-Trimethylbenzene	0.291 J	0.452	0.268 J	
1,2-Dibromoethane (Ethylene Dibromide)	0.227 U	0.235 U	0.239 U	
1,2-Dichlorobenzene	0.289 U	0.299 U	0.304 U	
1,2-Dichloroethane	0.185 U	0.496	0.195 U	
1,2-Dichloropropane	0.174 U	0.181 U	0.184 U	
1,2-Dichlorotetrafluoroethane	0.506 UJ	0.525 UJ	0.534 UJ	
1,3,5-Trimethylbenzene (Mesitylene)	0.196 U	0.203 U	0.207 U	
1,3-Butadiene	0.114 J	0.0644 UJ	0.0655 UJ	
1,3-Dichlorobenzene	0.298 U	0.309 U	0.314 U	
1,4-Dichlorobenzene	0.267 U	0.276 U	0.281 U	
1,4-Dioxane (P-Dioxane)	0.221 U	0.229 U	0.233 U	
2-Hexanone	0.151 UJ	0.157 UJ	0.131 UJ	
4-Ethyltoluene	0.276 U	0.339 J	0.291 U	
Acetone	6.34 J	19.9 J	0.181 U	
Allyl Chloride (3-Chloropropene)	0.416 J	0.182 U	0.185 U	
Benzene	0.803	0.856	0.796	
Benzyl Chloride	0.207 U	0.214 U	0.218 U	
Bromodichloromethane	0.168 U	0.174 U	0.177 U	
Bromoform	0.374 U	0.388 U	0.395 U	
Bromomethane	0.281 U	0.291 U	0.296 U	
Carbon Disulfide	0.216 U	0.224 U	0.228 U	
Carbon Tetrachloride	0.372	0.819	0.392	
Chlorobenzene	0.191 U	0.197 U	0.201 U	
Chloroethane	0.125 U	0.129 U	0.132 U	
Chloroform	0.505	1.94	0.350 U	
Chloromethane (Methyl Chloride)	0.900 J	2.70 J	2.82 J	
Cis-1,2-Dichloroethylene	0.0733 U	0.0759 U	0.0772 U	
Cis-1,3-Dichloropropene	0.138 U	0.143 U	0.145 U	
Cyclohexane	0.331	0.343	0.241 J	
Dibromochloromethane	0.308 U	0.320 U	0.325 U	
Dichlorodifluoromethane	2.27	1.82	1.96	
Ethylbenzene	0.385	0.466	0.338	

**Table C-42 GC050 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC050		
	Location ID:	GC050-BA01	GC050-FA01	GC050-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	3/6/2024	3/6/2024	3/6/2024
Hexachlorobutadiene	0.670 U	0.694 U	0.706 U	
Isopropanol	0.174 U	15.5	0.184 U	
m,p-Xylene	1.03	1.20	0.879	
Methyl Ethyl Ketone (2-Butanone)	0.129 U	1.49	0.136 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.257 UJ	0.267 UJ	0.271 UJ	
Methylene Chloride	0.796	1.57	0.595	
Naphthalene	0.376 UJ	0.390 UJ	0.396 UJ	
N-Heptane	0.130 U	0.942	0.137 U	
N-Hexane	0.469	0.567	0.439	
O-Xylene (1,2-Dimethylbenzene)	0.417	0.499	0.338	
Styrene	0.409	0.359	0.196 U	
Tert-Butyl Methyl Ether	0.258 U	0.268 U	0.272 U	
Tetrachloroethylene (PCE)	0.351 J	0.364 J	0.317 J	
Tetrahydrofuran	0.610	0.610	0.184 J	
Toluene	1.45	1.76	1.38	
Trans-1,2-Dichloroethene	0.231 U	0.240 U	0.244 U	
Trans-1,3-Dichloropropene	0.309 U	0.320 U	0.325 U	
Trichloroethylene (TCE)	0.0993 U	0.103 U	0.105 U	
Trichlorofluoromethane	1.20	1.21	1.14	
Vinyl Bromide	0.310 U	0.322 U	0.327 U	
Vinyl Chloride	0.0831 U	0.0862 U	0.0876 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-43 GC50 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC050	
	Location ID:	GC050-WG01	GC050-WG02
	Sample Type:	Normal	Normal
	Date:	03/06/24	03/06/24
Volatile Organic Compounds by Method SW8260 (µg/L)			
1,1,1,2-Tetrachloroethane	0.216 U	0.216 U	
1,1,1-Trichloroethane (TCA)	0.266 U	0.266 U	
1,1,2,2-Tetrachloroethane	0.256 U	0.256 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.286 U	0.286 U	
1,1,2-Trichloroethane	0.249 U	0.249 U	
1,1-Dichloroethane	0.272 U	0.272 U	
1,1-Dichloroethene	0.327 U	0.327 U	
1,2,3-Trichlorobenzene	0.222 UJ	0.222 UJ	
1,2,3-Trichloropropane	0.273 U	0.273 U	
1,2,4-Trichlorobenzene	0.138 UJ	0.138 UJ	
1,2,4-Trimethylbenzene	0.310 U	0.310 U	
1,2-Dibromo-3-Chloropropane	0.432 U	0.432 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.215 U	0.215 U	
1,2-Dichlorobenzene	0.270 U	0.270 U	
1,2-Dichloroethane	0.377 U	0.377 U	
1,2-Dichloropropane	0.327 U	0.327 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.347 U	0.347 U	
1,3-Dichlorobenzene	0.283 U	0.283 U	
1,3-Dichloropropane	0.260 U	0.260 U	
1,4-Dichlorobenzene	0.311 UJ	0.311 UJ	
1,4-Diethyl Benzene	0.341 U	0.341 U	
1,4-Dioxane (P-Dioxane)	35.3 UJ	35.3 UJ	
2-Hexanone	0.320 U	0.320 U	
4-Ethyltoluene	0.200 U	0.200 U	
Acetone	1.96 U	2.39	
Acrolein	0.447 UJ	0.447 UJ	
Acrylonitrile	0.422 U	0.422 U	
Benzene	0.279 U	0.279 U	
Bromochloromethane	0.354 U	0.354 U	
Bromodichloromethane	0.245 U	0.245 U	
Bromoform	0.163 UJ	0.163 UJ	
Bromomethane	0.119 UJ	0.119 UJ	
Carbon Disulfide	0.362 U	0.362 U	
Carbon Tetrachloride	0.204 U	0.204 U	
Chlorobenzene	0.284 U	0.284 U	
Chloroethane	0.448 UJ	0.448 UJ	
Chloroform	0.243 U	0.243 U	
Chloromethane (Methyl Chloride)	0.372 U	0.372 U	
Cis-1,2-Dichloroethylene	0.294 U	0.294 U	
Cis-1,3-Dichloropropene	0.262 U	0.262 U	
Cyclohexane	0.491 UJ	0.491 UJ	
Dibromochloromethane	0.146 U	0.146 U	
Dibromomethane	0.203 U	0.203 U	
Dichlorodifluoromethane	0.451 U	0.451 U	
Ethylbenzene	0.290 U	0.290 U	
Hexachlorobutadiene	0.241 UJ	0.241 UJ	
Isopropylbenzene (Cumene)	0.405 U	0.405 U	
m,p-Xylene	0.578 U	0.578 U	
Methyl Acetate	0.442 U	0.442 U	

**Table C-43 GC50 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC050	
	Location ID:	GC050-WG01	GC050-WG02
	Sample Type:	Normal	Normal
	Date:	03/06/24	03/06/24
Methyl Ethyl Ketone (2-Butanone)	0.421 U	1.50	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.365 U	0.365 U	
Methylcyclohexane	0.477 U	0.477 U	
Methylene Chloride	0.397 U	0.397 U	
Naphthalene	0.48 U	0.212 U	
N-Butylbenzene	0.399 U	0.399 U	
N-Propylbenzene	0.384 U	0.384 U	
O-Xylene (1,2-Dimethylbenzene)	0.261 U	0.261 U	
P-Cymene (P-Isopropyltoluene)	0.377 U	0.377 U	
Sec-Butylbenzene	0.444 U	0.444 U	
Styrene	1.22	0.255 U	
T-Butylbenzene	0.367 U	0.367 U	
Tert-Butyl Alcohol	0.608 UJ	0.608 UJ	
Tert-Butyl Methyl Ether	0.244 U	0.244 U	
Tetrachloroethylene (PCE)	0.239 UJ	0.239 UJ	
Toluene	0.830	0.346 U	
Trans-1,2-Dichloroethene	0.279 U	0.279 U	
Trans-1,3-Dichloropropene	0.229 U	0.229 U	
Trichloroethylene (TCE)	0.249 U	0.249 U	
Trichlorofluoromethane	0.337 U	0.337 U	
Vinyl Chloride	0.469 UJ	0.469 UJ	
Xylenes	0.836 U	0.836 U	
Semivolatile Organic Compounds by Method SW8270 (µg/L)			
1,2,4,5-Tetrachlorobenzene	2.56 U	2.50 U	
1,2,4-Trichlorobenzene	2.56 U	2.50 U	
1,2-Dichlorobenzene	2.56 U	2.50 U	
1,2-Diphenylhydrazine	2.56 U	2.50 U	
1,3-Dichlorobenzene	2.56 U	2.50 U	
1,4-Dichlorobenzene	2.56 U	2.50 U	
2,3,4,6-Tetrachlorophenol	2.56 UJ	2.5 UJ	
2,4,5-Trichlorophenol	2.56 U	2.50 U	
2,4,6-Trichlorophenol	2.56 U	2.50 U	
2,4-Dichlorophenol	2.56 U	2.50 U	
2,4-Dimethylphenol	2.56 U	2.50 U	
2,4-Dinitrophenol	2.56 UJ	2.50 UJ	
2,4-Dinitrotoluene	2.56 UJ	2.50 UJ	
2,6-Dinitrotoluene	2.56 UJ	2.50 UJ	
2-Chloronaphthalene	2.56 U	2.50 U	
2-Chlorophenol	2.56 U	2.50 U	

**Table C-43 GC50 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC050	
	Location ID:	GC050-WG01	GC050-WG02
	Sample Type:	Normal	Normal
	Date:	03/06/24	03/06/24
2-Methylnaphthalene		2.56 U	2.50 U
2-Methylphenol (O-Cresol)		2.56 U	2.50 U
2-Nitroaniline		2.56 UJ	2.5 UJ
2-Nitrophenol		2.56 U	2.50 U
3- And 4- Methylphenol (Total)		2.56 U	2.50 U
3,3'-Dichlorobenzidine		2.56 U	2.50 U
3-Nitroaniline		2.56 U	2.50 U
4,6-Dinitro-2-Methylphenol		2.56 UJ	2.50 UJ
4-Bromophenyl Phenyl Ether		2.56 UJ	2.50 UJ
4-Chloro-3-Methylphenol		2.56 U	2.50 U
4-Chloroaniline		2.56 U	2.50 U

Key:

Qualifiers

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/L = Micrograms per liter

**Table C-44 GC052 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC052		
	Location ID:	GC052-BA01	GC052-FA01	GC052-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	2/28/2024	2/28/2024	2/28/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.41 U	0.41 U	0.41 U	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	0.49 J	0.40 J	0.39 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.23 U	0.23 U	0.23 U	
1,3-Butadiene	0.086 U	0.086 U	0.086 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	0.54 U	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.30 U	
2-Hexanone	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	0.24 U	0.24 U	0.24 U	
Acetone	8.0 J	17	10 J	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	
Benzene	0.47 J	0.48 J	0.54 J	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	0.40 U	0.40 U	0.40 U	
Carbon Tetrachloride	0.23	0.34	0.19 J	
Chlorobenzene	0.20 U	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	
Chloroform	0.20 U	1.6	0.20 U	
Chloromethane (Methyl Chloride)	1.1	0.97 J	0.99 J	
Cis-1,2-Dichloroethylene	0.083 U	0.41	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	
Cyclohexane	0.20 U	0.20 U	0.46 J	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	1.8 J	1.8 J	1.8 J	
Ethylbenzene	0.30 U	0.30 U	0.50 J	

**Table C-44 GC052 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC052		
	Location ID:	GC052-BA01	GC052-FA01	GC052-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	2/28/2024	2/28/2024	2/28/2024
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	
Isopropanol	3.9 U	6.6 J	4.2 J	
m,p-Xylene	0.75 J	0.61 J	1.4 J	
Methyl Ethyl Ketone (2-Butanone)	1.4 U	1.4 U	1.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.53 U	0.53 U	1.3 J	
Methylene Chloride	1.0 J	0.64 J	2.5	
Naphthalene	1.6 U	1.6 U	1.6 U	
N-Heptane	0.23 U	0.23 U	0.23 U	
N-Hexane	1.1 J	0.39 U	5.9	
O-Xylene (1,2-Dimethylbenzene)	0.27 U	0.27 U	0.30 J	
Styrene	0.25 U	0.25 U	0.55 J	
Tert-Butyl Methyl Ether	0.13 U	0.13 U	0.13 U	
Tetrachloroethylene (PCE)	0.70 J	0.60 J	0.14 U	
Tetrahydrofuran	3.8 U	3.8 U	3.8 U	
Toluene	1.4	1.4	2.8	
Trans-1,2-Dichloroethene	0.091 U	0.091 U	0.091 U	
Trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	
Trichloroethylene (TCE)	0.13 U	0.13 U	0.13 U	
Trichlorofluoromethane	0.95 J	0.89 J	0.91 J	
Vinyl Bromide	0.22 U	0.22 U	0.22 U	
Vinyl Chloride	0.054 U	0.054 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-45 GC053 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC053		
	Location ID:	GC053-SV01	GC053-BA01	GC053-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	1/2/2024	1/2/2024	1/2/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.31 U	0.093 U	0.093 U	
1,1,2,2-Tetrachloroethane	0.54 U	0.54 U	0.54 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.13 U	0.13 U	0.13 U	
1,1,2-Trichloroethane	0.13 U	0.13 U	0.13 U	
1,1-Dichloroethane	0.19 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.17 U	0.17 U	0.17 U	
1,2,4-Trichlorobenzene	0.42 UJ	0.42 UJ	0.42 UJ	
1,2,4-Trimethylbenzene	100 J	0.93 J	0.38 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.59 U	0.59 U	0.59 U	
1,2-Dichlorobenzene	0.58 U	0.58 U	0.58 U	
1,2-Dichloroethane	1.5	0.24 U	0.24 U	
1,2-Dichloropropane	0.25 U	0.25 U	0.25 U	
1,2-Dichlorotetrafluoroethane	0.17 U	0.17 U	0.17 U	
1,3,5-Trimethylbenzene (Mesitylene)	39	0.40 U	0.40 U	
1,3-Butadiene	0.24 U	0.24 U	0.24 U	
1,3-Dichlorobenzene	0.46 U	0.46 U	0.46 U	
1,4-Dichlorobenzene	2.6 J	0.64 U	0.64 U	
1,4-Dioxane (P-Dioxane)	0.061 U	0.061 U	0.061 U	
2-Hexanone	0.13 U	0.13 U	0.13 U	
4-Ethyltoluene	18	0.38 U	0.38 U	
Acetone	220 J	80 J	8.8 J	
Allyl Chloride (3-Chloropropene)	0.23 U	0.23 U	0.23 U	
Benzene	0.99	0.99	0.89	
Benzyl Chloride	0.56 U	0.56 U	0.56 U	
Bromodichloromethane	0.42 U	0.42 U	0.42 U	
Bromoform	1.2 U	1.2 U	1.2 U	
Bromomethane	0.21 U	0.21 U	0.21 U	
Carbon Disulfide	140	1.0	0.14 U	
Carbon Tetrachloride	0.94	0.69	0.57	
Chlorobenzene	0.19 U	0.19 U	0.19 U	
Chloroethane	0.33 U	0.33 U	0.33 U	
Chloroform	0.68 J	1.9	0.17 U	
Chloromethane (Methyl Chloride)	0.17 U	1.1	1.1	
Cis-1,2-Dichloroethylene	0.53 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	
Cyclohexane	0.45 J	0.15 U	0.15 U	
Dibromochloromethane	0.65 U	0.65 U	0.65 U	
Dichlorodifluoromethane	3.1	3.0	3.2	
Ethylbenzene	8.2	0.15 U	0.15 U	

**Table C-45 GC053 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC053		
	Location ID:	GC053-SV01	GC053-BA01	GC053-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	1/2/2024	1/2/2024	1/2/2024
Hexachlorobutadiene	0.78 U	0.78 U	0.78 U	
Isopropanol	13	23	2.0	
m,p-Xylene	22	0.87 J	0.52 J	
Methyl Ethyl Ketone (2-Butanone)	5.6 J	1.5	0.71 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.2	0.61 J	0.22 U	
Methylene Chloride	11	1.6	1.3	
Naphthalene	1.4 J	0.79 J	0.26 U	
N-Heptane	1.3	0.16 U	0.16 U	
N-Hexane	1.2	0.85	0.70	
O-Xylene (1,2-Dimethylbenzene)	14	0.41 U	0.41 U	
Styrene	8.5	0.51 J	0.30 U	
Tert-Butyl Methyl Ether	0.14 U	0.14 U	0.14 U	
Tetrachloroethylene (PCE)	9.6	1.2	0.21 U	
Tetrahydrofuran	3.5	0.14 U	0.14 U	
Toluene	35	2.7	1.2	
Trans-1,2-Dichloroethene	0.16 U	0.16 U	0.16 U	
Trans-1,3-Dichloropropene	0.17 U	0.17 U	0.17 U	
Trichloroethylene (TCE)	1.4	0.16	0.16 U	
Trichlorofluoromethane	1.6	1.6	1.6	
Vinyl Bromide	0.15 U	0.15 U	0.15 U	
Vinyl Chloride	0.11 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-46 GC054 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC054		
	Location ID:	GC054-SV01	GC054-BA01	GC054-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-Slab Vapor	Basement Air	Outdoor Air
	Date:	1/9/2024	1/9/2024	1/9/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.31 U	0.093 U	0.13 U	
1,1,2,2-Tetrachloroethane	0.54 U	0.54 U	0.78 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.13 U	0.13 U	0.19 U	
1,1,2-Trichloroethane	0.13 U	0.13 U	0.20 U	
1,1-Dichloroethane	0.19 U	0.10 U	0.15 U	
1,1-Dichloroethene	0.17 U	0.17 U	0.25 U	
1,2,4-Trichlorobenzene	0.96 J	0.42 U	0.61 U	
1,2,4-Trimethylbenzene	36	0.54 J	0.56 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.59 U	0.59 U	0.86 U	
1,2-Dichlorobenzene	0.58 U	0.58 U	0.84 U	
1,2-Dichloroethane	0.93	0.24 U	0.34 U	
1,2-Dichloropropane	0.25 U	0.25 U	0.36 U	
1,2-Dichlorotetrafluoroethane	0.17 U	0.17 U	0.25 U	
1,3,5-Trimethylbenzene (Mesitylene)	11	0.40 U	0.58 U	
1,3-Butadiene	0.24 U	0.24 U	0.34 U	
1,3-Dichlorobenzene	0.46 U	0.46 U	0.67 U	
1,4-Dichlorobenzene	3.2	0.64 U	0.93 U	
1,4-Dioxane (P-Dioxane)	0.061 U	0.061 U	0.088 U	
2-Hexanone	0.13 U	0.13 U	0.18 U	
4-Ethyltoluene	7.2	0.38 U	0.55 U	
Acetone	34	13 J	17 J	
Allyl Chloride (3-Chloropropene)	0.23 U	0.23 U	0.33 U	
Benzene	1.4	0.80	0.74	
Benzyl Chloride	0.56 U	0.56 U	0.81 U	
Bromodichloromethane	0.42 U	0.42 U	0.60 U	
Bromoform	1.2 U	1.2 U	1.7 U	
Bromomethane	0.21 U	0.21 U	0.31 U	
Carbon Disulfide	12	0.81	2.1	
Carbon Tetrachloride	0.48 U	0.44	0.46	
Chlorobenzene	0.19 U	0.19 U	0.28 U	
Chloroethane	0.33 U	0.33 U	0.48 U	
Chloroform	0.59 J	0.59 J	0.25 U	
Chloromethane (Methyl Chloride)	0.97	0.95	0.93	
Cis-1,2-Dichloroethylene	0.53 U	0.099 U	0.14 U	
Cis-1,3-Dichloropropene	0.22 U	0.22 U	0.31 U	
Cyclohexane	0.15 U	0.15 U	0.22 U	
Dibromochloromethane	0.65 U	0.65 U	0.94 U	
Dichlorodifluoromethane	2.5	2.5	2.3	
Ethylbenzene	4.1	0.65	0.21 U	

**Table C-46 GC054 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC054		
	Location ID:	GC054-SV01	GC054-BA01	GC054-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-Slab Vapor	Basement Air	Outdoor Air
	Date:	1/9/2024	1/9/2024	1/9/2024
Hexachlorobutadiene	0.78 U	0.78 U	1.1 U	
Isopropanol	4.7	4.2	2.1	
m,p-Xylene	10	1.5	0.69 J	
Methyl Ethyl Ketone (2-Butanone)	1.3	0.88	1.1 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.22 U	0.22 U	0.32 U	
Methylene Chloride	5.0	1.1	6.1	
Naphthalene	1.2	0.73 J	0.76 J	
N-Heptane	0.78	0.16 U	0.23 U	
N-Hexane	0.92	0.70	3.2	
O-Xylene (1,2-Dimethylbenzene)	5.6 J	0.41 U	0.59 U	
Styrene	4.6	0.30 U	0.43 U	
Tert-Butyl Methyl Ether	0.14 U	0.14 U	0.21 U	
Tetrachloroethylene (PCE)	0.88 J	0.21 U	0.30 U	
Tetrahydrofuran	0.14 U	0.14 U	0.20 U	
Toluene	9.0	1.3	1.7	
Trans-1,2-Dichloroethene	0.16 U	0.16 U	0.23 U	
Trans-1,3-Dichloropropene	0.17 U	0.17 U	0.25 U	
Trichloroethylene (TCE)	0.27 U	0.16 U	0.31	
Trichlorofluoromethane	1.5	1.4	1.2	
Vinyl Bromide	0.15 U	0.15 U	0.22 U	
Vinyl Chloride	0.11 U	0.066 U	0.096 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-47 GC56 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC056		
	Location ID:	GC056-SV01	GC056-BA01	GC056-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	1/9/2024	1/9/2024	1/9/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.31 U	0.093 U	0.093 U	
1,1,2,2-Tetrachloroethane	0.54 U	0.54 U	0.54 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.13 U	0.13 U	0.13 U	
1,1,2-Trichloroethane	0.13 U	0.13 U	0.13 U	
1,1-Dichloroethane	0.19 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.17 U	0.17 U	0.17 U	
1,2,4-Trichlorobenzene	1.4	0.82 J	0.42 U	
1,2,4-Trimethylbenzene	290	9.3	1.5	
1,2-Dibromoethane (Ethylene Dibromide)	0.59 U	0.59 U	0.59 U	
1,2-Dichlorobenzene	0.58 U	0.58 U	0.58 U	
1,2-Dichloroethane	0.45 J	0.24 U	0.24 U	
1,2-Dichloropropane	0.25 U	0.25 U	0.25 U	
1,2-Dichlorotetrafluoroethane	0.17 U	0.17 U	0.17 U	
1,3,5-Trimethylbenzene (Mesitylene)	88	4.0	0.40 U	
1,3-Butadiene	0.24 U	0.24 U	0.24 U	
1,3-Dichlorobenzene	0.46 U	0.46 U	0.46 U	
1,4-Dichlorobenzene	3.2	0.64 U	1.3	
1,4-Dioxane (P-Dioxane)	0.061 U	0.061 U	0.061 U	
2-Hexanone	0.45 J	0.13 U	0.9 J	
4-Ethyltoluene	67	3.3	0.38 U	
Acetone	66	60	57 J	
Allyl Chloride (3-Chloropropene)	0.23 U	0.23 U	0.23 U	
Benzene	2.2	8.0	1.8	
Benzyl Chloride	0.56 U	0.56 U	0.56 U	
Bromodichloromethane	0.42 U	0.42 U	0.42 U	
Bromoform	1.2 U	1.2 U	1.2 U	
Bromomethane	0.21 U	0.21 U	0.21 U	
Carbon Disulfide	9.3	0.14 U	0.14 U	
Carbon Tetrachloride	0.48 U	0.11 U	0.38	
Chlorobenzene	0.19 U	0.19 U	0.19 U	
Chloroethane	0.33 U	0.33 U	0.33 U	
Chloroform	0.63 J	1.5	0.17 U	
Chloromethane (Methyl Chloride)	0.17 U	0.47	0.95	
Cis-1,2-Dichloroethylene	0.53 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	
Cyclohexane	1.2	7.2	0.15 U	
Dibromochloromethane	0.65 U	0.65 U	0.65 U	
Dichlorodifluoromethane	2.8	2.3	2.3	
Ethylbenzene	39	8.3	1.2	

**Table C-47 GC56 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC056		
	Location ID:	GC056-SV01	GC056-BA01	GC056-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	1/9/2024	1/9/2024	1/9/2024
Hexachlorobutadiene	0.78 U	1.1 U	0.78 U	
Isopropanol	8.4	0.11 U	120 J	
m,p-Xylene	83	26	3.2	
Methyl Ethyl Ketone (2-Butanone)	2.5	7.1 J	5.6 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.1 J	1.6	0.98 J	
Methylene Chloride	4.6	1.8	1.4	
Naphthalene	2.7	1.4	0.79	
N-Heptane	2.0	14	0.16 U	
N-Hexane	1.9	25	0.99	
O-Xylene (1,2-Dimethylbenzene)	86	9.1	1.0	
Styrene	20	1.7	0.47 J	
Tert-Butyl Methyl Ether	0.14 U	0.14 U	0.14 U	
Tetrachloroethylene (PCE)	7.7	2.2	0.21 U	
Tetrahydrofuran	0.14 U	0.14 U	0.14 U	
Toluene	69	44	11	
Trans-1,2-Dichloroethene	0.16 U	0.16 U	0.16 U	
Trans-1,3-Dichloropropene	0.17 U	0.17 U	0.17 U	
Trichloroethylene (TCE)	0.64 J	0.16 U	0.16 U	
Trichlorofluoromethane	1.3	1.1	1.2	
Vinyl Bromide	0.15 U	0.15 U	0.15 U	
Vinyl Chloride	0.11 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-48 GC057 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC057		
	Location ID:	GC057-BA01	GC057-FA01	GC057-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	1/22/2024	1/22/2024	1/22/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.41 U	0.41 U	0.41 U	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	0.39 U	0.58 J	0.39 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.23 U	0.23 U	0.23 U	
1,3-Butadiene	0.086 U	0.086 U	0.086 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	0.54 U	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.30 U	
2-Hexanone	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	0.24 U	0.24 U	0.24 U	
Acetone	4.5 J	13	5.7 J	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	
Benzene	0.66	0.61 J	0.65	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	0.40 U	0.72 J	0.40 U	
Carbon Tetrachloride	0.37	0.34	0.28	
Chlorobenzene	0.20 U	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	
Chloroform	3.5	2.6	0.20 U	
Chloromethane (Methyl Chloride)	0.86 J	0.98 J	0.89 J	
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	
Cyclohexane	0.20 U	0.20 U	0.20 U	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	2.4 J	2.0 J	2.0 J	
Ethylbenzene	0.30 U	0.30 U	0.30 U	

**Table C-48 GC057 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC057		
	Location ID:	GC057-BA01	GC057-FA01	GC057-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	1/22/2024	1/22/2024	1/22/2024
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	
Isopropanol	3.9 U	7.4 J	5.1 J	
m,p-Xylene	0.61 J	0.79 J	0.50 J	
Methyl Ethyl Ketone (2-Butanone)	1.4 U	1.4 U	1.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.53 U	0.53 U	0.53 U	
Methylene Chloride	10	0.63 U	5.8	
Naphthalene	1.6 U	1.6 U	1.6 U	
N-Heptane	0.34 J	0.29 J	0.31 J	
N-Hexane	0.61 J	0.46 J	0.58 J	
O-Xylene (1,2-Dimethylbenzene)	0.27 U	0.27 U	0.27 U	
Styrene	0.25 U	0.25 U	0.25 U	
Tert-Butyl Methyl Ether	0.13 U	0.13 U	0.13 U	
Tetrachloroethylene (PCE)	11	5.3	0.14 U	
Tetrahydrofuran	3.8 U	3.8 U	3.8 U	
Toluene	1.3	1.5	1.3	
Trans-1,2-Dichloroethene	0.091 U	0.091 U	0.091 U	
Trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	
Trichloroethylene (TCE)	0.35	0.13 U	0.13 U	
Trichlorofluoromethane	1.2	1.1 J	1.0 J	
Vinyl Bromide	0.22 U	0.22 U	0.22 U	
Vinyl Chloride	0.054 U	0.054 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-48 GC057 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC057		
	Location ID:	GC057-BA01	GC057-FA01	GC057-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	3/25/2024	3/25/2024	3/25/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U	0.58 U	
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U	0.71 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U	0.68 U	
1,1,2-Trichloroethane	0.51 U	0.51 U	0.51 U	
1,1-Dichloroethane	0.30 U	0.30 U	0.30 U	
1,1-Dichloroethene	0.16 U	0.16 U	0.16 U	
1,2,4-Trichlorobenzene	0.55 U	0.55 U	0.55 U	
1,2,4-Trimethylbenzene	0.59 J	0.79	0.34 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U	0.50 U	
1,2-Dichlorobenzene	0.69 U	0.69 U	0.69 U	
1,2-Dichloroethane	0.33 U	0.33 U	0.33 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U	0.67 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.35 U	0.35 U	0.35 U	
1,3-Butadiene	0.17 U	0.17 U	0.17 U	
1,3-Dichlorobenzene	0.50 U	0.50 U	0.50 U	
1,4-Dichlorobenzene	0.42 U	0.42 U	0.42 U	
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U	0.26 U	
2-Hexanone	0.22 U	0.22 U	0.22 U	
4-Ethyltoluene	0.39 U	0.39 U	0.39 U	
Acetone	8.2 J	25 J	7.2 J	
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U	0.24 U	
Benzene	0.89	0.77	0.67	
Benzyl Chloride	0.39 U	0.39 U	0.39 U	
Bromodichloromethane	0.60 U	0.60 U	0.60 U	
Bromoform	1.8 U	1.8 U	1.8 U	
Bromomethane	0.29 U	0.29 U	0.29 U	
Carbon Disulfide	0.28 U	0.59	0.28 U	
Carbon Tetrachloride	0.44 J	0.50 J	0.44 J	
Chlorobenzene	0.41 U	0.41 U	0.41 U	
Chloroethane	0.27 U	0.27 U	0.27 U	
Chloroform	4.9	4.3	0.45 U	
Chloromethane (Methyl Chloride)	0.78	0.17 U	0.78	
Cis-1,2-Dichloroethylene	0.099 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	
Cyclohexane	0.25 U	0.25 U	0.25 U	
Dibromochloromethane	0.90 U	0.90 U	0.90 U	
Dichlorodifluoromethane	2.0	2.0	2.0	
Ethylbenzene	0.25 U	0.25 U	0.25 U	

**Table C-48 GC057 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC057		
	Location ID:	GC057-BA01	GC057-FA01	GC057-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	3/25/2024	3/25/2024	3/25/2024
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	
Isopropanol	2.2	8.6 J	1.9	
m,p-Xylene	0.69 J	0.87 J	0.61 J	
Methyl Ethyl Ketone (2-Butanone)	1.2	1.7	0.56 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.27 U	0.27 U	0.27 U	
Methylene Chloride	0.80	1.0	0.76	
Naphthalene	0.40 U	0.40 U	0.40 U	
N-Heptane	0.61	1.1	0.33 U	
N-Hexane	0.39 J	0.20 U	0.20 U	
O-Xylene (1,2-Dimethylbenzene)	0.43 U	0.43 U	0.43 U	
Styrene	0.35 U	0.35 U	0.35 U	
Tert-Butyl Methyl Ether	0.31 U	0.31 U	0.31 U	
Tetrachloroethylene (PCE)	1.3	0.56 U	0.56 U	
Tetrahydrofuran	0.20 U	0.20 U	0.20 U	
Toluene	4.9	7.3	1.3	
Trans-1,2-Dichloroethene	0.27 U	0.27 U	0.27 U	
Trans-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	
Trichloroethylene (TCE)	0.16 U	0.16 U	0.16 U	
Trichlorofluoromethane	1.1	1.1	1.1	
Vinyl Bromide	0.36 U	0.36 U	0.36 U	
Vinyl Chloride	0.066 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-49 GC058 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC058				
	Location ID:	GC058-SV01	GC058-BA01	GC058-FA01	GC058-FA01	GC058-OA01
	Sample Type:	Normal	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	First Floor Air	Outdoor Air
	Date:	1/15/2024	1/15/2024	1/15/2024	1/15/2024	1/15/2024
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.710 U	0.417 U	0.470 U	0.527 U	0.385 U	
1,1,2,2-Tetrachloroethane	0.510 U	0.300 U	0.338 U	0.379 U	0.277 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.14 U	0.767	0.755 U	0.845 U	0.619 U	
1,1,2-Trichloroethane	0.363 U	0.214 U	0.241 U	0.270 U	0.197 U	
1,1-Dichloroethane	0.520 U	0.306 U	0.345 U	0.386 U	0.283 U	
1,1-Dichloroethene	0.153 U	0.0902 U	0.102 U	0.114 U	0.0834 U	
1,2,4-Trichlorobenzene	0.908 U	0.534 U	0.602 U	0.674 U	0.493 U	
1,2,4-Trimethylbenzene	0.457 U	1.30	0.403 J	0.395 J	0.331 J	
1,2-Dibromoethane (Ethylene Dibromide)	0.476 U	0.280 U	0.315 U	0.353 U	0.258 U	
1,2-Dichlorobenzene	0.605 U	0.356 U	0.401 U	0.449 U	0.329 U	
1,2-Dichloroethane	0.388 U	0.228 U	0.257 U	0.288 U	0.211 U	
1,2-Dichloropropane	0.365 U	0.214 U	0.242 U	0.271 U	0.198 U	
1,2-Dichlorotetrafluoroethane	1.06 U	0.623 U	0.703 U	0.787 U	0.576 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.411 U	0.313 J	0.272 U	0.305 U	0.223 U	
1,3-Butadiene	0.130 U	0.0765 U	0.0863 U	0.0966 U	0.0707 U	
1,3-Dichlorobenzene	0.624 U	0.367 U	0.413 U	0.463 U	0.339 U	
1,4-Dichlorobenzene	0.558 U	0.438 J	0.370 U	0.414 U	0.303 U	
1,4-Dioxane (P-Dioxane)	0.463 U	0.272 U	0.307 U	0.344 U	0.252 U	
2-Hexanone	0.260 U	0.153 U	0.172 U	0.193 U	0.141 U	
4-Ethyltoluene	0.578 U	0.761	0.383 U	0.429 U	0.314 U	
Acetone	9.45 J-	14.1	8.04	5.65	6.59	
Allyl Chloride (3-Chloropropene)	0.368 U	0.216 U	0.244 U	0.273 U	0.200 U	
Benzene	0.490 U	1.31	0.819	0.808	1.02	
Benzyl Chloride	0.433 U	0.254 U	0.287 U	0.321 U	0.235 U	
Bromodichloromethane	0.353 U	0.207 U	0.234 U	0.262 U	0.192 U	
Bromoform	0.784 U	0.461 U	0.520 U	0.582 U	0.426 U	
Bromomethane	0.589 U	0.346 U	0.390 U	0.437 U	0.320 U	
Carbon Disulfide	2.17 J-	0.266 U	0.300 U	0.336 U	0.246 U	
Carbon Tetrachloride	0.390 J-	0.572	0.387	0.361	0.317	
Chlorobenzene	0.399 U	0.235 U	0.265 U	0.296 U	0.217 U	
Chloroethane	0.261 U	0.154 U	0.173 U	0.194 U	0.142 U	
Chloroform	0.695 U	0.409 U	0.461 U	0.516 U	0.378 U	
Chloromethane (Methyl Chloride)	0.288 J-	2.09	1.78	1.47	2.24	
Cis-1,2-Dichloroethylene	0.153 U	0.0902 U	0.102 U	0.114 U	0.0834 U	
Cis-1,3-Dichloropropene	0.288 U	0.169 U	0.191 U	0.214 U	0.156 U	
Cyclohexane	0.458 U	0.345	0.304 U	0.340 U	0.249 U	
Dibromochloromethane	0.646 U	0.380 U	0.428 U	0.480 U	0.351 U	
Dichlorodifluoromethane	2.60 J-	3.56	2.49	2.44	2.33	
Ethylbenzene	0.464 U	2.65	0.307 U	0.344 U	0.256 J	
Hexachlorobutadiene	1.40 U	0.825 U	0.930 U	1.04 U	0.762 U	
Isopropanol	3.23 J-	10.2	2.55	2.32	2.50	
m,p-Xylene	0.961 U	10.4	0.668 J	0.713 U	0.657 J	
Methyl Ethyl Ketone (2-Butanone)	0.639 J-	1.61	0.787	0.644	0.546	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.539 U	1.30	0.357 U	0.400 U	0.293 U	
Methylene Chloride	0.484 J-	23.1	0.428 J	0.439 J	0.467 J	
Naphthalene	0.787 U	1.48	0.522 U	0.584 U	0.428 U	
N-Heptane	0.273 U	0.932	0.421	0.471	0.310 J	
N-Hexane	0.437 U	1.32	0.470	0.486	0.415	

**Table C-49 GC058 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC058				
	Location ID:	GC058-SV01	GC058-BA01	GC058-FA01	GC058-FA01	GC058-OA01
	Sample Type:	Normal	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	First Floor Air	Outdoor Air
	Date:	1/15/2024	1/15/2024	1/15/2024	1/15/2024	1/15/2024
O-Xylene (1,2-Dimethylbenzene)	0.202 J-	3.08	0.267 J	0.249 J	0.256 J	
Styrene	0.659 J-	1.01	0.258 U	0.289 U	0.211 U	
Tert-Butyl Methyl Ether	0.541 U	0.318 U	0.359 U	0.402 U	0.294 U	
Tetrachloroethylene (PCE)	4.51 J-	0.679	0.974	1.17	1.20	
Tetrahydrofuran	0.242 U	0.142 U	0.160 U	0.180 U	0.131 U	
Toluene	1.05 J-	7.68	1.04	1.04	1.20	
Trans-1,2-Dichloroethene	0.485 U	0.285 U	0.321 U	0.360 U	0.263 U	
Trans-1,3-Dichloropropene	0.646 U	0.380 U	0.428 U	0.480 U	0.351 U	
Trichloroethylene (TCE)	0.208 U	0.122 U	0.138 U	0.154 U	0.113 U	
Trichlorofluoromethane	1.39 J-	1.79	1.10	1.10	1.13	
Vinyl Bromide	0.650 U	0.382 U	0.431 U	0.482 U	0.353 U	
Vinyl Chloride	0.174 U	0.102 UJ	0.115 UJ	0.129 UJ	0.0946 UJ	

Key:

Qualifiers

J = Estimated value

J- = Estimated value with low bias

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-50 GC059 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC059		
	Location ID:	GC059-SV01	GC059-BA01	GC059-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	1/17/2024	1/17/2024	1/17/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.82 U	0.20 U	0.20 U	
1,1,2,2-Tetrachloroethane	1.3 U	0.33 U	0.33 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.92 U	0.24 U	0.24 U	
1,1,2-Trichloroethane	0.82 U	0.21 U	0.21 U	
1,1-Dichloroethane	0.93 U	0.23 U	0.23 U	
1,1-Dichloroethene	0.95 U	0.23 U	0.23 U	
1,2,4-Trichlorobenzene	3.6 U	0.89 U	0.89 U	
1,2,4-Trimethylbenzene	1.7 U	0.43 U	0.43 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.92 U	0.23 U	0.23 U	
1,2-Dichlorobenzene	1.7 U	0.41 U	0.41 U	
1,2-Dichloroethane	1.1 U	0.28 U	0.28 U	
1,2-Dichloropropane	1.2 U	0.29 U	0.29 U	
1,2-Dichlorotetrafluoroethane	1.4 U	0.35 U	0.35 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.6 U	0.39 U	0.39 U	
1,3-Butadiene	0.75 U	0.19 U	0.19 U	
1,3-Dichlorobenzene	0.96 U	0.24 U	0.24 U	
1,4-Dichlorobenzene	2.7	0.47 U	0.47 U	
1,4-Dioxane (P-Dioxane)	1.7 U	0.43 U	0.43 U	
2-Hexanone	2.4 U	0.61 U	0.61 U	
4-Ethyltoluene	1.9 U	0.47 U	0.47 U	
Acetone	37.8	8.6	4.0	
Allyl Chloride (3-Chloropropene)	1.0 U	0.26 U	0.26 U	
Benzene	0.31 U	0.61 J	0.58 J	
Benzyl Chloride	2.6 U	0.67 U	0.67 U	
Bromodichloromethane	0.80 U	0.20 U	0.20 U	
Bromoform	2.9 U	0.73 U	0.73 U	
Bromomethane	1.1 U	0.27 U	0.27 U	
Carbon Disulfide	3.1	0.14 U	0.14 U	
Carbon Tetrachloride	1.0 U	0.25 U	0.25 U	
Chlorobenzene	1.4 U	0.34 U	0.34 U	
Chloroethane	0.71 U	0.18 U	0.18 U	
Chloroform	0.73 U	0.18 U	0.18 U	
Chloromethane (Methyl Chloride)	0.74 U	0.99	1.1	
Cis-1,2-Dichloroethylene	0.48 U	0.12 U	0.12 U	
Cis-1,3-Dichloropropene	1.1 U	0.28 U	0.28 U	
Cyclohexane	0.62 U	0.15 U	0.15 U	
Dibromochloromethane	1.8 U	0.44 U	0.44 U	
Dichlorodifluoromethane	2.1 U	1.2	1.3	
Ethylbenzene	1.0 U	0.26 U	0.26 U	

**Table C-50 GC059 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC059		
	Location ID:	GC059-SV01	GC059-BA01	GC059-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	1/17/2024	1/17/2024	1/17/2024
Hexachlorobutadiene	2.7 UJ	0.66 UJ	0.66 UJ	
Isopropanol	2.5	3.9	0.66	
M,P-Xylene (Sum Of Isomers)	2.4 U	0.61 U	0.61 U	
Methyl Ethyl Ketone (2-Butanone)	5.0	0.65	0.41 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.2 U	0.30 U	0.30 U	
Methylene Chloride	2.4 J	2.3	0.19 U	
Naphthalene	2.7 U	0.68 U	0.68 U	
N-Heptane	0.74 U	0.49 J	0.18 U	
N-Hexane	0.74 U	0.53 J	0.46 J	
O-Xylene (1,2-Dimethylbenzene)	1.3 U	0.33 U	0.33 U	
Styrene	0.89 U	0.23 U	0.23 U	
Tert-Butyl Methyl Ether	1.2 U	0.29 U	0.29 U	
Tetrachloroethylene (PCE)	6.1	0.81	1.0	
Tetrahydrofuran	1.1 U	0.27 U	0.27 U	
Toluene	6.8	0.98	0.72 J	
Trans-1,2-Dichloroethene	0.44 U	0.11 U	0.11 U	
Trans-1,3-Dichloropropene	1.8 U	0.45 U	0.45 U	
Trichloroethylene (TCE)	0.41 U	0.10 U	0.10 U	
Trichlorofluoromethane	3.5 U	1.1	1.2	
Vinyl Bromide	1.0 U	0.27 U	0.27 U	
Vinyl Chloride	0.72 U	0.18 U	0.18 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-51 GC060 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC060			
	Location ID:	GC060-SV01	GC060-BA01	GC060-FA01	GC060-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	2/7/2024	2/7/2024	2/7/2024	2/7/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.82 U	0.20 U	0.20 U	0.20 U	
1,1,2,2-Tetrachloroethane	1.3 U	0.33 U	0.33 U	0.33 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.92 U	0.24 U	0.24 U	0.24 U	
1,1,2-Trichloroethane	0.82 U	0.21 U	0.21 U	0.21 U	
1,1-Dichloroethane	0.93 U	0.23 U	0.23 U	0.23 U	
1,1-Dichloroethene	0.95 U	0.23 U	0.23 U	0.23 U	
1,2,4-Trichlorobenzene	3.6 U	0.89 U	0.97	0.89 U	
1,2,4-Trimethylbenzene	1.7 U	0.43 U	0.43 U	0.64 J	
1,2-Dibromoethane (Ethylene Dibromide)	0.92 U	0.23 U	0.23 U	0.23 U	
1,2-Dichlorobenzene	1.7 U	0.41 U	0.41 U	0.41 U	
1,2-Dichloroethane	1.1 U	0.28 U	0.28 U	0.28 U	
1,2-Dichloropropane	1.2 U	0.29 U	0.29 U	0.29 U	
1,2-Dichlorotetrafluoroethane	1.4 U	0.35 U	0.35 U	0.35 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.6 U	0.39 U	0.39 U	0.39 U	
1,3-Butadiene	0.75 U	0.19 U	0.19 U	0.19 U	
1,3-Dichlorobenzene	0.96 U	0.24 U	0.24 U	0.24 U	
1,4-Dichlorobenzene	1.9 U	0.47 U	0.47 U	0.47 U	
1,4-Dioxane (P-Dioxane)	1.7 U	0.43 U	0.43 U	0.43 U	
2-Hexanone	2.4 U	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	1.9 U	0.47 U	0.47 U	0.47 U	
Acetone	49.2	14	14	12	
Allyl Chloride (3-Chloropropene)	1.0 U	0.26 U	0.26 U	0.26 U	
Benzene	0.31 U	1.0	0.80	1.2	
Benzyl Chloride	2.6 UJ	0.67 UJ	0.67 UJ	0.67 UJ	
Bromodichloromethane	0.80 U	0.20 U	0.20 U	0.20 U	
Bromoform	2.9 U	0.73 U	0.73 U	0.73 U	
Bromomethane	1.1 U	0.27 U	0.27 U	0.27 U	
Carbon Disulfide	5.3	0.14 U	0.14 U	0.14 U	
Carbon Tetrachloride	1.0 U	0.25 U	0.25 U	0.25 U	
Chlorobenzene	1.4 U	0.34 U	0.34 U	0.34 U	
Chloroethane	0.71 U	0.18 U	0.18 U	0.18 U	
Chloroform	0.73 U	0.18 U	0.18 U	0.18 U	
Chloromethane (Methyl Chloride)	0.74 U	0.93	0.68	0.99	
Cis-1,2-Dichloroethylene	0.48 U	0.12 U	0.12 U	0.12 U	
Cis-1,3-Dichloropropene	1.1 U	0.28 U	0.28 U	0.28 U	
Cyclohexane	0.62 U	0.38 J	0.15 U	0.52 J	
Dibromochloromethane	1.8 U	0.44 U	0.44 U	0.44 U	
Dichlorodifluoromethane	2.2 J	1.1	0.79 J	1.2	
Ethylbenzene	1.0 U	0.26 U	0.26 U	0.52 J	
Hexachlorobutadiene	2.7 U	0.66 U	0.66 U	0.66 U	
Isopropanol	3.2	2.9	3.4	3.2	

**Table C-51 GC060 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC060			
	Location ID:	GC060-SV01	GC060-BA01	GC060-FA01	GC060-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	2/7/2024	2/7/2024	2/7/2024	2/7/2024
M,P-Xylene (Sum Of Isomers)	2.6 J	0.91	0.96	1.7	
Methyl Ethyl Ketone (2-Butanone)	4.7	1.3	1.1	1.3	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.2 U	0.30 U	0.30 U	0.30 U	
Methylene Chloride	5.9	0.76	0.59 J	0.80	
Naphthalene	2.7 U	0.68 U	0.84 J	0.68 U	
N-Heptane	0.74 U	0.70 J	0.57 J	0.90	
N-Hexane	0.74 U	0.92	0.74	1.2	
O-Xylene (1,2-Dimethylbenzene)	1.3 U	0.42 J	0.33 U	0.65 J	
Styrene	0.89 U	0.23 U	0.23 U	0.23 U	
Tert-Butyl Methyl Ether	1.2 U	0.29 U	0.29 U	0.29 U	
Tetrachloroethylene (PCE)	5.2	0.81	0.75	0.95	
Tetrahydrofuran	1.1 U	0.27 U	0.27 U	0.27 U	
Toluene	3.1	2.2	1.8	3.4	
Trans-1,2-Dichloroethene	0.44 U	0.11 U	0.11 U	0.11 U	
Trans-1,3-Dichloropropene	1.8 U	0.45 U	0.45 U	0.45 U	
Trichloroethylene (TCE)	0.41 U	0.10 U	0.10 U	0.10 U	
Trichlorofluoromethane	3.5 U	1.3	0.90	1.3	
Vinyl Bromide	1.0 U	0.27 U	0.27 U	0.27 U	
Vinyl Chloride	0.72 U	0.18 U	0.18 U	0.18 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-52 GC061 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

	Location ID: Sample Type: Sample Matrix: Date:	GC061-SV01 Normal Sub-slab Vapor 1/15/2024	GC061-FA01 Normal First Floor Air 1/15/2024
Analyte			
VOCs by Method TO15 (µg/m3)			
1,1,1-Trichloroethane (TCA)		0.82 U	0.2 U
1,1,2,2-Tetrachloroethane		1.3 U	0.33 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		0.92 U	0.24 U
1,1,2-Trichloroethane		0.82 U	0.21 U
1,1-Dichloroethane		0.93 U	0.23 U
1,1-Dichloroethene		0.95 U	0.23 U
1,2,4-Trichlorobenzene		3.6 U	0.89 U
1,2,4-Trimethylbenzene		1.7 U	3.8
1,2-Dibromoethane (Ethylene Dibromide)		0.92 U	0.23 U
1,2-Dichlorobenzene		1.7 U	0.41 U
1,2-Dichloroethane		1.1 U	0.28 U
1,2-Dichloropropane		1.2 U	0.29 U
1,2-Dichlorotetrafluoroethane		1.4 U	0.35 U
1,3,5-Trimethylbenzene (Mesitylene)		1.6 U	1.4
1,3-Butadiene		0.75 U	0.19 U
1,3-Dichlorobenzene		0.96 U	0.24 U
1,4-Dichlorobenzene		1.9 U	0.47 U
1,4-Dioxane (P-Dioxane)		1.7 U	0.43 U
2-Hexanone		2.4 U	0.61 U
4-Ethyltoluene		1.9 U	1.1
Acetone		81.5	323
Allyl Chloride (3-Chloropropene)		1 U	0.26 U
Benzene		0.31 U	0.73
Benzyl Chloride		2.6 U	0.67 U
Bromodichloromethane		0.8 U	0.2 U
Bromoform		2.9 U	0.73 U
Bromomethane		1.1 U	0.27 U
Carbon Disulfide		3.7	0.14 U
Carbon Tetrachloride		1 U	0.25 U
Chlorobenzene		1.4 U	0.34 U
Chloroethane		0.71 U	0.18 U
Chloroform		0.73 U	0.18 U
Chloromethane (Methyl Chloride)		0.74 U	0.95
Cis-1,2-Dichloroethylene		0.48 U	0.12 U
Cis-1,3-Dichloropropene		1.1 U	0.28 U
Cyclohexane		0.62 U	67.5
Dibromochloromethane		1.8 U	0.44 U
Dichlorodifluoromethane		2.1 U	0.94 J
Ethylbenzene		1 U	1.7
Hexachlorobutadiene		2.7 U	0.66 U
Isopropanol		52.8	80.1
M,P-Xylene (Sum Of Isomers)		2.4 U	9.6
Methyl Ethyl Ketone (2-Butanone)		3.5	1.6
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		1.2 U	0.3 U
Methylene Chloride		2.2 J	5.2
Naphthalene		2.7 U	0.68 U
N-Heptane		0.74 U	1.5
N-Hexane		0.74 U	0.7
O-Xylene (1,2-Dimethylbenzene)		1.3 U	5.6

**Table C-52 GC061 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

	Location ID:	GC061-SV01	GC061-FA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air
	Date:	1/15/2024	1/15/2024
Analyte			
Styrene		0.89 U	0.43 J
Tert-Butyl Methyl Ether		1.2 U	0.29 U
Tetrachloroethylene (PCE)		2.4	0.95
Tetrahydrofuran		2.8	0.27 U
Toluene		6.4	3
Trans-1,2-Dichloroethene		0.44 U	0.11 U
Trans-1,3-Dichloropropene		1.8 U	0.45 U
Trichloroethylene (TCE)		0.41 U	1.8
Trichlorofluoromethane		3.5 U	1.1
Vinyl Bromide		1 U	0.27 U
Vinyl Chloride		0.72 U	0.18 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m3 = Micrograms per cubic meter

Bold numbers indicate that the chemical was detected.

**Table C-53 GC062 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC062				
	Location ID:	GC062-SV01	GC062-BA01	GC062-FA01	GC062-FA01	GC062-OA01
	Sample Type:	Normal	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	First Floor Air	Outdoor Air
	Date:	1/18/2024	1/18/2024	1/18/2024	1/18/2024	1/18/2024
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.47 J	0.47 J	0.41 J	0.41 J	0.43 J	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	0.89 J	0.80 J	0.78 J	1.2	0.39 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	
1,3-Butadiene	0.41 J	0.63	0.086 U	0.25 J	0.13 J	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	0.77 J	0.54 U	0.54 U	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	
2-Hexanone	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	
Acetone	82	100	81	79	9.4 J	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	
Benzene	0.90	1.1	0.88	0.92	0.81	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	0.43 J	0.40 U	0.40 U	0.40 U	0.40 U	
Carbon Tetrachloride	0.33	0.41	0.44	0.38	0.40	
Chlorobenzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	
Chloroform	0.77 J	0.81 J	1.2	1.2	0.20 U	
Chloromethane (Methyl Chloride)	0.80 J	0.64 J	1.0 J	0.99 J	0.80 J	
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	
Cyclohexane	0.21 J	0.20 J	0.25 J	0.51 J	0.20 J	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	2.0 J	2.1 J	2.1 J	2.0 J	2.0 J	
Ethylbenzene	1.1	1.2	0.58 J	0.76 J	0.43 J	
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Isopropanol	15	22	15	16	37	
m,p-Xylene	4.1	4.6	1.5 J	1.9 J	0.77 J	
Methyl Ethyl Ketone (2-Butanone)	6.5	10	2.2	2.5	1.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	
Methylene Chloride	2.8	0.86 J	0.87 J	0.93 J	0.63 U	
Naphthalene	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	
N-Heptane	0.44 J	0.57 J	0.63 J	0.84	0.46 J	
N-Hexane	0.61 J	0.69 J	0.64 J	0.88 J	0.61 J	
O-Xylene (1,2-Dimethylbenzene)	1.1	1.3	0.60 J	0.82 J	0.30 J	

**Table C-53 GC062 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC062				
	Location ID:	GC062-SV01	GC062-BA01	GC062-FA01	GC062-FA01	GC062-OA01
	Sample Type:	Normal	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	First Floor Air	Outdoor Air
	Date:	1/18/2024	1/18/2024	1/18/2024	1/18/2024	1/18/2024
Styrene	0.25 U	0.25 U	0.40 J	0.62 J	0.25 U	
Tert-Butyl Methyl Ether	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	
Tetrachloroethylene (PCE)	0.71 J	0.55 J	0.63 J	0.57 J	0.40 J	
Tetrahydrofuran	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	
Toluene	5.6	8.5	2.5	6.4	3.0	
Trans-1,2-Dichloroethene	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	
Trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	
Trichloroethylene (TCE)	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	
Trichlorofluoromethane	1.7	1.3	1.2	1.2	1.1	
Vinyl Bromide	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	
Vinyl Chloride	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-54 GC063 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC063			
	Location ID:	GC063-SV01	GC063-BA01	GC063-BA01	GC063-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	Outdoor Air
	Date:	1/10/2024	1/10/2024	1/10/2024	1/10/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.31 U	0.093 U	0.093 U	0.093 U	
1,1,2,2-Tetrachloroethane	0.54 U	0.54 U	0.54 U	0.54 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.13 U	0.13 U	0.13 U	0.13 U	
1,1,2-Trichloroethane	0.13 U	0.13 U	0.13 U	0.13 U	
1,1-Dichloroethane	0.19 U	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.17 U	0.17 U	0.17 U	0.17 U	
1,2,4-Trichlorobenzene	0.42 UJ	0.42 UJ	0.42 UJ	0.42 UJ	
1,2,4-Trimethylbenzene	2.3	0.38 U	0.38 U	0.38 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.59 U	0.59 U	0.59 U	0.59 U	
1,2-Dichlorobenzene	0.58 U	0.58 U	0.58 U	0.58 U	
1,2-Dichloroethane	0.49 J	0.24 U	0.24 U	0.24 U	
1,2-Dichloropropane	0.25 U	0.25 U	0.25 U	0.25 U	
1,2-Dichlorotetrafluoroethane	0.17 U	0.17 U	0.17 U	0.17 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.98	0.40 U	0.40 U	0.40 U	
1,3-Butadiene	0.24 U	0.24 U	0.24 U	0.24 U	
1,3-Dichlorobenzene	0.46 U	0.46 U	0.46 U	0.46 U	
1,4-Dichlorobenzene	1.7	0.64 U	0.64 U	0.64 U	
1,4-Dioxane (P-Dioxane)	0.061 U	0.061 U	0.061 U	0.061 U	
2-Hexanone	1.1 J	0.13 U	0.13 U	0.13 U	
4-Ethyltoluene	0.54 J	0.38 U	0.38 U	0.38 U	
Acetone	120 J	33 J	32 J	7.1 J	
Allyl Chloride (3-Chloropropene)	0.23 U	0.23 U	0.23 U	0.23 U	
Benzene	2.4	0.61	0.61	0.51	
Benzyl Chloride	0.56 UJ	0.56 UJ	0.56 UJ	0.56 UJ	
Bromodichloromethane	0.42 U	0.42 U	0.42 U	0.42 U	
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.21 U	0.21 U	0.21 U	0.21 U	
Carbon Disulfide	11	0.14 UJ	2.9 J	0.14 U	
Carbon Tetrachloride	0.48 U	0.88	0.94	0.44	
Chlorobenzene	0.19 U	0.19 U	0.19 U	0.19 U	
Chloroethane	0.33 U	0.33 U	0.33 U	0.33 U	
Chloroform	13	0.68 J	0.68 J	0.17 U	
Chloromethane (Methyl Chloride)	0.17 U	0.85	0.83	0.83	
Cis-1,2-Dichloroethylene	0.53 U	0.099 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	
Cyclohexane	1.4	0.15 U	0.15 U	0.15 U	
Dibromochloromethane	0.65 U	0.65 U	0.65 U	0.65 U	
Dichlorodifluoromethane	2.5	2.3	2.3	2.3	
Ethylbenzene	1.8	0.15 U	0.15 U	0.15 U	
Hexachlorobutadiene	0.78 U	0.78 U	0.78 U	0.78 U	
Isopropanol	39	4.3	4.2	1.5	
m,p-Xylene	5.3	1.2 J	1.0 J	0.21 U	
Methyl Ethyl Ketone (2-Butanone)	4.5	0.94	0.91	0.38 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.6	0.22 U	0.22 U	0.22 U	
Methylene Chloride	3.9	0.73	0.97	0.69	

**Table C-54 GC063 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC063			
	Location ID:	GC063-SV01	GC063-BA01	GC063-BA01	GC063-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	Outdoor Air
	Date:	1/10/2024	1/10/2024	1/10/2024	1/10/2024
Naphthalene	0.68 J	0.52 J	0.26 UJ	0.26 UJ	
N-Heptane	2.0	0.16 U	0.16 U	0.16 U	
N-Hexane	2.9	0.46 J	0.56	0.42 J	
O-Xylene (1,2-Dimethylbenzene)	1.7	0.41 U	0.41 U	0.41 U	
Styrene	0.89	0.30 U	0.30 U	0.30 U	
Tert-Butyl Methyl Ether	0.14 U	0.14 U	0.14 U	0.14 U	
Tetrachloroethylene (PCE)	1.6	1.1	1.1	0.88 J	
Tetrahydrofuran	0.14 U	0.38 J	0.14 U	0.14 U	
Toluene	13	2.4	1.3	0.72	
Trans-1,2-Dichloroethene	0.16 U	0.16 U	0.16 U	0.16 U	
Trans-1,3-Dichloropropene	0.17 U	0.17 U	0.17 U	0.17 U	
Trichloroethylene (TCE)	0.27 U	0.16 U	0.16	0.16 U	
Trichlorofluoromethane	0.22 U	1.2	1.1	1.1	
Vinyl Bromide	0.15 U	0.15 U	0.15 U	0.15 U	
Vinyl Chloride	0.11 U	0.066 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-55 GC064 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC064					
	GC064-SV01	GC064-BA01	GC064-SV02	GC064-BA04	GC064-BA03	GC064-OA01
	Normal	Normal	Normal	Normal	Normal	Normal
	Sub-slab Vapor 1/17/2024	Basement Air 1/17/2024	Sub-slab Vapor 1/17/2024	Basement Air 1/17/2024	Basement Air 1/17/2024	Outdoor Air 1/17/2024
Analyte						
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.44 J	0.44 J	0.48 J	0.41 U	0.42 J	0.41 U
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	1.3
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
1,2,4-Trimethylbenzene	5.1	0.39 U	1.7	0.39 U	0.39 U	0.39 U
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	1.6
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3,5-Trimethylbenzene (Mesitylene)	1.4	0.23 U	0.37 J	0.23 U	0.23 U	0.23 U
1,3-Butadiene	0.13 J	0.13 J	0.14 J	0.086 U	0.086 U	0.086 U
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,4-Dichlorobenzene	0.82 J	0.54 U	0.71 J	0.54 U	0.54 U	0.54 U
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
2-Hexanone	0.61 U	0.61 U	0.64 J	0.61 U	0.61 U	0.61 U
4-Ethyltoluene	1.3	0.24 U	0.24 J	0.24 U	0.24 U	0.24 U
Acetone	63	8.8 J	35	7.0 J	9.9 J	3.7 J
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
Benzene	0.64	0.58 J	0.78	0.62 J	0.45 J	1.1
Benzyl Chloride	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Bromodichloromethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromomethane	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Carbon Disulfide	3.3	0.40 U	50	3.5	0.40 U	0.40 U
Carbon Tetrachloride	0.39	0.40	0.29	0.33	0.37	0.27
Chlorobenzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroethane	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Chloroform	0.28 J	0.23 J	0.29 J	0.20 U	0.20 U	0.20 U
Chloromethane (Methyl Chloride)	0.74 J	0.89 J	2.5	1.2	0.74 J	1.2
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.87
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Cyclohexane	4.4	0.20 U	0.43 J	0.22 J	0.20 U	1.4
Dibromochloromethane	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Dichlorodifluoromethane	2.0 J	2.0 J	2.3 J	2.1 J	2.5	2.0 J
Ethylbenzene	3.3	0.30 U	0.76 J	0.30 U	0.30 U	0.32 J

**Table C-55 GC064 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC064					
	Location ID:	GC064-SV01	GC064-BA01	GC064-SV02	GC064-BA04	GC064-BA03	GC064-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal
	Sample Matrix: Date:	Sub-slab Vapor 1/17/2024	Basement Air 1/17/2024	Sub-slab Vapor 1/17/2024	Basement Air 1/17/2024	Basement Air 1/17/2024	Outdoor Air 1/17/2024
Hexachlorobutadiene		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Isopropanol		9.2 J	3.9 U	11 J	3.9 U	3.9 J	3.9 U
m,p-Xylene		10	0.41 U	2.5	0.41 U	0.42 J	0.41 U
Methyl Ethyl Ketone (2-Butanone)		3.0	1.4 U	3.3	2.6	1.4 U	1.4 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		0.53 U	0.53 U	0.84 J	0.53 U	0.53 U	0.53 U
Methylene Chloride		2.9	0.83 J	3.6	5.0	1.4 J	2.5
Naphthalene		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
N-Heptane		1.4	0.31 J	1.2	0.35 J	0.28 J	0.29 J
N-Hexane		4.4	0.51 J	0.98 J	0.48 J	0.47 J	0.47 J
O-Xylene (1,2-Dimethylbenzene)		4.9	0.27 U	1.1	0.27 U	0.27 U	0.27 U
Styrene		0.25 U	0.25 U	0.46 J	0.25 U	0.25 U	0.25 U
Tert-Butyl Methyl Ether		0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Tetrachloroethylene (PCE)		2.1	0.35 J	2.1	0.26 J	0.20 J	0.79 J
Tetrahydrofuran		3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Toluene		260	1.2	12	0.83	1.0	1.1
Trans-1,2-Dichloroethene		0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	1.0
Trans-1,3-Dichloropropene		0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Trichloroethylene (TCE)		0.19 J	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Trichlorofluoromethane		1.8	1.5	1.2	1.0 J	1.7	1.0 J
Vinyl Bromide		0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Vinyl Chloride		0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-56 GC065 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC065		
	Location ID:	GC065-BA01	GC065-BA02	GC065-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Basement Air	Outdoor Air
	Date:	3/25/2024	3/25/2024	3/25/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U	0.58 U	
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U	0.71 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U	0.68 U	
1,1,2-Trichloroethane	0.51 U	0.51 U	0.51 U	
1,1-Dichloroethane	0.30 U	0.30 U	0.30 U	
1,1-Dichloroethene	0.16 U	0.16 U	0.16 U	
1,2,4-Trichlorobenzene	0.55 U	0.55 U	0.55 U	
1,2,4-Trimethylbenzene	0.34 U	0.34 U	0.34 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U	0.50 U	
1,2-Dichlorobenzene	0.69 U	0.69 U	0.69 U	
1,2-Dichloroethane	0.33 U	0.33 U	0.33 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U	0.67 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.35 U	0.35 U	0.35 U	
1,3-Butadiene	0.17 U	0.17 U	0.17 U	
1,3-Dichlorobenzene	0.50 U	0.50 U	0.50 U	
1,4-Dichlorobenzene	0.42 U	0.42 U	0.42 U	
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U	0.26 U	
2-Hexanone	0.22 U	0.22 U	0.22 U	
4-Ethyltoluene	0.39 U	0.39 U	0.39 U	
Acetone	12 J	9.7 J	11 J	
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U	0.24 U	
Benzene	0.61	0.58	0.61	
Benzyl Chloride	0.39 U	0.39 U	0.39 U	
Bromodichloromethane	0.60 U	0.60 U	0.60 U	
Bromoform	1.8 U	1.8 U	1.8 U	
Bromomethane	0.29 U	0.29 U	0.29 U	
Carbon Disulfide	0.28 U	0.28 U	0.28 U	
Carbon Tetrachloride	0.50 J	0.50 J	0.44 J	
Chlorobenzene	0.41 U	0.41 U	0.41 U	
Chloroethane	0.27 U	0.27 U	0.27 U	
Chloroform	0.45 U	0.45 U	0.45 U	
Chloromethane (Methyl Chloride)	0.17 U	0.17 U	0.89	
Cis-1,2-Dichloroethylene	0.099 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	
Cyclohexane	0.25 U	0.25 U	0.25 U	
Dibromochloromethane	0.90 UJ	0.90 UJ	0.90 UJ	
Dichlorodifluoromethane	2.3	2.4	2.4	
Ethylbenzene	0.25 U	0.25 U	0.25 U	

**Table C-56 GC065 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC065		
	Location ID:	GC065-BA01	GC065-BA02	GC065-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Basement Air	Outdoor Air
	Date:	3/25/2024	3/25/2024	3/25/2024
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	
Isopropanol	1.9	3.0	1.9	
m,p-Xylene	0.65 J	0.61 J	0.57 U	
Methyl Ethyl Ketone (2-Butanone)	1.4	0.88	0.59 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.27 U	0.27 U	0.27 U	
Methylene Chloride	0.97	1.1	0.87	
Naphthalene	0.40 U	0.40 U	0.40 U	
N-Heptane	0.61	0.49 J	0.33 U	
N-Hexane	0.49 J	0.39 J	0.39 J	
O-Xylene (1,2-Dimethylbenzene)	0.43 U	0.43 U	0.43 U	
Styrene	0.35 U	0.35 U	0.35 U	
Tert-Butyl Methyl Ether	0.31 U	0.31 U	0.31 U	
Tetrachloroethylene (PCE)	0.75 J	0.56 U	0.56 U	
Tetrahydrofuran	0.20 U	0.20 U	0.20 U	
Toluene	2.1	1.4	1.3	
Trans-1,2-Dichloroethene	0.27 U	0.27 U	0.27 U	
Trans-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	
Trichloroethylene (TCE)	0.16 U	0.16 U	0.16 U	
Trichlorofluoromethane	1.2	1.3	1.2	
Vinyl Bromide	0.36 U	0.36 U	0.36 U	
Vinyl Chloride	0.066 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-57 GC066 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC066			
	Location ID:	GC066-SV01	GC066-BA01	GC066-BA02	GC066-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	Outdoor Air
	Date:	1/11/2024	1/11/2024	1/11/2024	1/10/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.31 U	0.093 U	0.093 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.54 U	0.54 U	0.54 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.13 U	0.13 U	0.13 U	0.46 J	
1,1,2-Trichloroethane	0.13 U	0.13 U	0.13 U	0.40 U	
1,1-Dichloroethane	0.19 U	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.17 U	0.17 U	0.17 U	0.10 U	
1,2,4-Trichlorobenzene	0.42 UJ	0.42 UJ	0.42 UJ	2.4 U	
1,2,4-Trimethylbenzene	1.9	0.88	0.74	0.39 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.59 U	0.59 U	0.59 U	0.32 U	
1,2-Dichlorobenzene	0.58 U	0.58 U	0.58 U	0.40 U	
1,2-Dichloroethane	0.24 U	0.24 U	0.24 U	0.38 U	
1,2-Dichloropropane	0.25 U	0.25 U	0.25 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.17 U	0.17 U	0.17 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.59 J	0.40 U	0.40 U	0.23 U	
1,3-Butadiene	0.24 U	0.24 U	0.24 U	0.086 U	
1,3-Dichlorobenzene	0.46 U	0.46 U	0.46 U	0.44 U	
1,4-Dichlorobenzene	1.1	0.64 U	0.64 U	0.54 U	
1,4-Dioxane (P-Dioxane)	0.061 U	0.061 U	0.061 U	0.30 U	
2-Hexanone	0.66 J	0.13 U	0.13 U	0.61 U	
4-Ethyltoluene	0.38 U	0.38 U	0.38 U	0.24 U	
Acetone	20	19	13 J	6.5 J	
Allyl Chloride (3-Chloropropene)	0.23 U	0.23 U	0.23 U	0.38 U	
Benzene	1.2	0.86	0.93	0.41 J	
Benzyl Chloride	0.56 UJ	0.56 UJ	0.56 UJ	0.46 U	
Bromodichloromethane	0.42 U	0.42 U	0.42 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.21 U	0.21 U	0.21 U	0.28 U	
Carbon Disulfide	1.5	0.14 U	0.14 U	0.40 J	
Carbon Tetrachloride	0.48 U	0.44	0.44	0.42	
Chlorobenzene	0.19 U	0.19 U	0.19 U	0.20 U	
Chloroethane	0.33 U	0.33 U	0.33 U	0.47 U	
Chloroform	1.6	0.17 U	1.6	0.20 U	
Chloromethane (Methyl Chloride)	0.97	1.2	1.0	0.84 J	
Cis-1,2-Dichloroethylene	0.53 U	0.099 U	0.099 U	0.083 U	
Cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.20 U	
Cyclohexane	0.15 U	0.86	0.15 U	0.20 U	
Dibromochloromethane	0.65 U	0.65 U	0.65 U	0.54 U	
Dichlorodifluoromethane	2.3	2.2	2.3	2.0 J	
Ethylbenzene	1.3	0.15 U	0.15 U	0.30 U	
Hexachlorobutadiene	0.78 U	0.78 U	0.78 U	1.2 U	
Isopropanol	25	4.5	0.11 U	3.9 U	
m,p-Xylene	4.1	0.83 J	0.78 J	0.60 J	
Methyl Ethyl Ketone (2-Butanone)	2.6	1.1	1.0	1.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.49 J	0.22 U	0.22 U	0.53 U	
Methylene Chloride	4.3	1.2	1.2	0.68 J	

**Table C-57 GC066 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC066			
	Location ID:	GC066-SV01	GC066-BA01	GC066-BA02	GC066-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	Outdoor Air
	Date:	1/11/2024	1/11/2024	1/11/2024	1/10/2024
Naphthalene	0.36 U	0.26 U	0.26 U	1.6 U	
N-Heptane	0.16 U	0.70	0.74	0.23 U	
N-Hexane	1.4	1.2	0.95	0.39 J	
O-Xylene (1,2-Dimethylbenzene)	1.4	0.41 U	0.41 U	0.27 U	
Styrene	0.68	0.30 U	0.30 U	0.25 U	
Tert-Butyl Methyl Ether	0.14 U	0.14 U	0.14 U	0.13 U	
Tetrachloroethylene (PCE)	20	1.6	12	0.23 J	
Tetrahydrofuran	0.14 U	0.14 U	0.14 U	3.8 U	
Toluene	11	7.2	4.9	0.68 J	
Trans-1,2-Dichloroethene	0.16 U	0.16 U	0.16 U	0.091 U	
Trans-1,3-Dichloropropene	0.17 U	0.17 U	0.17 U	0.25 U	
Trichloroethylene (TCE)	0.64 J	0.21	0.38	0.13 U	
Trichlorofluoromethane	1.2	1.3	1.3	1.2	
Vinyl Bromide	0.15 U	0.15 U	0.15 U	0.22 U	
Vinyl Chloride	0.11 U	0.066 U	0.066 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-58 GC067 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: GC067	
Location ID: GC067-FA01	
Sample Type: Normal	
Sample Matrix: First Floor Air	
Date: 1/15/2024	
Analyte	
VOCs by Method TO15 (µg/m3)	
1,1,1-Trichloroethane (TCA)	0.24 U
1,1,2,2-Tetrachloroethane	0.30 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.41 U
1,1,2-Trichloroethane	0.40 U
1,1-Dichloroethane	0.10 U
1,1-Dichloroethene	0.10 U
1,2,4-Trichlorobenzene	2.4 U
1,2,4-Trimethylbenzene	0.39 U
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U
1,2-Dichlorobenzene	0.40 U
1,2-Dichloroethane	0.38 U
1,2-Dichloropropane	0.43 U
1,2-Dichlorotetrafluoroethane	0.34 U
1,3,5-Trimethylbenzene (Mesitylene)	0.23 U
1,3-Butadiene	0.10 J
1,3-Dichlorobenzene	0.44 U
1,4-Dichlorobenzene	0.54 U
1,4-Dioxane (P-Dioxane)	0.30 U
2-Hexanone	0.61 U
4-Ethyltoluene	0.24 U
Acetone	28
Allyl Chloride (3-Chloropropene)	0.38 U
Benzene	0.85
Benzyl Chloride	0.46 U
Bromodichloromethane	0.34 U
Bromoform	1.2 U
Bromomethane	0.28 U
Carbon Disulfide	0.48 J
Carbon Tetrachloride	0.36
Chlorobenzene	0.20 U
Chloroethane	0.47 U
Chloroform	1.8
Chloromethane (Methyl Chloride)	0.84 J
Cis-1,2-Dichloroethylene	0.083 U
Cis-1,3-Dichloropropene	0.20 U
Cyclohexane	0.20 J

**Table C-58 GC067 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: GC067	
Location ID: GC067-FA01	
Sample Type: Normal	
Sample Matrix: First Floor Air	
Date: 1/15/2024	
Analyte	
Dibromochloromethane	0.54 U
Dichlorodifluoromethane	1.9 J
Ethylbenzene	0.30 U
Hexachlorobutadiene	1.2 U
Isopropanol	7.4 J
m,p-Xylene	0.48 J
Methyl Ethyl Ketone (2-Butanone)	1.4 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.53 U
Methylene Chloride	0.63 U
Naphthalene	1.6 U
N-Heptane	1.1
N-Hexane	0.41 J
O-Xylene (1,2-Dimethylbenzene)	0.27 U
Styrene	0.25 U
Tert-Butyl Methyl Ether	0.13 U
Tetrachloroethylene (PCE)	0.51 J
Tetrahydrofuran	3.8 U
Toluene	1.3
Trans-1,2-Dichloroethene	0.091 U
Trans-1,3-Dichloropropene	0.25 U
Trichloroethylene (TCE)	0.28
Trichlorofluoromethane	1.1
Vinyl Bromide	0.22 U
Vinyl Chloride	0.054 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-59 GC069 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC069				
	Location ID:	GC069-SV01	GC069-BA01	GC069-BA01	GC069-FA01	GC069-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	First Floor Air	Outdoor Air
	Date:	2/1/2024	2/1/2024	2/1/2024	2/1/2024	2/1/2024
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.868 U	0.423 U	0.469 U	0.432 U	0.336 U	
1,1,2,2-Tetrachloroethane	0.624 U	0.304 U	0.337 U	0.311 U	0.242 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.39 U	0.679 U	0.753 U	0.940	0.562	
1,1,2-Trichloroethane	0.444 U	0.217 U	0.240 U	0.221 U	0.172 U	
1,1-Dichloroethane	0.636 U	0.310 U	0.344 U	0.317 U	0.246 U	
1,1-Dichloroethene	0.188 U	0.0915 U	0.101 U	0.0935 U	0.0727 U	
1,2,4-Trichlorobenzene	1.11 U	0.541 U	0.600 U	0.553 U	0.430 U	
1,2,4-Trimethylbenzene	1.40	0.862	0.855	0.927	0.973	
1,2-Dibromoethane (Ethylene Dibromide)	0.582 U	0.284 U	0.314 U	0.290 U	0.225 U	
1,2-Dichlorobenzene	0.740 U	0.361 U	0.400 U	0.369 U	0.286 U	
1,2-Dichloroethane	0.475 U	0.232 U	0.257 U	0.237 U	0.184 U	
1,2-Dichloropropane	0.446 U	0.218 U	0.241 U	0.222 U	0.173 U	
1,2-Dichlorotetrafluoroethane	1.30 U	0.632 U	0.701 U	0.646 U	0.502 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.503 U	0.245 U	0.272 U	0.250 U	5.84	
1,3-Butadiene	0.159 U	0.0776 UJ	0.0860 UJ	0.0793 UJ	0.0616 UJ	
1,3-Dichlorobenzene	0.763 U	0.372 U	0.412 U	0.380 U	0.295 U	
1,4-Dichlorobenzene	0.911 J	0.333 U	0.369 U	0.510 J	0.264 U	
1,4-Dioxane (P-Dioxane)	0.566 U	0.276 U	0.306 U	0.282 U	0.475 J	
2-Hexanone	0.318 U	0.155 U	0.172 U	0.158 U	0.811	
4-Ethyltoluene	0.708 U	0.635	0.553	0.556	4.54	
Acetone	15.5	26.3	26.3	15.4	85.4	
Allyl Chloride (3-Chloropropene)	0.451 U	0.220 U	0.243 U	0.224 U	0.174 U	
Benzene	0.599 U	1.15	1.18	1.17	1.33	
Benzyl Chloride	0.529 UJ	0.258 UJ	0.286 UJ	0.264 UJ	0.205 UJ	
Bromodichloromethane	0.508 J	0.210 U	0.233 U	0.215 U	0.167 U	
Bromoform	0.959 U	0.467 U	0.518 U	0.478 U	0.371 U	
Bromomethane	0.721 U	0.351 U	0.389 U	0.359 U	0.279 U	
Carbon Disulfide	4.84	0.270 U	0.299 U	0.276 U	0.297	
Carbon Tetrachloride	0.477	0.523	0.451	0.771	0.461	
Chlorobenzene	0.488 U	0.238 U	0.264 U	0.243 U	0.189 U	
Chloroethane	0.320 U	0.156 U	0.173 U	0.159 U	0.124 U	
Chloroform	0.851 U	0.901	0.849	0.424 U	0.329 U	
Chloromethane (Methyl Chloride)	0.508	1.49	1.56	2.47	2.59	
Cis-1,2-Dichloroethylene	0.188 U	0.0915 U	0.101 U	0.0935 U	0.0727 U	
Cis-1,3-Dichloropropene	0.352 U	0.172 U	0.190 U	0.175 U	0.136 U	
Cyclohexane	0.561 U	0.381	0.317 J	0.422	0.252	
Dibromochloromethane	0.791 U	0.385 U	0.427 U	0.394 U	0.306 U	
Dichlorodifluoromethane	2.34	2.88	2.78	4.57	2.83	
Ethylbenzene	0.658 J	0.521	0.489	1.72	0.509	
Hexachlorobutadiene	1.72 U	0.837 U	0.927 U	0.855 U	0.664 U	
Isopropanol	1.68 J	4.08	3.95	11.8	3.01	
m,p-Xylene	2.14	1.56	1.47	6.59	1.75	
Methyl Ethyl Ketone (2-Butanone)	1.96	1.85	1.78	2.11	7.44	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.71	0.321 U	0.356 U	1.74	0.510	
Methylene Chloride	1.84	0.898	0.782	18.1	1.04	
Naphthalene	0.963 U	0.469 UJ	0.520 UJ	0.480 UJ	0.373 UJ	
N-Heptane	0.334 U	0.681	0.629	0.850	0.721	
N-Hexane	0.534 U	0.976	0.901	3.46	0.904	
O-Xylene (1,2-Dimethylbenzene)	0.822	0.601	0.577	2.21	0.732	

**Table C-59 GC069 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC069				
	Location ID:	GC069-SV01	GC069-BA01	GC069-BA01	GC069-FA01	GC069-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	First Floor Air	Outdoor Air
	Date:	2/1/2024	2/1/2024	2/1/2024	2/1/2024	2/1/2024
Styrene	0.807	0.232 U	0.257 U	1.00	0.184 U	
Tert-Butyl Methyl Ether	0.662 U	0.323 U	0.358 U	0.330 U	0.256 U	
Tetrachloroethylene (PCE)	34.8	0.939	0.833	4.60	0.696	
Tetrahydrofuran	0.335 J	0.144 U	0.160 U	0.147 U	0.115 U	
Toluene	2.86	3.13	2.93	3.87	3.37	
Trans-1,2-Dichloroethene	0.593 U	0.289 U	0.320 U	0.295 U	0.230 U	
Trans-1,3-Dichloropropene	0.791 U	0.385 U	0.427 U	0.394 U	0.306 U	
Trichloroethylene (TCE)	0.305	0.124 U	0.137 U	0.253	0.118	
Trichlorofluoromethane	1.28	1.35	1.38	2.28	1.36	
Vinyl Bromide	0.795 U	0.388 U	0.430 U	0.396 U	0.308 U	
Vinyl Chloride	0.213 UJ	0.104 UJ	0.115 UJ	0.106 UJ	0.0824 UJ	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-60 GC070 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC070			
	Location ID:	GC070-SV01	GC070-BA01	GC070-FA01	GC070-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	1/17/2024	1/17/2024	1/17/2024	1/17/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.868 U	0.461 U	0.521 U	0.373 U	
1,1,2,2-Tetrachloroethane	0.624 U	0.331 U	0.375 U	0.268 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.39 U	0.740 U	0.837 U	0.598 U	
1,1,2-Trichloroethane	0.444 U	0.236 U	0.267 U	0.191 U	
1,1-Dichloroethane	0.636 U	0.338 U	0.382 U	0.273 U	
1,1-Dichloroethene	0.188 U	0.0997 U	0.113 U	0.0806 U	
1,2,4-Trichlorobenzene	1.11 UJ	0.590 UJ	0.667 UJ	0.477 UJ	
1,2,4-Trimethylbenzene	0.558 J-	0.297 U	0.335 U	0.240 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.582 U	0.309 U	0.349 U	0.250 U	
1,2-Dichlorobenzene	0.740 UJ	0.393 UJ	0.444 UJ	0.318 UJ	
1,2-Dichloroethane	0.475 U	0.252 U	0.285 U	0.204 U	
1,2-Dichloropropane	0.446 U	0.237 U	0.268 U	0.192 U	
1,2-Dichlorotetrafluoroethane	1.30 U	0.689 U	0.779 U	0.557 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.503 U	0.267 U	0.302 U	0.216 U	
1,3-Butadiene	0.159 U	0.0846 U	0.0956 U	0.0683 U	
1,3-Dichlorobenzene	0.763 U	0.405 U	0.458 U	0.327 U	
1,4-Dichlorobenzene	0.683 U	0.363 U	0.410 U	0.293 U	
1,4-Dioxane (P-Dioxane)	0.566 U	0.301 U	0.340 U	0.243 U	
2-Hexanone	0.318 U	0.169 U	0.191 U	0.137 U	
4-Ethyltoluene	0.707 U	0.376 U	0.425 U	0.304 U	
Acetone	62.9 J-	20.8 J-	22.1 J-	7.16 J-	
Allyl Chloride (3-Chloropropene)	0.450 U	0.239 U	0.270 U	0.193 U	
Benzene	0.599 U	1.96 J-	1.89 J-	0.649 J-	
Benzyl Chloride	0.529 U	0.281 U	0.318 U	0.227 U	
Bromodichloromethane	2.92 J-	0.229 U	0.259 U	0.185 U	
Bromoform	0.959 U	0.510 U	0.576 U	0.412 U	
Bromomethane	0.720 U	0.383 U	0.433 U	0.309 U	
Carbon Disulfide	3.07 J-	1.00 J-	2.37 J-	0.238 U	
Carbon Tetrachloride	0.357 J-	0.570 J-	0.572 J-	0.460 J-	
Chlorobenzene	0.488 U	0.259 U	0.293 U	0.210 U	
Chloroethane	0.320 U	0.170 U	0.192 U	0.137 U	
Chloroform	34.1 J-	4.18 J-	2.55 J-	0.365 U	
Chloromethane (Methyl Chloride)	0.192 U	1.50 J-	1.36 J-	0.772 J-	
Cis-1,2-Dichloroethylene	0.188 U	0.0997 U	0.113 U	0.0806 U	
Cis-1,3-Dichloropropene	0.352 U	0.187 U	0.212 U	0.151 U	
Cyclohexane	0.560 U	0.298 U	0.337 U	0.241 U	
Dibromochloromethane	0.790 U	0.420 U	0.475 U	0.339 U	
Dichlorodifluoromethane	2.62 J-	2.24 J-	2.53 J-	2.37 J-	
Ethylbenzene	0.567 U	0.306 J-	0.341 U	0.244 U	
Hexachlorobutadiene	1.72 U	0.912 U	1.03 U	0.737 U	
Isopropanol	3.35 J-	3.46 J-	4.02 J-	1.32 J-	
m,p-Xylene	1.18 U	0.625 U	0.706 U	0.505 U	
Methyl Ethyl Ketone (2-Butanone)	3.07 J-	0.890 J-	0.905 J-	0.480 J-	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.659 U	0.350 U	0.396 U	0.283 U	
Methylene Chloride	1.12 J-	1.40 J-	1.30 J-	0.565 J-	

**Table C-60 GC070 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC070			
	Location ID:	GC070-SV01	GC070-BA01	GC070-FA01	GC070-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	1/17/2024	1/17/2024	1/17/2024	1/17/2024
Naphthalene	0.963 UJ	0.512 UJ	0.578 UJ	0.413 UJ	
N-Heptane	0.334 U	0.371 J-	0.373 J-	0.267 J-	
N-Hexane	0.534 U	0.426 J-	0.401 J-	0.401 J-	
O-Xylene (1,2-Dimethylbenzene)	0.411 J-	0.218 J-	0.197 J-	0.106 J-	
Styrene	0.476 U	0.253 U	0.286 U	0.204 U	
Tert-Butyl Methyl Ether	0.662 U	0.352 U	0.398 U	0.284 U	
Tetrachloroethylene (PCE)	16.0 J-	1.36 J-	0.925 J-	0.276 J-	
Tetrahydrofuran	0.447 J-	0.208 J-	0.268 J-	0.127 U	
Toluene	2.21 J-	0.948 J-	0.814 J-	0.643 J-	
Trans-1,2-Dichloroethene	0.593 U	0.315 U	0.356 U	0.255 U	
Trans-1,3-Dichloropropene	0.790 U	0.420 U	0.475 U	0.339 U	
Trichloroethylene (TCE)	0.814 J-	0.135 U	0.153 U	0.109 U	
Trichlorofluoromethane	1.17 J-	1.30 J-	1.34 J-	1.28 J-	
Vinyl Bromide	0.795 U	0.422 U	0.477 U	0.341 U	
Vinyl Chloride	0.213 U	0.113 U	0.128 U	0.0914 U	

Key:

Qualifiers

J- = Estimated value with low bias

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-61 GC071 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC071	
	Location ID:	GC071-BA01	GC071-OA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Basement Air	Outdoor Air
	Date:	1/11/2024	1/11/2024
VOCs by Method TO15 (µg/m3)			
1,1,1-Trichloroethane (TCA)	0.093 U	0.093 U	
1,1,2,2-Tetrachloroethane	0.54 U	0.54 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.13 U	0.13 U	
1,1,2-Trichloroethane	0.13 U	0.13 U	
1,1-Dichloroethane	0.10 U	0.10 U	
1,1-Dichloroethene	0.17 U	0.17 U	
1,2,4-Trichlorobenzene	0.42 UJ	0.42 UJ	
1,2,4-Trimethylbenzene	0.59 J	0.38 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.59 U	0.59 U	
1,2-Dichlorobenzene	0.58 U	0.58 U	
1,2-Dichloroethane	0.24 U	0.24 U	
1,2-Dichloropropane	0.25 U	0.25 U	
1,2-Dichlorotetrafluoroethane	0.17 U	0.17 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.40 U	0.40 U	
1,3-Butadiene	0.24 U	0.24 U	
1,3-Dichlorobenzene	0.46 U	0.46 U	
1,4-Dichlorobenzene	0.64 U	0.64 U	
1,4-Dioxane (P-Dioxane)	0.061 U	0.061 U	
2-Hexanone	0.13 U	0.13 U	
4-Ethyltoluene	0.38 U	0.38 U	
Acetone	7.1 J	7.4 J	
Allyl Chloride (3-Chloropropene)	0.23 U	0.23 U	
Benzene	1.1	0.89	
Benzyl Chloride	0.56 UJ	0.56 UJ	
Bromodichloromethane	0.42 U	0.42 U	
Bromoform	1.2 U	1.2 U	
Bromomethane	0.21 U	0.21 U	
Carbon Disulfide	0.14 U	0.14 U	
Carbon Tetrachloride	0.44	0.44	
Chlorobenzene	0.19 U	0.19 U	
Chloroethane	0.33 U	0.33 U	
Chloroform	0.17 U	0.17 U	
Chloromethane (Methyl Chloride)	0.87	0.87	
Cis-1,2-Dichloroethylene	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.22 U	0.22 U	
Cyclohexane	0.38 J	0.15 U	

**Table C-61 GC071 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC071	
	Location ID:	GC071-BA01	GC071-OA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Basement Air	Outdoor Air
	Date:	1/11/2024	1/11/2024
Dibromochloromethane	0.65 U	0.65 U	
Dichlorodifluoromethane	2.2	2.4	
Ethylbenzene	0.15 U	0.15 U	
Hexachlorobutadiene	0.78 U	0.78 U	
Isopropanol	0.11 U	0.11 U	
m,p-Xylene	1.1 J	0.69 J	
Methyl Ethyl Ketone (2-Butanone)	0.94	0.86 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.22 U	0.22 U	
Methylene Chloride	0.87	0.80	
Naphthalene	0.26 U	0.26 U	
N-Heptane	0.70	0.66	
N-Hexane	1.2	1.1	
O-Xylene (1,2-Dimethylbenzene)	0.41 U	0.41 U	
Styrene	0.30 U	0.30 U	
Tert-Butyl Methyl Ether	0.14 U	0.14 U	
Tetrachloroethylene (PCE)	0.21 U	0.21 U	
Tetrahydrofuran	0.14 U	0.14 U	
Toluene	2.3	1.7	
Trans-1,2-Dichloroethene	0.16 U	0.16 U	
Trans-1,3-Dichloropropene	0.17 U	0.17 U	
Trichloroethylene (TCE)	0.16	0.16	
Trichlorofluoromethane	1.2	1.3	
Vinyl Bromide	0.15 U	0.15 U	
Vinyl Chloride	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-62 GC072 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC072						
	Location ID:	GC072-SV01	GC072-BA01	GC072-SV02	GC072-BA02	GC072-SV03	GC072-BA03	GC072-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal
	Date:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Outdoor Air
		2/1/2024	2/1/2024	2/1/2024	2/1/2024	2/1/2024	2/1/2024	2/1/2024
VOCs by Method TO15 (µg/m3)								
1,1,1-Trichloroethane (TCA)		0.812 U	0.384 U	0.832 U	0.460 U	1.02 U	0.451 U	0.430 U
1,1,2,2-Tetrachloroethane		0.584 U	0.276 U	0.598 U	0.331 U	0.733 U	0.324 U	0.309 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		1.30 U	0.642	1.34 U	0.739 U	1.64 U	0.723 U	0.690 U
1,1,2-Trichloroethane		0.416 U	0.197 U	0.426 U	0.236 U	0.522 U	0.231 U	0.220 U
1,1-Dichloroethane		0.595 U	0.282 U	0.610 U	0.337 U	0.747 U	0.330 U	0.315 U
1,1-Dichloroethene		0.176 U	0.0831 U	0.180 U	0.0995 U	0.220 U	0.0974 U	0.0930 U
1,2,4-Trichlorobenzene		1.04 U	0.491 U	1.06 U	0.589 U	1.30 U	0.576 U	1.04 J
1,2,4-Trimethylbenzene		2.18	1.07	3.04	0.888	0.765 J	1.06	0.507
1,2-Dibromoethane (Ethylene Dibromide)		0.545 U	0.258 U	0.558 U	0.309 U	0.683 U	0.302 U	0.288 U
1,2-Dichlorobenzene		0.692 U	0.327 U	0.710 U	0.392 U	0.869 U	0.384 U	0.367 U
1,2-Dichloroethane		0.445 U	0.210 U	0.456 U	0.252 U	0.558 U	0.247 U	0.235 U
1,2-Dichloropropane		0.418 U	0.197 U	0.428 U	0.237 U	0.524 U	0.232 U	0.221 U
1,2-Dichlorotetrafluoroethane		1.21 U	0.574 UJ	1.24 U	0.688 U	1.52 U	0.673 U	0.643 U
1,3,5-Trimethylbenzene (Mesitylene)		0.470 U	0.247 J	0.714 J	0.267 U	0.590 U	0.290 J	0.249 U
1,3-Butadiene		0.149 U	0.0704 UJ	0.153 U	0.0844 U	0.187 U	0.0826 U	0.0789 UJ
1,3-Dichlorobenzene		0.714 U	0.338 U	0.732 U	0.404 U	0.895 U	0.396 U	0.378 U
1,4-Dichlorobenzene		1.07	0.302 U	1.86	0.362 U	1.20 J	0.355 J	0.338 U
1,4-Dioxane (P-Dioxane)		0.530 U	0.251 U	0.543 U	0.300 U	1.60	0.294 U	0.281 U
2-Hexanone		0.298 U	0.141 U	0.305 U	0.169 U	0.373 U	0.165 U	0.269 J
4-Ethyltoluene		0.871	0.659	1.34	0.543	0.831 U	0.822	0.369 J
Acetone		11.4	19.4	44.3	21.2	83.1	16.5	9.00
Allyl Chloride (3-Chloropropene)		0.422 U	0.199 U	0.432 U	0.239 U	0.529 U	0.234 U	0.223 U
Benzene		0.560 U	1.47	1.28	1.15	0.703 U	1.04	1.08
Benzyl Chloride		0.495 UJ	0.234 U	0.508 UJ	0.281 UJ	0.621 UJ	0.275 UJ	0.262 U
Bromodichloromethane		0.404 U	0.191 U	0.414 U	0.269 J	0.506 U	0.224 U	0.214 U
Bromoform		0.898 U	0.424 U	0.920 U	0.509 U	1.13 U	0.498 U	0.475 U
Bromomethane		0.674 U	0.319 U	0.691 U	0.382 U	0.846 U	0.374 U	0.357 U
Carbon Disulfide		4.69	0.245 U	6.56	0.294 U	5.88	0.288 U	0.275 U
Carbon Tetrachloride		0.334	0.633	0.457	0.442	0.350 U	0.433	0.472
Chlorobenzene		0.457 U	0.216 U	0.468 U	0.259 U	0.573 U	0.253 U	0.242 U
Chloroethane		0.299 U	0.142 U	0.307 U	0.170 U	0.375 U	0.166 U	0.158 U
Chloroform		0.796 U	1.88	1.68	3.24	0.999 U	2.45	0.421 U
Chloromethane (Methyl Chloride)		1.10	2.32 J	1.01	1.33	0.225 U	1.56	1.80
Cis-1,2-Dichloroethylene		0.176 U	0.0831 U	0.180 U	0.0995 U	0.220 U	0.0974 U	0.0930 U
Cis-1,3-Dichloropropene		0.330 U	0.156 U	0.338 U	0.187 U	0.414 U	0.183 U	0.175 U
Cyclohexane		0.525 U	0.375	0.538 U	0.449	0.658 U	0.305 J	0.278 U
Dibromochloromethane		0.740 U	0.350 U	0.758 U	0.419 U	0.928 U	0.410 U	0.392 U
Dichlorodifluoromethane		2.45	3.15	3.77	2.33	2.42	2.48	2.88
Ethylbenzene		0.616 J	0.619	0.946	0.610	0.772 J	0.427	0.407
Hexachlorobutadiene		1.61 U	0.760 U	1.65 U	0.910 U	2.02 U	0.891 U	0.850 U
Isopropanol		1.18	5.64	3.75	9.28	6.45	7.56	2.49
m,p-Xylene		2.08	2.07	3.08	1.61	2.61	1.41	1.18
Methyl Ethyl Ketone (2-Butanone)		1.20	1.04	3.43	1.18	4.06	1.01	1.11
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		1.81	0.292 U	0.893	0.350 U	0.820 J	0.342 U	0.423
Methylene Chloride		5.54	1.54	7.25	5.75	7.49	2.49	0.749

**Table C-62 GC072 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC072						
	Location ID:	GC072-SV01	GC072-BA01	GC072-SV02	GC072-BA02	GC072-SV03	GC072-BA03	GC072-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Outdoor Air
Date:	2/1/2024	2/1/2024	2/1/2024	2/1/2024	2/1/2024	2/1/2024	2/1/2024	
Naphthalene	0.901 U	0.426 UJ	0.923 U	0.511 U	1.13 U	0.500 U	0.477 UJ	
N-Heptane	0.312 U	0.996	0.447 J	0.617	0.392 U	0.685	0.577	
N-Hexane	0.500 U	1.15	0.512 U	1.13	0.627 U	0.936	0.827	
O-Xylene (1,2-Dimethylbenzene)	0.923	0.728	1.34	0.654	1.06	0.512	0.448	
Styrene	1.06	0.393	2.32	0.252 U	1.14	0.247 U	0.236 U	
Tert-Butyl Methyl Ether	0.620 U	0.293 U	0.635 U	0.351 U	0.777 U	0.344 U	0.328 U	
Tetrachloroethylene (PCE)	13.2	1.19	24.5	1.77	4.82	3.20	0.382 J	
Tetrahydrofuran	0.277 U	0.131 U	0.589 J	0.157 U	0.393 J	0.154 U	0.147 U	
Toluene	2.40	3.19	4.11	3.25	2.76	3.07	1.91	
Trans-1,2-Dichloroethene	0.555 U	0.262 U	0.569 U	0.314 U	0.696 U	0.308 U	0.294 U	
Trans-1,3-Dichloropropene	0.740 U	0.350 U	0.758 U	0.419 U	0.928 U	0.410 U	0.392 U	
Trichloroethylene (TCE)	0.238 U	0.113 U	0.293	0.135 U	0.299 U	0.132 U	0.126 U	
Trichlorofluoromethane	1.19	1.60	1.33	1.13	1.12 J	1.22	1.37	
Vinyl Bromide	0.744 U	0.352 U	0.763 U	0.422 U	0.933 U	0.413 U	0.394 U	
Vinyl Chloride	0.199 UJ	0.0943 UJ	0.204 UJ	0.113 UJ	0.250 UJ	0.111 UJ	0.106 UJ	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-63 GC074 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC074				
	Location ID:	GC074-SV01	GC074-BA01	GC074-BA02	GC074-FA01	GC074-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	First Floor Air	Outdoor Air
	Date:	1/22/2024	1/22/2024	1/22/2024	1/22/2024	1/22/2024
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.31 U	0.093 U	0.093 U	0.093 U	0.093 U	
1,1,2,2-Tetrachloroethane	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	
1,1,2-Trichloroethane	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	
1,1-Dichloroethane	0.19 U	0.10 U	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	
1,2,4-Trichlorobenzene	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	
1,2,4-Trimethylbenzene	1.9 J-	0.59 J	0.69 J	0.74	0.38 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.59 U	0.59 U	0.59 U	0.59 U	0.59 U	
1,2-Dichlorobenzene	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	
1,2-Dichloroethane	0.69	0.24 U	0.24 U	0.24 U	0.24 U	
1,2-Dichloropropane	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	
1,2-Dichlorotetrafluoroethane	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.74 J-	0.40 U	0.40 U	0.40 U	0.40 U	
1,3-Butadiene	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	
1,3-Dichlorobenzene	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	
1,4-Dichlorobenzene	1.4 J-	0.64 U	0.64 U	0.64 U	0.64 U	
1,4-Dioxane (P-Dioxane)	0.50 J	0.061 U	0.061 U	0.061 U	0.061 U	
2-Hexanone	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	
4-Ethyltoluene	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	
Acetone	48 J	9.4 J	8.2 J	22 J	8.8 J	
Allyl Chloride (3-Chloropropene)	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	
Benzene	2.2	1.1	1.1	1.1	0.99	
Benzyl Chloride	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	
Bromodichloromethane	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	
Carbon Disulfide	44	0.14 U	0.14 U	0.14 U	0.14 U	
Carbon Tetrachloride	0.48 U	0.44	0.50	0.63	0.50	
Chlorobenzene	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	
Chloroethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	
Chloroform	1.8	0.54 J	0.17 U	0.98	0.17 U	
Chloromethane (Methyl Chloride)	0.41	0.91	0.91	1.1	0.87	
Cis-1,2-Dichloroethylene	0.53 U	0.099 U	0.099 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	
Cyclohexane	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	
Dibromochloromethane	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	
Dichlorodifluoromethane	2.4	2.3	2.3	2.3	2.3	
Ethylbenzene	1.3 J-	0.15 U	0.15 U	0.56 J	0.43 J	
Hexachlorobutadiene	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	
Isopropanol	10	16 J	25 J	84 J	0.11 U	
m,p-Xylene	3.8 J-	1.2 J	1.1 J	1.4	1.3 J	
Methyl Ethyl Ketone (2-Butanone)	4.2	0.65 J	0.62 J	0.91	0.65 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.8	0.22 U	0.22 U	0.22 U	0.22 U	
Methylene Chloride	5.0	1.1	0.83	1.1	0.80	
Naphthalene	0.36 U	0.26 U	0.26 U	0.26 U	0.26 U	
N-Heptane	2.2	0.61	0.66	0.82	0.53 J	
N-Hexane	1.9	0.92	0.88	0.81	0.85	
O-Xylene (1,2-Dimethylbenzene)	1.4 J-	0.41 U	0.41 U	0.48 J	0.41 U	

**Table C-63 GC074 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC074				
	Location ID:	GC074-SV01	GC074-BA01	GC074-BA02	GC074-FA01	GC074-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	First Floor Air	Outdoor Air
	Date:	1/22/2024	1/22/2024	1/22/2024	1/22/2024	1/22/2024
Styrene	0.72 J-	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Tert-Butyl Methyl Ether	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Tetrachloroethylene (PCE)	13	1.1	0.88 J	1.1	1.2	
Tetrahydrofuran	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	
Toluene	11	2.2	2.7	4.7	1.6	
Trans-1,2-Dichloroethene	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	
Trans-1,3-Dichloropropene	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	
Trichloroethylene (TCE)	0.59 J	0.16 U	0.16 U	0.16 U	0.16 U	
Trichlorofluoromethane	0.84	1.2	1.2	1.2	1.2	
Vinyl Bromide	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	
Vinyl Chloride	0.11 U	0.066 U	0.066 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

J- = Estimated value with low bias

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-64 GC075 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC075			
	Location ID:	GC075-SV01	GC075-BA01	GC075-FA01	GC075-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/11/2024	3/11/2024	3/11/2024	3/11/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.41 U	0.42 J	0.64 J	0.42 J	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	0.39 U	0.61 J	0.81 J	0.39 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.23 U	0.23 U	0.23 U	0.23 U	
1,3-Butadiene	0.086 U	0.086 U	0.086 U	0.086 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	0.54 U	0.54 U	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.30 U	0.30 U	
2-Hexanone	0.61 U	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	0.24 U	0.24 U	0.24 U	0.24 U	
Acetone	70	84	110	4.8 J	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	0.38 U	
Benzene	0.43 J	0.54 J	0.80	0.46 J	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	0.40 U	0.40 U	0.40 U	0.40 U	
Carbon Tetrachloride	0.53	0.40	0.96	0.41	
Chlorobenzene	0.20 U	0.20 U	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	0.47 U	
Chloroform	0.37 J	0.27 J	0.67 J	0.20 U	
Chloromethane (Methyl Chloride)	1.0	1.1	1.8	1.1	
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	
Cyclohexane	0.20 U	0.20 U	0.28 J	0.20 J	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	1.8 J	2.1 J	3.4	2.2 J	
Ethylbenzene	0.32 J	0.60 J	0.30 U	0.30 U	
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	1.2 U	
Isopropanol	5.3 J	9.1 J	10 J	3.9 U	
m,p-Xylene	0.90 J	1.6 J	1.8 J	0.47 J	
Methyl Ethyl Ketone (2-Butanone)	1.4 U	1.4 U	1.4 U	1.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.53 U	0.53 U	0.53 U	0.53 U	
Methylene Chloride	0.79 J	0.63 U	1.4 J	1.6 J	

**Table C-64 GC075 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC075			
	Location ID:	GC075-SV01	GC075-BA01	GC075-FA01	GC075-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/11/2024	3/11/2024	3/11/2024	3/11/2024
Naphthalene	1.6 U	1.6 U	1.6 U	1.6 U	
N-Heptane	0.28 J	0.49 J	0.55 J	0.24 J	
N-Hexane	0.86 J	0.79 J	1.7 J	0.43 J	
O-Xylene (1,2-Dimethylbenzene)	0.29 J	0.58 J	0.57 J	0.27 U	
Styrene	0.30 J	0.57 J	0.59 J	0.25 U	
Tert-Butyl Methyl Ether	0.13 U	0.13 U	0.13 U	0.13 U	
Tetrachloroethylene (PCE)	0.18 J	0.26 J	0.35 J	0.28 J	
Tetrahydrofuran	3.8 U	3.8 U	3.8 U	3.8 U	
Toluene	2.5	3.7	5.0	0.95	
Trans-1,2-Dichloroethene	0.091 U	0.091 U	0.091 U	0.091 U	
Trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	0.25 U	
Trichloroethylene (TCE)	0.13 U	0.13 U	0.13 U	0.13 U	
Trichlorofluoromethane	0.95 J	1.5	1.6	1.2	
Vinyl Bromide	0.22 U	0.22 U	0.22 U	0.22 U	
Vinyl Chloride	0.054 U	0.054 U	0.054 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-65 GC076 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC076			
	Location ID:	GC076-SV01	GC076-FA01	GC076-FA01	GC076-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	First Floor Air	Outdoor Air
	Date:	1/17/2024	1/17/2024	1/17/2024	1/17/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	3.3	0.20 U	0.20 U	0.20 U	
1,1,2,2-Tetrachloroethane	1.3 U	0.33 U	0.33 U	0.33 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.92 U	0.24 U	0.24 U	0.24 U	
1,1,2-Trichloroethane	0.82 U	0.21 U	0.21 U	0.21 U	
1,1-Dichloroethane	0.93 U	0.23 U	0.23 U	0.23 U	
1,1-Dichloroethene	0.95 U	0.23 U	0.23 U	0.23 U	
1,2,4-Trichlorobenzene	3.6 UJ	0.89 UJ	0.89 UJ	0.89 UJ	
1,2,4-Trimethylbenzene	1.7 U	5.9	6.9	0.43 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.92 U	0.23 U	0.23 U	0.23 U	
1,2-Dichlorobenzene	1.7 U	0.41 U	0.41 U	0.41 U	
1,2-Dichloroethane	1.1 U	0.28 U	0.28 U	0.28 U	
1,2-Dichloropropane	1.2 U	0.29 U	0.29 U	0.29 U	
1,2-Dichlorotetrafluoroethane	1.4 U	0.35 U	0.35 U	0.35 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.6 U	1.5	1.4	0.39 U	
1,3-Butadiene	0.75 U	0.19 U	0.19 U	0.19 U	
1,3-Dichlorobenzene	0.96 U	0.24 U	0.24 U	0.24 U	
1,4-Dichlorobenzene	1.9 U	0.47 U	0.47 U	0.47 U	
1,4-Dioxane (P-Dioxane)	6.1	0.43 U	0.43 U	0.43 U	
2-Hexanone	4.5	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	1.9 U	1.5	1.9	0.47 U	
Acetone	672	54.2	59.6	4.8	
Allyl Chloride (3-Chloropropene)	1.0 U	0.26 U	0.26 U	0.26 U	
Benzene	0.31 U	2.6	2.4	1.3	
Benzyl Chloride	2.6 U	0.67 U	0.67 U	0.67 U	
Bromodichloromethane	0.80 U	0.20 U	0.20 U	0.20 U	
Bromoform	2.9 U	0.73 U	0.73 U	0.73 U	
Bromomethane	1.1 U	0.27 U	0.27 U	0.27 U	
Carbon Disulfide	1.7 J	0.14 U	0.14 U	0.14 U	
Carbon Tetrachloride	1.0 U	0.25 U	0.25 U	0.25 U	
Chlorobenzene	1.4 U	0.34 U	0.34 U	0.34 U	
Chloroethane	0.71 U	0.18 U	0.18 U	0.18 U	
Chloroform	9.8	0.18 U	0.18 U	0.18 U	
Chloromethane (Methyl Chloride)	0.74 U	1.0	1.1	1.0	
Cis-1,2-Dichloroethylene	0.48 U	0.12 U	0.12 U	0.12 U	
Cis-1,3-Dichloropropene	1.1 U	0.28 U	0.28 U	0.28 U	
Cyclohexane	0.62 U	1.0	1.0	0.15 U	
Dibromochloromethane	1.8 U	0.44 U	0.44 U	0.44 U	
Dichlorodifluoromethane	2.2 J	1.1	1.2	1.4	
Ethylbenzene	1.0 U	3.0	3.3	1.3	
Hexachlorobutadiene	2.7 UJ	0.66 UJ	0.66 UJ	0.66 UJ	
Isopropanol	479	1.6	1.4	1.0	
M,P-Xylene (Sum Of Isomers)	2.4 J	6.9	7.8	1.1	
Methyl Ethyl Ketone (2-Butanone)	34.2	1.2	1.4	0.44 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	6.1	0.30 U	0.30 U	0.30 U	
Methylene Chloride	0.76 U	1.5	2.0	0.19 U	
Naphthalene	2.7 U	0.68 U	0.89 J	0.73 J	
N-Heptane	0.74 U	1.6	1.5	0.18 U	
N-Hexane	0.74 U	7.0	6.3	0.39 J	
O-Xylene (1,2-Dimethylbenzene)	1.3 U	2.4	2.6	0.43 J	
Styrene	0.89 U	0.23 U	0.23 U	0.23 U	

**Table C-65 GC076 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC076			
	Location ID:	GC076-SV01	GC076-FA01	GC076-FA01	GC076-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	First Floor Air	Outdoor Air
	Date:	1/17/2024	1/17/2024	1/17/2024	1/17/2024
Tert-Butyl Methyl Ether	1.2 U	0.29 U	0.29 U	0.29 U	
Tetrachloroethylene (PCE)	6.8	0.50	0.58	0.095 U	
Tetrahydrofuran	1.1 U	2.3	1.5	0.27 U	
Toluene	6.0	14	15	1.3	
Trans-1,2-Dichloroethene	0.44 U	0.11 U	0.11 U	0.11 U	
Trans-1,3-Dichloropropene	1.8 U	0.45 U	0.45 U	0.45 U	
Trichloroethylene (TCE)	1480	0.10 U	0.10 U	0.10 U	
Trichlorofluoromethane	3.5 U	1.1	1.1	1.2	
Vinyl Bromide	1.0 U	0.27 U	0.27 U	0.27 U	
Vinyl Chloride	0.72 U	0.18 U	0.18 U	0.18 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-66 GC077 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC077			
	Location ID:	GC077-SV01	GC077-FA01	GC077-FA02	GC077-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	First Floor Air	Outdoor Air
	Date:	1/8/2024	1/8/2024	1/8/2024	1/8/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.808 U	0.371 U	0.417 U	0.394 U	
1,1,2,2-Tetrachloroethane	0.581 U	0.267 U	0.300 U	0.283 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.30 U	0.595 U	0.670 U	0.633 U	
1,1,2-Trichloroethane	0.414 U	0.190 U	0.214 U	0.202 U	
1,1-Dichloroethane	0.592 U	0.272 U	0.306 U	0.289 U	
1,1-Dichloroethene	0.175 U	0.0802 U	0.0902 U	0.0852 U	
1,2,4-Trichlorobenzene	1.03 UJ	0.474 UJ	0.534 UJ	0.504 UJ	
1,2,4-Trimethylbenzene	1.91 J-	0.477 J-	0.805 J-	0.634 J-	
1,2-Dibromoethane (Ethylene Dibromide)	0.542 U	0.249 U	0.280 U	0.264 U	
1,2-Dichlorobenzene	0.689 U	0.316 U	0.356 U	0.336 U	
1,2-Dichloroethane	0.499 J-	0.203 U	0.228 U	0.216 U	
1,2-Dichloropropane	0.415 U	0.191 U	0.214 U	0.203 U	
1,2-Dichlorotetrafluoroethane	1.21 U	0.554 U	0.623 U	0.589 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.04 J-	0.215 U	0.242 U	0.228 U	
1,3-Butadiene	0.148 UJ	0.0680 UJ	0.0765 UJ	0.0723 UJ	
1,3-Dichlorobenzene	0.710 U	0.326 U	0.367 U	0.346 U	
1,4-Dichlorobenzene	0.636 U	0.292 U	0.328 U	0.310 U	
1,4-Dioxane (P-Dioxane)	0.527 UJ	0.242 UJ	0.272 UJ	0.257 UJ	
2-Hexanone	0.296 U	0.136 UJ	0.153 UJ	0.144 UJ	
4-Ethyltoluene	1.30 J-	0.398 J-	0.671 J-	0.634 J-	
Acetone	10.8 J-	5.63 J-	17.1 J-	6.72 J-	
Allyl Chloride (3-Chloropropene)	0.419 U	0.192 U	0.216 U	0.205 U	
Benzene	0.845 J-	1.24 J-	1.45 J-	1.54 J-	
Benzyl Chloride	0.493 U	0.226 U	0.254 U	0.240 U	
Bromodichloromethane	0.402 U	0.184 U	0.207 U	0.196 U	
Bromoform	0.893 U	0.410 U	0.461 U	0.436 U	
Bromomethane	0.671 U	0.308 U	0.346 U	0.327 U	
Carbon Disulfide	1.37 J-	0.237 U	0.266 U	0.252 U	
Carbon Tetrachloride	0.277 U	0.458 J-	0.458 J-	0.433 J-	
Chlorobenzene	0.455 U	0.209 U	0.235 U	0.222 U	
Chloroethane	0.298 U	0.137 U	0.154 U	0.145 U	
Chloroform	0.792 U	0.363 U	0.533 J-	0.386 U	
Chloromethane (Methyl Chloride)	0.178 UJ	1.14 J-	1.35 J-	1.12 J-	
Cis-1,2-Dichloroethylene	0.175 U	0.0802 U	0.0902 U	0.0852 U	
Cis-1,3-Dichloropropene	0.328 U	0.151 U	0.169 U	0.160 U	
Cyclohexane	0.607 J-	0.640 J-	0.720 J-	0.681 J-	
Dibromochloromethane	0.736 U	0.338 U	0.380 U	0.359 U	
Dichlorodifluoromethane	1.57 J-	1.64 J-	1.31 J-	1.40 J-	
Ethylbenzene	1.22 J-	0.703 J-	0.751 J-	0.747 J-	
Hexachlorobutadiene	1.60 UJ	0.733 UJ	0.825 UJ	0.780 UJ	
Isopropanol	2.21 J-	5.39 J-	46.9 J-	3.40 J-	
m,p-Xylene	4.52 J-	2.25 J-	2.53 J-	2.50 J-	
Methyl Ethyl Ketone (2-Butanone)	2.91 J-	0.978 J-	1.15 J-	0.888 J-	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.614 U	0.795 J-	0.634 J-	0.599 J-	
Methylene Chloride	0.490 J-	0.703 J-	0.759 J-	0.807 J-	

**Table C-66 GC077 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC077			
	Location ID:	GC077-SV01	GC077-FA01	GC077-FA02	GC077-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	First Floor Air	Outdoor Air
	Date:	1/8/2024	1/8/2024	1/8/2024	1/8/2024
Naphthalene	1.20 J-	0.411 UJ	0.463 UJ	0.437 UJ	
N-Heptane	3.47 J-	1.39 J-	3.73 J-	1.23 J-	
N-Hexane	8.76 J-	1.63 J-	1.89 J-	1.88 J-	
O-Xylene (1,2-Dimethylbenzene)	1.99 J-	0.808 J-	0.948 J-	0.934 J-	
Styrene	0.443 U	0.448 J-	0.229 U	0.216 U	
Tert-Butyl Methyl Ether	0.617 U	0.283 U	0.318 U	0.301 U	
Tetrachloroethylene (PCE)	1.91 J-	0.384 J-	0.432 J-	0.408 J-	
Tetrahydrofuran	1.35 J-	0.126 U	0.142 U	0.134 U	
Toluene	91.6 J-	2.90 J-	4.29 J-	3.27 J-	
Trans-1,2-Dichloroethene	0.552 U	0.253 U	0.285 U	0.269 U	
Trans-1,3-Dichloropropene	0.736 U	0.338 U	0.380 U	0.359 U	
Trichloroethylene (TCE)	0.237 U	0.109 U	0.122 U	0.116 U	
Trichlorofluoromethane	1.19 J-	1.27 J-	1.38 J-	1.35 J-	
Vinyl Bromide	0.740 U	0.340 U	0.382 U	0.361 U	
Vinyl Chloride	0.198 UJ	0.0910 UJ	0.102 UJ	0.0967 UJ	

Key:

Qualifiers

J- = Estimated value with low bias

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-67 GC078 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC078			
	Location ID:	GC078-SV01	GC078-BA01	GC078-FA01	GC078-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	2/21/2024	2/21/2024	2/21/2024	2/21/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.855 U	0.507 U	0.543 U	0.406 U	
1,1,2,2-Tetrachloroethane	0.615 U	0.365 U	0.390 U	0.292 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.37 U	0.848	0.871 U	0.815	
1,1,2-Trichloroethane	0.438 U	0.260 U	0.278 U	0.208 U	
1,1-Dichloroethane	0.906	0.372 U	0.398 U	0.298 U	
1,1-Dichloroethene	0.185 U	0.132 U	0.117 U	0.105 U	
1,2,4-Trichlorobenzene	1.09 U	1.48 J	0.694 U	0.519 UJ	
1,2,4-Trimethylbenzene	1.01	0.707	0.407 J	0.436	
1,2-Dibromoethane (Ethylene Dibromide)	0.573 U	0.340 U	0.364 U	0.272 U	
1,2-Dichlorobenzene	0.729 U	0.433 U	0.463 U	0.346 U	
1,2-Dichloroethane	0.468 U	0.278 U	0.297 U	0.222 U	
1,2-Dichloropropane	0.440 U	0.261 U	0.279 U	0.209 U	
1,2-Dichlorotetrafluoroethane	1.28 U	0.758 U	0.811 U	0.607 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.495 U	0.327 J	0.314 U	0.235 U	
1,3-Butadiene	0.157 U	0.0931 U	0.0995 U	0.0745 U	
1,3-Dichlorobenzene	0.752 U	0.446 U	0.477 U	0.357 U	
1,4-Dichlorobenzene	0.898 J	0.399 J	0.427 U	0.320 U	
1,4-Dioxane (P-Dioxane)	0.558 U	0.331 U	0.354 U	0.265 U	
2-Hexanone	0.313 U	0.363 J	0.826 U	0.218 J	
4-Ethyltoluene	0.697 U	0.544	0.466 J	0.331 U	
Acetone	25.0	5.13	5.46	4.31	
Allyl Chloride (3-Chloropropene)	0.444 U	0.263 U	0.282 U	0.211 U	
Benzene	0.590 U	0.637	0.492	0.651	
Benzyl Chloride	0.522 UJ	0.309 UJ	0.331 U	0.248 UJ	
Bromodichloromethane	0.425 U	0.252 U	0.270 U	0.202 U	
Bromoform	0.945 U	0.561 U	0.600 U	0.449 U	
Bromomethane	0.710 U	0.421 U	0.451 U	0.337 U	
Carbon Disulfide	1.80	0.324 U	0.347 U	0.259 U	
Carbon Tetrachloride	0.587 J	0.174 UJ	0.447	0.669 J	
Chlorobenzene	0.481 U	0.285 U	0.305 U	0.228 U	
Chloroethane	0.315 U	0.187 U	0.200 U	0.150 U	
Chloroform	1.55	0.497 U	0.532 U	0.398 U	
Chloromethane (Methyl Chloride)	0.189 U	1.69	0.954 J	1.65	
Cis-1,2-Dichloroethylene	0.185 U	0.132 U	0.117 U	0.141 U	
Cis-1,3-Dichloropropene	0.347 U	0.206 U	0.220 U	0.165 U	
Cyclohexane	0.552 U	0.328 U	0.350 U	0.262 U	
Dibromochloromethane	0.779 U	0.462 U	0.494 U	0.370 U	
Dichlorodifluoromethane	2.95	3.01	2.34	2.94	
Ethylbenzene	0.729 J	0.336 J	0.355 U	0.265 U	
Hexachlorobutadiene	1.69 U	1.00 U	1.07 U	0.803 U	
Isopropanol	1.61	1.39	1.37	1.42	
m,p-Xylene	2.35	0.817 J	0.735 U	0.616 J	
Methyl Ethyl Ketone (2-Butanone)	1.54	0.490	0.206 U	0.549	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.688 J	0.385 U	0.412 U	0.309 U	
Methylene Chloride	2.92	1.38	1.11	0.862	

**Table C-67 GC078 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC078			
	Location ID:	GC078-SV01	GC078-BA01	GC078-FA01	GC078-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	2/21/2024	2/21/2024	2/21/2024	2/21/2024
Naphthalene	0.949 U	2.09	0.602 U	0.604 J	
N-Heptane	0.329 U	0.195 U	0.291 J	0.156 U	
N-Hexane	0.526 U	0.312 J	0.334 U	0.281 J	
O-Xylene (1,2-Dimethylbenzene)	0.891	0.115 U	0.257 J	0.130 U	
Styrene	0.636 J	0.278 U	0.298 U	0.223 U	
Tert-Butyl Methyl Ether	0.653 U	0.387 U	0.414 U	0.310 U	
Tetrachloroethylene (PCE)	2.02	0.526 J	0.393 U	0.541 J	
Tetrahydrofuran	0.292 U	0.173 U	0.185 U	0.138 U	
Toluene	3.52	1.00	0.937	0.968	
Trans-1,2-Dichloroethene	0.584 U	0.347 U	0.371 U	0.278 U	
Trans-1,3-Dichloropropene	0.779 U	0.462 U	0.494 U	0.370 U	
Trichloroethylene (TCE)	0.401	0.297	0.159 U	0.190	
Trichlorofluoromethane	1.57	1.62	1.20	1.64	
Vinyl Bromide	0.784 U	0.465 U	0.497 U	0.372 U	
Vinyl Chloride	0.210 U	0.125 UJ	0.133 U	0.136 J	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-68 GC079 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC079		
	Location ID:	GC079-BA01	GC079-FA01	GC079-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	2/29/2024	2/29/2024	2/29/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.44 J	0.43 J	0.45 J	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	1.5	3.3	0.39 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.41 J	0.85 J	0.23 U	
1,3-Butadiene	0.086 U	0.086 U	0.086 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	0.67 J	0.79 J	0.54 U	
1,4-Dioxane (P-Dioxane)	0.40 J	0.30 U	0.30 U	
2-Hexanone	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	0.26 J	0.59 J	0.24 U	
Acetone	25	55	3.8 U	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	
Benzene	0.40 J	0.39 J	0.37 J	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	0.40 U	0.40 U	0.40 U	
Carbon Tetrachloride	0.44	0.64	0.42	
Chlorobenzene	0.20 U	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	
Chloroform	1.1	1.9	0.20 U	
Chloromethane (Methyl Chloride)	0.86 J	1.2	1.1	
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	
Cyclohexane	0.20 U	0.20 U	0.20 U	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	

**Table C-68 GC079 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC079		
	Location ID:	GC079-BA01	GC079-FA01	GC079-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	2/29/2024	2/29/2024	2/29/2024
Dichlorodifluoromethane	2.1 J	2.1 J	2.2 J	
Ethylbenzene	0.46 J	1.3	0.30 U	
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	
Isopropanol	3.9 U	3.9 U	3.9 U	
m,p-Xylene	1.9 J	5.0	0.41 U	
Methyl Ethyl Ketone (2-Butanone)	1.4 U	5.2	1.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.53 U	0.53 U	0.53 U	
Methylene Chloride	0.63 U	0.63 U	0.63 U	
Naphthalene	1.6 U	1.6 U	1.6 U	
N-Heptane	0.38 J	1.2	0.23 U	
N-Hexane	0.39 U	0.39 U	0.39 U	
O-Xylene (1,2-Dimethylbenzene)	0.63 J	1.5	0.27 U	
Styrene	7.7	3.9	0.25 U	
Tert-Butyl Methyl Ether	0.13 U	0.13 U	0.13 U	
Tetrachloroethylene (PCE)	0.25 J	0.58 J	0.14 U	
Tetrahydrofuran	3.8 U	7.7 J	3.8 U	
Toluene	1.3	7.9	0.45 J	
Trans-1,2-Dichloroethene	0.091 U	0.091 U	0.091 U	
Trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	
Trichloroethylene (TCE)	0.13 U	0.13 U	0.13 U	
Trichlorofluoromethane	1.1	1.1	1.2	
Vinyl Bromide	0.22 U	0.22 U	0.22 U	
Vinyl Chloride	0.054 U	0.054 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-69 GC080 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC080		
	Location ID:	GC080-BA01	GC080-FA01	GC080-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	3/28/2024	3/28/2024	3/28/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U	0.58 U	0.58 U
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U	0.71 U	0.71 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U	0.68 U	0.68 U
1,1,2-Trichloroethane	0.51 U	0.51 U	0.51 U	0.51 U
1,1-Dichloroethane	0.30 U	0.30 U	0.30 U	0.30 U
1,1-Dichloroethene	0.16 U	0.16 U	0.16 U	1.4
1,2,4-Trichlorobenzene	0.55 U	0.55 U	0.55 U	0.55 U
1,2,4-Trimethylbenzene	0.34 U	0.49 J	0.34 U	0.34 U
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	0.69 U	0.69 U	0.69 U	0.69 U
1,2-Dichloroethane	0.33 U	0.33 U	0.33 U	0.33 U
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U	0.67 U	0.67 U
1,3,5-Trimethylbenzene (Mesitylene)	0.35 U	0.35 U	0.35 U	0.35 U
1,3-Butadiene	0.17 U	0.17 U	0.17 U	0.17 U
1,3-Dichlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	0.60 J	4.9	0.42 U	0.42 U
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U	0.26 U	0.26 U
2-Hexanone	0.22 U	0.22 U	0.22 U	0.22 U
4-Ethyltoluene	0.39 U	0.39 U	0.39 U	0.39 U
Acetone	6.3 J	35 J	10 J	10 J
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U	0.24 U	0.24 U
Benzene	0.58	0.80	0.93	0.93
Benzyl Chloride	0.39 U	0.39 U	0.39 U	0.39 U
Bromodichloromethane	0.60 U	0.60 U	0.60 U	0.60 U
Bromoform	1.8 U	1.8 U	1.8 U	1.8 U
Bromomethane	0.29 U	0.29 U	0.29 U	0.29 U
Carbon Disulfide	0.28 U	0.40 J	0.28 U	0.28 U
Carbon Tetrachloride	0.11 U	0.11 U	0.11 U	0.11 U
Chlorobenzene	0.41 U	0.41 U	0.41 U	0.41 U
Chloroethane	0.27 U	0.27 U	0.27 U	0.27 U
Chloroform	0.45 U	1.0	0.45 U	0.45 U
Chloromethane (Methyl Chloride)	0.7	1.1	1.1	1.1
Cis-1,2-Dichloroethylene	0.099 U	0.099 U	0.099 U	0.099 U
Cis-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	0.33 U
Cyclohexane	0.25 U	0.25 U	0.25 U	0.25 U
Dibromochloromethane	0.90 U	0.90 U	0.90 U	0.90 U
Dichlorodifluoromethane	2.6	2.6	2.6	2.6

**Table C-69 GC080 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC080		
	Location ID:	GC080-BA01	GC080-FA01	GC080-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	3/28/2024	3/28/2024	3/28/2024
Ethylbenzene	0.25 U	0.25 U	0.43 J	
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	
Isopropanol	0.21 U	6.1 J	0.21 U	
m,p-Xylene	0.57 U	1.1 J	1.3 J	
Methyl Ethyl Ketone (2-Butanone)	0.77 J	1.4	1.0	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.27 U	0.27 U	0.27 U	
Methylene Chloride	1.9	1.6	2.3	
Naphthalene	0.40 U	0.40 U	0.40 U	
N-Heptane	0.41 J	1.1	0.94	
N-Hexane	0.42 J	0.70	1.2	
O-Xylene (1,2-Dimethylbenzene)	0.43 U	0.48 J	0.43 J	
Styrene	0.35 U	0.35 U	0.35 U	
Tert-Butyl Methyl Ether	0.31 U	0.31 U	0.31 U	
Tetrachloroethylene (PCE)	0.56 U	0.56 U	0.56 U	
Tetrahydrofuran	0.88	0.77	0.71	
Toluene	1.1	2.0	3.4	
Trans-1,2-Dichloroethene	0.27 U	0.27 U	0.27 U	
Trans-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	
Trichloroethylene (TCE)	0.16 U	0.16 U	0.16 U	
Trichlorofluoromethane	1.3	1.4	1.5	
Vinyl Bromide	0.36 U	0.36 U	0.36 U	
Vinyl Chloride	0.066 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-70 GC081 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC081				
	Location ID:	GC081-SV01	GC081-BA01	GC081-SV02	GC081-BA02	GC081-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	1/18/2024	1/18/2024	1/18/2024	1/18/2024	1/18/2024
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.82 U	0.20 U	0.82 U	0.20 U	0.20 U	
1,1,2,2-Tetrachloroethane	1.3 U	0.33 U	1.3 U	0.33 U	0.33 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.92 U	0.24 U	0.92 U	0.24 U	0.24 U	
1,1,2-Trichloroethane	0.82 U	0.21 U	0.82 U	0.21 U	0.21 U	
1,1-Dichloroethane	0.93 U	0.23 U	0.93 U	0.23 U	0.23 U	
1,1-Dichloroethene	0.95 U	0.23 U	0.95 U	0.23 U	0.23 U	
1,2,4-Trichlorobenzene	3.6 UJ	0.89 UJ	3.6 UJ	0.89 UJ	0.89 UJ	
1,2,4-Trimethylbenzene	1.7 U	0.43 U	1790	0.43 U	0.43 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.92 U	0.23 U	0.92 U	0.23 U	0.23 U	
1,2-Dichlorobenzene	1.7 U	0.41 U	1.7 U	0.41 U	0.41 U	
1,2-Dichloroethane	1.1 U	0.28 U	1.1 U	0.28 U	0.28 U	
1,2-Dichloropropane	1.2 U	0.29 U	1.2 U	0.29 U	0.29 U	
1,2-Dichlorotetrafluoroethane	1.4 U	0.35 U	1.4 U	0.35 U	0.35 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.6 U	0.39 U	811	0.39 U	0.39 U	
1,3-Butadiene	0.75 U	0.19 U	0.75 U	0.19 U	0.19 U	
1,3-Dichlorobenzene	0.96 U	0.24 U	0.96 U	0.24 U	0.24 U	
1,4-Dichlorobenzene	1.9 U	0.47 U	1.9 U	0.47 U	0.47 U	
1,4-Dioxane (P-Dioxane)	1.7 U	0.43 U	1.7 U	0.43 U	0.43 U	
2-Hexanone	2.4 U	0.61 U	2.4 U	0.61 U	0.61 U	
4-Ethyltoluene	1.9 U	0.47 U	496	0.47 U	0.47 U	
Acetone	44.9	15	302	14	7.4	
Allyl Chloride (3-Chloropropene)	1.0 U	0.26 U	1.0 U	0.26 U	0.26 U	
Benzene	0.31 U	0.93	1.4 J	0.86	0.96	
Benzyl Chloride	2.6 U	0.67 U	2.6 U	0.67 U	0.67 U	
Bromodichloromethane	0.80 U	0.20 U	0.80 U	0.20 U	0.20 U	
Bromoform	2.9 U	0.73 U	2.9 U	0.73 U	0.73 U	
Bromomethane	1.1 U	0.27 U	1.1 U	0.27 U	0.27 U	
Carbon Disulfide	3.4	0.14 U	257	0.14 U	0.14 U	
Carbon Tetrachloride	1.0 U	0.25 U	1.0 U	0.25 U	0.25 U	
Chlorobenzene	1.4 U	0.34 U	1.4 U	0.34 U	0.34 U	
Chloroethane	0.71 U	0.18 U	0.71 U	0.18 U	0.18 U	
Chloroform	5.4	0.18 U	0.73 U	0.18 U	0.18 U	
Chloromethane (Methyl Chloride)	0.74 U	0.78	0.74 U	0.85	1.0	
Cis-1,2-Dichloroethylene	0.48 U	0.12 U	0.48 U	0.12 U	0.12 U	
Cis-1,3-Dichloropropene	1.1 U	0.28 U	1.1 U	0.28 U	0.28 U	
Cyclohexane	0.62 U	0.15 U	2.7 J	0.15 U	0.15 U	
Dibromochloromethane	1.8 U	0.44 U	1.8 U	0.44 U	0.44 U	
Dichlorodifluoromethane	2.2 J	1.0	2.1 U	1.1	1.2	
Ethylbenzene	1.0 U	0.56 J	10	0.26 U	0.26 U	
Hexachlorobutadiene	2.7 UJ	0.66 U	2.7 UJ	0.66 UJ	0.66 UJ	
Isopropanol	3.9	4.9	8.1	5.2	2.0	
m,p-Xylene	2.4 U	1.8	26	1.2	0.61 U	
Methyl Ethyl Ketone (2-Butanone)	1.7 J	1.2	14	1.3	1.0	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.2 U	0.30 U	4.9	0.30 U	0.30 U	
Methylene Chloride	4.2	0.19 U	0.76 U	0.19 U	0.73	

**Table C-70 GC081 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC081				
	Location ID:	GC081-SV01	GC081-BA01	GC081-SV02	GC081-BA02	GC081-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	1/18/2024	1/18/2024	1/18/2024	1/18/2024	1/18/2024
Naphthalene	2.7 U	0.68 U	2.7 U	0.68 U	0.68 U	
N-Heptane	0.74 U	1.2	0.74 U	1.2	1.0	
N-Hexane	0.74 U	0.53 J	0.74 U	0.60 J	0.60 J	
O-Xylene (1,2-Dimethylbenzene)	1.3 U	0.52 J	19	0.42 J	0.33 U	
Styrene	0.89 U	0.23 U	0.89 U	0.23 U	0.23 U	
Tert-Butyl Methyl Ether	1.2 U	0.29 U	1.2 U	0.29 U	0.29 U	
Tetrachloroethylene (PCE)	6.1	0.33	2.0	0.30	0.095 U	
Tetrahydrofuran	1.1 U	0.27 U	3.2	0.29 J	0.27 U	
Toluene	6.8	3.3	33	2.5	1.7	
Trans-1,2-Dichloroethene	0.44 U	0.11 U	0.44 U	0.11 U	0.11 U	
Trans-1,3-Dichloropropene	1.8 U	0.45 U	1.8 U	0.45 U	0.45 U	
Trichloroethylene (TCE)	0.41 U	0.10 U	0.41 U	0.10 U	0.10 U	
Trichlorofluoromethane	3.5 U	1.0	3.5 U	0.96	1.1	
Vinyl Bromide	1.0 U	0.27 U	1.0 U	0.27 U	0.27 U	
Vinyl Chloride	0.72 U	0.18 U	0.72 U	0.18 U	0.18 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-70 GC081 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC081			
	Location ID:	GC081-SV01	GC081-SV02	GC081-BA01	GC081-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	3/28/2024	3/28/2024	3/28/2024	3/28/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	7.79 U	7.25 U	0.532 U	0.373 U	
1,1,2,2-Tetrachloroethane	5.60 U	5.21 U	0.382 U	0.268 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	12.5 U	11.6 U	0.853 U	0.598 U	
1,1,2-Trichloroethane	3.99 U	3.71 U	0.272 U	0.191 U	
1,1-Dichloroethane	5.71 U	5.31 U	0.390 U	0.273 U	
1,1-Dichloroethene	1.69 U	1.57 U	0.115 U	0.0806 U	
1,2,4-Trichlorobenzene	9.97 UJ	9.27 UJ	0.680 UJ	0.477 UJ	
1,2,4-Trimethylbenzene	5.01 U	58.3	1.37	0.240 U	
1,2-Dibromoethane (Ethylene Dibromide)	5.22 U	4.86 U	0.357 U	0.250 U	
1,2-Dichlorobenzene	6.64 U	6.18 U	0.453 U	0.318 U	
1,2-Dichloroethane	4.27 U	3.97 U	0.291 U	0.204 U	
1,2-Dichloropropane	4.01 U	3.73 UJ	0.273 UJ	0.192 UJ	
1,2-Dichlorotetrafluoroethane	11.6 UJ	10.8 UJ	0.795 UJ	0.557 UJ	
1,3,5-Trimethylbenzene (Mesitylene)	4.51 U	27.2	0.627	0.216 U	
1,3-Butadiene	14.7	33.2 J	0.0975 UJ	0.0683 UJ	
1,3-Dichlorobenzene	6.85 U	6.37 U	0.467 U	0.327 U	
1,4-Dichlorobenzene	6.13 U	5.70 U	0.418 U	0.293 U	
1,4-Dioxane (P-Dioxane)	5.08 U	18.8	0.347 U	0.243 U	
2-Hexanone	2.86 U	2.66 UJ	0.380 J	0.433 J	
4-Ethyltoluene	6.35 U	72.3	1.65	0.304 U	
Acetone	1930 J	2530 J	115 J	5.56 J	
Allyl Chloride (3-Chloropropene)	4.04 U	3.76 U	0.276 U	0.193 U	
Benzene	5.38 U	6.57	0.593	0.493	
Benzyl Chloride	4.75 U	4.42 U	0.324 U	0.227 U	
Bromodichloromethane	3.87 U	3.60 U	0.264 U	0.185 U	
Bromoform	8.61 U	8.01 U	0.588 U	0.412 U	
Bromomethane	6.47 U	6.02 U	0.441 U	0.309 U	
Carbon Disulfide	6.88	76.3	0.340 U	0.238 U	
Carbon Tetrachloride	2.67 U	2.49 U	0.438	0.460	
Chlorobenzene	4.38 U	4.08 U	0.299 U	0.210 U	
Chloroethane	2.87 U	2.67 U	0.196 U	0.137 U	
Chloroform	7.64 U	7.10 U	0.521 U	0.365 U	
Chloromethane (Methyl Chloride)	1.72 U	1.60 UJ	1.72 J	1.70 J	
Cis-1,2-Dichloroethylene	1.69 U	1.57 U	0.115 U	0.0806 U	
Cis-1,3-Dichloropropene	3.16 U	2.94 UJ	0.216 UJ	0.151 UJ	
Cyclohexane	5.03 U	4.68 U	0.343 U	0.241 U	
Dibromochloromethane	7.10 U	6.60 U	0.484 U	0.339 U	
Dichlorodifluoromethane	7.57 U	7.04 U	2.18	2.17	
Ethylbenzene	5.09 U	5.49 J	0.554	0.244 U	
Hexachlorobutadiene	15.4 U	14.3 UJ	1.05 UJ	0.737 UJ	
Isopropanol	25.9	51.3	21.9	2.40	
m,p-Xylene	10.6 U	14.4	2.32	0.706	
Methyl Ethyl Ketone (2-Butanone)	2.96 U	10.3 J	1.06 J	0.911 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	16.7 J	5.51 UJ	0.404 UJ	0.283 UJ	
Methylene Chloride	4.13 U	3.84 U	0.564 J	0.508 J	

**Table C-70 GC081 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC081			
	Location ID:	GC081-SV01	GC081-SV02	GC081-BA01	GC081-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	3/28/2024	3/28/2024	3/28/2024	3/28/2024
Naphthalene	8.64 UJ	8.04 UJ	0.590 UJ	0.413 UJ	
N-Heptane	3.00 U	14.3	0.618	0.500	
N-Hexane	4.79 U	4.46 U	0.572	1.26	
O-Xylene (1,2-Dimethylbenzene)	2.21 J	6.18 J	0.806	0.318 J	
Styrene	16.7	213	0.544	0.204 U	
Tert-Butyl Methyl Ether	5.95 U	5.53 U	0.406 U	0.284 U	
Tetrachloroethylene (PCE)	5.77 J	5.25 U	0.386 U	0.270 U	
Tetrahydrofuran	2.66 U	4.66 J	0.181 U	0.432 J	
Toluene	5.13 J	17.3	2.10	0.705	
Trans-1,2-Dichloroethene	5.32 U	4.95 U	0.363 U	0.255 U	
Trans-1,3-Dichloropropene	7.10 UJ	6.60 UJ	0.484 UJ	0.339 UJ	
Trichloroethylene (TCE)	2.28 U	2.12 U	0.156 U	0.175	
Trichlorofluoromethane	7.26 U	6.75 U	1.30	1.28	
Vinyl Bromide	7.14 U	6.64 U	0.487 U	0.341 U	
Vinyl Chloride	1.91 UJ	1.78 UJ	0.130 UJ	0.0914 UJ	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-71 GC082 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC082			
	Location ID:	GC082-SV01	GC082-BA01	GC082-FA01	GC082-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	1/15/2024	1/15/2024	1/15/2024	1/15/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.82 U	0.20 U	0.20 U	0.20 U	
1,1,2,2-Tetrachloroethane	1.3 U	0.33 U	0.33 U	0.33 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.92 U	0.24 U	0.24 U	0.24 U	
1,1,2-Trichloroethane	0.82 U	0.21 U	0.21 U	0.21 U	
1,1-Dichloroethane	0.93 U	0.23 U	0.23 U	0.23 U	
1,1-Dichloroethene	0.95 U	0.23 U	0.23 U	0.23 U	
1,2,4-Trichlorobenzene	3.6 U	0.89 U	0.89 U	0.89 U	
1,2,4-Trimethylbenzene	1.7 U	12	0.43 U	0.43 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.92 U	0.23 U	0.23 U	0.23 U	
1,2-Dichlorobenzene	1.7 U	0.41 U	0.41 U	0.41 U	
1,2-Dichloroethane	1.1 U	0.28 U	0.28 U	0.28 U	
1,2-Dichloropropane	1.2 U	0.29 U	0.29 U	0.29 U	
1,2-Dichlorotetrafluoroethane	1.4 U	0.35 U	0.35 U	0.35 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.6 U	2.9	0.39 U	0.39 U	
1,3-Butadiene	0.75 U	0.19 U	0.19 U	0.19 U	
1,3-Dichlorobenzene	0.96 U	0.24 U	0.24 U	0.24 U	
1,4-Dichlorobenzene	1.9 U	0.47 U	0.47 U	0.47 U	
1,4-Dioxane (P-Dioxane)	1.7 U	0.43 U	0.43 U	0.43 U	
2-Hexanone	2.4 U	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	1.9 U	2.7	0.47 U	0.47 U	
Acetone	18	9.5	5.7	5.0	
Allyl Chloride (3-Chloropropene)	1.0 U	0.26 U	0.26 U	0.26 U	
Benzene	0.31 U	1.0	0.96	0.89	
Benzyl Chloride	2.6 U	0.67 U	0.67 U	0.67 U	
Bromodichloromethane	0.80 U	0.20 U	0.20 U	0.20 U	
Bromoform	2.9 U	0.73 U	0.73 U	0.73 U	
Bromomethane	1.1 U	0.27 U	0.27 U	0.27 U	
Carbon Disulfide	4.0	0.14 U	0.14 U	0.14 U	
Carbon Tetrachloride	1.0 U	0.25 U	0.25 U	0.25 U	
Chlorobenzene	1.4 U	0.34 U	0.34 U	0.34 U	
Chloroethane	0.71 U	0.18 U	0.18 U	0.18 U	
Chloroform	0.73 U	0.18 U	0.18 U	0.18 U	
Chloromethane (Methyl Chloride)	0.74 U	0.97	1.0	1.1	
Cis-1,2-Dichloroethylene	0.48 U	0.12 U	0.12 U	0.12 U	
Cis-1,3-Dichloropropene	1.1 U	0.28 U	0.28 U	0.28 U	
Cyclohexane	0.62 U	0.76	0.15 U	0.15 U	
Dibromochloromethane	1.8 U	0.44 U	0.44 U	0.44 U	
Dichlorodifluoromethane	2.1 J	1.1	1.2	1.2	
Ethylbenzene	1.0 U	2.3	0.26 U	0.26 U	
Hexachlorobutadiene	2.7 U	0.66 U	0.66 U	0.66 U	
Isopropanol	1.6 J	2.7	1.3	1.4	
M,P-Xylene (Sum Of Isomers)	2.4 U	10	0.61 U	0.61 U	
Methyl Ethyl Ketone (2-Butanone)	1.5 J	2.3	0.56 J	0.44 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.2 U	0.30 U	0.30 U	0.30 U	
Methylene Chloride	2.7 J	0.56 J	0.63 J	0.63 J	

**Table C-71 GC082 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC082			
	Location ID:	GC082-SV01	GC082-BA01	GC082-FA01	GC082-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	1/15/2024	1/15/2024	1/15/2024	1/15/2024
Naphthalene	2.7 U	0.84 J	0.68 U	0.68 U	
N-Heptane	0.74 U	1.4	0.49 J	0.61 J	
N-Hexane	0.74 U	0.95	0.49 J	0.42 J	
O-Xylene (1,2-Dimethylbenzene)	1.3 U	4.3	0.33 U	0.33 U	

**Table C-71 GC082 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC082			
	Location ID:	GC082-SV01	GC082-BA01	GC082-FA01	GC082-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	1/15/2024	1/15/2024	1/15/2024	1/15/2024
Styrene	0.89 U	0.23 U	0.23 U	0.23 U	
Tert-Butyl Methyl Ether	1.2 U	0.29 U	0.29 U	0.29 U	
Tetrachloroethylene (PCE)	82.1	0.88	0.095 U	0.095 U	
Tetrahydrofuran	1.1 U	0.53 J	0.27 U	0.27 U	
Toluene	3.2	3.2	1.2	1.1	
Trans-1,2-Dichloroethene	0.44 U	0.11 U	0.11 U	0.11 U	
Trans-1,3-Dichloropropene	1.8 U	0.45 U	0.45 U	0.45 U	
Trichloroethylene (TCE)	0.86	0.10 U	0.10 U	0.10 U	
Trichlorofluoromethane	3.5 U	1.2	1.0	1.1	
Vinyl Bromide	1.0 U	0.27 U	0.27 U	0.27 U	
Vinyl Chloride	0.72 U	0.18 U	0.18 U	0.18 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-72 GC084 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC084		
	Location ID:	GC084-SV01	GC084-BA01	GC084-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	1/15/2024	1/15/2024	1/15/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.82 J	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.32 J	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.47 J	0.47 J	0.45 J	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	2.2	0.39 U	0.39 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.73 J	0.23 U	0.23 U	
1,3-Butadiene	0.086 U	0.086 U	0.086 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	0.77 J	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.30 U	
2-Hexanone	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	0.33 J	0.24 U	0.24 U	
Acetone	39	10 J	11 J	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	
Benzene	0.37 J	0.84	0.70	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	1.8	0.40 U	0.40 U	
Carbon Tetrachloride	0.26	0.40	0.41	
Chlorobenzene	0.20 U	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	
Chloroform	1.1	0.20 U	0.20 U	
Chloromethane (Methyl Chloride)	0.31 U	0.76 J	0.73 J	
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	
Cyclohexane	0.59 J	1.9	0.20 U	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	2.1 J	2.5	2.0 J	
Ethylbenzene	0.81 J	0.30 U	0.30 U	

**Table C-72 GC084 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC084		
	Location ID:	GC084-SV01	GC084-BA01	GC084-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	1/15/2024	1/15/2024	1/15/2024
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	
Isopropanol	4.4 J	3.9 U	3.9 U	
m,p-Xylene	2.6	0.81 J	0.59 J	
Methyl Ethyl Ketone (2-Butanone)	2.5	1.4 U	1.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.77 J	0.53 U	0.53 U	
Methylene Chloride	1.5 J	85	0.63 U	
Naphthalene	1.6 U	1.6 U	1.6 U	
N-Heptane	1.0	1.3	0.32 J	
N-Hexane	0.58 J	1.3 J	0.39 J	
O-Xylene (1,2-Dimethylbenzene)	1.1	0.27 U	0.27 U	
Styrene	1.3	0.25 U	0.25 U	
Tert-Butyl Methyl Ether	0.13 U	0.13 U	0.13 U	
Tetrachloroethylene (PCE)	36	0.37 J	0.14 U	
Tetrahydrofuran	3.8 U	3.8 U	3.8 U	
Toluene	6.7	1.7	1.3	
Trans-1,2-Dichloroethene	0.091 U	0.091 U	0.091 U	
Trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	
Trichloroethylene (TCE)	0.74	0.63	0.13 U	
Trichlorofluoromethane	1.1	1.1	1.1	
Vinyl Bromide	0.22 U	0.22 U	0.22 U	
Vinyl Chloride	0.054 U	0.054 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-73 GC085 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC085		
	Location ID:	GC085-SV01	GC085-BA01	GC085-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	2/8/2024	2/8/2024	2/8/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.82 U	0.20 U	0.20 U	
1,1,2,2-Tetrachloroethane	1.3 U	0.33 U	0.33 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.92 U	0.24 U	0.24 U	
1,1,2-Trichloroethane	0.82 U	0.21 U	0.21 U	
1,1-Dichloroethane	0.93 U	0.23 U	0.23 U	
1,1-Dichloroethene	0.95 U	0.23 U	0.23 U	
1,2,4-Trichlorobenzene	3.6 U	0.89 U	0.89 U	
1,2,4-Trimethylbenzene	1.7 U	0.43 U	0.43 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.92 U	0.23 U	0.23 U	
1,2-Dichlorobenzene	1.7 U	0.41 U	0.41 U	
1,2-Dichloroethane	1.1 U	0.28 U	0.28 U	
1,2-Dichloropropane	1.2 U	0.29 U	0.29 U	
1,2-Dichlorotetrafluoroethane	1.4 U	0.35 U	0.35 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.6 U	0.39 U	0.39 U	
1,3-Butadiene	0.75 U	0.19 U	0.19 U	
1,3-Dichlorobenzene	0.96 U	0.24 U	0.24 U	
1,4-Dichlorobenzene	1.9 U	0.47 U	0.47 U	
1,4-Dioxane (P-Dioxane)	1.7 U	0.43 U	0.43 U	
2-Hexanone	2.4 U	0.61 U	0.61 U	
4-Ethyltoluene	1.9 U	0.47 U	0.47 U	
Acetone	21	8.8	5.5	
Allyl Chloride (3-Chloropropene)	1.0 U	0.26 U	0.26 U	
Benzene	0.31 U	0.80	0.77	
Benzyl Chloride	2.6 UJ	0.67 UJ	0.67 UJ	
Bromodichloromethane	0.80 U	0.20 U	0.20 U	
Bromoform	2.9 U	0.73 U	0.73 U	
Bromomethane	1.1 U	0.27 U	0.27 U	
Carbon Disulfide	2.3 J	0.14 U	0.14 U	
Carbon Tetrachloride	1.0 U	0.25 U	0.25 U	
Chlorobenzene	1.4 U	0.34 U	0.34 U	
Chloroethane	0.71 U	0.18 U	0.18 U	
Chloroform	5.4	0.83 J	0.18 U	
Chloromethane (Methyl Chloride)	0.74 U	0.95	0.91	
Cis-1,2-Dichloroethylene	0.48 U	0.12 U	0.12 U	
Cis-1,3-Dichloropropene	1.1 U	0.28 U	0.28 U	
Cyclohexane	0.62 U	0.15 U	0.15 U	
Dibromochloromethane	1.8 U	0.44 U	0.44 U	
Dichlorodifluoromethane	2.3 J	1.1	1.1	

**Table C-73 GC085 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC085		
	Location ID:	GC085-SV01	GC085-BA01	GC085-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	2/8/2024	2/8/2024	2/8/2024
Ethylbenzene	1.0 U	0.26 U	0.26 U	
Hexachlorobutadiene	2.7 U	0.66 U	0.66 U	
Isopropanol	2.3	2.9	1.7	
M,P-Xylene (Sum Of Isomers)	2.4 U	0.83 J	0.61 U	
Methyl Ethyl Ketone (2-Butanone)	2.7	0.71	0.65	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.2 U	0.30 U	0.30 U	
Methylene Chloride	4.2	0.69	0.76	
Naphthalene	2.7 U	0.68 U	0.68 U	
N-Heptane	0.74 U	0.49 J	0.18 U	
N-Hexane	0.74 U	0.46 J	0.53 J	
O-Xylene (1,2-Dimethylbenzene)	1.3 U	0.33 U	0.33 U	
Styrene	0.89 U	0.23 U	0.23 U	
Tert-Butyl Methyl Ether	1.2 U	0.29 U	0.29 U	
Tetrachloroethylene (PCE)	14	0.68	0.63	
Tetrahydrofuran	1.1 U	0.27 U	0.27 U	
Toluene	3.6	1.4	1.2	
Trans-1,2-Dichloroethene	0.44 U	0.11 U	0.11 U	
Trans-1,3-Dichloropropene	1.8 U	0.45 U	0.45 U	
Trichloroethylene (TCE)	0.41 U	0.10 U	0.10 U	
Trichlorofluoromethane	3.5 U	1.2	1.1	
Vinyl Bromide	1.0 U	0.27 U	0.27 U	
Vinyl Chloride	0.72 U	0.18 U	0.18 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-74 GC086 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC086			
	Location ID:	GC086-SV01	GC086-BA01	GC086-FA01	GC086-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	2/8/2024	2/8/2024	2/8/2024	2/8/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.82 U	0.20 U	0.20 U	0.20 U	
1,1,2,2-Tetrachloroethane	1.3 U	0.33 U	0.33 U	0.33 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.92 U	0.24 U	0.24 U	0.24 U	
1,1,2-Trichloroethane	0.82 U	0.21 U	0.21 U	0.21 U	
1,1-Dichloroethane	0.93 U	0.23 U	0.23 U	0.23 U	
1,1-Dichloroethene	0.95 U	0.23 U	0.23 U	0.23 U	
1,2,4-Trichlorobenzene	3.6 UJ	0.89 UJ	0.89 UJ	0.89 UJ	
1,2,4-Trimethylbenzene	1.7 U	0.43 U	0.69 J	0.43 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.92 U	0.23 U	0.23 U	0.23 U	
1,2-Dichlorobenzene	1.7 U	0.41 U	0.41 U	0.41 U	
1,2-Dichloroethane	1.1 U	0.28 U	0.28 U	0.28 U	
1,2-Dichloropropane	1.2 U	0.29 U	0.29 U	0.29 U	
1,2-Dichlorotetrafluoroethane	1.4 U	0.35 U	0.35 U	0.35 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.6 U	0.39 U	0.39 U	0.39 U	
1,3-Butadiene	0.75 U	0.19 U	0.19 U	0.19 U	
1,3-Dichlorobenzene	0.96 U	0.24 U	0.24 U	0.24 U	
1,4-Dichlorobenzene	1.9 U	0.47 U	0.47 U	0.47 U	
1,4-Dioxane (P-Dioxane)	1.7 U	0.43 U	0.43 U	0.43 U	
2-Hexanone	2.4 U	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	1.9 U	0.47 U	0.47 U	0.47 U	
Acetone	56.3	11	14	11	
Allyl Chloride (3-Chloropropene)	1.0 U	0.26 U	0.26 U	0.26 U	
Benzene	0.31 U	0.99	0.96	1.0	
Benzyl Chloride	2.6 U	0.67 U	0.67 U	0.67 U	
Bromodichloromethane	0.80 U	0.20 U	0.20 U	0.20 U	
Bromoform	2.9 UJ	0.73 UJ	0.73 UJ	0.73 UJ	
Bromomethane	1.1 U	0.27 U	0.27 U	0.27 U	
Carbon Disulfide	6.9	0.14 U	0.14 U	0.14 U	
Carbon Tetrachloride	1.0 U	0.25 U	0.25 U	0.25 U	
Chlorobenzene	1.4 U	0.34 U	0.34 U	0.34 U	
Chloroethane	0.71 U	0.18 U	0.18 U	0.18 U	
Chloroform	3.5 J	1.1	1.4	0.18 U	
Chloromethane (Methyl Chloride)	0.74 U	1.1	1.2	1.2	
Cis-1,2-Dichloroethylene	0.48 U	0.12 U	0.12 U	0.12 U	
Cis-1,3-Dichloropropene	1.1 U	0.28 U	0.28 U	0.28 U	
Cyclohexane	0.62 U	0.15 U	0.15 U	0.15 U	
Dibromochloromethane	1.8 U	0.44 U	0.44 U	0.44 U	
Dichlorodifluoromethane	2.8 J	2.5	2.3	2.3	
Ethylbenzene	1.0 U	0.48 J	0.52 J	0.26 U	
Hexachlorobutadiene	2.7 U	0.66 U	0.66 U	0.66 U	
Isopropanol	6.9	3.9	3.4	2.7	
M,P-Xylene (Sum Of Isomers)	3.0 J	1.6	1.4	0.69 J	
Methyl Ethyl Ketone (2-Butanone)	5.9	1.2	1.1	2.3	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.2 U	0.30 U	0.30 U	0.30 U	
Methylene Chloride	2.2 J	0.66 J	0.52 J	1.3	

**Table C-74 GC086 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC086			
	Location ID:	GC086-SV01	GC086-BA01	GC086-FA01	GC086-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	2/8/2024	2/8/2024	2/8/2024	2/8/2024
Naphthalene	2.7 UJ	0.68 UJ	0.68 UJ	0.68 UJ	
N-Heptane	0.74 U	0.94	0.70 J	0.53 J	
N-Hexane	0.74 U	0.63 J	0.46 J	0.70	
O-Xylene (1,2-Dimethylbenzene)	1.3 U	0.69 J	0.61 J	0.33 U	
Styrene	0.89 U	0.23 U	0.23 U	0.23 U	
Tert-Butyl Methyl Ether	1.2 U	0.29 U	0.29 U	0.29 U	
Tetrachloroethylene (PCE)	2.9	0.40	0.30	0.41	
Tetrahydrofuran	1.1 U	0.27 U	0.27 U	0.27 U	
Toluene	9.8	1.7	1.7	1.5	
Trans-1,2-Dichloroethene	0.44 U	0.11 U	0.11 U	0.11 U	
Trans-1,3-Dichloropropene	1.8 U	0.45 U	0.45 U	0.45 U	
Trichloroethylene (TCE)	0.41 U	0.10 U	0.10 U	0.10 U	
Trichlorofluoromethane	3.5 U	1.5	1.3	1.4	
Vinyl Bromide	1.0 U	0.27 U	0.27 U	0.27 U	
Vinyl Chloride	0.72 U	0.18 U	0.18 U	0.18 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-75 GC087 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC087			
	Location ID:	GC087-BA01	GC087-BA02	GC087-FA02	GC087-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Basement Air	First Floor Air	Outdoor Air
	Date:	3/21/2024	3/21/2024	3/21/2024	3/21/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.43 J	0.42 J	0.48 J	0.43 J	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	0.39 J	0.39 U	0.39 U	0.39 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.23 U	0.23 U	0.23 U	0.23 U	
1,3-Butadiene	0.086 U	0.086 U	0.086 U	0.086 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	0.54 U	0.54 U	0.89 J	0.54 U	
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.30 U	0.30 U	
2-Hexanone	0.61 UJ	0.61 UJ	0.61 UJ	0.61 UJ	
4-Ethyltoluene	0.24 U	0.24 U	0.24 U	0.24 U	
Acetone	8.3 J	5.0 J	17	14	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	0.38 U	
Benzene	0.39 J	0.35 J	0.45 J	0.38 J	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	0.44 J	0.40 U	0.40 U	0.40 U	
Carbon Tetrachloride	0.42	0.45	0.42	0.36	
Chlorobenzene	0.20 U	0.20 U	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	0.47 U	
Chloroform	1.2	0.68 J	0.51 J	0.20 U	
Chloromethane (Methyl Chloride)	1.2	1.1	1.3	1.2	
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	
Cyclohexane	0.20 U	0.20 U	0.20 U	0.37 J	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	2.3 J	2.3 J	4.6	2.8	
Ethylbenzene	0.30 U	0.30 U	0.30 U	0.30 U	
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	1.2 U	
Isopropanol	3.9 U	3.9 U	11 J	4.3 J	
m,p-Xylene	0.57 J	0.47 J	0.61 J	0.82 J	
Methyl Ethyl Ketone (2-Butanone)	1.4 U	1.4 U	1.4 U	1.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.53 U	0.53 U	0.53 U	0.53 U	
Methylene Chloride	1.6 J	1.7	1.5 J	3.0	

**Table C-75 GC087 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC087			
	Location ID:	GC087-BA01	GC087-BA02	GC087-FA02	GC087-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Basement Air	First Floor Air	Outdoor Air
	Date:	3/21/2024	3/21/2024	3/21/2024	3/21/2024
Naphthalene	1.6 U	1.6 U	1.6 U	1.6 U	
N-Heptane	0.32 J	0.23 U	0.46 J	0.47 J	
N-Hexane	0.39 U	0.39 U	0.47 J	0.56 J	
O-Xylene (1,2-Dimethylbenzene)	0.27 U	0.27 U	0.27 U	0.30 J	
Styrene	0.25 U	0.25 U	0.25 U	0.25 U	
Tert-Butyl Methyl Ether	0.13 U	0.13 U	0.13 U	0.13 U	
Tetrachloroethylene (PCE)	7.1	3.6	0.17 J	0.36 J	
Tetrahydrofuran	3.8 U	3.8 U	3.8 U	3.8 U	
Toluene	1.8	1.2	1.5	2.9	
Trans-1,2-Dichloroethene	0.091 U	0.091 U	0.091 U	0.091 U	
Trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	0.25 U	
Trichloroethylene (TCE)	0.13 U	0.13 U	0.13 U	0.13 U	
Trichlorofluoromethane	1.2	1.2	1.3	1.4	
Vinyl Bromide	0.22 U	0.22 U	0.22 U	0.22 U	
Vinyl Chloride	0.054 U	0.054 U	0.054 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-76 GC088 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC088				
	Location ID:	GC088-SV01	GC088-BA01	GC088-BA01	GC088-FA01	GC088-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	First Floor Air	Outdoor Air
	Date:	2/6/2024	2/6/2024	2/6/2024	2/6/2024	2/6/2024
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.82 U	0.20 U	0.20 U	0.20 U	0.20 U	
1,1,2,2-Tetrachloroethane	1.3 U	0.33 U	0.33 U	0.33 U	0.33 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.92 U	0.24 U	0.24 U	0.24 U	0.24 U	
1,1,2-Trichloroethane	0.82 U	0.21 U	0.21 U	0.21 U	0.21 U	
1,1-Dichloroethane	0.93 U	0.23 U	0.23 U	0.23 U	0.23 U	
1,1-Dichloroethene	0.95 U	0.23 U	0.23 U	0.23 U	0.23 U	
1,2,4-Trichlorobenzene	3.6 UJ	0.89 UJ	0.89 UJ	0.89 UJ	0.89 UJ	
1,2,4-Trimethylbenzene	7.9	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.92 U	0.23 U	0.23 U	0.23 U	0.23 U	
1,2-Dichlorobenzene	1.7 U	0.41 U	0.41 U	0.41 U	0.41 U	
1,2-Dichloroethane	1.1 U	0.28 U	0.28 U	0.28 U	0.28 U	
1,2-Dichloropropane	1.2 U	0.29 U	0.29 U	0.29 U	0.29 U	
1,2-Dichlorotetrafluoroethane	1.4 U	0.35 U	0.35 U	0.35 U	0.35 U	
1,3,5-Trimethylbenzene (Mesitylene)	2.6 J	0.39 U	0.39 U	0.39 U	0.39 U	
1,3-Butadiene	0.75 U	0.19 U	0.19 U	0.19 U	0.19 U	
1,3-Dichlorobenzene	0.96 U	0.24 U	0.24 U	0.24 U	0.24 U	
1,4-Dichlorobenzene	1.9 U	0.47 U	0.47 U	0.47 U	0.47 U	
1,4-Dioxane (P-Dioxane)	1.7 U	0.43 U	0.43 U	0.43 U	0.43 U	
2-Hexanone	2.4 U	0.61 U	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	2.3 J	0.47 U	0.47 U	0.47 U	0.47 U	
Acetone	35.2	5.9	5.5	8.8	3.6	
Allyl Chloride (3-Chloropropene)	1.0 U	0.26 U	0.26 U	0.26 U	0.26 U	
Benzene	0.31 U	0.80	0.77	0.80	0.80	
Benzyl Chloride	2.6 U	0.67 U	0.67 U	0.67 U	0.67 U	
Bromodichloromethane	0.80 U	0.20 U	0.20 U	0.20 U	0.20 U	
Bromoform	2.9 UJ	0.73 UJ	0.73 UJ	0.73 UJ	0.73 UJ	
Bromomethane	1.1 U	0.27 U	0.27 U	0.27 U	0.27 U	
Carbon Disulfide	3.7	0.14 U	0.14 U	0.14 U	0.14 U	
Carbon Tetrachloride	1.0 U	0.25 U	0.25 U	0.25 U	0.25 U	
Chlorobenzene	1.4 U	0.34 U	0.34 U	0.34 U	0.34 U	
Chloroethane	0.71 U	0.18 U	0.18 U	0.18 U	0.18 U	
Chloroform	0.73 U	0.54 J	0.47 J	0.59 J	0.18 U	
Chloromethane (Methyl Chloride)	0.74 U	1.0	1.1	1.1	1.1	
Cis-1,2-Dichloroethylene	0.48 U	0.12 U	0.12 U	0.12 U	0.12 U	
Cis-1,3-Dichloropropene	1.1 U	0.28 U	0.28 U	0.28 U	0.28 U	
Cyclohexane	0.62 U	0.15 U	0.15 U	0.15 U	0.15 U	
Dibromochloromethane	1.8 U	0.44 U	0.44 U	0.44 U	0.44 U	
Dichlorodifluoromethane	2.4 J	2.3	2.3	2.3	2.3	
Ethylbenzene	3.3 J	0.26 U	0.26 U	0.26 U	0.26 U	
Hexachlorobutadiene	2.7 U	0.66 U	0.66 U	0.66 U	0.66 U	
Isopropanol	1.4 U	2.3	2.7	5.2	1.8	
M,P-Xylene (Sum Of Isomers)	4.3	0.61 U	0.61 U	0.61 U	0.61 U	
Methyl Ethyl Ketone (2-Butanone)	3.5	0.65	0.71	0.68	0.32 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2.5 J	0.30 U	0.30 U	0.30 U	0.30 U	
Methylene Chloride	3.8	1.0	1.1	0.76	0.19 U	
Naphthalene	2.7 UJ	0.68 UJ	0.68 UJ	0.68 UJ	0.68 UJ	
N-Heptane	8.2	0.61 J	0.61 J	0.82	0.61 J	
N-Hexane	0.74 U	0.49 J	0.53 J	0.46 J	0.39 J	

**Table C-76 GC088 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC088				
	Location ID:	GC088-SV01	GC088-BA01	GC088-BA01	GC088-FA01	GC088-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	First Floor Air	Outdoor Air
	Date:	2/6/2024	2/6/2024	2/6/2024	2/6/2024	2/6/2024
O-Xylene (1,2-Dimethylbenzene)	2.2 J	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Styrene	147	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Tert-Butyl Methyl Ether	1.2 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Tetrachloroethylene (PCE)	12	0.31	0.27	0.28	0.27	0.27
Tetrahydrofuran	1.1 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Toluene	7.2	1.2	1.1	1.2	1.0	1.0
Trans-1,2-Dichloroethene	0.44 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Trans-1,3-Dichloropropene	1.8 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Trichloroethylene (TCE)	0.41 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Trichlorofluoromethane	4.4	4.2	3.9	2.6	1.3	1.3
Vinyl Bromide	1.0 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Vinyl Chloride	0.72 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-77 GC089 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC089		
	Location ID:	GC089-SV01	GC089-BA01	GC089-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	1/23/2024	1/23/2024	1/23/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	1.71 U	0.421 U	0.389 U	
1,1,2,2-Tetrachloroethane	1.23 U	0.303 U	0.279 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	2.75 U	0.676 U	0.624 U	
1,1,2-Trichloroethane	0.878 U	0.216 U	0.199 U	
1,1-Dichloroethane	1.26 U	0.309 U	0.285 U	
1,1-Dichloroethene	0.371 U	0.0911 U	0.0841 U	
1,2,4-Trichlorobenzene	2.19 UJ	0.539 UJ	0.497 UJ	
1,2,4-Trimethylbenzene	3.49 J-	0.723 J-	0.667 J-	
1,2-Dibromoethane (Ethylene Dibromide)	1.15 U	0.282 U	0.261 U	
1,2-Dichlorobenzene	1.46 U	0.359 U	0.331 U	
1,2-Dichloroethane	0.938 U	0.231 U	0.213 U	
1,2-Dichloropropane	0.881 U	0.217 U	0.200 U	
1,2-Dichlorotetrafluoroethane	2.56 U	0.630 UJ	0.581 U	
1,3,5-Trimethylbenzene (Mesitylene)	2.21 J-	0.271 J-	0.225 U	
1,3-Butadiene	0.314 UJ	0.0773 UJ	0.0713 UJ	
1,3-Dichlorobenzene	1.51 U	0.370 U	0.342 U	
1,4-Dichlorobenzene	1.35 J-	0.332 U	0.306 U	
1,4-Dioxane (P-Dioxane)	1.12 U	0.275 U	0.254 U	
2-Hexanone	0.628 U	0.154 U	0.142 U	
4-Ethyltoluene	2.94 J-	0.542 J-	0.500 J-	
Acetone	392 J-	100 J-	6.83 J-	
Allyl Chloride (3-Chloropropene)	0.890 U	0.219 U	0.202 U	
Benzene	1.18 U	1.06 J-	1.14 J-	
Benzyl Chloride	1.05 U	0.257 UJ	0.237 U	
Bromodichloromethane	0.852 U	0.209 U	0.193 U	
Bromoform	1.89 U	0.465 U	0.430 U	
Bromomethane	1.42 U	0.350 U	0.323 U	
Carbon Disulfide	7.34 J-	0.269 U	0.248 U	
Carbon Tetrachloride	0.588 U	0.578 J-	0.533 J-	
Chlorobenzene	0.964 U	0.237 U	0.219 U	
Chloroethane	0.632 U	0.155 U	0.143 U	
Chloroform	2.74 J-	1.71 J-	0.381 U	
Chloromethane (Methyl Chloride)	0.386 J-	0.854 J-	0.683 J-	
Cis-1,2-Dichloroethylene	0.371 U	0.0911 U	0.0841 U	
Cis-1,3-Dichloropropene	0.696 U	0.171 U	0.158 U	
Cyclohexane	1.11 U	0.601 J-	0.251 U	
Dibromochloromethane	1.56 U	0.384 UJ	0.354 U	
Dichlorodifluoromethane	1.85 J-	2.05 J-	2.26 J-	
Ethylbenzene	61.1 J-	1.04 J-	0.442 J-	

**Table C-77 GC089 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC089		
	Location ID:	GC089-SV01	GC089-BA01	GC089-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	1/23/2024	1/23/2024	1/23/2024
Hexachlorobutadiene	3.39 UJ	0.833 UJ	0.769 UJ	
Isopropanol	27.6 J-	8.63 J-	4.48 J-	
m,p-Xylene	446 J-	4.15 J-	1.73 J-	
Methyl Ethyl Ketone (2-Butanone)	4.96 J-	4.26 J-	1.05 J-	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.99	1.02 J-	0.486 J-	
Methylene Chloride	2.21 J	0.702 J-	0.589 J-	
Naphthalene	1.90 UJ	0.467 UJ	0.431 UJ	
N-Heptane	0.659 U	0.979 J-	0.487 J-	
N-Hexane	1.05 U	0.745 J-	0.717 J-	
O-Xylene (1,2-Dimethylbenzene)	358 J-	1.84 J-	1.03 J-	
Styrene	0.940 U	0.231 U	0.213 U	
Tert-Butyl Methyl Ether	1.31 U	0.321 U	0.297 U	
Tetrachloroethylene (PCE)	2.03 J-	0.623 J-	1.96 J-	
Tetrahydrofuran	3.09 J-	0.144 U	0.300 J-	
Toluene	6.48 J-	8.35 J-	1.82 J-	
Trans-1,2-Dichloroethene	1.17 U	0.288 U	0.266 U	
Trans-1,3-Dichloropropene	1.56 U	0.384 U	0.354 U	
Trichloroethylene (TCE)	0.502 U	0.123 U	0.114 U	
Trichlorofluoromethane	1.60 U	1.29 J-	1.33 J-	
Vinyl Bromide	1.57 U	0.386 UJ	0.356 U	
Vinyl Chloride	0.421 UJ	0.103 UJ	0.0954 UJ	

Key:

Qualifiers

J- = Estimated value with low bias

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-78 GC090 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC090					
	GC090-SV01	GC090-BA01	GC090-SV02	GC090-FA02	GC090-FA01	GC090-OA01
	Normal	Normal	Normal	Normal	Normal	Normal
	Sub-slab Vapor	Basement Air	Sub-slab Vapor	First Floor Air	First Floor Air	Outdoor Air
Analyte	2/12/2024	2/12/2024	2/12/2024	2/12/2024	2/12/2024	2/12/2024
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	4.0 U	0.20 U	0.82 U	0.20 U	0.20 U	0.20 U
1,1,2,2-Tetrachloroethane	6.6 U	0.33 U	1.3 U	0.33 U	0.33 U	0.33 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	4.8 U	0.24 U	0.92 U	0.24 U	0.24 U	0.24 U
1,1,2-Trichloroethane	4.1 U	0.21 U	0.82 U	0.21 U	0.21 U	0.21 U
1,1-Dichloroethane	4.5 U	0.23 U	0.93 U	0.23 U	0.23 U	0.23 U
1,1-Dichloroethene	4.8 U	0.23 U	0.95 U	0.23 U	0.23 U	0.23 U
1,2,4-Trichlorobenzene	18 U	0.89 U	3.6 U	0.89 U	0.89 U	0.89 U
1,2,4-Trimethylbenzene	8.4 U	0.74 J	1.7 U	0.43 U	0.79 J	0.43 U
1,2-Dibromoethane (Ethylene Dibromide)	4.6 U	0.23 U	0.92 U	0.23 U	0.23 U	0.23 U
1,2-Dichlorobenzene	8.4 U	0.41 U	1.7 U	0.41 U	0.41 U	0.41 U
1,2-Dichloroethane	5.7 U	0.28 U	1.1 U	0.28 U	0.28 U	0.28 U
1,2-Dichloropropane	5.5 U	0.29 U	1.2 U	0.29 U	0.29 U	0.29 U
1,2-Dichlorotetrafluoroethane	7.0 U	0.35 U	1.4 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene (Mesitylene)	7.9 U	0.39 U	1.6 U	0.39 U	0.39 U	0.39 U
1,3-Butadiene	3.8 U	0.19 U	0.75 U	0.19 U	0.19 U	0.19 U
1,3-Dichlorobenzene	4.8 U	0.24 U	0.96 U	0.24 U	0.24 U	0.24 U
1,4-Dichlorobenzene	9.6 U	0.47 U	1.9 U	0.47 U	0.47 U	0.47 U
1,4-Dioxane (P-Dioxane)	8.3 U	0.43 U	1.7 U	0.43 U	0.43 U	0.43 U
2-Hexanone	12 U	0.61 U	2.4 U	0.61 U	0.61 U	0.61 U
4-Ethyltoluene	9.3 U	0.47 U	1.9 U	0.47 U	0.47 U	0.47 U
Acetone	1930	23	1120	17	35.2	5.9
Allyl Chloride (3-Chloropropene)	5.3 U	0.26 U	1.0 U	0.26 U	0.26 U	0.26 U
Benzene	1.5 U	0.67	0.31 U	0.67	0.73	0.77
Benzyl Chloride	13 UJ	0.67 UJ	2.6 UJ	0.67 UJ	0.67 UJ	0.67 UJ
Bromodichloromethane	4.0 U	0.20 U	0.80 U	0.20 U	0.20 U	0.20 U
Bromoform	14 U	0.73 U	2.9 U	0.73 U	0.73 U	0.73 U
Bromomethane	5.4 U	0.27 U	1.1 U	0.27 U	0.27 U	0.27 U
Carbon Disulfide	7.5 J	0.14 U	2.4 J	0.14 U	0.14 U	0.14 U
Carbon Tetrachloride	5.0 U	0.25 U	1.0 U	0.25 U	0.25 U	0.25 U
Chlorobenzene	6.9 U	0.34 U	1.4 U	0.34 U	0.34 U	0.34 U
Chloroethane	3.7 U	0.18 U	0.71 U	0.18 U	0.18 U	0.18 U
Chloroform	16 J	2.8	0.73 U	1.6	3.6	0.18 U
Chloromethane (Methyl Chloride)	3.7 U	0.89	0.74 U	0.87	1.2	0.93
Cis-1,2-Dichloroethylene	2.4 U	0.12 U	0.48 U	0.12 U	0.12 U	0.12 U
Cis-1,3-Dichloropropene	5.4 U	0.28 U	1.1 U	0.28 U	0.28 U	0.28 U
Cyclohexane	3.1 U	0.15 U	0.62 U	0.15 U	0.15 U	0.15 U
Dibromochloromethane	8.5 U	0.44 U	1.8 U	0.44 U	0.44 U	0.44 U
Dichlorodifluoromethane	10 U	0.99	2.1 U	1.1	1.0	1.1
Ethylbenzene	5.2 U	0.26 U	8.7	0.26 U	0.26 U	0.26 U
Hexachlorobutadiene	13 U	0.66 U	2.7 U	0.66 U	0.66 U	0.66 U
Isopropanol	123	3.4	12	5.7	12	1.5
M,P-Xylene (Sum Of Isomers)	12 U	0.65 J	40	0.61 U	0.78 J	0.61 U
Methyl Ethyl Ketone (2-Butanone)	6.5 U	1.1	4.7	1.1	2.8	0.68
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	6.1 U	0.30 U	1.9 J	0.30 U	0.30 U	0.30 U
Methylene Chloride	12 J	1.0	5.9	0.90	1.1	0.73

**Table C-78 GC090 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC090					
	Location ID:	GC090-SV01	GC090-BA01	GC090-SV02	GC090-FA02	GC090-FA01	GC090-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	First Floor Air	First Floor Air	Outdoor Air
Date:	2/12/2024	2/12/2024	2/12/2024	2/12/2024	2/12/2024	2/12/2024	
Naphthalene		13 U	0.68 U	2.7 U	0.68 U	0.68 U	0.68 U
N-Heptane		3.7 U	0.18 U	0.74 U	0.45 J	0.53 J	0.49 J
N-Hexane		3.5 U	0.39 J	0.74 U	0.39 J	0.42 J	0.42 J
O-Xylene (1,2-Dimethylbenzene)		6.5 U	0.33 U	3.0 J	0.33 U	0.33 U	0.33 U
Styrene		4.7 U	0.23 U	0.89 U	0.23 U	0.23 U	0.23 U
Tert-Butyl Methyl Ether		5.8 U	0.29 U	1.2 U	0.29 U	0.29 U	0.29 U
Tetrachloroethylene (PCE)		73.2	0.39	1.4	0.63	0.45	0.095 U
Tetrahydrofuran		5.3 U	0.27 U	1.1 U	0.27 U	0.27 U	0.27 U
Toluene		4.1 U	1.5	224	1.2	1.5	1.1
Trans-1,2-Dichloroethene		2.2 U	0.11 U	0.44 U	0.11 U	0.11 U	0.11 U
Trans-1,3-Dichloropropene		9.1 U	0.45 U	1.8 U	0.45 U	0.45 U	0.45 U
Trichloroethylene (TCE)		2.0 U	0.10 U	0.41 U	0.10 U	0.10 U	0.10 U
Trichlorofluoromethane		17 U	0.96	3.5 U	1.0	0.96	1.0
Vinyl Bromide		5.2 U	0.27 U	1.0 U	0.27 U	0.27 U	0.27 U
Vinyl Chloride		3.6 U	0.18 U	0.72 U	0.18 U	0.18 U	0.18 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-79 GC092 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC092			
	Location ID:	GC092-SV01	GC092-BA01	GC092-FA01	GC092-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/7/2024	3/7/2024	3/7/2024	3/7/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.981 U	0.491 U	0.421 U	0.414 U	
1,1,2,2-Tetrachloroethane	0.705 U	0.353 U	0.303 U	0.298 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.57 U	0.789 U	0.675 U	0.761	
1,1,2-Trichloroethane	0.502 U	0.252 U	0.215 U	0.212 U	
1,1-Dichloroethane	0.719 U	0.360 U	0.308 U	0.303 U	
1,1-Dichloroethene	0.212 U	0.106 U	0.0910 U	0.0895 U	
1,2,4-Trichlorobenzene	1.25 UJ	0.628 UJ	0.613 J	1.27 J	
1,2,4-Trimethylbenzene	0.631 J	0.316 U	0.632	0.444	
1,2-Dibromoethane (Ethylene Dibromide)	0.658 U	0.329 U	0.282 U	0.278 U	
1,2-Dichlorobenzene	0.836 U	0.419 U	0.359 U	0.353 U	
1,2-Dichloroethane	0.537 U	0.269 U	0.230 U	0.227 U	
1,2-Dichloropropane	0.504 U	0.253 U	0.216 U	0.213 U	
1,2-Dichlorotetrafluoroethane	1.47 UJ	0.734 UJ	0.629 U	0.619 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.568 U	0.285 U	0.244 U	0.240 U	
1,3-Butadiene	0.180 UJ	0.0901 UJ	0.0772 U	0.0759 U	
1,3-Dichlorobenzene	0.862 U	0.432 U	0.370 U	0.364 U	
1,4-Dichlorobenzene	0.772 U	0.387 U	0.331 U	0.380 J	
1,4-Dioxane (P-Dioxane)	0.640 U	0.321 U	0.275 U	0.270 U	
2-Hexanone	0.359 UJ	0.571 UJ	0.301 J	0.370 J	
4-Ethyltoluene	0.800 U	0.401 U	0.343 U	0.337 U	
Acetone	11.5 J	35.3 J	9.07	6.37	
Allyl Chloride (3-Chloropropene)	0.509 U	0.255 U	0.218 U	0.215 U	
Benzene	0.752	0.548	0.616	0.606	
Benzyl Chloride	0.598 U	0.300 U	0.257 UJ	0.252 UJ	
Bromodichloromethane	0.487 U	0.244 U	0.209 U	0.206 U	
Bromoform	1.08 U	0.543 U	0.465 U	0.457 U	
Bromomethane	0.814 U	0.408 U	0.349 U	0.344 U	
Carbon Disulfide	8.80	0.334	0.269 U	0.264 U	
Carbon Tetrachloride	0.337 U	0.337	0.462	0.511	
Chlorobenzene	0.552 U	0.276 U	0.237 U	0.233 U	
Chloroethane	0.361 U	0.181 U	0.155 U	0.152 U	
Chloroform	0.961 U	0.482 U	0.941	0.406 U	
Chloromethane (Methyl Chloride)	0.217 UJ	1.20 J	1.23	1.27	
Cis-1,2-Dichloroethylene	0.212 U	0.106 U	0.0910 U	0.0895 U	
Cis-1,3-Dichloropropene	0.398 U	0.199 U	0.171 U	0.168 U	
Cyclohexane	0.633 U	0.332 J	0.272 U	0.267 U	
Dibromochloromethane	0.893 U	0.447 U	0.383 U	0.377 U	
Dichlorodifluoromethane	2.01	2.07	2.18	2.32	
Ethylbenzene	0.641 U	0.321 U	0.275 U	0.271 U	
Hexachlorobutadiene	1.94 U	0.972 U	0.832 U	0.819 U	
Isopropanol	5.26	12.2	8.28	4.33	
m,p-Xylene	2.32	0.745 J	0.598 J	0.588 J	
Methyl Ethyl Ketone (2-Butanone)	1.07 U	0.948 U	0.866 U	0.719 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.745 UJ	0.373 UJ	0.338 J	0.314 U	
Methylene Chloride	5.95	4.43	0.542 J	0.721	

**Table C-79 GC092 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC092			
	Location ID:	GC092-SV01	GC092-BA01	GC092-FA01	GC092-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/7/2024	3/7/2024	3/7/2024	3/7/2024
Naphthalene	1.09 UJ	0.545 UJ	0.818 U	0.459 U	
N-Heptane	0.439 J	0.439	0.414	0.518	
N-Hexane	0.603 J	0.378	0.291 J	0.255 U	
O-Xylene (1,2-Dimethylbenzene)	0.929	0.279 J	0.279 J	0.235 J	
Styrene	0.820 J	0.320 J	0.235 J	0.227 U	
Tert-Butyl Methyl Ether	0.748 U	0.375 U	0.321 U	0.316 U	
Tetrachloroethylene (PCE)	1.74	0.356 U	0.305 U	0.300 U	
Tetrahydrofuran	0.379 J	0.168 U	0.190 J	0.141 U	
Toluene	4.11	1.74	1.00	0.851	
Trans-1,2-Dichloroethene	0.670 U	0.336 U	0.288 U	0.283 U	
Trans-1,3-Dichloropropene	0.894 U	0.448 U	0.383 U	0.377 U	
Trichloroethylene (TCE)	0.345	0.144 U	0.197	0.194	
Trichlorofluoromethane	0.962 J	1.08	1.19	1.27	
Vinyl Bromide	0.899 U	0.450 U	0.385 U	0.379 U	
Vinyl Chloride	0.241 UJ	0.121 UJ	0.103 U	0.102 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-80 GC093 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC093			
	Location ID:	GC093-FA01	GC093-FA02	GC093-FA03	GC093-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	First Floor Air	First Floor Air	First Floor Air	Outdoor Air
	Date:	2/26/2024	2/26/2024	2/26/2024	2/26/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.41 U	0.41 U	0.41 U	0.41 U	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	0.89 J	1.8	1.8	0.39 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.33 J	0.49 J	0.51 J	0.23 U	
1,3-Butadiene	0.086 U	0.086 U	0.086 U	0.086 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	0.54 U	0.54 U	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.30 U	0.30 U	
2-Hexanone	0.61 U	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	0.45 J	0.48 J	0.49 J	0.24 U	
Acetone	19	18	18	9.4 J	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	0.38 U	
Benzene	1.7	1.4	1.1	0.31 J	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	0.40 U	0.40 U	0.45 J	0.40 U	
Carbon Tetrachloride	0.14 U	0.23	0.14 J	0.21 J	
Chlorobenzene	0.20 U	0.20 U	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	0.47 U	
Chloroform	0.20 U	0.20 U	0.20 U	0.20 U	
Chloromethane (Methyl Chloride)	0.74 J	0.69 J	0.66 J	0.70 J	
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.43	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	
Cyclohexane	1.2	0.89	0.79	0.20 U	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	1.9 J	1.9 J	1.7 J	2.2 J	
Ethylbenzene	1.1	0.92	0.77 J	0.30 U	
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	1.2 U	
Isopropanol	5.6 J	4.7 J	3.9 U	3.9 U	
m,p-Xylene	3.5	3.0	2.4	0.41 U	
Methyl Ethyl Ketone (2-Butanone)	1.5	1.4 U	1.6	1.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.53 U	0.53 U	0.53 U	0.53 U	
Methylene Chloride	0.63 U	0.63 U	0.63 U	1.6 J	

**Table C-80 GC093 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC093			
	Location ID:	GC093-FA01	GC093-FA02	GC093-FA03	GC093-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	First Floor Air	First Floor Air	First Floor Air	Outdoor Air
	Date:	2/26/2024	2/26/2024	2/26/2024	2/26/2024
Naphthalene	1.6 U	1.6 U	1.6 U	1.6 U	
N-Heptane	1.2	0.92	0.81 J	0.23 U	
N-Hexane	2.3	1.2 J	1.0 J	0.39 U	
O-Xylene (1,2-Dimethylbenzene)	1.1	0.94	0.83 J	0.27 U	
Styrene	0.25 U	0.25 U	0.25 U	0.25 U	
Tert-Butyl Methyl Ether	0.13 U	0.13 U	0.13 U	0.13 U	
Tetrachloroethylene (PCE)	0.60 J	0.60 J	0.54 J	0.14 U	
Tetrahydrofuran	3.8 U	3.8 U	3.8 U	3.8 U	
Toluene	7.0	4.7	3.5	0.28 J	
Trans-1,2-Dichloroethene	0.091 U	0.091 U	0.091 U	0.091 U	
Trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	0.25 U	
Trichloroethylene (TCE)	1.2	0.13 U	0.53	0.13 U	
Trichlorofluoromethane	1.0 J	1.0 J	1.0 J	1.2	
Vinyl Bromide	0.22 U	0.22 U	0.22 U	0.22 U	
Vinyl Chloride	0.054 U	0.054 U	0.054 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-81 GC094 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC094		
	Location ID:	GC094-SV01	GC094-BA01	GC094-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	3/5/2024	3/5/2024	3/5/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.44 J	0.42 J	0.44 J	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	1.9	0.39 U	0.81 J	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.23 J	0.23 U	0.23 U	
1,3-Butadiene	0.31 J	0.13 J	0.11 J	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	1.1 J	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.30 U	
2-Hexanone	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	0.24 U	0.24 U	0.24 U	
Acetone	53	64	6.0 J	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	
Benzene	0.55 J	0.70	0.69	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	8.5	0.40 U	0.48 J	
Carbon Tetrachloride	0.31	0.45	0.40	
Chlorobenzene	0.20 U	0.20 U	7.9	
Chloroethane	0.47 U	0.47 U	0.47 U	
Chloroform	1.0	0.85 J	0.20 U	
Chloromethane (Methyl Chloride)	0.71 J	1.1	1.1	
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	
Cyclohexane	0.20 U	0.20 U	0.20 U	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	2.3 J	2.2 J	2.2 J	
Ethylbenzene	0.67 J	0.34 J	0.44 J	

**Table C-81 GC094 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC094		
	Location ID:	GC094-SV01	GC094-BA01	GC094-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	3/5/2024	3/5/2024	3/5/2024
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	
Isopropanol	11 J	3.9 U	3.9 U	
m,p-Xylene	2.2	0.85 J	1.5 J	
Methyl Ethyl Ketone (2-Butanone)	3.8	1.4 J	1.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.72 J	0.53 U	0.53 U	
Methylene Chloride	4.3	0.63 U	0.63 U	
Naphthalene	1.6 U	1.6 U	1.6 U	
N-Heptane	1.4	0.56 J	0.35 J	
N-Hexane	0.57 J	0.50 J	0.44 J	
O-Xylene (1,2-Dimethylbenzene)	0.95	0.30 J	0.39 J	
Styrene	1.5	0.25 U	0.25 U	
Tert-Butyl Methyl Ether	0.13 U	0.13 U	0.13 U	
Tetrachloroethylene (PCE)	1.5	0.72 J	0.38 J	
Tetrahydrofuran	3.8 U	3.8 U	3.8 U	
Toluene	5.4	2.6	1.5	
Trans-1,2-Dichloroethene	0.091 U	0.091 U	0.091 U	
Trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	
Trichloroethylene (TCE)	0.19 J	0.13 U	0.13 U	
Trichlorofluoromethane	1.2	1.3	1.2	
Vinyl Bromide	0.22 U	0.22 U	0.22 U	
Vinyl Chloride	0.054 U	0.054 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-82 GC095 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC095				
	Location ID:	GC095-SV01	GC095-BA01	GC095-SV02	GC095-BA02	GC095-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	2/22/2024	2/22/2024	2/22/2024	2/22/2024	2/22/2024
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.42 J	0.43 J	0.46 J	0.47 J	0.41 J	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.21 J	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	2.7	1.2	4.8	5.5	1.1	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.37 J	0.37 J	0.31 J	1.9	0.23 U	
1,3-Butadiene	0.41 J	0.086 J	0.53	0.090 J	0.086 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	1.5	0.54 U	1.1 J	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	
2-Hexanone	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	0.29 J	0.38 J	0.24 U	2.0	0.24 U	
Acetone	27	11 J	36	9.5 J	90	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	
Benzene	0.64	0.70	0.47 J	0.75	0.70	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	0.81 J	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	14	0.40 U	3.3	0.40 U	0.40 U	
Carbon Tetrachloride	0.31	0.32	0.27	0.40	0.51	
Chlorobenzene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	
Chloroform	35	0.20 U	53	0.25 J	0.52 J	
Chloromethane (Methyl Chloride)	0.34 J	1.1	0.33 J	1.1	1.3	
Cis-1,2-Dichloroethylene	39	0.083 U	13	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	
Cyclohexane	0.20 U	0.20 U	0.20 U	0.22 J	0.20 J	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	2.0 J	2.2 J	2.3 J	1.9 J	1.9 J	
Ethylbenzene	0.91	0.37 J	0.60 J	0.59 J	0.39 J	
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
Isopropanol	4.2 J	3.9 U	24	3.9 U	6.8 J	
m,p-Xylene	3.5	0.71 J	2.2	1.3 J	0.97 J	
Methyl Ethyl Ketone (2-Butanone)	3.4	1.4 U	6.6	1.4 U	5.0	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.9 J	0.53 U	1.4 J	0.53 U	0.65 J	
Methylene Chloride	8.8	4.9	6.0	1.1 J	0.73 J	
Naphthalene	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	
N-Heptane	1.1	0.47 J	0.68 J	1.2	0.92	
N-Hexane	5.1	13	1.3 J	1.5 J	0.53 J	
O-Xylene (1,2-Dimethylbenzene)	1.2	0.35 J	0.81 J	0.90	0.37 J	
Styrene	0.91	0.32 J	0.58 J	0.30 J	0.25 U	

**Table C-82 GC095 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC095				
	Location ID:	GC095-SV01	GC095-BA01	GC095-SV02	GC095-BA02	GC095-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	2/22/2024	2/22/2024	2/22/2024	2/22/2024	2/22/2024
Tert-Butyl Methyl Ether		0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Tetrachloroethylene (PCE)		41	0.16 J	48	0.21 J	0.15 J
Tetrahydrofuran		3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Toluene		6.5	1.8	3.7	4.0	2.5
Trans-1,2-Dichloroethene		0.091 U	0.091 U	1.1	0.091 U	0.091 U
Trans-1,3-Dichloropropene		0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Trichloroethylene (TCE)		190	0.17 J	75	0.17 J	0.13 U
Trichlorofluoromethane		1.1	1.1	5.8	1.2	1.1
Vinyl Bromide		0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Vinyl Chloride		0.054 U	0.054 U	0.054 U	0.054 U	0.054 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-83 GC096 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC096			
	Location ID:	GC096-SV01	GC096-BA01	GC096-FA01	GC096-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	2/12/2024	2/12/2024	2/12/2024	2/12/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.82 U	0.20 U	0.20 U	0.20 U	
1,1,2,2-Tetrachloroethane	1.3 U	0.33 U	0.33 U	0.33 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.92 U	0.24 U	0.24 U	0.24 U	
1,1,2-Trichloroethane	0.82 U	0.21 U	0.21 U	0.21 U	
1,1-Dichloroethane	0.93 U	0.23 U	0.23 U	0.23 U	
1,1-Dichloroethene	0.95 U	0.23 U	0.23 U	0.23 U	
1,2,4-Trichlorobenzene	3.6 UJ	0.89 UJ	0.89 UJ	0.89 UJ	
1,2,4-Trimethylbenzene	312	0.43 U	0.43 U	0.43 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.92 U	0.23 U	0.23 U	0.23 U	
1,2-Dichlorobenzene	1.7 U	0.41 U	0.41 U	0.41 U	
1,2-Dichloroethane	1.1 U	0.28 U	0.28 U	0.28 U	
1,2-Dichloropropane	1.2 U	0.29 U	0.29 U	0.29 U	
1,2-Dichlorotetrafluoroethane	1.4 U	0.35 U	0.35 U	0.35 U	
1,3,5-Trimethylbenzene (Mesitylene)	196	0.39 U	0.39 U	0.39 U	
1,3-Butadiene	0.75 U	0.19 U	0.19 U	0.19 U	
1,3-Dichlorobenzene	0.96 U	0.24 U	0.24 U	0.24 U	
1,4-Dichlorobenzene	1.9 U	0.47 U	0.47 U	0.47 U	
1,4-Dioxane (P-Dioxane)	1.7 U	0.43 U	0.43 U	0.43 U	
2-Hexanone	2.4 U	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	42	0.47 U	0.47 U	0.47 U	
Acetone	77.9	8.6	20	5.7	
Allyl Chloride (3-Chloropropene)	1.0 U	0.26 U	0.26 U	0.26 U	
Benzene	4.8	0.80	1.2	0.89	
Benzyl Chloride	2.6 U	0.67 U	0.67 U	0.67 U	
Bromodichloromethane	0.80 U	0.20 U	0.20 U	0.20 U	
Bromoform	2.9 UJ	0.73 UJ	0.73 UJ	0.73 UJ	
Bromomethane	1.1 U	0.27 U	0.27 U	0.27 U	
Carbon Disulfide	13	0.14 U	0.14 U	0.14 U	
Carbon Tetrachloride	1.0 U	0.25 U	0.25 U	0.25 U	
Chlorobenzene	1.4 U	0.34 U	0.34 U	0.34 U	
Chloroethane	0.71 U	0.18 U	0.18 U	0.18 U	
Chloroform	64.5	0.18 U	0.88 J	0.18 U	
Chloromethane (Methyl Chloride)	0.74 U	1.1	1.1	1.1	
Cis-1,2-Dichloroethylene	0.48 U	0.12 U	0.12 U	0.12 U	
Cis-1,3-Dichloropropene	1.1 U	0.28 U	0.28 U	0.28 U	
Cyclohexane	0.62 U	0.15 U	0.15 U	0.15 U	
Dibromochloromethane	1.8 U	0.44 U	0.44 U	0.44 U	
Dichlorodifluoromethane	2.5 J	2.3	2.3	2.4	
Ethylbenzene	5.6	0.26 U	0.26 U	0.26 U	
Hexachlorobutadiene	2.7 U	0.66 U	0.66 U	0.66 U	
Isopropanol	4.7	2.1	14	2.7	
M,P-Xylene (Sum Of Isomers)	48.2	0.96	0.91	0.87	
Methyl Ethyl Ketone (2-Butanone)	6.2	1.5	1.7	0.77	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.6 J	0.30 U	0.30 U	0.30 U	
Methylene Chloride	3.5	0.59 J	0.63 J	0.94	

**Table C-83 GC096 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC096			
	Location ID:	GC096-SV01	GC096-BA01	GC096-FA01	GC096-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	2/12/2024	2/12/2024	2/12/2024	2/12/2024
Naphthalene	2.7 UJ	0.68 UJ	0.68 UJ	0.68 UJ	
N-Heptane	3.1 J	0.74 J	1.0	0.86	
N-Hexane	7.0	0.49 J	0.60 J	0.70	
O-Xylene (1,2-Dimethylbenzene)	33	0.33 U	0.33 U	0.33 U	
Styrene	0.89 U	0.23 U	0.23 U	0.23 U	
Tert-Butyl Methyl Ether	1.2 U	0.29 U	0.29 U	0.29 U	
Tetrachloroethylene (PCE)	75.9	0.46	1.2	0.57	
Tetrahydrofuran	1.1 U	0.27 U	0.27 U	0.27 U	
Toluene	6.8	1.9	2.6	2.1	
Trans-1,2-Dichloroethene	0.44 U	0.11 U	0.11 U	0.11 U	
Trans-1,3-Dichloropropene	1.8 U	0.45 U	0.45 U	0.45 U	
Trichloroethylene (TCE)	25	0.10 U	0.10 U	0.10 U	
Trichlorofluoromethane	3.5 U	1.4	1.3	1.5	
Vinyl Bromide	1.0 U	0.27 U	0.27 U	0.27 U	
Vinyl Chloride	0.72 U	0.18 U	0.18 U	0.18 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-84 GC097 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID:	GC097				
Location ID:	GC097-SV01	GC097-BA01	GC097-FA01	GC097-FA02	GC097-OA01
Sample Type:	Normal	Normal	Normal	Normal	Normal
Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	First Floor Air	Outdoor Air
Date:	2/15/2024	2/15/2024	2/15/2024	2/15/2024	2/15/2024
Analyte					
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.809 U	0.441 U	0.426 U	0.433 U	0.452 U
1,1,2,2-Tetrachloroethane	0.582 U	0.317 U	0.306 U	0.311 U	0.325 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.30 U	0.708 U	0.684 U	0.695 U	0.725 U
1,1,2-Trichloroethane	0.414 U	0.226 U	0.218 U	0.222 U	0.231 U
1,1-Dichloroethane	0.593 U	0.323 U	0.312 U	0.317 U	0.331 U
1,1-Dichloroethene	0.175 U	0.0954 U	0.0922 U	0.0937 U	0.0977 U
1,2,4-Trichlorobenzene	1.04 UJ	0.564 UJ	0.545 UJ	0.554 UJ	0.578 UJ
1,2,4-Trimethylbenzene	0.694 J	0.426 J	0.411 J	0.372 J	0.291 U
1,2-Dibromoethane (Ethylene Dibromide)	0.543 U	0.296 U	0.286 U	0.290 U	0.303 U
1,2-Dichlorobenzene	0.690 U	0.376 U	0.363 U	0.369 UJ	0.385 U
1,2-Dichloroethane	0.443 U	0.241 U	0.233 U	0.237 U	0.247 U
1,2-Dichloropropane	0.416 U	0.227 U	0.219 U	0.223 U	0.232 U
1,2-Dichlorotetrafluoroethane	1.21 U	0.659 U	0.637 U	0.647 UJ	0.675 U
1,3,5-Trimethylbenzene (Mesitylene)	0.469 U	0.255 U	0.247 U	0.251 U	0.262 U
1,3-Butadiene	0.148 U	0.0809 U	0.0782 U	0.0794 U	0.0829 U
1,3-Dichlorobenzene	0.711 U	0.388 U	0.375 U	0.381 U	0.397 U
1,4-Dichlorobenzene	1.27	0.347 U	0.335 U	0.341 U	0.356 U
1,4-Dioxane (P-Dioxane)	0.528 U	0.288 U	0.278 U	0.283 U	0.295 U
2-Hexanone	0.868 J	0.162 U	0.156 U	0.159 U	0.166 U
4-Ethyltoluene	0.660 U	0.359 U	0.347 U	0.353 U	0.368 U
Acetone	22.0	11.1	12.2	18.2	5.41
Allyl Chloride (3-Chloropropene)	0.420 U	0.229 U	0.221 U	0.225 U	0.235 U
Benzene	0.559 U	0.891	0.772	0.604	0.630
Benzyl Chloride	0.494 U	0.269 U	0.260 U	0.264 U	0.276 U
Bromodichloromethane	0.402 U	0.219 U	0.212 U	0.215 U	0.225 U
Bromoform	0.894 U	0.487 U	0.471 U	0.479 U	0.499 U
Bromomethane	0.672 U	0.366 U	0.354 U	0.360 U	0.375 U
Carbon Disulfide	3.74	0.282 U	0.272 U	0.277 U	0.289 U
Carbon Tetrachloride	0.278 U	0.151 U	0.410	0.297	0.155 U
Chlorobenzene	0.455 U	0.248 U	0.240 U	0.244 U	0.254 U
Chloroethane	0.298 U	0.162 U	0.157 U	0.160 U	0.166 U
Chloroform	1.38	1.50	0.954	1.15	0.443 U
Chloromethane (Methyl Chloride)	0.328 J	1.19	1.25	1.41	1.22
Cis-1,2-Dichloroethylene	0.175 U	0.0954 U	0.0922 U	0.0937 U	0.0977 U
Cis-1,3-Dichloropropene	0.329 U	0.179 U	0.173 U	0.176 U	0.183 U
Cyclohexane	0.523 U	0.298 J	0.275 U	0.325	0.292 U
Dibromochloromethane	0.737 U	0.402 U	0.388 U	0.394 U	0.412 U
Dichlorodifluoromethane	2.01	1.95	1.98	2.15	2.05
Ethylbenzene	0.613 J	0.292 J	0.323 J	0.328 J	0.295 U
Hexachlorobutadiene	1.60 U	0.872 U	0.843 U	0.857 UJ	0.894 U
Isopropanol	3.13	2.53	2.45	4.37	5.48
m,p-Xylene	1.99	1.00	1.05	1.23	0.685 J
Methyl Ethyl Ketone (2-Butanone)	2.40	0.794	1.10	1.53	0.582
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.66	0.335 U	0.324 U	0.329 U	0.343 U
Methylene Chloride	4.05	0.635 J	0.775	0.853	0.514 J
Naphthalene	0.898 UJ	0.489 UJ	0.473 UJ	0.481 UJ	0.501 UJ
N-Heptane	0.311 U	0.513	0.164 U	0.167 U	0.174 U
N-Hexane	0.498 U	0.610	0.557	0.533	0.452
O-Xylene (1,2-Dimethylbenzene)	0.767	0.376 J	0.404	0.615	0.257 J

**Table C-84 GC097 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC097				
	Location ID:	GC097-SV01	GC097-BA01	GC097-FA01	GC097-FA02	GC097-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	First Floor Air	Outdoor Air
	Date:	2/15/2024	2/15/2024	2/15/2024	2/15/2024	2/15/2024
Styrene	0.978	0.369 J	0.277 J	0.238 U	0.248 U	
Tert-Butyl Methyl Ether	0.618 U	0.336 U	0.325 U	0.330 U	0.345 U	
Tetrachloroethylene (PCE)	47.8	0.587 J	0.505 J	0.320 J	0.328 U	
Tetrahydrofuran	0.276 U	0.150 U	0.145 U	0.148 U	0.154 U	
Toluene	2.26	1.60	1.61	1.53	1.11	
Trans-1,2-Dichloroethene	0.553 U	0.301 U	0.291 U	0.296 U	0.309 U	
Trans-1,3-Dichloropropene	0.737 U	0.402 U	0.388 U	0.395 U	0.412 U	
Trichloroethylene (TCE)	2.09	0.129 U	0.125 U	0.127 U	0.132 U	
Trichlorofluoromethane	1.19	1.08	1.10	1.12	1.16	
Vinyl Bromide	0.742 U	0.404 U	0.391 U	0.397 U	0.414 U	
Vinyl Chloride	0.199 U	0.108 U	0.105 U	0.106 UJ	0.111 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-85 GC098 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC098		
	Location ID:	GC098-SV01	GC098-FA01	GC098-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	Outdoor Air
	Date:	2/13/2024	2/13/2024	2/13/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	1.84 U	0.425 U	0.352 U	
1,1,2,2-Tetrachloroethane	1.32 U	0.305 U	0.253 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	2.95 U	0.682 U	0.707	
1,1,2-Trichloroethane	0.941 U	0.217 U	0.180 U	
1,1-Dichloroethane	1.35 U	0.311 U	0.258 U	
1,1-Dichloroethene	0.397 U	0.0919 U	0.0762 U	
1,2,4-Trichlorobenzene	2.35 UJ	0.543 UJ	0.451 UJ	
1,2,4-Trimethylbenzene	1.18 J	0.410 J	0.416	
1,2-Dibromoethane (Ethylene Dibromide)	1.23 U	0.285 U	0.236 U	
1,2-Dichlorobenzene	1.57 UJ	0.362 U	0.301 U	
1,2-Dichloroethane	1.01 U	0.233 U	0.193 U	
1,2-Dichloropropane	0.945 U	0.218 U	0.181 U	
1,2-Dichlorotetrafluoroethane	2.75 UJ	0.635 UJ	0.527 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.06 U	0.246 U	0.204 U	
1,3-Butadiene	0.337 U	0.0779 U	0.0646 U	
1,3-Dichlorobenzene	1.62 U	0.373 U	0.310 U	
1,4-Dichlorobenzene	1.45 U	0.334 U	0.277 U	
1,4-Dioxane (P-Dioxane)	1.20 U	0.277 U	0.230 U	
2-Hexanone	0.674 U	0.156 U	0.158 J	
4-Ethyltoluene	1.50 U	0.346 U	0.287 U	
Acetone	9.43	8.10	5.41	
Allyl Chloride (3-Chloropropene)	0.954 U	0.221 U	0.183 U	
Benzene	1.27 U	0.444	0.540	
Benzyl Chloride	1.12 U	0.259 U	0.215 UJ	
Bromodichloromethane	0.913 U	0.211 U	0.175 U	
Bromoform	2.03 U	0.470 U	0.389 UJ	
Bromomethane	1.53 U	0.353 U	0.293 U	
Carbon Disulfide	5.87	0.271 U	0.225 U	
Carbon Tetrachloride	0.631 U	0.350	0.581 J	
Chlorobenzene	1.03 U	0.239 U	0.198 U	
Chloroethane	0.677 U	0.157 U	0.130 U	
Chloroform	1.80 U	0.543	0.345 U	
Chloromethane (Methyl Chloride)	1.41	1.90	1.54	
Cis-1,2-Dichloroethylene	0.397 U	0.0919 U	0.0762 U	
Cis-1,3-Dichloropropene	0.746 U	0.173 U	0.143 U	
Cyclohexane	1.19 U	0.274 U	0.228 U	
Dibromochloromethane	1.67 U	0.387 U	0.321 UJ	
Dichlorodifluoromethane	2.18	2.06	2.62	
Ethylbenzene	1.20 U	0.403	0.234 J	

**Table C-85 GC098 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC098		
	Location ID:	GC098-SV01	GC098-FA01	GC098-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	Outdoor Air
	Date:	2/13/2024	2/13/2024	2/13/2024
Hexachlorobutadiene	3.64 UJ	0.840 U	0.697 U	
Isopropanol	7.49	6.84	1.42	
m,p-Xylene	2.79 J	1.21	0.668	
Methyl Ethyl Ketone (2-Butanone)	0.828 J	0.465	3.83	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.40 U	0.323 U	0.268 U	
Methylene Chloride	9.47	0.580 J	0.695	
Naphthalene	2.04 UJ	0.471 UJ	0.443 UJ	
N-Heptane	0.707 U	0.163 U	0.136 U	
N-Hexane	1.13 U	0.294 J	0.325	
O-Xylene (1,2-Dimethylbenzene)	1.04 J	0.362 J	0.267 J	
Styrene	1.20 J	0.233 U	0.193 U	
Tert-Butyl Methyl Ether	1.40 U	0.324 U	0.269 U	
Tetrachloroethylene (PCE)	1.90 J	0.308 U	0.991	
Tetrahydrofuran	0.627 U	0.145 U	2.86	
Toluene	2.72	1.08	0.985	
Trans-1,2-Dichloroethene	1.26 U	0.290 U	0.241 U	
Trans-1,3-Dichloropropene	1.67 U	0.387 U	0.321 U	
Trichloroethylene (TCE)	0.539 U	0.125 U	0.103 U	
Trichlorofluoromethane	1.71 U	1.09	1.47	
Vinyl Bromide	1.68 U	0.389 U	0.323 U	
Vinyl Chloride	0.451 UJ	0.104 UJ	0.0865 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-86 GC099 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC099				
	Location ID:	GC099-SV01	GC099-BA01	GC099-FA01	GC099-FA02	GC099-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	First Floor Air	Outdoor Air
	Date:	2/22/2024	2/22/2024	2/22/2024	2/22/2024	2/22/2024
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.859 U	0.553 U	0.462 U	0.507 U	0.484 U	
1,1,2,2-Tetrachloroethane	0.618 U	0.398 U	0.332 U	0.364 U	0.363 J	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.38 U	0.888 U	0.742 U	0.848	1.46	
1,1,2-Trichloroethane	0.440 U	0.283 U	0.237 U	0.259 U	0.248 U	
1,1-Dichloroethane	0.630 U	0.405 U	0.339 U	0.372 U	0.355 U	
1,1-Dichloroethene	0.186 U	0.120 U	0.0999 U	0.132 U	0.168 U	
1,2,4-Trichlorobenzene	1.10 UR	0.708 UR	0.591 UR	0.648 U	0.620 U	
1,2,4-Trimethylbenzene	0.737 J	0.356 J	1.29	3.75	2.44	
1,2-Dibromoethane (Ethylene Dibromide)	0.576 U	0.371 U	0.310 U	0.340 U	0.325 U	
1,2-Dichlorobenzene	0.732 U	0.472 U	0.394 U	0.432 U	0.413 U	
1,2-Dichloroethane	0.470 U	0.303 U	0.253 U	0.278 U	0.342 J	
1,2-Dichloropropane	0.442 U	0.284 U	0.238 U	0.261 U	0.249 U	
1,2-Dichlorotetrafluoroethane	1.28 U	0.827 U	0.691 U	0.758 U	0.813	
1,3,5-Trimethylbenzene (Mesitylene)	0.497 U	0.320 U	0.396 J	1.25	0.572	
1,3-Butadiene	0.158 U	0.101 U	0.0847 U	0.0930 U	0.0889 U	
1,3-Dichlorobenzene	0.755 U	0.486 U	0.406 U	0.446 U	0.426 U	
1,4-Dichlorobenzene	0.676 U	0.435 U	0.364 U	2.53	0.953	
1,4-Dioxane (P-Dioxane)	0.743 J	0.361 U	0.301 U	0.331 U	0.316 U	
2-Hexanone	0.691 J	0.203 U	0.169 U	0.498 J	0.178 U	
4-Ethyltoluene	0.737 J	0.451 U	1.14	2.94	1.20	
Acetone	99.5 J	4.53 J	12.9 J	25.5	24.0	
Allyl Chloride (3-Chloropropene)	0.446 U	0.287 U	0.240 U	0.263 U	0.251 U	
Benzene	0.593 U	0.733	1.87	4.13	1.15	
Benzyl Chloride	0.524 U	0.337 U	0.282 U	0.309 U	0.295 U	
Bromodichloromethane	0.427 U	0.275 U	0.230 U	0.445 J	0.241 U	
Bromoform	0.949 U	0.611 U	0.511 U	0.560 U	0.535 U	
Bromomethane	0.713 U	0.459 U	0.384 U	0.421 U	0.402 U	
Carbon Disulfide	6.42	0.353 U	0.295 U	0.324 U	0.329	
Carbon Tetrachloride	0.295 U	0.228	0.254	0.765 J	1.33 J	
Chlorobenzene	0.483 U	0.311 U	0.260 U	0.285 U	0.273 U	
Chloroethane	0.316 U	0.204 U	0.170 U	0.187 U	0.178 U	
Chloroform	7.87	0.542 U	0.935	4.86	0.475 U	
Chloromethane (Methyl Chloride)	0.190 U	0.997	1.46	1.83	2.88	
Cis-1,2-Dichloroethylene	0.186 U	0.120 U	0.0999 U	0.175 U	0.105 U	
Cis-1,3-Dichloropropene	0.349 U	0.225 U	0.188 U	0.206 U	0.197 U	
Cyclohexane	0.555 U	0.374 J	1.42	3.46	13.5	
Dibromochloromethane	0.782 U	0.504 U	0.515 J	0.462 U	0.441 U	
Dichlorodifluoromethane	2.59	2.21	2.09	3.56	5.28	
Ethylbenzene	0.732 J	0.472 J	1.49	3.46	1.70	
Hexachlorobutadiene	1.70 U	1.09 U	0.914 U	1.00 U	0.958 U	
Isopropanol	16.0	2.31	26.1	68.7	0.249 U	
m,p-Xylene	2.60	1.10	4.73	10.5	6.52	
Methyl Ethyl Ketone (2-Butanone)	2.98	0.570	1.07	1.76	2.99	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2.07	0.420 U	0.351 U	0.385 U	3.90	
Methylene Chloride	7.23	0.503 J	1.05	1.27	39.0	
Naphthalene	0.953 UJ	0.614 UJ	0.513 UJ	0.562 U	2.72	
N-Heptane	0.330 U	0.495	0.178 U	0.195 U	2.04	
N-Hexane	0.528 U	0.936	4.97	12.4	1.97	
O-Xylene (1,2-Dimethylbenzene)	0.976	0.419 J	1.66	3.79	2.20	

**Table C-86 GC099 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC099				
	Location ID:	GC099-SV01	GC099-BA01	GC099-FA01	GC099-FA02	GC099-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	First Floor Air	Outdoor Air
	Date:	2/22/2024	2/22/2024	2/22/2024	2/22/2024	2/22/2024
Styrene	0.559 J	0.303 U	0.258 J	1.04	0.810	
Tert-Butyl Methyl Ether	0.655 U	0.422 U	0.400	0.387 U	0.370 U	
Tetrachloroethylene (PCE)	7.50	0.573 J	0.615 J	1.43	3.44	
Tetrahydrofuran	0.608 J	0.320 J	0.158 U	0.173 U	0.165 U	
Toluene	4.38	1.82	7.67	17.6	16.0	
Trans-1,2-Dichloroethene	0.587 U	0.378 U	0.316 U	0.346 U	0.331 U	
Trans-1,3-Dichloropropene	0.782 U	0.504 U	0.421 U	0.462 U	0.441 U	
Trichloroethylene (TCE)	0.252 U	0.162 U	0.135 U	0.535	0.454	
Trichlorofluoromethane	0.800 U	0.949	0.963	1.74	3.03	
Vinyl Bromide	0.787 U	0.507 U	0.423 U	0.464 U	0.444 U	
Vinyl Chloride	0.240	0.136 U	0.113 U	0.170 J	0.119 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

UR = Not detected/result is rejected

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-87 GC102 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC102			
	Location ID:	GC102-BA01	GC102-BA02	GC102-BA03	GC102-BA04
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Basement Air	Basement Air	Basement Air
	Date:	3/25/2024	3/25/2024	3/25/2024	3/25/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U	0.58 U	0.58 U	
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U	0.71 U	0.71 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U	0.68 U	0.68 U	
1,1,2-Trichloroethane	0.51 U	0.51 U	0.51 U	0.51 U	
1,1-Dichloroethane	0.30 U	0.30 U	0.30 U	0.30 U	
1,1-Dichloroethene	0.16 U	0.16 U	0.16 U	0.16 U	
1,2,4-Trichlorobenzene	0.55 U	0.55 U	0.55 U	0.55 U	
1,2,4-Trimethylbenzene	0.34 U	0.34 U	0.54 J	0.54 J	
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U	0.50 U	0.50 U	
1,2-Dichlorobenzene	0.69 U	0.69 U	0.69 U	0.69 U	
1,2-Dichloroethane	0.33 U	0.33 U	0.33 U	0.33 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U	0.67 U	0.67 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.35 U	0.35 U	0.35 U	0.35 U	
1,3-Butadiene	0.17 U	0.17 U	0.17 U	0.17 U	
1,3-Dichlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	
1,4-Dichlorobenzene	0.42 U	0.42 U	0.42 U	0.42 U	
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U	0.26 U	0.26 U	
2-Hexanone	0.22 U	0.22 U	0.22 U	0.22 U	
4-Ethyltoluene	0.39 U	0.39 U	0.39 U	0.39 U	
Acetone	11 J	12	12	14	
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U	0.24 U	0.24 U	
Benzene	0.99	0.86	1.3	0.96	
Benzyl Chloride	0.39 U	0.39 U	0.39 U	0.39 U	
Bromodichloromethane	0.60 U	0.60 U	0.60 U	0.60 U	
Bromoform	1.8 U	1.8 U	1.8 U	1.8 U	
Bromomethane	0.29 U	0.29 U	0.29 U	0.29 U	
Carbon Disulfide	0.28 U	0.28 U	0.28 U	0.28 U	
Carbon Tetrachloride	0.19 J	0.25 J	0.25 J	0.25 J	
Chlorobenzene	0.41 U	0.41 U	0.41 U	0.41 U	
Chloroethane	0.27 U	0.27 U	0.27 U	0.27 U	
Chloroform	0.45 U	0.45 U	0.54 J	0.45 U	
Chloromethane (Methyl Chloride)	0.95	0.95	0.93	1.0	
Cis-1,2-Dichloroethylene	0.099 U	0.099 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	0.33 U	
Cyclohexane	0.25 U	0.25 U	0.38 J	0.25 U	
Dibromochloromethane	0.90 U	0.90 U	0.90 U	0.90 U	
Dichlorodifluoromethane	2.3	2.3	2.3	2.3	
Ethylbenzene	1.1	4.6	4.6	7.9	
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	
Isopropanol	8.9 J	28	9.3	15	
m,p-Xylene	4.4	13	14	27	
Methyl Ethyl Ketone (2-Butanone)	1.0	0.77 J	1.0	1.2	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.78 J	0.57 J	1.1 J	1.5	
Methylene Chloride	1.2	0.87	1.7	1.2	
Naphthalene	0.40 U	0.40 U	0.40 U	0.40 U	
N-Heptane	1.6	0.74	1.2	0.86	
N-Hexane	0.56	0.39 J	0.70	0.53	

**Table C-87 GC102 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC102			
	Location ID:	GC102-BA01	GC102-BA02	GC102-BA03	GC102-BA04
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Basement Air	Basement Air	Basement Air
	Date:	3/25/2024	3/25/2024	3/25/2024	3/25/2024
O-Xylene (1,2-Dimethylbenzene)	1.6	5.7	5.5	8.7	
Styrene	0.35 U	0.35 U	0.77	0.35 U	
Tert-Butyl Methyl Ether	0.31 U	0.31 U	0.31 U	0.31 U	
Tetrachloroethylene (PCE)	0.56 U	0.56 U	0.56 U	8.5	
Tetrahydrofuran	0.20 U	0.20 U	0.38 J	0.20 U	
Toluene	2.3	32	3.1	4.4	
Trans-1,2-Dichloroethene	0.71	0.56 J	0.27 U	0.27 U	
Trans-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	0.33 U	
Trichloroethylene (TCE)	0.16 U	0.16 U	0.16 U	0.16 U	
Trichlorofluoromethane	1.2	1.2	1.2	1.2	
Vinyl Bromide	0.36 U	0.36 U	0.36 U	0.36 U	
Vinyl Chloride	0.066 U	0.066 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-87 GC102 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC102				
	Location ID:	GC102-BA05	GC102-BA06	GC102-BA06	GC102-BA07	GC102-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal	Normal
	Sample Matrix:	Basement Air	Basement Air	Basement Air	Basement Air	Outdoor Air
	Date:	3/25/2024	3/25/2024	3/25/2024	3/25/2024	3/25/2024
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	
1,1,2-Trichloroethane	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	
1,1-Dichloroethane	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	
1,1-Dichloroethene	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	
1,2,4-Trichlorobenzene	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	
1,2,4-Trimethylbenzene	0.54 J	0.88	0.84	0.54 J	0.34 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,2-Dichlorobenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	
1,2-Dichloroethane	0.77	0.33 U	0.33 U	0.33 U	0.33 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	
1,3-Butadiene	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	
1,3-Dichlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,4-Dichlorobenzene	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	
2-Hexanone	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	
4-Ethyltoluene	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	
Acetone	18	43 J	44 J	6.6 J	5.3 J	
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	
Benzene	0.93	1.6	1.7	1.1	0.80	
Benzyl Chloride	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	
Bromodichloromethane	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	
Bromoform	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	
Bromomethane	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	
Carbon Disulfide	0.28 U	0.28 U	0.28 U	1.8	0.28 U	
Carbon Tetrachloride	0.25 J	0.31 J	0.31 J	0.31 J	0.31 J	
Chlorobenzene	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	
Chloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	
Chloroform	0.45 U	0.73	0.83	0.45 U	0.45 U	
Chloromethane (Methyl Chloride)	0.91	0.95	0.91	0.93	0.89	
Cis-1,2-Dichloroethylene	0.099 U	0.099 U	0.099 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	
Cyclohexane	0.52	0.79	0.72	0.25 U	0.25 U	
Dibromochloromethane	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	
Dichlorodifluoromethane	2.1	2.2	2.3	2.3	2.3	
Ethylbenzene	5.0	2.0	1.8	2.0	0.25 U	
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
Isopropanol	7.1	4.8	4.9	3.1	1.6	
m,p-Xylene	19	7.5	6.5	8.3	0.74 J	
Methyl Ethyl Ketone (2-Butanone)	1.3	1.4	1.4	0.83 J	0.5 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.2 J	1.1 J	0.90 J	0.57 J	0.27 U	
Methylene Chloride	1.3	2.0	2.0	0.90	0.66	
Naphthalene	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	
N-Heptane	1.8	2.1	2.0	0.70	0.53 J	
N-Hexane	0.46 J	2.6	2.7	0.60	0.20 U	

**Table C-87 GC102 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC102				
	Location ID:	GC102-BA05	GC102-BA06	GC102-BA06	GC102-BA07	GC102-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal	Normal
	Sample Matrix:	Basement Air	Basement Air	Basement Air	Basement Air	Outdoor Air
	Date:	3/25/2024	3/25/2024	3/25/2024	3/25/2024	3/25/2024
O-Xylene (1,2-Dimethylbenzene)	6.7	2.5	2.1	2.3	0.43 U	
Styrene	1.3	1.1	0.98	0.35 U	0.35 U	
Tert-Butyl Methyl Ether	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	
Tetrachloroethylene (PCE)	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	
Tetrahydrofuran	0.65	0.20 U	0.20 U	0.20 U	0.20 U	
Toluene	2.6	6.6	6.1	2.5	1.3	
Trans-1,2-Dichloroethene	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	
Trans-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	
Trichloroethylene (TCE)	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	
Trichlorofluoromethane	1.2	1.2	1.2	1.2	1.2	
Vinyl Bromide	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	
Vinyl Chloride	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-88 GC103 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC103			
	Location ID:	GC103-SV01	GC103-BA01	GC103-FA01	GC103-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/28/2024	3/28/2024	3/28/2024	3/28/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.701 U	0.417 U	0.468 U	0.347 U	
1,1,2,2-Tetrachloroethane	0.504 U	0.300 U	0.336 U	0.249 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.13 U	0.669 U	0.750 U	0.579	
1,1,2-Trichloroethane	0.359 U	0.213 U	0.239 U	0.177 U	
1,1-Dichloroethane	0.514 U	0.305 U	0.343 U	0.254 U	
1,1-Dichloroethene	0.152 U	0.0901 U	0.101 U	0.0749 U	
1,2,4-Trichlorobenzene	0.897 U	0.533 U	0.598 UJ	0.443 UJ	
1,2,4-Trimethylbenzene	1.73 J-	0.402 J-	0.552	0.297 J	
1,2-Dibromoethane (Ethylene Dibromide)	0.470 U	0.279 U	0.313 U	0.232 U	
1,2-Dichlorobenzene	0.598 U	0.355 U	0.399 U	0.295 U	
1,2-Dichloroethane	0.384 U	0.228 U	0.256 U	0.190 U	
1,2-Dichloropropane	0.361 U	0.214 U	0.240 UJ	0.178 UJ	
1,2-Dichlorotetrafluoroethane	1.05 UJ	0.623 UJ	0.699 U	0.518 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.451 J-	0.241 U	0.271 U	0.201 U	
1,3-Butadiene	0.129 UJ	0.0764 UJ	0.0857 UJ	0.0636 UJ	
1,3-Dichlorobenzene	0.616 U	0.366 U	0.411 U	0.305 U	
1,4-Dichlorobenzene	0.828 J-	0.328 U	0.368 U	0.273 U	
1,4-Dioxane (P-Dioxane)	0.458 U	0.272 U	0.305 U	0.226 U	
2-Hexanone	1.07 J-	0.261 J-	0.585 J	0.341 J	
4-Ethyltoluene	1.13 J-	0.340 U	0.381 U	0.282 U	
Acetone	30.3 J-	5.98 J-	170 J	11.7 J	
Allyl Chloride (3-Chloropropene)	0.364 U	0.216 U	0.243 U	0.18 U	
Benzene	1.17 J-	0.436 J-	0.554	0.531	
Benzyl Chloride	0.428 U	0.254 U	0.285 U	0.211 U	
Bromodichloromethane	0.349 U	0.207 U	0.232 U	0.172 U	
Bromoform	0.775 U	0.460 U	0.517 U	0.383 U	
Bromomethane	0.582 U	0.346 U	0.388 U	0.288 U	
Carbon Disulfide	3.43 J-	0.266 U	0.299 U	0.221 U	
Carbon Tetrachloride	0.289 J-	0.343 J-	0.449	0.428	
Chlorobenzene	0.394 U	0.234 U	0.263 U	0.195 U	
Chloroethane	0.258 U	0.153 U	0.172 U	0.128 U	
Chloroform	3.59 J-	0.408 U	0.996	0.34 U	
Chloromethane (Methyl Chloride)	1.01 J-	1.15 J-	1.75 J	1.94 J	
Cis-1,2-Dichloroethylene	1.33 J-	0.0901 U	0.101 U	0.0749 U	
Cis-1,3-Dichloropropene	0.285 U	0.169 U	0.19 UJ	0.141 UJ	
Cyclohexane	0.843 J-	0.269 U	0.302 U	0.224 U	
Dibromochloromethane	0.639 U	0.379 U	0.426 U	0.316 U	
Dichlorodifluoromethane	2.04 J-	2.07 J-	2.07	2.17	
Ethylbenzene	6.44 J-	0.272 U	2.21	0.361	
Hexachlorobutadiene	1.39 UJ	0.824 UJ	0.925 UJ	0.685 UJ	
Isopropanol	5.57 J-	1.83 J-	5.39	18.2	
m,p-Xylene	20.6 J-	0.564 U	7.26	1.28	
Methyl Ethyl Ketone (2-Butanone)	4.51 J-	0.670 J-	1.56	1.03	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.533 U	0.317 U	0.355 UJ	0.263 UJ	
Methylene Chloride	1.17 J-	0.410 J-	0.531 J	8.30	
Naphthalene	1.28 J-	0.477 J-	0.519 UJ	0.384 UJ	
N-Heptane	0.627 J-	0.186 J-	0.376 J	0.589	
N-Hexane	1.29 J-	0.256 U	0.324 J	0.693	
O-Xylene (1,2-Dimethylbenzene)	4.65 J-	0.197 J-	2.08	0.460	
Styrene	0.385 U	0.228 U	0.261 J	0.19 U	

**Table C-88 GC103 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC103			
	Location ID:	GC103-SV01	GC103-BA01	GC103-FA01	GC103-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/28/2024	3/28/2024	3/28/2024	3/28/2024
Tert-Butyl Methyl Ether		0.535 U	0.318 U	0.357 U	0.264 U
Tetrachloroethylene (PCE)		11.4 J-	0.302 U	0.339 U	0.359 J
Tetrahydrofuran		0.239 U	0.142 U	0.159 U	0.118 U
Toluene		9.46 J-	0.788 J-	4.57	1.62
Trans-1,2-Dichloroethene		0.479 U	0.285 U	0.319 U	0.237 U
Trans-1,3-Dichloropropene		0.639 U	0.38 U	0.426 UJ	0.316 UJ
Trichloroethylene (TCE)		12.9 J-	0.122 U	0.137 U	0.102 U
Trichlorofluoromethane		1.38 J-	1.28 J-	1.26	1.27
Vinyl Bromide		0.642 U	0.382 U	0.428 U	0.317 U
Vinyl Chloride		0.172 U	0.102 U	0.115 U	0.085 U

Key:

Qualifiers

J = Estimated value

J- = Estimated value with low bias

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-89 GC104 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC104			
	Location ID:	GC104-SV01	GC104-SV01	GC104-BA01	GC104-OA01
	Sample Type:	Normal	Duplicate	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	2/19/2024	2/19/2024	2/19/2024	2/19/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	1.99	2.86	0.534 U	0.525 U	
1,1,2,2-Tetrachloroethane	0.668 U	0.595 U	0.384 U	0.378 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.49 U	1.33 U	0.856 U	0.843 U	
1,1,2-Trichloroethane	0.476 U	0.424 U	0.273 U	0.269 U	
1,1-Dichloroethane	0.681 U	0.607 U	0.391 U	0.385 U	
1,1-Dichloroethene	0.201 U	0.179 U	0.115 U	0.114 U	
1,2,4-Trichlorobenzene	1.19 UR	1.06 U	0.682 UR	0.672 UR	
1,2,4-Trimethylbenzene	0.598 U	1.24	0.343 U	0.338 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.623 U	0.555 U	0.358 U	0.352 U	
1,2-Dichlorobenzene	0.792 U	0.706 U	0.455 U	0.448 U	
1,2-Dichloroethane	0.509 U	0.453 U	0.292 U	0.288 U	
1,2-Dichloropropane	0.478 U	0.426 U	0.274 U	0.270 U	
1,2-Dichlorotetrafluoroethane	1.39 U	1.24 U	0.797 U	0.785 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.538 U	0.480 U	0.309 U	0.304 U	
1,3-Butadiene	0.170 U	0.152 U	0.0979 U	0.0963 U	
1,3-Dichlorobenzene	0.817 U	0.728 U	0.469 U	0.462 U	
1,4-Dichlorobenzene	0.731 U	0.978 J	0.420 U	0.413 U	
1,4-Dioxane (P-Dioxane)	0.606 U	0.540 U	0.348 U	0.343 U	
2-Hexanone	0.340 U	0.592 J	0.196 U	0.192 U	
4-Ethyltoluene	0.757 U	0.675 U	0.435 U	0.428 U	
Acetone	6.40 J	12.8	10.5 J	2.83 J	
Allyl Chloride (3-Chloropropene)	0.482 U	0.430 U	0.277 U	0.273 U	
Benzene	0.641 U	0.572 U	0.446	0.439	
Benzyl Chloride	0.567 U	0.505 UJ	0.325 U	0.320 U	
Bromodichloromethane	0.462 U	0.412 U	0.265 U	0.261 U	
Bromoform	1.03 U	0.915 U	0.590 U	0.580 U	
Bromomethane	0.771 U	0.688 U	0.443 U	0.436 U	
Carbon Disulfide	1.45	1.52	0.341 U	0.335 U	
Carbon Tetrachloride	0.319 U	0.455 J	0.293	0.288	
Chlorobenzene	0.523 U	0.466 U	0.300 U	0.295 U	
Chloroethane	0.342 U	0.305 U	0.197 U	0.194 U	
Chloroform	0.911 U	0.812 U	0.523 U	0.515 U	
Chloromethane (Methyl Chloride)	0.205 U	0.183 U	1.49	1.16	
Cis-1,2-Dichloroethylene	0.201 U	0.179 U	0.115 U	0.114 U	
Cis-1,3-Dichloropropene	0.377 U	0.336 U	0.217 U	0.213 U	
Cyclohexane	0.600 U	0.535 U	0.345 U	0.339 U	
Dibromochloromethane	0.846 U	0.754 U	0.486 U	0.478 U	
Dichlorodifluoromethane	2.00	2.77	1.96	2.04	
Ethylbenzene	0.607 U	0.628 J	0.349 U	0.343 U	
Hexachlorobutadiene	1.84 U	1.64 U	1.06 U	1.04 U	
Isopropanol	1.40	3.20	8.78	2.08	
m,p-Xylene	1.26 U	2.04	0.723 U	0.712 U	
Methyl Ethyl Ketone (2-Butanone)	0.717	1.39	0.515	0.304 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.830	0.629 U	0.405 U	0.399 U	
Methylene Chloride	1.97	2.76	0.485 J	3.50	

**Table C-89 GC104 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC104			
	Location ID:	GC104-SV01	GC104-SV01	GC104-BA01	GC104-OA01
	Sample Type:	Normal	Duplicate	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	2/19/2024	2/19/2024	2/19/2024	2/19/2024
Naphthalene	1.03 UJ	1.04 U	0.592 UJ	0.583 UJ	
N-Heptane	0.357 U	0.318 U	0.239 J	0.202 U	
N-Hexane	0.572 U	0.510 U	0.328 U	0.323 U	
O-Xylene (1,2-Dimethylbenzene)	0.440 J	0.785	0.152 J	0.119 U	
Styrene	0.509 U	0.462 J	0.293 U	0.288 U	
Tert-Butyl Methyl Ether	0.709 U	0.632 U	0.407 U	0.401 U	
Tetrachloroethylene (PCE)	35.1	39.2	1.42	0.855	
Tetrahydrofuran	0.317 U	0.282 U	0.182 U	0.179 U	
Toluene	2.22	3.54	1.01	0.475	
Trans-1,2-Dichloroethene	0.635 U	0.566 U	0.365 U	0.359 U	
Trans-1,3-Dichloropropene	0.846 U	0.755 U	0.486 U	0.479 U	
Trichloroethylene (TCE)	0.272 U	0.291	0.156 U	0.154 U	
Trichlorofluoromethane	0.911 J	1.62	0.916	0.901	
Vinyl Bromide	0.851 U	0.759 U	0.489 U	0.481 U	
Vinyl Chloride	0.228 U	0.203 U	0.131 U	0.129 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

UR = Not detected/result is rejected

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-90 GC106 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC106		
	Location ID:	GC106-SV01	GC106-BA01	GC106-FA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air
	Date:	3/12/2024	3/12/2024	3/12/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.809 U	0.370 U	0.384 U	
1,1,2,2-Tetrachloroethane	0.582 U	0.266 U	0.276 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.30 U	0.594 U	0.616 U	
1,1,2-Trichloroethane	0.414 U	0.190 U	0.196 U	
1,1-Dichloroethane	0.593 U	0.271 U	0.281 U	
1,1-Dichloroethene	0.175 U	0.0801 U	0.0830 U	
1,2,4-Trichlorobenzene	1.03 UJ	0.474 U	0.491 U	
1,2,4-Trimethylbenzene	0.607 J	0.397	0.494	
1,2-Dibromoethane (Ethylene Dibromide)	0.542 U	0.248 U	0.257 U	
1,2-Dichlorobenzene	0.690 U	0.316 U	0.327 U	
1,2-Dichloroethane	0.443 U	0.203 U	0.210 U	
1,2-Dichloropropane	0.416 U	0.190 U	0.197 U	
1,2-Dichlorotetrafluoroethane	1.21 U	0.554 U	0.573 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.469 U	0.215 U	0.222 U	
1,3-Butadiene	0.148 U	0.0679 U	0.0704 U	
1,3-Dichlorobenzene	0.711 U	0.325 U	0.337 U	
1,4-Dichlorobenzene	0.849 J	0.291 U	0.302 U	
1,4-Dioxane (P-Dioxane)	0.528 U	0.242 U	0.250 U	
2-Hexanone	0.296 U	0.136 U	0.141 U	
4-Ethyltoluene	0.659 U	0.302 U	0.313 U	
Acetone	15.3	6.49	28.9	
Allyl Chloride (3-Chloropropene)	0.420 U	0.192 U	0.199 U	
Benzene	0.620	0.361	0.374	
Benzyl Chloride	0.493 U	0.226 U	0.234 U	
Bromodichloromethane	0.402 U	0.184 U	0.191 U	
Bromoform	0.894 U	0.409 U	0.424 U	
Bromomethane	0.672 U	0.307 U	0.319 U	
Carbon Disulfide	3.30	0.237 U	0.245 U	
Carbon Tetrachloride	0.444	0.356	0.369	
Chlorobenzene	0.455 U	0.208 U	0.216 U	
Chloroethane	0.298 U	0.136 U	0.141 U	
Chloroform	3.10	0.363 U	0.450	
Chloromethane (Methyl Chloride)	0.179 UJ	0.934	1.18	
Cis-1,2-Dichloroethylene	0.175 U	0.0801 U	0.0830 U	
Cis-1,3-Dichloropropene	0.328 U	0.150 U	0.156 U	
Cyclohexane	0.522 U	0.239 U	0.248 U	
Dibromochloromethane	0.737 U	0.337 U	0.349 U	
Dichlorodifluoromethane	2.53	2.08	2.11	
Ethylbenzene	0.690 J	0.242 U	0.251 U	

**Table C-90 GC106 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC106		
	Location ID:	GC106-SV01	GC106-BA01	GC106-FA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air
	Date:	3/12/2024	3/12/2024	3/12/2024
Hexachlorobutadiene	1.60 U	0.732 U	0.759 U	
Isopropanol	4.21 J	2.44	11.1	
m,p-Xylene	2.45	0.502 U	0.618 J	
Methyl Ethyl Ketone (2-Butanone)	1.15 U	0.596 U	0.716 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.08	0.281 U	0.291 U	
Methylene Chloride	2.82	0.449 J	0.523 J	
Naphthalene	0.897 U	0.411 U	0.439 U	
N-Heptane	0.723	0.232 J	0.377	
N-Hexane	0.498 U	0.228 J	0.236 U	
O-Xylene (1,2-Dimethylbenzene)	0.920	0.175 J	0.254 J	
Styrene	0.601 J	0.203 U	0.210 U	
Tert-Butyl Methyl Ether	0.617 U	0.283 U	0.293 U	
Tetrachloroethylene (PCE)	54.9	0.877	0.284 J	
Tetrahydrofuran	0.312 J	0.126 U	0.131 U	
Toluene	5.25	0.518	0.186 U	
Trans-1,2-Dichloroethene	0.553 U	0.253 U	0.262 U	
Trans-1,3-Dichloropropene	0.737 U	0.337 U	0.349 U	
Trichloroethylene (TCE)	1.33	0.109 U	0.112 U	
Trichlorofluoromethane	1.29	1.09	1.13	
Vinyl Bromide	0.741 U	0.339 U	0.351 U	
Vinyl Chloride	0.199 UJ	0.0909 U	0.0941 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-91 GC107 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC107	
	Location ID:	GC107-BA01	GC107-FA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air
	Date:	2/27/2024	2/27/2024
VOCs by Method TO15 (µg/m3)			
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.42 J	0.45 J	
1,1,2-Trichloroethane	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	1.0	0.89 J	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.23 U	0.23 U	
1,3-Butadiene	0.086 U	0.086 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	
1,4-Dichlorobenzene	1.0 J	12	
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	
2-Hexanone	0.61 U	0.61 U	
4-Ethyltoluene	0.24 U	0.24 U	
Acetone	9.9 J	20	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	
Benzene	0.76	0.83	
Benzyl Chloride	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	
Carbon Disulfide	0.62 J	0.40 U	
Carbon Tetrachloride	0.39	0.39	
Chlorobenzene	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	
Chloroform	0.20 U	0.64 J	
Chloromethane (Methyl Chloride)	0.93 J	1.1	
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	
Cyclohexane	0.46 J	0.47 J	
Dibromochloromethane	0.54 U	0.54 U	
Dichlorodifluoromethane	2.1 J	2.1 J	
Ethylbenzene	0.87	0.83 J	
Hexachlorobutadiene	1.2 U	1.2 U	
Isopropanol	3.9 U	10 J	
m,p-Xylene	1.1 J	1.3 J	
Methyl Ethyl Ketone (2-Butanone)	1.7	1.6	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.53 U	0.53 U	
Methylene Chloride	0.63 U	0.69 J	
Naphthalene	1.6 U	1.6 U	
N-Heptane	0.87	1.1	
N-Hexane	0.77 J	0.72 J	
O-Xylene (1,2-Dimethylbenzene)	0.50 J	0.52 J	
Styrene	0.25 U	0.25 U	

**Table C-91 GC107 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC107	
	Location ID:	GC107-BA01	GC107-FA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air
	Date:	2/27/2024	2/27/2024
Tert-Butyl Methyl Ether		0.13 U	0.13 U
Tetrachloroethylene (PCE)		0.30 J	0.38 J
Tetrahydrofuran		3.8 U	3.8 U
Toluene		2.2	3.1
Trans-1,2-Dichloroethene		0.091 U	0.091 U
Trans-1,3-Dichloropropene		0.25 U	0.25 U
Trichloroethylene (TCE)		0.13 U	0.13 U
Trichlorofluoromethane		1.1	1.1
Vinyl Bromide		0.22 U	0.22 U
Vinyl Chloride		0.054 U	0.054 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-92 GC108 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC108				
	Location ID:	GC108-SV01	GC108-FA01	GC108-SV02	GC108-FA02	GC108-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	Sub-slab Vapor	First Floor Air	Outdoor Air
	Date:	3/14/2024	3/14/2024	3/14/2024	3/14/2024	3/14/2024
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	26.3	0.402 U	127	0.445 U	0.580 U	
1,1,2,2-Tetrachloroethane	3.05 U	0.289 U	1.03 U	0.320 U	0.417 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	6.81 U	0.644 U	2.30 U	0.714 U	0.931 U	
1,1,2-Trichloroethane	2.17 U	0.206 U	0.734 U	0.228 U	0.297 U	
1,1-Dichloroethane	3.11 U	0.294 U	1.52	0.326 U	0.425 U	
1,1-Dichloroethene	0.918 U	0.0868 U	0.310 U	0.0962 U	0.125 U	
1,2,4-Trichlorobenzene	5.43 U	0.514 U	1.83 U	0.569 U	0.742 U	
1,2,4-Trimethylbenzene	10.9	0.861	3.84	1.00	9.90	
1,2-Dibromoethane (Ethylene Dibromide)	2.85 U	0.269 U	0.961 U	0.298 U	0.389 U	
1,2-Dichlorobenzene	3.62 U	0.342 U	1.22 U	0.379 U	0.495 U	
1,2-Dichloroethane	2.32 U	0.220 U	0.785 U	0.244 U	0.318 U	
1,2-Dichloropropane	2.18 U	0.206 U	0.737 U	0.229 U	0.298 U	
1,2-Dichlorotetrafluoroethane	6.34 U	0.600 U	2.14 U	0.665 U	0.867 U	
1,3,5-Trimethylbenzene (Mesitylene)	6.37	0.233 U	1.85	0.258 U	4.54	
1,3-Butadiene	0.778 U	0.0736 U	0.263 U	0.0816 U	0.106 U	
1,3-Dichlorobenzene	3.73 U	0.353 U	1.26 U	0.391 U	0.510 U	
1,4-Dichlorobenzene	3.34 U	0.316 U	1.13 J	0.350 U	0.457 U	
1,4-Dioxane (P-Dioxane)	18.0	0.262 U	3.83	0.290 U	0.379 U	
2-Hexanone	11.0	0.431 J	1.67 J	1.75	1.30	
4-Ethyltoluene	4.55	0.560	1.85	0.573	8.28	
Acetone	447	13.5	48.1	19.7	6.38	
Allyl Chloride (3-Chloropropene)	2.20 U	0.208 U	0.744 U	0.231 U	0.301 U	
Benzene	2.93 U	1.40	1.30	1.24	0.566	
Benzyl Chloride	2.59 U	0.245 U	0.874 U	0.271 U	0.354 U	
Bromodichloromethane	2.11 U	0.200 U	0.712 U	0.221 U	0.288 U	
Bromoform	4.69 U	0.444 U	1.58 U	0.492 U	0.641 U	
Bromomethane	3.52 U	0.333 U	1.19 U	0.370 U	0.482 U	
Carbon Disulfide	2.88	0.256 U	4.48	0.284 U	0.371 U	
Carbon Tetrachloride	23.3	0.386	98.6	0.550	0.478	
Chlorobenzene	2.39 U	0.226 U	0.806 U	0.250 U	0.326 U	
Chloroethane	1.56 U	0.148 U	0.528 U	0.164 U	0.214 U	
Chloroform	288	0.393 U	216	1.80	0.569 U	
Chloromethane (Methyl Chloride)	1.91	1.18	0.452 J	1.22	1.86	
Cis-1,2-Dichloroethylene	0.918 U	0.0868 U	0.310 U	0.0962 U	0.125 U	
Cis-1,3-Dichloropropene	1.72 U	0.163 U	0.582 U	0.181 U	0.236 U	
Cyclohexane	2.74 U	0.543	0.926 U	1.47	1.39	
Dibromochloromethane	3.87 U	0.366 U	1.31 U	0.405 U	0.528 U	
Dichlorodifluoromethane	4.12 U	2.08	2.17	1.92	3.13	
Ethylbenzene	2.77 U	1.29	0.951 J	0.928	5.50	
Hexachlorobutadiene	8.39 U	0.794 U	2.84 U	0.880 U	1.15 U	
Isopropanol	64.4	4.54	14.0	117	1.15	
m,p-Xylene	6.43 J	3.39	3.53	2.66	8.63	
Methyl Ethyl Ketone (2-Butanone)	50.5	1.81	3.14	3.64	1.49	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	6.45	1.83	1.09 U	0.875	0.441 U	
Methylene Chloride	3.54 J	0.548 J	3.26	0.877	0.616 J	
Naphthalene	7.28 J	0.781 J	1.59 U	0.814 J	0.644 U	
N-Heptane	4.17	1.01	0.641 J	1.83	0.571	
N-Hexane	2.61 U	1.61	0.882 U	2.81	0.714	

**Table C-92 GC108 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC108				
	Location ID:	GC108-SV01	GC108-FA01	GC108-SV02	GC108-FA02	GC108-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	First Floor Air	Sub-slab Vapor	First Floor Air	Outdoor Air
	Date:	3/14/2024	3/14/2024	3/14/2024	3/14/2024	3/14/2024
O-Xylene (1,2-Dimethylbenzene)	2.81 J	0.951	1.49	0.885	2.09	
Styrene	2.33 U	0.220 U	0.933 J	0.244 U	0.318 U	
Tert-Butyl Methyl Ether	3.24 U	0.306 U	1.09 U	0.340 U	0.443 U	
Tetrachloroethylene (PCE)	49.0	0.416 J	305	0.988	0.421 U	
Tetrahydrofuran	1.45 U	0.137 U	0.489 U	0.152 U	0.198 U	
Toluene	9.42	3.43	5.30	5.01	1.10	
Trans-1,2-Dichloroethene	2.90 U	0.274 U	0.980 U	0.304 U	0.397 U	
Trans-1,3-Dichloropropene	3.87 U	0.366 U	1.31 U	0.405 U	0.529 U	
Trichloroethylene (TCE)	18.4	0.118 U	131	1.04	0.170 U	
Trichlorofluoromethane	3.95 U	1.23	1.34 U	1.15	1.78	
Vinyl Bromide	3.89 U	0.368 U	1.31 U	0.408 U	0.532 U	
Vinyl Chloride	1.04 U	0.0985 U	0.352 U	0.109 U	0.142 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-93 GC110 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC110			
	Location ID:	GC110-SV01	GC110-BA01	GC110-SV02	GC110-BA02
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air
	Date:	3/18/2024	3/18/2024	3/18/2024	3/18/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.758 U	0.424 U	3.36 U	0.455 U	
1,1,2,2-Tetrachloroethane	0.545 U	0.305 U	2.41 U	0.327 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.22 U	0.681 U	5.39 U	0.730 U	
1,1,2-Trichloroethane	0.388 U	0.217 U	1.72 U	0.233 U	
1,1-Dichloroethane	0.556 U	0.311 U	2.46 U	0.333 U	
1,1-Dichloroethene	0.164 U	0.0917 U	0.726 U	0.0983 U	
1,2,4-Trichlorobenzene	0.970 U	0.542 U	4.29 U	0.582 U	
1,2,4-Trimethylbenzene	2.11	0.273 U	2.16 U	0.293 J	
1,2-Dibromoethane (Ethylene Dibromide)	0.508 U	0.284 U	2.25 U	0.305 U	
1,2-Dichlorobenzene	0.646 U	0.361 U	2.86 U	0.388 U	
1,2-Dichloroethane	0.415 U	0.232 U	1.84 U	0.249 U	
1,2-Dichloropropane	0.390 U	0.218 U	1.73 U	0.234 U	
1,2-Dichlorotetrafluoroethane	1.13 U	0.634 U	132	2.91	
1,3,5-Trimethylbenzene (Mesitylene)	0.732 J	0.246 U	1.94 U	0.263 U	
1,3-Butadiene	0.139 U	0.0778 U	0.615 U	0.176 J	
1,3-Dichlorobenzene	0.666 U	0.373 U	2.95 U	0.400 U	
1,4-Dichlorobenzene	1.79	0.334 U	2.64 U	0.358 U	
1,4-Dioxane (P-Dioxane)	0.495 U	0.277 U	2.19 U	0.297 U	
2-Hexanone	0.278 UJ	0.530 J	5.40 J	0.366 J	
4-Ethyltoluene	1.71	0.346 U	2.73 U	0.371 U	
Acetone	0.385 U	10.1	770	13.3	
Allyl Chloride (3-Chloropropene)	0.393 U	0.220 U	1.74 U	0.435 J	
Benzene	2.32	0.709	2.32 U	0.570	
Benzyl Chloride	0.462 U	0.259 U	2.05 U	0.277 U	
Bromodichloromethane	0.377 U	0.211 U	1.67 U	0.399 J	
Bromoform	0.838 U	0.469 U	3.71 U	0.502 U	
Bromomethane	0.629 U	0.352 U	2.79 U	0.377 U	
Carbon Disulfide	6.70	0.271 U	10.3	0.290 U	
Carbon Tetrachloride	0.728	0.291	1.15 U	0.437	
Chlorobenzene	0.426 U	0.238 U	1.89 U	0.256 U	
Chloroethane	0.279 U	0.156 U	1.24 U	0.168 U	
Chloroform	0.743 U	1.13	3.29 U	1.79	
Chloromethane (Methyl Chloride)	0.854 J	0.745 J	19.5 J	0.758 J	
Cis-1,2-Dichloroethylene	0.164 U	0.0917 U	0.726 U	0.157 J	
Cis-1,3-Dichloropropene	0.308 U	0.172 U	1.36 U	0.185 U	
Cyclohexane	1.48	0.274 U	2.17 U	0.294 U	
Dibromochloromethane	0.690 U	0.386 U	3.06 U	0.761 J	
Dichlorodifluoromethane	2.21	1.37	3.26 U	2.31	
Ethylbenzene	2.23	0.277 U	2.19 U	0.297 U	
Hexachlorobutadiene	1.50 U	0.839 U	6.64 U	0.899 U	
Isopropanol	124	18.9	231	55.7	
m,p-Xylene	8.40	0.574 U	4.54 U	0.775 J	
Methyl Ethyl Ketone (2-Butanone)	11.6	1.47	20.7	2.63	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2.30	0.322 U	3.60	0.345 U	
Methylene Chloride	2.47	0.289 J	5.59	0.413 J	

**Table C-93 GC110 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC110			
	Location ID:	GC110-SV01	GC110-BA01	GC110-SV02	GC110-BA02
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air
	Date:	3/18/2024	3/18/2024	3/18/2024	3/18/2024
Naphthalene	4.68	0.470 U	3.72 U	0.504 U	
N-Heptane	3.73	0.341 J	1.29 U	0.610	
N-Hexane	3.03	0.293 J	2.06 U	0.490	
O-Xylene (1,2-Dimethylbenzene)	3.09	0.161 J	1.59 J	0.302 J	
Styrene	2.33	0.232 U	1.84 U	0.296 J	
Tert-Butyl Methyl Ether	0.578 U	0.323 U	2.56 U	0.347 U	
Tetrachloroethylene (PCE)	14.4	0.816	9.93	1.08	
Tetrahydrofuran	0.683 J	0.145 U	1.14 U	0.155 U	
Toluene	12.8	1.81	8.00	3.70	
Trans-1,2-Dichloroethene	0.518 U	0.290 U	2.29 U	0.311 U	
Trans-1,3-Dichloropropene	0.691 U	0.386 U	3.06 U	0.414 U	
Trichloroethylene (TCE)	0.356	0.447	0.983 U	0.133 U	
Trichlorofluoromethane	1.49	0.780	3.13 U	1.23	
Vinyl Bromide	0.695 U	0.388 U	3.07 U	0.417 U	
Vinyl Chloride	0.186 U	0.104 U	3.74	0.112 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-94 GC110 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Property ID: GC110	
Location ID: GC110-WG01	
Sample Type: Normal	
Date: 03/22/24	
Analyte	
Volatile Organic Compounds by Method 8260D (µg/L)	
1,1,1-Trichloroethane (TCA)	0.24 U
1,1,2,2-Tetrachloroethane	0.37 U
1,1,2-Trichloroethane	0.20 U
1,1-Dichloroethane	0.26 U
1,1-Dichloroethene	0.26 U
1,2-Dichloroethane	0.43 U
1,2-Dichloropropane	0.35 U
2-Hexanone	1.1 U
Acetone	17
Benzene	0.20 U
Bromodichloromethane	0.70 J
Bromoform	0.54 U
Bromomethane	0.55 U
Carbon Disulfide	0.82 U
Carbon Tetrachloride	0.21 U
Chlorobenzene	0.38 U
Chloroethane	0.32 U
Chloroform	22
Chloromethane (Methyl Chloride)	0.40 UJ
Cis-1,2-Dichloroethylene	0.22 U
Cis-1,3-Dichloropropene	0.22 U
Dibromochloromethane	0.28 U
Ethylbenzene	0.30 U
Methyl Ethyl Ketone (2-Butanone)	1.9 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.3 U
Methylene Chloride	2.1
Styrene	0.42 U
Tetrachloroethylene (PCE)	0.25 U
Toluene	0.38 U
Trans-1,2-Dichloroethene	0.24 U
Trans-1,3-Dichloropropene	0.22 U
Trichloroethylene (TCE)	0.31 U
Vinyl Chloride	0.17 U
Xylenes	0.65 U
Semivolatile Organic Compounds by Method SW8270E (µg/L)	
1,2,4,5-Tetrachlorobenzene	1.2 U
1,4-Dioxane (P-Dioxane)	1.6 U
2,3,4,6-Tetrachlorophenol	0.75 U
2,4,5-Trichlorophenol	0.88 U
2,4,6-Trichlorophenol	0.86 U
2,4-Dichlorophenol	1.1 U
2,4-Dimethylphenol	0.62 U
2,4-Dinitrophenol	2.6 U
2,4-Dinitrotoluene	1.0 U
2,6-Dinitrotoluene	0.83 U
2-Chloronaphthalene	1.2 U
2-Chlorophenol	0.38 U
2-Methylnaphthalene	0.53 U
2-Methylphenol (O-Cresol)	0.67 U

**Table C-94 GC110 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC110
	Location ID:	GC110-WG01
	Sample Type:	Normal
	Date:	03/22/24
2-Nitroaniline		0.47 U
2-Nitrophenol		0.75 U
3,3'-Dichlorobenzidine		1.4 U
3-Nitroaniline		1.9 U
4,6-Dinitro-2-Methylphenol		3.0 U
4-Bromophenyl Phenyl Ether		0.75 U
4-Chloro-3-Methylphenol		0.58 U
4-Chloroaniline		1.9 U
4-Chlorophenyl Phenyl Ether		1.3 U
4-Nitroaniline		1.2 U
4-Nitrophenol		4.0 U
Acenaphthene		1.1 U
Acenaphthylene		0.82 U
Acetophenone		2.3 U
Anthracene		1.3 U
Atrazine		1.3 U
Benzaldehyde		2.1 UJ
Benzo(A)Anthracene		0.59 U
Benzo(A)Pyrene		0.41 U
Benzo(B)Fluoranthene		0.68 U
Benzo(G,H,I)Perylene		0.70 U
Benzo(K)Fluoranthene		0.67 U
Benzyl Butyl Phthalate		0.85 U
Biphenyl (Diphenyl or 1,1'-Biphenyl)		1.2 U
Bis(2-Chloroethoxy) Methane		0.59 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		0.63 U
Bis(2-Chloroisopropyl) Ether		0.63 U
Bis(2-Ethylhexyl) Phthalate		3.1
Caprolactam		2.2 U
Carbazole		0.68 U
Chrysene		0.91 U
Cresols, M & P		53
Dibenz(A,H)Anthracene		0.72 U
Dibenzofuran		1.1 U
Diethyl Phthalate		0.98 U
Dimethyl Phthalate		0.77 U
Di-N-Butyl Phthalate		0.84 U
Di-N-Octylphthalate		0.75 U
Fluoranthene		0.84 U
Fluorene		0.91 U
Hexachlorobenzene		0.40 U
Hexachlorobutadiene		0.78 U
Hexachlorocyclopentadiene		3.6 U
Hexachloroethane		0.80 U
Indeno(1,2,3-C,D)Pyrene		0.94 U
Isophorone		0.80 U
Naphthalene		0.54 U
Nitrobenzene		0.57 U
N-Nitrosodi-N-Propylamine		0.43 U
N-Nitrosodiphenylamine		0.89 U

**Table C-94 GC110 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Property ID: GC110	
Location ID: GC110-WG01	
Sample Type: Normal	
Date: 03/22/24	
Analyte	
Pentachlorophenol	1.4 U
Phenanthrene	1.3 U
Phenol	18
Pyrene	1.6 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/L = Micrograms per liter

**Table C-95 GC111 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC111					
	GC111-SV01	GC111-BA01	GC111-SV02	GC111-BA02	GC111-SV03	GC111-BA03
	Normal	Normal	Normal	Normal	Normal	Normal
	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air
Analyte	3/9/2024	3/9/2024	3/9/2024	3/9/2024	3/9/2024	3/9/2024
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	8.68	0.475 U	6.39	0.399 U	11.0 J-	0.382 U
1,1,2,2-Tetrachloroethane	0.519 U	0.342 U	0.942 U	0.287 U	0.765 U	0.275 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.16 U	0.763 U	2.1 U	0.64 U	1.71 U	0.639
1,1,2-Trichloroethane	0.37 U	0.243 U	0.671 U	0.204 U	0.545 U	0.196 U
1,1-Dichloroethane	0.529 U	0.348 U	0.96 U	0.292 U	0.78 U	0.28 U
1,1-Dichloroethene	0.156 U	0.103 U	0.283 U	0.0862 U	0.23 U	0.0827 U
1,2,4-Trichlorobenzene	0.923 UJ	0.608 UJ	1.68 UJ	0.51 U	1.36 U	0.489 UJ
1,2,4-Trimethylbenzene	1.16	0.306 J	2.81	0.642 J-	1.60 J-	2.91
1,2-Dibromoethane (Ethylene Dibromide)	0.484 U	0.319 U	0.878 U	0.267 U	0.714 U	0.256 U
1,2-Dichlorobenzene	0.616 U	0.405 U	1.12 U	0.34 U	0.908 U	0.326 U
1,2-Dichloroethane	0.395 U	0.26 U	0.717 U	0.218 U	0.583 U	0.209 U
1,2-Dichloropropane	0.371 U	0.244 U	0.674 U	0.205 U	0.547 U	0.197 U
1,2-Dichlorotetrafluoroethane	1.08 U	0.71 UJ	1.96 U	0.596 U	1.59 U	0.571 U
1,3,5-Trimethylbenzene (Mesitylene)	0.465 J	0.275 U	1.12 J	0.231 U	0.617 U	0.779
1,3-Butadiene	0.132 U	0.0872 UJ	0.24 U	0.0731 U	0.195 U	0.0701 U
1,3-Dichlorobenzene	0.634 U	0.418 U	1.15 U	0.35 U	0.936 U	0.336 U
1,4-Dichlorobenzene	1.42	0.374 U	1.03 J	0.314 U	0.838 J-	0.301 U
1,4-Dioxane (P-Dioxane)	0.471 U	0.31 U	0.855 U	0.26 U	0.695 U	0.249 U
2-Hexanone	0.265 U	0.174 UJ	0.48 U	0.146 U	0.39 U	0.273 J
4-Ethyltoluene	0.929	0.387 U	1.83	0.342 J-	0.868 U	1.35
Acetone	77.4	5.42 J	95.6	5.08 J-	62.9 J-	6.46
Allyl Chloride (3-Chloropropene)	0.375 U	0.247 U	0.68 U	0.207 U	0.553 U	0.198 U
Benzene	0.704	0.596	0.913	0.556 J-	0.891 J-	0.799
Benzyl Chloride	0.44 U	0.29 U	0.799 U	0.243 U	0.649 U	0.233 U
Bromodichloromethane	0.359 U	0.236 U	0.651 U	0.198 U	0.529 U	0.19 U
Bromoform	0.798 U	0.525 U	1.45 U	0.441 U	1.18 U	0.422 U
Bromomethane	0.599 U	0.395 U	1.09 U	0.331 U	0.884 U	0.317 U
Carbon Disulfide	6.43	0.304 U	11.0	0.255 U	10.6 J-	0.244 U
Carbon Tetrachloride	0.248 U	0.326	0.45 U	0.328 J-	0.585 J-	0.525
Chlorobenzene	0.406 U	0.267 U	0.737 U	0.224 U	0.599 U	0.215 U
Chloroethane	0.266 U	0.175 U	0.483 U	0.147 U	0.392 U	0.141 U
Chloroform	1.46	0.466 U	1.40	0.391 U	17.5 J-	0.375 U
Chloromethane (Methyl Chloride)	0.159 UJ	1.33 J	0.289 UJ	1.06 J-	0.235 U	1.64 J
Cis-1,2-Dichloroethylene	2.00	0.103 U	6.46	0.0862 U	0.23 U	0.0827 U
Cis-1,3-Dichloropropene	0.293 U	0.193 U	0.532 U	0.162 U	0.432 U	0.155 U
Cyclohexane	0.466 U	0.307 U	0.984	0.258 U	1.04 J-	0.247 U
Dibromochloromethane	0.657 U	0.433 U	1.19 U	0.363 U	0.97 U	0.348 U
Dichlorodifluoromethane	4.36	3.18	3.53	2.45 J-	1.03 U	2.80
Ethylbenzene	0.889	0.311 U	1.24	0.264 J-	0.807 J-	0.362
Hexachlorobutadiene	1.43 U	0.94 U	2.59 U	0.789 U	2.11 U	0.756 U
Isopropanol	8.71 J	0.245 U	13.1 J	3.36 J-	9.76 J-	2.52 J
m,p-Xylene	3.42	0.644 U	5.09	0.680 J-	3.53 J-	1.23
Methyl Ethyl Ketone (2-Butanone)	4.88	0.673 U	8.77	0.641 J-	5.07 J-	1.13 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.16	0.361 UJ	3.98	0.392 J-	0.809 U	0.29 U
Methylene Chloride	5.96	0.468 J	8.54	0.514 J-	5.49 J-	1.04
Naphthalene	0.801 U	0.527 UJ	1.45 U	0.456 U	1.18 U	2.58
N-Heptane	0.904	0.298 U	1.41	0.285 J-	0.857 J-	0.547
N-Hexane	0.500 J	0.292 U	2.42	0.245 U	0.901 J-	0.294
O-Xylene (1,2-Dimethylbenzene)	1.57	0.225 J	2.36	0.264 J-	1.51 J-	0.543
Styrene	1.01	0.265 J	1.10 J	0.219 U	0.792 J-	0.213 J
Tert-Butyl Methyl Ether	0.551 U	0.363 U	0.999 U	0.304 U	0.812 U	0.292 U
Tetrachloroethylene (PCE)	26.1	0.345 U	24.0	0.289 U	7.41 J-	0.283 J
Tetrahydrofuran	0.883 J	0.162 U	1.01 J	0.136 U	0.363 U	0.13 U
Toluene	5.58	1.02	8.19	0.918 J-	8.84 J-	1.19
Trans-1,2-Dichloroethene	0.493 U	0.325 U	0.895 U	0.273 U	0.728 U	0.261 U
Trans-1,3-Dichloropropene	0.658 U	0.433 U	1.19 U	0.363 U	0.97 U	0.348 U
Trichloroethylene (TCE)	0.762	0.139 U	0.461	0.140 J-	0.499 J-	0.269
Trichlorofluoromethane	1.33	1.05	1.45 J	1.08 J-	1.31 J-	1.27
Vinyl Bromide	0.661 U	0.435 U	1.2 U	0.365 U	0.975 U	0.35 U
Vinyl Chloride	0.177 UJ	0.117 UJ	0.321 UJ	0.0979 U	0.261 U	0.0938 UJ

Key:

Qualifiers

- J = Estimated value
- J- = Estimated value with low bias
- U = Not detected (method detection limit shown)
- UJ = Not detected/estimated detection limit

Other

- µg/m3 = Micrograms per cubic meter
- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-95 GC111 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC111				
	Location ID:	GC111-SV04	GC111-BA04	GC111-SV05	GC111-SV05	GC111-BA05
	Sample Type:	Normal	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Sub-slab Vapor	Basement Air
Date:	3/9/2024	3/9/2024	3/9/2024	3/9/2024	3/9/2024	
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.626 U	0.455 U	1.57 U	1.52 U	0.484 U	
1,1,2,2-Tetrachloroethane	0.45 U	0.327 U	1.13 U	1.09 U	0.348 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1 U	0.73 U	2.52 U	2.44 U	0.776 U	
1,1,2-Trichloroethane	0.32 U	0.233 U	0.804 U	0.777 U	0.248 U	
1,1-Dichloroethane	0.459 U	0.333 U	1.15 U	1.11 U	0.354 U	
1,1-Dichloroethene	0.135 U	0.0983 U	0.34 U	0.328 U	0.105 U	
1,2,4-Trichlorobenzene	0.8 UJ	0.582 UJ	2.01 UJ	1.94 U	0.619 UJ	
1,2,4-Trimethylbenzene	0.537 J	0.536	4.88	5.53 J-	0.778	
1,2-Dibromoethane (Ethylene Dibromide)	0.42 U	0.305 U	1.05 U	1.02 U	0.324 U	
1,2-Dichlorobenzene	0.533 U	0.388 U	1.34 U	1.29 U	0.412 U	
1,2-Dichloroethane	0.343 U	0.249 U	0.86 U	0.831 U	0.265 U	
1,2-Dichloropropane	0.322 U	0.234 U	0.807 U	0.78 U	0.249 U	
1,2-Dichlorotetrafluoroethane	0.935 U	0.68 UJ	2.35 U	2.27 U	0.723 UJ	
1,3,5-Trimethylbenzene (Mesitylene)	0.362 U	0.263 U	2.36	2.44 J-	0.28 U	
1,3-Butadiene	0.115 U	0.0834 UJ	0.288 U	0.278 U	0.0887 UJ	
1,3-Dichlorobenzene	0.55 U	0.4 U	1.38 U	1.33 U	0.425 U	
1,4-Dichlorobenzene	0.492 U	0.358 U	1.24 U	1.19 U	0.381 U	
1,4-Dioxane (P-Dioxane)	0.408 U	0.297 U	1.02 U	0.99 U	0.316 U	
2-Hexanone	2.18 J	2.40 J	2.67 J	2.98 J-	0.177 UJ	
4-Ethyltoluene	0.51 U	0.390 J	5.89	5.21 J-	0.674	
Acetone	157	116 J	175 J	171 J-	85.9 J	
Allyl Chloride (3-Chloropropene)	0.325 U	0.236 U	0.815 U	0.787 U	0.251 U	
Benzene	0.432 U	0.602	2.30	2.01 J-	0.640	
Benzyl Chloride	0.382 U	0.277 U	0.958 U	0.925 U	0.295 U	
Bromodichloromethane	0.311 U	0.226 U	0.78 U	0.754 U	0.24 U	
Bromoform	0.691 U	0.502 U	1.74 U	1.68 U	0.534 U	
Bromomethane	0.519 U	0.377 U	1.3 U	1.26 U	0.401 U	
Carbon Disulfide	2.59	0.29 U	6.19	4.84 J-	0.309 U	
Carbon Tetrachloride	0.215 U	0.312	0.539 U	0.521 U	0.332	
Chlorobenzene	0.352 U	0.256 U	0.883 U	0.853 U	0.272 U	
Chloroethane	0.23 U	0.168 U	0.579 U	0.559 U	0.178 U	
Chloroform	0.613 U	0.446 U	35.1	30.1 J-	0.474 U	
Chloromethane (Methyl Chloride)	0.138 UJ	1.60 J	0.920	0.335 U	1.53 J	
Cis-1,2-Dichloroethylene	0.135 U	0.0983 U	0.34 U	0.328 U	0.105 U	
Cis-1,3-Dichloropropene	0.254 U	0.185 U	0.638 U	0.616 U	0.196 U	
Cyclohexane	0.404 U	0.294 U	2.12	1.71 J-	0.312 U	
Dibromochloromethane	0.57 U	0.414 U	1.43 U	1.38 U	0.44 U	
Dichlorodifluoromethane	1.55	3.14	2.54	2.46 J-	2.14	
Ethylbenzene	0.474 J	0.388 J	8.18	7.33 J-	0.316 U	
Hexachlorobutadiene	1.24 U	0.899 U	3.11 U	3 U	0.956 U	
Isopropanol	23.8 J	9.29	19.5	20.3 J-	5.37	
m,p-Xylene	1.60	1.21	31.8	28.9 J-	0.779 J	
Methyl Ethyl Ketone (2-Butanone)	7.41	11.9	15.5	15.7 J-	1.71	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.12	0.345 UJ	1.68 J	2.31 J-	0.367 UJ	
Methylene Chloride	2.61	0.551 J	2.98	2.53 J-	0.550 J	
Naphthalene	0.694 U	0.504 UJ	1.74 UJ	1.91 J-	0.536 UJ	
N-Heptane	0.504 J	0.175 U	118	117 J-	0.303 U	
N-Hexane	0.385 U	0.28 U	59.3	55.2 J-	0.297 U	
O-Xylene (1,2-Dimethylbenzene)	0.770	0.517	10.3	9.49 J-	0.321 J	
Styrene	0.523 J	0.338 J	1.02 J	1.13 J-	0.265 U	
Tert-Butyl Methyl Ether	0.477 U	0.347 U	1.2 U	1.16 U	0.369 U	
Tetrachloroethylene (PCE)	1.11	0.33 U	3.72	3.59 J-	0.351 U	
Tetrahydrofuran	0.483 J	0.155 U	0.808 J	0.517 U	0.165 U	
Toluene	2.01	1.42	5.16	4.49 J-	1.23	
Trans-1,2-Dichloroethene	0.428 U	0.311 U	1.07 U	1.04 U	0.33 U	
Trans-1,3-Dichloropropene	0.57 U	0.414 U	1.43 U	1.38 U	0.441 U	
Trichloroethylene (TCE)	0.183 U	0.133 U	0.46 U	0.534 J-	0.283	
Trichlorofluoromethane	0.690 J	1.06	1.46 U	1.41 U	1.01	
Vinyl Bromide	0.573 U	0.417 U	1.44 U	1.39 U	0.443 U	
Vinyl Chloride	0.154 UJ	0.112 UJ	0.385 UJ	0.372 U	0.119 UJ	

Key:

Qualifiers

- J = Estimated value
- J- = Estimated value with low bias
- U = Not detected (method detection limit shown)
- UJ = Not detected/estimated detection limit

Other

- µg/m3 = Micrograms per cubic meter
- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-95 GC111 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date:	GC111					
	GC111-FA01	GC111-FA02	GC111-FA03	GC111-FA04	GC111-FA05	GC111-OA01
	Normal	Normal	Normal	Normal	Normal	Normal
	First Floor Air 3/9/2024	First Floor Air 3/9/2024	First Floor Air 3/9/2024	First Floor Air 3/9/2024	First Floor Air 3/9/2024	Outdoor Air 3/9/2024
Analyte						
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.644 U	0.457 U	0.397 U	0.38 U	0.5 U	0.413 U
1,1,2,2-Tetrachloroethane	0.463 U	0.329 U	0.285 U	0.274 U	0.359 U	0.297 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.03 U	0.734 U	0.637 U	0.611 U	0.802 U	0.664 U
1,1,2-Trichloroethane	0.33 U	0.234 U	0.203 U	0.195 U	0.256 U	0.212 U
1,1-Dichloroethane	0.472 U	0.335 U	0.291 U	0.279 U	0.366 U	0.303 U
1,1-Dichloroethene	0.139 U	0.0988 U	0.0858 U	0.0823 U	0.108 U	0.0894 U
1,2,4-Trichlorobenzene	0.824 U	0.585 U	0.508 UJ	0.487 UJ	0.639 UJ	0.529 U
1,2,4-Trimethylbenzene	1.11 J-	0.539 J-	0.255 J	0.245 U	0.321 U	0.266 U
1,2-Dibromoethane (Ethylene Dibromide)	0.432 U	0.306 U	0.266 U	0.255 U	0.335 U	0.277 U
1,2-Dichlorobenzene	0.549 U	0.39 U	0.338 U	0.324 U	0.426 U	0.352 U
1,2-Dichloroethane	0.353 U	0.25 U	0.217 U	0.208 U	0.273 U	0.226 U
1,2-Dichloropropane	0.331 U	0.235 U	0.204 U	0.196 U	0.257 U	0.213 U
1,2-Dichlorotetrafluoroethane	0.963 U	0.683 U	0.593 UJ	0.569 UJ	0.747 UJ	0.618 U
1,3,5-Trimethylbenzene (Mesitylene)	0.373 U	0.265 U	0.23 U	0.22 U	0.289 U	0.239 U
1,3-Butadiene	0.118 U	0.0838 U	0.0728 UJ	0.0698 UJ	0.0916 UJ	0.0758 U
1,3-Dichlorobenzene	0.566 U	0.402 U	0.349 U	0.334 U	0.439 U	0.363 U
1,4-Dichlorobenzene	0.591 J-	0.36 U	0.312 U	0.299 U	0.393 U	0.325 U
1,4-Dioxane (P-Dioxane)	0.42 U	0.298 U	0.259 U	0.248 U	0.326 U	0.27 U
2-Hexanone	0.236 U	0.167 U	0.39 UJ	0.139 UJ	0.183 UJ	0.151 U
4-Ethyltoluene	0.622 J-	0.373 U	0.324 U	0.31 U	0.407 U	0.337 U
Acetone	19.6 J-	5.47 J-	9.01 J	4.44 J	8.34 J	3.32 J-
Allyl Chloride (3-Chloropropene)	0.334 U	0.237 U	0.206 U	0.197 U	0.259 U	0.215 U
Benzene	1.48 J-	0.637 J-	0.747	0.583	0.662	0.576 J-
Benzyl Chloride	0.393 U	0.279 U	0.242 U	0.232 U	0.305 U	0.252 U
Bromodichloromethane	0.32 U	0.227 U	0.197 U	0.189 U	0.248 U	0.205 U
Bromoform	0.712 U	0.505 U	0.439 U	0.42 U	0.552 U	0.457 U
Bromomethane	0.535 U	0.379 U	0.33 U	0.316 U	0.415 U	0.343 U
Carbon Disulfide	0.411 U	0.292 U	0.254 U	0.243 U	0.319 U	0.264 U
Carbon Tetrachloride	0.707 J-	0.376 J-	0.327	0.366	0.343	0.397 J-
Chlorobenzene	0.362 U	0.257 U	0.223 U	0.214 U	0.281 U	0.233 U
Chloroethane	0.237 U	0.168 U	0.146 U	0.14 U	0.184 U	0.152 U
Chloroform	0.631 U	0.448 U	0.389 U	0.373 U	0.49 U	0.405 U
Chloromethane (Methyl Chloride)	2.79 J-	1.13 J-	1.56 J	1.53 J	1.26 J	1.23 J-
Cis-1,2-Dichloroethylene	0.139 U	0.0988 U	0.0858 U	0.0823 U	0.108 U	0.0894 U
Cis-1,3-Dichloropropene	0.261 U	0.186 U	0.161 U	0.154 U	0.203 U	0.168 U
Cyclohexane	1.89 J-	0.295 U	0.256 U	0.246 U	0.323 U	0.267 U
Dibromochloromethane	0.586 U	0.416 U	0.361 U	0.346 U	0.455 U	0.377 U
Dichlorodifluoromethane	3.68 J-	2.37 J-	2.18	2.18	2.05	2.19 J-
Ethylbenzene	0.976 J-	0.299 U	0.259 U	0.249 U	0.327 U	0.27 U
Hexachlorobutadiene	1.27 U	0.904 U	0.785 U	0.752 U	0.988 U	0.818 U
Isopropanol	48.2 J-	1.72 J-	7.19	0.196 U	0.257 U	1.15 J-
m,p-Xylene	3.17 J-	0.619 U	0.639 J	0.515 U	0.677 U	0.56 U
Methyl Ethyl Ketone (2-Butanone)	2.44 J-	0.647 J-	1.12 J	0.416 U	0.547 U	0.559 J-
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2.82 J-	0.368 J-	0.302 UJ	0.289 UJ	0.38 UJ	0.314 U
Methylene Chloride	2.05 J-	0.450 J-	0.481 J	0.432 J	0.454 J	0.407 J-
Naphthalene	2.14 J-	0.575 U	0.44 UJ	0.422 UJ	0.554 UJ	0.52 U
N-Heptane	14.2 J-	0.327 J-	0.153 U	0.238 U	0.313 U	0.222 J-
N-Hexane	1.83 J-	0.281 U	0.244 U	0.234 U	0.307 U	0.254 U
O-Xylene (1,2-Dimethylbenzene)	1.04 J-	0.216 J-	0.263 J	0.180 J	0.237 J	0.157 J-
Styrene	0.419 J-	0.251 U	0.218 U	0.209 U	0.274 U	0.227 U
Tert-Butyl Methyl Ether	0.491 U	0.349 U	0.303 U	0.29 U	0.381 U	0.315 U
Tetrachloroethylene (PCE)	2.38 J-	0.331 U	0.288 U	0.281 J	7.54	0.3 U
Tetrahydrofuran	0.22 U	0.156 U	0.135 U	0.13 U	0.17 U	0.141 U
Toluene	12.9 J-	0.902 J-	0.914	0.626	0.822	0.612 J-
Trans-1,2-Dichloroethene	0.44 U	0.312 U	0.271 U	0.26 U	0.341 U	0.283 U
Trans-1,3-Dichloropropene	0.587 U	0.416 U	0.362 U	0.347 U	0.455 U	0.377 U
Trichloroethylene (TCE)	0.302 J-	0.161 J-	0.116 U	0.112 U	0.146 U	0.121 U
Trichlorofluoromethane	1.89 J-	1.01 J-	1.07	1.12	1.04	1.11 J-
Vinyl Bromide	0.59 U	0.419 U	0.364 U	0.349 U	0.458 U	0.379 U
Vinyl Chloride	0.158 U	0.112 U	0.0974 UJ	0.0934 UJ	0.123 UJ	0.101 U

Key:

Qualifiers

- J = Estimated value
- J- = Estimated value with low bias
- U = Not detected (method detection limit shown)
- UJ = Not detected/estimated detection limit

Other

- µg/m3 = Micrograms per cubic meter
- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-96 GC111 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Property ID: GC111	
Location ID: GC111-WG01	
Sample Type: Normal	
Date: 03/09/24	
Analyte	
Volatile Organic Compounds by Method 8260C (ug/L)	
1,1,1,2-Tetrachloroethane	0.216 U
1,1,1-Trichloroethane (TCA)	0.266 U
1,1,2,2-Tetrachloroethane	0.256 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.286 U
1,1,2-Trichloroethane	0.249 U
1,1-Dichloroethane	0.272 UJ
1,1-Dichloroethene	0.327 U
1,2,3-Trichlorobenzene	0.222 U
1,2,3-Trichloropropane	0.273 U
1,2,4-Trichlorobenzene	0.138 U
1,2,4-Trimethylbenzene	3.41
1,2-Dibromo-3-Chloropropane	0.432 U
1,2-Dibromoethane (Ethylene Dibromide)	0.215 UR
1,2-Dichlorobenzene	0.27 U
1,2-Dichloroethane	0.377 U
1,2-Dichloropropane	0.327 U
1,3,5-Trimethylbenzene (Mesitylene)	1.28
1,3-Dichlorobenzene	0.283 U
1,3-Dichloropropane	0.260 U
1,4-Dichlorobenzene	0.311 U
1,4-Diethyl Benzene	0.341 U
1,4-Dioxane (P-Dioxane)	35.3 U
2-Hexanone	0.320 U
4-Ethyltoluene	2.25
Acetone	9.88
Acrolein	0.447 U
Acrylonitrile	0.422 U
Benzene	0.279 U
Bromochloromethane	0.354 U
Bromodichloromethane	0.960
Bromoform	0.163 UR
Bromomethane	2.01
Carbon Disulfide	0.362 U
Carbon Tetrachloride	0.204 U
Chlorobenzene	0.284 UJ
Chloroethane	0.448 U
Chloroform	17.4
Chloromethane (Methyl Chloride)	114
Cis-1,2-Dichloroethylene	0.294 U
Cis-1,3-Dichloropropene	0.262 U
Cyclohexane	0.491 U
Dibromochloromethane	0.146 U
Dibromomethane	0.203 U
Dichlorodifluoromethane	0.451 U
Ethylbenzene	0.290 U
Hexachlorobutadiene	0.241 U
Isopropylbenzene (Cumene)	0.405 U
m,p-Xylene	0.578 U
Methyl Acetate	0.442 U
Methyl Ethyl Ketone (2-Butanone)	0.421 UJ

**Table C-96 GC111 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

	Property ID: GC111
	Location ID: GC111-WG01
	Sample Type: Normal
	Date: 03/09/24
Analyte	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.365 U
Methylcyclohexane	0.477 U
Methylene Chloride	0.397 U
Naphthalene	0.510 J
N-Butylbenzene	0.399 U
N-Propylbenzene	0.390 J
O-Xylene (1,2-Dimethylbenzene)	0.261 U
P-Cymene (P-Isopropyltoluene)	0.377 U
Sec-Butylbenzene	0.444 U
Styrene	0.255 U
T-Butylbenzene	0.367 U
Tert-Butyl Alcohol	0.608 UJ
Tert-Butyl Methyl Ether	0.244 U
Tetrachloroethylene (PCE)	0.239 UJ
Toluene	0.346 U
Trans-1,2-Dichloroethene	0.279 U
Trans-1,3-Dichloropropene	0.229 U
Trichloroethylene (TCE)	0.249 UJ
Trichlorofluoromethane	0.337 U
Vinyl Chloride	0.469 U
Xylenes	0.836 U
Semivolatile Organic Compounds by Method 8270D (ug/L)	
1,2,4,5-Tetrachlorobenzene	2.5 U
1,2,4-Trichlorobenzene	2.5 U
1,2-Dichlorobenzene	2.5 UR
1,2-Diphenylhydrazine	2.5 UJ
1,3-Dichlorobenzene	2.5 UR
1,4-Dichlorobenzene	2.5 UR
2,3,4,6-Tetrachlorophenol	2.5 UJ
2,4,5-Trichlorophenol	2.5 U
2,4,6-Trichlorophenol	2.5 U
2,4-Dichlorophenol	2.5 U
2,4-Dimethylphenol	2.5 U
2,4-Dinitrophenol	2.5 UJ
2,4-Dinitrotoluene	2.5 UJ
2,6-Dinitrotoluene	2.5 UJ
2-Chloronaphthalene	2.5 U
2-Chlorophenol	2.5 UR
2-Methylnaphthalene	2.5 U
2-Methylphenol (O-Cresol)	2.5 U
2-Nitroaniline	2.5 U
2-Nitrophenol	2.5 U
3- And 4- Methylphenol (Total)	2.5 U
3,3'-Dichlorobenzidine	2.5 U
3-Nitroaniline	2.5 U
4,6-Dinitro-2-Methylphenol	2.5 UJ
4-Bromophenyl Phenyl Ether	2.5 U
4-Chloro-3-Methylphenol	2.5 U
4-Chloroaniline	2.5 U

**Table C-96 GC111 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Property ID: GC111	
Location ID: GC111-WG01	
Sample Type: Normal	
Date: 03/09/24	
Analyte	
4-Chlorophenyl Phenyl Ether	2.5 UJ
4-Nitroaniline	2.5 U
4-Nitrophenol	5 UJ
Acetophenone	2.5 UR

Key:

Qualifiers

- J = Estimated value
- U = Not detected (method detection limit shown)
- UJ = Not detected/estimated detection limit
- UR = Not detected/result is rejected

Other

µg/L = Micrograms per liter

**Table C-97 GC112 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC112					
	Location ID:	GC112-SV01	GC112-BA01	GC112-SV02	GC112-BA02	GC112-BA06	GC112-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Basement Air	Outdoor Air
	Date:	3/9/2024	3/9/2024	3/9/2024	3/9/2024	3/9/2024	3/9/2024
VOCs by Method TO15 (µg/m3)							
1,1,1-Trichloroethane (TCA)	0.82 U	0.20 U	0.82 U	0.20 U	0.20 U	0.20 U	
1,1,2,2-Tetrachloroethane	1.3 U	0.33 U	1.3 U	0.33 U	0.33 U	0.33 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.92 U	0.24 U	0.92 U	0.24 U	0.24 U	0.24 U	
1,1,2-Trichloroethane	0.82 U	0.21 U	0.82 U	0.21 U	0.21 U	0.21 U	
1,1-Dichloroethane	0.93 U	0.23 U	0.93 U	0.23 U	0.23 U	0.23 U	
1,1-Dichloroethene	0.95 U	0.23 U	0.95 U	0.23 U	0.23 U	0.23 U	
1,2,4-Trichlorobenzene	3.6 U	0.89 U	3.6 U	0.89 U	0.89 U	0.89 U	
1,2,4-Trimethylbenzene	1.7 U	0.59 J	99.3	0.49 J	1.8	0.43 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.92 U	0.23 U	0.92 U	0.23 U	0.23 U	0.23 U	
1,2-Dichlorobenzene	1.7 U	0.41 U	1.7 U	0.41 U	0.41 U	0.41 U	
1,2-Dichloroethane	1.6 J	0.57 J	1.1 U	0.28 U	0.28 U	0.28 U	
1,2-Dichloropropane	1.2 U	0.29 U	1.2 U	0.29 U	0.29 U	0.29 U	
1,2-Dichlorotetrafluoroethane	1.4 U	0.35 U	1.4 U	0.35 U	0.35 U	0.35 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.6 U	0.39 U	59.0	0.39 U	0.54 J	0.39 U	
1,3-Butadiene	0.75 U	0.19 U	0.75 U	0.19 U	0.69	0.19 U	
1,3-Dichlorobenzene	0.96 U	0.24 U	0.96 U	0.24 U	0.24 U	0.24 U	
1,4-Dichlorobenzene	1.9 U	0.47 U	1.9 U	0.47 U	0.47 U	0.47 U	
1,4-Dioxane (P-Dioxane)	1.7 U	0.43 U	1.7 U	0.43 U	0.43 U	0.43 U	
2-Hexanone	2.4 U	0.61 U	2.4 U	0.61 U	0.90	0.61 U	
4-Ethyltoluene	1.9 U	0.47 U	20	0.47 U	0.49 J	0.47 U	
Acetone	33.5	9.5	53.7	6.4	22	4.0	
Allyl Chloride (3-Chloropropene)	1.0 U	0.26 U	1.0 U	0.26 U	0.26 U	0.26 U	
Benzene	0.31 U	0.83	6.7	0.51 J	1.3	0.51 J	
Benzyl Chloride	2.6 UJ	0.67 UJ	2.6 UJ	0.67 UJ	0.67 U	0.67 U	
Bromodichloromethane	0.80 U	0.20 U	0.80 U	0.20 U	0.20 U	0.20 U	
Bromoform	2.9 U	0.73 U	2.9 U	0.73 U	0.73 U	0.73 U	
Bromomethane	1.1 U	0.27 U	1.1 U	0.27 U	0.27 U	0.27 U	
Carbon Disulfide	7.8	0.14 U	16	0.14 U	0.14 U	0.14 U	
Carbon Tetrachloride	1.0 U	0.25 U	1.0 U	0.25 U	0.25 U	0.25 U	
Chlorobenzene	1.4 U	0.34 U	1.4 U	0.34 U	0.34 U	0.34 U	
Chloroethane	0.71 U	0.18 U	0.71 U	0.18 U	0.18 U	0.18 U	
Chloroform	0.73 U	0.18 U	0.73 U	0.18 U	0.18 U	0.18 U	
Chloromethane (Methyl Chloride)	2.3	1.2	0.74 U	1.2	1.2	1.2	
Cis-1,2-Dichloroethylene	0.48 U	0.12 U	0.48 U	0.12 U	0.12 U	0.12 U	
Cis-1,3-Dichloropropene	1.1 U	0.28 U	1.1 U	0.28 U	0.28 U	0.28 U	
Cyclohexane	0.62 U	0.15 U	0.62 U	0.15 U	0.15 U	0.15 U	
Dibromochloromethane	1.8 U	0.44 U	1.8 U	0.44 U	0.44 U	0.44 U	
Dichlorodifluoromethane	2.1 U	1.9	2.1 U	1.8	1.8	1.9	
Ethylbenzene	1.0 U	0.26 U	25	0.26 U	1.2	0.26 U	
Hexachlorobutadiene	2.7 U	0.66 UJ	2.7 U	0.66 UJ	0.66 U	0.66 U	
Isopropanol	2.9	8.6	9.6	11	1.7	1.3	
M,P-Xylene (Sum Of Isomers)	2.4 U	1.3	88.2	0.78 J	3.3	0.61 U	
Methyl Ethyl Ketone (2-Butanone)	2.1 J	1.1	4.1	0.74	3.2	0.44 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.2 U	0.30 U	1.8 J	0.30 U	0.30 U	0.30 U	
Methylene Chloride	9.0	1.6	11	0.90	5.6	0.83	
Naphthalene	2.7 U	0.68 U	148	0.68 U	0.68 U	0.68 U	
N-Heptane	0.74 U	1.3	0.74 U	1.8	0.86	0.18 U	
N-Hexane	0.74 U	0.85	0.74 U	0.49 J	1.5	0.56 J	
O-Xylene (1,2-Dimethylbenzene)	1.3 U	0.33 U	40	0.33 U	1.8	0.33 U	
Styrene	0.89 U	0.23 U	4.7	0.23 U	0.23 U	0.23 U	
Tert-Butyl Methyl Ether	1.2 U	0.29 U	1.2 U	0.29 U	0.29 U	0.29 U	
Tetrachloroethylene (PCE)	5.3	7.5	6.8	0.095 U	0.095 U	0.095 U	
Tetrahydrofuran	1.1 U	0.27 U	1.1 U	0.27 U	0.27 U	0.27 U	
Toluene	33	2.1	33	0.98	2.1	0.60 J	
Trans-1,2-Dichloroethene	0.44 U	0.11 U	0.44 U	0.11 U	0.11 U	0.11 U	
Trans-1,3-Dichloropropene	1.8 U	0.45 U	1.8 U	0.45 U	0.45 U	0.45 U	
Trichloroethylene (TCE)	1.2	0.10 U	0.75 J	0.10 U	0.10 U	0.10 U	

**Table C-97 GC112 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC112					
	Location ID:	GC112-SV01	GC112-BA01	GC112-SV02	GC112-BA02	GC112-BA06	GC112-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Basement Air	Outdoor Air
	Date:	3/9/2024	3/9/2024	3/9/2024	3/9/2024	3/9/2024	3/9/2024
Trichlorofluoromethane	3.5 U	1.2	3.5 U	1.2	1.2	1.2	
Vinyl Bromide	1.0 U	0.27 U	1.0 U	0.27 U	0.27 U	0.27 U	
Vinyl Chloride	0.72 U	0.18 U	0.72 U	0.18 U	0.18 U	0.18 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-98 GC112 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC112		
	Location ID:	GC112-WG01	GC112-WG02	GC112-WG03
	Sample Type:	Normal	Normal	Normal
	Date:	3/9/2024	3/9/2024	3/9/2024
Volatile Organics by Method SW8260C (ug/L)				
1,1,1-Trichloroethane (TCA)		< 0.54 U	< 0.54 U	< 11 U
1,1,2,2-Tetrachloroethane		< 0.65 U	< 0.65 U	< 13 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		< 0.58 U	< 0.58 U	< 12 U
1,1,2-Trichloroethane		< 0.53 U	< 0.53 U	< 11 U
1,1-Dichloroethane		< 0.57 U	< 0.57 U	< 11 U
1,1-Dichloroethene		< 0.59 U	< 0.59 U	< 12 U
1,2,3-Trichlorobenzene		< 0.50 U	< 0.50 U	< 10 U
1,2,4-Trichlorobenzene		< 0.50 U	< 0.50 U	< 10 U
1,2-Dibromo-3-Chloropropane		< 0.53 U	< 0.53 U	< 11 U
1,2-Dibromoethane (Ethylene Dibromide)		< 0.48 U	< 0.48 U	< 9.5 U
1,2-Dichlorobenzene		< 0.53 U	< 0.53 U	< 11 U
1,2-Dichloroethane		< 0.60 U	< 0.60 U	< 12 U
1,2-Dichloropropane		< 0.51 U	< 0.51 U	< 10 U
1,3-Dichlorobenzene		< 0.54 U	< 0.54 U	< 11 U
1,4-Dichlorobenzene		< 0.51 U	0.55 J	< 10 U
2-Hexanone		< 4.8 U	< 4.8 U	< 96 U
Acetone		< 3.1 UJ	4.5 J	67.2 J
Benzene		< 0.43 U	< 0.43 U	< 8.5 U
Bromochloromethane		< 0.48 U	< 0.48 U	< 9.6 U
Bromodichloromethane		< 0.45 U	< 0.45 U	< 9.0 U
Bromoform		< 0.63 U	< 0.63 U	< 13 U
Bromomethane		< 1.6 U	< 1.6 U	< 33 U
Carbon Disulfide		< 1.8 U	< 1.8 U	< 36 U
Carbon Tetrachloride		< 0.55 U	< 0.55 U	< 11 U
Chlorobenzene		< 0.56 U	< 0.56 U	< 11 U
Chloroethane		< 0.73 U	< 0.73 U	< 15 U
Chloroform		< 0.50 U	0.82 J	< 10 U
Chloromethane (Methyl Chloride)		< 0.76 U	< 0.76 U	< 15 U
Cis-1,2-Dichloroethylene		< 0.51 U	< 0.51 U	< 10 U
Cis-1,3-Dichloropropene		< 0.47 U	< 0.47 U	< 9.4 U
Cyclohexane		< 0.78 U	< 0.78 U	< 16 U
Dibromochloromethane		< 0.56 U	< 0.56 U	< 11 U
Dichlorodifluoromethane		< 0.56 U	< 0.56 U	< 11 U
Ethylbenzene		< 0.60 U	< 0.60 U	20.6
Isopropylbenzene (Cumene)		1.7	< 0.65 U	< 13 U
M,P-Xylene (Sum Of Isomers)		< 0.78 U	< 0.78 U	39.8
Methyl Acetate		< 0.80 U	< 0.80 U	< 16 U
Methyl Ethyl Ketone (2-Butanone)		< 2.7 U	13.2	< 55 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		< 4.9 U	< 4.9 U	< 97 U
Methylcyclohexane		< 0.60 U	< 0.60 U	< 12 U
Methylene Chloride		< 1.0 U	< 1.0 U	< 20 U
O-Xylene (1,2-Dimethylbenzene)		< 0.59 U	< 0.59 U	19.4 J
Styrene		< 0.49 U	< 0.49 U	< 9.7 U
Tert-Butyl Methyl Ether		< 0.51 U	< 0.51 U	< 10 U
Tetrachloroethylene (PCE)		< 0.56 U	< 0.56 U	< 11 U
Toluene		< 0.49 U	< 0.49 U	18.6 J
Trans-1,2-Dichloroethene		< 0.54 U	< 0.54 U	< 11 U
Trans-1,3-Dichloropropene		< 0.43 U	< 0.43 U	< 8.6 U
Trichloroethylene (TCE)		< 0.53 U	< 0.53 U	< 11 U
Trichlorofluoromethane		< 0.40 U	< 0.40 U	< 8.0 U
Vinyl Chloride		< 0.52 U	< 0.52 U	< 10 U
Xylenes		< 0.59 U	< 0.59 U	59.2

**Table C-98 GC112 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC112		
	Location ID:	GC112-WG01	GC112-WG02	GC112-WG03
	Sample Type:	Normal	Normal	Normal
	Date:	3/9/2024	3/9/2024	3/9/2024
Semivolatile Organics by Method SW8270D (ug/L)				
1,2,4,5-Tetrachlorobenzene		< 0.74 U	< 1.2 U	< 0.74 U
1,4-Dioxane (P-Dioxane)		< 1.3 U	< 2.2 U	< 1.3 U
2,3,4,6-Tetrachlorophenol		< 2.9 U	< 4.9 UJ	< 2.9 U
2,4,5-Trichlorophenol		< 2.7 U	< 4.4 U	< 2.7 U
2,4,6-Trichlorophenol		< 1.8 U	< 3.1 U	< 1.8 U
2,4-Dichlorophenol		< 2.5 U	< 4.2 U	< 2.5 U
2,4-Dimethylphenol		< 4.9 U	< 8.1 U	24.6
2,4-Dinitrophenol		< 3.1 UJ	< 5.2 UJ	< 3.1 UJ
2,4-Dinitrotoluene		< 1.1 UJ	< 1.8 UJ	< 1.1 UJ
2,6-Dinitrotoluene		< 0.95 UJ	< 1.6 UJ	< 0.95 UJ
2-Chloronaphthalene		< 0.47 U	< 0.79 U	< 0.47 U
2-Chlorophenol		< 1.6 U	< 2.7 U	< 1.6 U
2-Methylnaphthalene		< 0.42 U	< 0.70 U	53.6
2-Methylphenol (O-Cresol)		< 1.8 U	< 3.0 U	21.7
2-Nitroaniline		< 0.55 U	< 0.92 UJ	< 0.55 U
2-Nitrophenol		< 1.9 UJ	< 3.2 UJ	< 1.9 UJ
3,3'-Dichlorobenzidine		< 1.0 U	< 1.7 U	< 1.0 U
3-Nitroaniline		< 0.77 U	< 1.3 U	< 0.77 U
4,6-Dinitro-2-Methylphenol		< 2.6 U	< 4.3 UJ	< 2.6 U
4-Bromophenyl Phenyl Ether		< 0.81 U	< 1.3 U	< 0.81 U
4-Chloro-3-Methylphenol		< 1.8 U	< 3.0 UJ	< 1.8 U
4-Chloroaniline		< 0.68 U	< 1.1 U	< 0.68 U
4-Chlorophenyl Phenyl Ether		< 0.73 U	< 1.2 U	< 0.73 U
4-Methylphenol (P-Cresol)		< 1.8 U	< 2.9 U	67.2
4-Nitroaniline		< 0.88 U	< 1.5 U	< 0.88 U
4-Nitrophenol		< 2.3 U	< 3.8 UJ	< 2.3 U
Acenaphthene		6.1	< 0.64 U	30.1
Acenaphthylene		< 0.27 U	< 0.45 U	1.9 J
Acetophenone		< 0.42 U	< 0.69 U	< 0.42 U
Anthracene		< 0.42 U	< 0.70 U	10.5
Atrazine		< 0.89 U	< 1.5 U	< 0.89 U
Benzaldehyde		< 0.58 U	< 0.96 U	< 0.58 U
Benzo(A)Anthracene		< 0.41 U	< 0.68 U	0.94 J
Benzo(A)Pyrene		< 0.43 U	< 0.71 U	< 0.43 U
Benzo(B)Fluoranthene		< 0.41 U	< 0.68 U	< 0.41 U
Benzo(G,H,I)Perylene		< 0.68 U	< 1.1 U	< 0.68 U
Benzo(K)Fluoranthene		< 0.41 U	< 0.68 U	< 0.41 U
Benzyl Butyl Phthalate		< 0.91 U	< 1.5 U	< 0.91 U
Biphenyl (Diphenyl or 1,1'-Biphenyl)		< 0.42 U	< 0.71 U	8.0

**Table C-98 GC112 Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC112		
	Location ID:	GC112-WG01	GC112-WG02	GC112-WG03
	Sample Type:	Normal	Normal	Normal
	Date:	3/9/2024	3/9/2024	3/9/2024
Bis(2-Chloroethoxy) Methane		< 0.56 U	< 0.93 U	< 0.56 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		< 0.50 U	< 0.83 U	< 0.50 U
Bis(2-Chloroisopropyl) Ether		< 0.81 U	< 1.3 U	< 0.81 U
Bis(2-Ethylhexyl) Phthalate		< 3.3 U	< 5.5 U	< 3.3 U
Caprolactam		< 1.3 U	< 2.2 U	< 1.3 U
Carbazole		< 0.46 U	< 0.76 U	70.9
Chrysene		< 0.35 U	< 0.59 U	0.47 J
Dibenz(A,H)Anthracene		< 0.66 U	< 1.1 U	< 0.66 U
Dibenzofuran		< 0.44 U	< 0.73 U	25.5
Diethyl Phthalate		< 0.52 U	< 0.87 U	< 0.52 U
Dimethyl Phthalate		< 0.44 U	< 0.73 U	< 0.44 U
Di-N-Butyl Phthalate		< 0.99 U	< 1.7 U	< 0.99 U
Di-N-Octylphthalate		< 0.47 U	< 0.78 U	< 0.47 U
Fluoranthene		< 0.34 U	< 0.57 U	7.30
Fluorene		0.61 J	< 0.57 U	27.5
Hexachlorobenzene		< 0.65 U	< 1.1 U	< 0.65 U
Hexachlorobutadiene		< 0.98 U	< 1.6 UJ	< 0.98 U
Hexachlorocyclopentadiene		< 5.6 U	< 9.3 UJ	< 5.6 U
Hexachloroethane		< 0.78 U	< 1.3 U	< 0.78 U
Indeno(1,2,3-C,D)Pyrene		< 0.66 U	< 1.1 U	< 0.66 U
Isophorone		< 0.55 U	< 0.92 U	< 0.55 U
Naphthalene		< 0.46 U	< 0.77 U	530
Nitrobenzene		< 1.3 U	< 2.1 UJ	< 1.3 U
N-Nitrosodi-N-Propylamine		< 0.96 U	< 1.6 U	< 0.96 U
N-Nitrosodiphenylamine		< 0.44 U	< 0.74 U	< 0.44 U
Pentachlorophenol		< 2.8 U	< 4.6 U	< 2.8 U
Phenanthrene		0.50 J	< 0.58 U	45.0
Phenol		< 0.78 U	< 1.3 U	46.2
Pyrene		< 0.44 U	< 0.73 U	5.0

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/L = Micrograms per liter

**Table C-99 GC112a Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC112a			
	Location ID:	GC112-SV03	GC112-BA03	GC112-BA03	GC112-SV04
	Sample Type:	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	Sub-slab Vapor
	Date:	3/9/2024	3/9/2024	3/9/2024	3/9/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	3.1 U	0.20 U	0.20 U	13 U	
1,1,2,2-Tetrachloroethane	5.0 U	0.33 U	0.33 U	21 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	3.6 U	0.24 U	0.24 U	15 U	
1,1,2-Trichloroethane	3.2 U	0.21 U	0.21 U	13 U	
1,1-Dichloroethane	3.5 U	0.23 U	0.23 U	14 U	
1,1-Dichloroethene	3.6 U	0.23 U	0.23 U	15 U	
1,2,4-Trichlorobenzene	13 U	0.89 U	0.89 U	56 U	
1,2,4-Trimethylbenzene	440	3.3	3.0	1060	
1,2-Dibromoethane (Ethylene Dibromide)	3.5 U	0.23 U	0.23 U	15 U	
1,2-Dichlorobenzene	6.0 U	0.41 U	0.41 U	26 U	
1,2-Dichloroethane	4.5 U	0.28 U	0.28 U	17 U	
1,2-Dichloropropane	4.3 U	0.29 U	0.29 U	18 U	
1,2-Dichlorotetrafluoroethane	5.3 U	0.35 U	0.35 U	22 U	
1,3,5-Trimethylbenzene (Mesitylene)	158	1.1	0.88 J	371	
1,3-Butadiene	2.9 U	0.19 U	0.19 U	12 U	
1,3-Dichlorobenzene	3.7 U	0.24 U	0.24 U	15 U	
1,4-Dichlorobenzene	7.2 U	0.47 U	0.47 U	29 U	
1,4-Dioxane (P-Dioxane)	6.5 U	0.43 U	0.43 U	26 U	
2-Hexanone	9.0 U	0.61 U	0.61 U	37 U	
4-Ethyltoluene	143	1.1	1.0	318	
Acetone	3020	21	21	8310	
Allyl Chloride (3-Chloropropene)	4.1 U	0.26 U	0.26 U	16 U	
Benzene	4.8 J	0.61 J	0.64	4.8 U	
Benzyl Chloride	9.8 UJ	0.67 UJ	0.67 UJ	40 UJ	
Bromodichloromethane	3.1 U	0.20 U	0.20 U	13 U	
Bromoform	11 U	0.73 U	0.73 U	45 U	
Bromomethane	3.9 U	0.27 U	0.27 U	17 U	
Carbon Disulfide	10	0.14 U	0.14 U	21 J	
Carbon Tetrachloride	3.8 U	0.25 U	0.25 U	16 U	
Chlorobenzene	5.1 U	0.34 U	0.34 U	21 U	
Chloroethane	2.6 U	0.18 U	0.18 U	11 U	
Chloroform	2.7 U	0.18 U	0.18 U	11 U	
Chloromethane (Methyl Chloride)	2.9 U	1.2	1.2	12 U	
Cis-1,2-Dichloroethylene	1.8 U	0.12 U	0.12 U	7.5 U	
Cis-1,3-Dichloropropene	4.3 U	0.28 U	0.28 U	17 U	
Cyclohexane	2.3 U	0.15 U	0.15 U	9.6 U	
Dibromochloromethane	6.7 U	0.44 U	0.44 U	27 U	
Dichlorodifluoromethane	7.9 U	4.5	4.5	32 U	
Ethylbenzene	275	10	8.7	3190	
Hexachlorobutadiene	10 U	0.66 UJ	0.66 UJ	41 U	
Isopropanol	258	10	10	290	
M,P-Xylene (Sum Of Isomers)	764	30	26	10000	
Methyl Ethyl Ketone (2-Butanone)	9.7	4.4	4.1	54.6	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	136	0.30 U	0.30 U	112	
Methylene Chloride	12	0.76	0.80	12 U	
Naphthalene	56.1	0.68 U	0.68 U	41 U	
N-Heptane	2.8 U	2.0	2.4	11 U	
N-Hexane	2.8 U	0.78	0.74	11 U	
O-Xylene (1,2-Dimethylbenzene)	314	6.9	6.5	2210	
Styrene	3.4 U	0.23 U	0.23 U	14 U	
Tert-Butyl Methyl Ether	4.3 U	0.29 U	0.29 U	18 U	
Tetrachloroethylene (PCE)	26	0.095 U	0.095 U	63	
Tetrahydrofuran	5.3 J	1.4	1.4	17 U	
Toluene	129	2.5	2.3	648	
Trans-1,2-Dichloroethene	1.7 U	0.11 U	0.11 U	6.7 U	
Trans-1,3-Dichloropropene	6.8 U	0.45 U	0.45 U	29 U	
Trichloroethylene (TCE)	1.6 U	0.10 U	0.10 U	57.5	

**Table C-99 GC112a Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC112a			
	Location ID:	GC112-SV03	GC112-BA03	GC112-BA03	GC112-SV04
	Sample Type:	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	Sub-slab Vapor
	Date:	3/9/2024	3/9/2024	3/9/2024	3/9/2024
Trichlorofluoromethane	13 U	1.1	1.2	53 U	
Vinyl Bromide	4.1 U	0.27 U	0.27 U	17 U	
Vinyl Chloride	2.6 U	0.18 U	0.18 U	11 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-99 GC112a Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC112a			
	Location ID:	GC112-BA04	GC112-SV05	GC112-BA05	GC112-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	3/9/2024	3/9/2024	3/9/2024	3/9/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.20 U	0.82 U	0.20 U	0.20 U	
1,1,2,2-Tetrachloroethane	0.33 U	1.3 U	0.33 U	0.33 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.24 U	0.92 U	0.24 U	0.24 U	
1,1,2-Trichloroethane	0.21 U	0.82 U	0.21 U	0.21 U	
1,1-Dichloroethane	0.23 U	0.93 U	0.23 U	0.23 U	
1,1-Dichloroethene	0.23 U	0.95 U	0.23 U	0.23 U	
1,2,4-Trichlorobenzene	0.89 U	3.6 U	0.89 U	0.89 U	
1,2,4-Trimethylbenzene	1.4	18	1.6	0.43 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.23 U	0.92 U	0.23 U	0.23 U	
1,2-Dichlorobenzene	0.41 U	1.7 U	0.41 U	0.41 U	
1,2-Dichloroethane	0.28 U	1.1 U	0.28 U	0.28 U	
1,2-Dichloropropane	0.29 U	1.2 U	0.29 U	0.29 U	
1,2-Dichlorotetrafluoroethane	0.35 U	1.4 U	0.35 U	0.35 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.39 U	8.4	0.48 J	0.39 U	
1,3-Butadiene	0.19 U	0.75 U	0.19 U	0.19 U	
1,3-Dichlorobenzene	0.24 U	0.96 U	0.24 U	0.24 U	
1,4-Dichlorobenzene	0.47 U	1.9 U	0.47 U	0.47 U	
1,4-Dioxane (P-Dioxane)	0.43 U	1.7 U	0.43 U	0.43 U	
2-Hexanone	0.61 U	2.4 U	0.61 U	0.61 U	
4-Ethyltoluene	0.47 U	3.8 J	0.49 J	0.47 U	
Acetone	14	634	17	4.0	
Allyl Chloride (3-Chloropropene)	0.26 U	1.0 U	0.26 U	0.26 U	
Benzene	0.61 J	0.31 U	0.64	0.51 J	
Benzyl Chloride	0.67 UJ	2.6 U	0.67 U	0.67 U	
Bromodichloromethane	0.20 U	0.80 U	0.20 U	0.20 U	
Bromoform	0.73 U	2.9 U	0.73 U	0.73 U	
Bromomethane	0.27 U	1.1 U	0.27 U	0.27 U	
Carbon Disulfide	0.14 U	11	0.14 U	0.14 U	
Carbon Tetrachloride	0.25 U	1.0 U	0.25 U	0.25 U	
Chlorobenzene	0.34 U	1.4 U	0.34 U	0.34 U	
Chloroethane	0.18 U	0.71 U	0.18 U	0.18 U	
Chloroform	0.18 U	0.73 U	0.18 U	0.18 U	
Chloromethane (Methyl Chloride)	1.3	0.74 U	1.3	1.2	
Cis-1,2-Dichloroethylene	0.12 U	0.48 U	0.12 U	0.12 U	
Cis-1,3-Dichloropropene	0.28 U	1.1 U	0.28 U	0.28 U	
Cyclohexane	0.15 U	0.62 U	0.15 U	0.15 U	
Dibromochloromethane	0.44 U	1.8 U	0.44 U	0.44 U	
Dichlorodifluoromethane	4.0	2.1 U	4.5	1.9	
Ethylbenzene	5.2	27	6.1	0.26 U	
Hexachlorobutadiene	0.66 UJ	2.7 U	0.66 U	0.66 U	
Isopropanol	7.9	54.6	11	1.3	
M,P-Xylene (Sum Of Isomers)	19	88.6	19	0.61 U	
Methyl Ethyl Ketone (2-Butanone)	3.2	17	3.8	0.44 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.30 U	9.4	0.30 U	0.30 U	
Methylene Chloride	0.73	8.0	1.1	0.83	
Naphthalene	0.68 U	2.7 U	0.68 U	0.68 U	
N-Heptane	1.8	8.6	1.1	0.18 U	
N-Hexane	0.63 J	9.9	1.4	0.56 J	
O-Xylene (1,2-Dimethylbenzene)	4.8	26	4.8	0.33 U	
Styrene	0.23 U	0.89 U	0.23 U	0.23 U	
Tert-Butyl Methyl Ether	0.29 U	1.2 U	0.29 U	0.29 U	
Tetrachloroethylene (PCE)	0.095 U	5.1	0.095 U	0.095 U	
Tetrahydrofuran	1.3	1.1 U	1.3	0.27 U	
Toluene	1.7	9.4	1.8	0.60 J	
Trans-1,2-Dichloroethene	0.11 U	0.44 U	0.11 U	0.11 U	
Trans-1,3-Dichloropropene	0.45 U	1.8 U	0.45 U	0.45 U	
Trichloroethylene (TCE)	0.10 U	3.2	0.10 U	0.10 U	

**Table C-99 GC112a Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC112a			
	Location ID:	GC112-BA04	GC112-SV05	GC112-BA05	GC112-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	3/9/2024	3/9/2024	3/9/2024	3/9/2024
Trichlorofluoromethane	1.2	3.5 U	1.2	1.2	
Vinyl Bromide	0.27 U	1.0 U	0.27 U	0.27 U	
Vinyl Chloride	0.18 U	0.72 U	0.18 U	0.18 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-99 GC112a Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC112a					
	Location ID:	GC112-BA07	GC112-BA08	GC112-BA09	GC112-BA10	GC112-BA11	GC112-BA12
	Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Basement Air	Basement Air	Basement Air	Basement Air	Basement Air
	Date:	3/29/2024	3/29/2024	3/29/2024	3/29/2024	3/29/2024	3/29/2024
VOCs by Method TO15 (µg/m3)							
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	
1,1,2-Trichloroethane	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	
1,1-Dichloroethane	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	
1,1-Dichloroethene	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	
1,2,4-Trichlorobenzene	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	
1,2,4-Trimethylbenzene	3.3	2.7	1.5	1.9	2.1	1.9	
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,2-Dichlorobenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	
1,2-Dichloroethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.5	1.2	0.98	1.4	0.84	0.35 U	
1,3-Butadiene	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	
1,3-Dichlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,4-Dichlorobenzene	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	
2-Hexanone	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	
4-Ethyltoluene	1.1	0.74	0.39 U	0.54 J	0.49 J	0.39 U	
Acetone	16 J	12 J	14 J	21 J	13 J	19 J	
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	
Benzene	0.45 J	0.42 J	0.42 J	0.48	0.48	0.54	
Benzyl Chloride	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	
Bromodichloromethane	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	
Bromoform	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	
Bromomethane	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	
Carbon Disulfide	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	
Carbon Tetrachloride	0.50 J	0.50 J	0.50 J	0.44 J	0.50 J	0.50 J	
Chlorobenzene	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	
Chloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	
Chloroform	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	
Chloromethane (Methyl Chloride)	0.76	0.81	0.81	0.87	0.78	0.76	
Cis-1,2-Dichloroethylene	0.099 U	0.099 U	0.099 U	0.099 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	
Cyclohexane	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	
Dibromochloromethane	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	
Dichlorodifluoromethane	2.5	2.3	2.6	2.6	2.6	2.6	
Ethylbenzene	10	6.4	9.1	11	5.6	5.6	
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
Isopropanol	0.21 U	0.21 U	0.21 U	38	17 J	9.7 J	
M,P-Xylene (Sum Of Isomers)	31	20	29	34	19 J	18 J	
Methyl Ethyl Ketone (2-Butanone)	1.1	1.1	1.1	1.4	0.91	1.9	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	
Methylene Chloride	2.5 J	2.2 J	3.1 J	2.3 J	1.7 J	1.9 J	
Naphthalene	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	
N-Heptane	1.7	0.33 U	0.33 U	0.33 U	1.1	1.4	
N-Hexane	0.42 J	0.20 U	0.35 J	0.53	2.3	3.1	
O-Xylene (1,2-Dimethylbenzene)	7.0	4.6	7.3	7.4	4.4	4.1	
Styrene	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	
Tert-Butyl Methyl Ether	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	
Tetrachloroethylene (PCE)	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	
Tetrahydrofuran	0.20 U	0.20 U	0.20 U	0.38 J	0.20 U	0.20 U	
Toluene	1.5	1.3	1.1	1.6	1.4	1.2	
Trans-1,2-Dichloroethene	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	
Trans-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	
Trichloroethylene (TCE)	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	

**Table C-99 GC112a Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC112a					
	Location ID:	GC112-BA07	GC112-BA08	GC112-BA09	GC112-BA10	GC112-BA11	GC112-BA12
	Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Basement Air	Basement Air	Basement Air	Basement Air	Basement Air
	Date:	3/29/2024	3/29/2024	3/29/2024	3/29/2024	3/29/2024	3/29/2024
Trichlorofluoromethane		1.1	1.1	1.1	1.0	1.1	1.1
Vinyl Bromide		0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Vinyl Chloride		0.066 U	0.066 U	0.066 U	0.066 U	0.066 U	0.066 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-99 GC112a Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC112a				
	Location ID:	GC112-BA13	GC112-BA14	GC112-BA15	GC112-BA16	GC112-BA17
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Basement Air	Basement Air	Basement Air	Basement Air
	Date:	3/29/2024	3/29/2024	3/29/2024	3/29/2024	3/29/2024
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	
1,1,2-Trichloroethane	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	
1,1-Dichloroethane	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	
1,1-Dichloroethene	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	
1,2,4-Trichlorobenzene	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	
1,2,4-Trimethylbenzene	2.8	0.84	3.2	2.4	2.9	
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,2-Dichlorobenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	
1,2-Dichloroethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.9	0.35 U	1.6	0.35 U	1.9	
1,3-Butadiene	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	
1,3-Dichlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,4-Dichlorobenzene	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	
2-Hexanone	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	
4-Ethyltoluene	0.74	0.39 U	0.84	0.69 J	0.69 J	
Acetone	21 J	8.1 J	19 J	22 J	19 J	
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	
Benzene	0.51	0.67	0.54	0.58	0.54	
Benzyl Chloride	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	
Bromodichloromethane	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	
Bromoform	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	1.8 UJ	
Bromomethane	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	
Carbon Disulfide	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	
Carbon Tetrachloride	0.50 J	0.44 J	0.50 J	0.50 J	0.50 J	
Chlorobenzene	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	
Chloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	
Chloroform	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	
Chloromethane (Methyl Chloride)	0.81	0.78	0.83	0.78	0.85	
Cis-1,2-Dichloroethylene	0.099 U	0.099 U	0.099 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	
Cyclohexane	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	
Dibromochloromethane	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	
Dichlorodifluoromethane	2.7	2.2	2.6	2.4	2.7	
Ethylbenzene	8.3	0.52 J	9.1	10	8.7	
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
Isopropanol	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	
M,P-Xylene (Sum Of Isomers)	24	1.6	28	33	24	
Methyl Ethyl Ketone (2-Butanone)	1.5	0.68 J	1.6	1.4	1.5	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.41 J	0.27 U	0.27 U	0.27 U	0.27 U	
Methylene Chloride	1.7 J	1.7 J	1.4 J	3.5 J	1.9 J	
Naphthalene	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	
N-Heptane	2.0	0.33 U	0.74	0.94	1.8	
N-Hexane	0.70	0.20 U	0.53	0.49 J	0.60	
O-Xylene (1,2-Dimethylbenzene)	6.5	0.52 J	6.9	8.6	6.4	
Styrene	0.98	0.35 U	0.35 U	0.35 U	0.35 U	
Tert-Butyl Methyl Ether	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	
Tetrachloroethylene (PCE)	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	
Tetrahydrofuran	0.50	0.20 U	0.38 J	0.35 J	0.47	
Toluene	1.9	0.83	1.5	1.9	1.5	
Trans-1,2-Dichloroethene	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	
Trans-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	
Trichloroethylene (TCE)	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	

**Table C-99 GC112a Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC112a				
	Location ID:	GC112-BA13	GC112-BA14	GC112-BA15	GC112-BA16	GC112-BA17
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Basement Air	Basement Air	Basement Air	Basement Air
	Date:	3/29/2024	3/29/2024	3/29/2024	3/29/2024	3/29/2024
Trichlorofluoromethane		1.1	1.1	1.1	1.1	1.1
Vinyl Bromide		0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Vinyl Chloride		0.066 U	0.066 U	0.066 U	0.066 U	0.066 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-100 GC112a Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID: Location ID: Sample Type: Date:	GC112a GC112-WG04 Normal 3/10/2024
Volatile Organics by Method SW8260C (ug/L)		
1,1,1-Trichloroethane (TCA)		< 0.54 U
1,1,2,2-Tetrachloroethane		< 0.65 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		< 0.58 U
1,1,2-Trichloroethane		< 0.53 U
1,1-Dichloroethane		< 0.57 U
1,1-Dichloroethene		< 0.59 U
1,2,3-Trichlorobenzene		< 0.50 U
1,2,4-Trichlorobenzene		< 0.50 U
1,2-Dibromo-3-Chloropropane		< 0.53 U
1,2-Dibromoethane (Ethylene Dibromide)		< 0.48 U
1,2-Dichlorobenzene		< 0.53 U
1,2-Dichloroethane		< 0.60 U
1,2-Dichloropropane		< 0.51 U
1,3-Dichlorobenzene		< 0.54 U
1,4-Dichlorobenzene		< 0.51 U
2-Hexanone		< 4.8 U
Acetone		< 3.1 UJ
Benzene		< 0.43 U
Bromochloromethane		< 0.48 U
Bromodichloromethane		< 0.45 U
Bromoform		< 0.63 U
Bromomethane		< 1.6 U
Carbon Disulfide		< 1.8 U
Carbon Tetrachloride		< 0.55 U
Chlorobenzene		< 0.56 U
Chloroethane		< 0.73 U
Chloroform		< 0.50 U
Chloromethane (Methyl Chloride)		< 0.76 U
Cis-1,2-Dichloroethylene		< 0.51 U
Cis-1,3-Dichloropropene		< 0.47 U
Cyclohexane		< 0.78 U
Dibromochloromethane		< 0.56 U
Dichlorodifluoromethane		< 0.56 U
Ethylbenzene		< 0.60 U
Isopropylbenzene (Cumene)		< 0.65 U
M,P-Xylene (Sum Of Isomers)		< 0.78 U
Methyl Acetate		< 0.80 U
Methyl Ethyl Ketone (2-Butanone)		< 2.7 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		< 4.9 U
Methylcyclohexane		< 0.60 U
Methylene Chloride		< 1.0 U
O-Xylene (1,2-Dimethylbenzene)		< 0.59 U
Styrene		< 0.49 U
Tert-Butyl Methyl Ether		< 0.51 U
Tetrachloroethylene (PCE)		< 0.56 U
Toluene		< 0.49 U
Trans-1,2-Dichloroethene		< 0.54 U
Trans-1,3-Dichloropropene		< 0.43 U
Trichloroethylene (TCE)		< 0.53 U
Trichlorofluoromethane		< 0.40 U
Vinyl Chloride		< 0.52 U
Xylenes		< 0.59 U

**Table C-100 GC112a Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID: Location ID: Sample Type: Date:	GC112a GC112-WG04 Normal 3/10/2024
Semivolatile Organics by Method SW8270D (ug/L)		
1,2,4,5-Tetrachlorobenzene		< 0.74 U
1,4-Dioxane (P-Dioxane)		< 1.3 U
2,3,4,6-Tetrachlorophenol		< 2.9 U
2,4,5-Trichlorophenol		< 2.7 U
2,4,6-Trichlorophenol		< 1.8 U
2,4-Dichlorophenol		< 2.5 U
2,4-Dimethylphenol		< 4.9 U
2,4-Dinitrophenol		< 3.1 UJ
2,4-Dinitrotoluene		< 1.1 UJ
2,6-Dinitrotoluene		< 0.95 UJ
2-Chloronaphthalene		< 0.47 U
2-Chlorophenol		< 1.6 U
2-Methylnaphthalene		< 0.42 U
2-Methylphenol (O-Cresol)		< 1.8 U
2-Nitroaniline		< 0.55 U
2-Nitrophenol		< 1.9 UJ
3,3'-Dichlorobenzidine		< 1.0 U
3-Nitroaniline		< 0.77 U
4,6-Dinitro-2-Methylphenol		< 2.6 U
4-Bromophenyl Phenyl Ether		< 0.81 U
4-Chloro-3-Methylphenol		< 1.8 U
4-Chloroaniline		< 0.68 U
4-Chlorophenyl Phenyl Ether		< 0.73 U
4-Methylphenol (P-Cresol)		< 1.8 U
4-Nitroaniline		< 0.88 U
4-Nitrophenol		< 2.3 U
Acenaphthene		1.4 J
Acenaphthylene		< 0.27 U
Acetophenone		< 0.42 U
Anthracene		< 0.42 U
Atrazine		< 0.89 U
Benzaldehyde		< 0.58 U
Benzo(A)Anthracene		< 0.41 U
Benzo(A)Pyrene		< 0.43 U
Benzo(B)Fluoranthene		< 0.41 U
Benzo(G,H,I)Perylene		< 0.68 U
Benzo(K)Fluoranthene		< 0.41 U
Benzyl Butyl Phthalate		< 0.91 U

**Table C-100 GC112a Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID: Location ID: Sample Type: Date:	GC112a GC112-WG04 Normal 3/10/2024
Biphenyl (Diphenyl or 1,1'-Biphenyl)		< 0.42 U
Bis(2-Chloroethoxy) Methane		< 0.56 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		< 0.50 U
Bis(2-Chloroisopropyl) Ether		< 0.81 U
Bis(2-Ethylhexyl) Phthalate		< 3.3 U
Caprolactam		< 1.3 U
Carbazole		< 0.46 U
Chrysene		< 0.35 U
Dibenz(A,H)Anthracene		< 0.66 U
Dibenzofuran		< 0.44 U
Diethyl Phthalate		< 0.52 U
Dimethyl Phthalate		< 0.44 U
Di-N-Butyl Phthalate		< 0.99 U
Di-N-Octylphthalate		< 0.47 U
Fluoranthene		< 0.34 U
Fluorene		< 0.34 U
Hexachlorobenzene		< 0.65 U
Hexachlorobutadiene		< 0.98 U
Hexachlorocyclopentadiene		< 5.6 U
Hexachloroethane		< 0.78 U
Indeno(1,2,3-C,D)Pyrene		< 0.66 U
Isophorone		< 0.55 U
Naphthalene		< 0.46 U
Nitrobenzene		< 1.3 U
N-Nitrosodi-N-Propylamine		< 0.96 U
N-Nitrosodiphenylamine		< 0.44 U
Pentachlorophenol		< 2.8 U
Phenanthrene		< 0.35 U
Phenol		< 0.78 U
Pyrene		< 0.44 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/L = Micrograms per liter

**Table C-101 GC113 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC113			
	Location ID:	GC113-SV01	GC113-BA01	GC113-FA01	GC113-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/27/2024	3/27/2024	3/27/2024	3/27/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U	0.58 U	0.58 U	
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U	0.71 U	0.71 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U	0.68 U	0.68 U	
1,1,2-Trichloroethane	0.51 U	0.51 U	0.51 U	0.51 U	
1,1-Dichloroethane	0.30 U	0.30 U	0.30 U	0.30 U	
1,1-Dichloroethene	0.31 U	0.16 U	0.16 U	0.16 U	
1,2,4-Trichlorobenzene	0.55 U	0.55 U	0.55 U	0.55 U	
1,2,4-Trimethylbenzene	1.1	0.79	0.98	0.88	
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U	0.50 U	0.50 U	
1,2-Dichlorobenzene	0.69 U	0.69 U	0.69 U	0.69 U	
1,2-Dichloroethane	0.33 U	0.33 U	0.33 U	0.33 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.83	0.43 U	
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U	0.67 U	0.67 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.64	0.35 U	0.74	0.35 U	
1,3-Butadiene	0.17 U	0.17 U	0.17 U	0.17 U	
1,3-Dichlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	
1,4-Dichlorobenzene	1.3	0.42 U	0.42 U	0.42 U	
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U	0.26 U	0.26 U	
2-Hexanone	0.22 U	0.22 U	0.22 U	0.22 U	
4-Ethyltoluene	0.39 U	0.39 U	0.39 U	0.39 U	
Acetone	170	9.6 J	31	10 J	
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U	0.24 U	0.24 U	
Benzene	1.2	1.2	1.8	1.2	
Benzyl Chloride	0.39 U	0.39 U	0.39 U	0.39 U	
Bromodichloromethane	0.60 U	0.60 U	0.60 U	0.60 U	
Bromoform	1.8 U	1.8 U	1.8 U	1.8 U	
Bromomethane	0.29 U	0.29 U	0.29 U	0.29 U	
Carbon Disulfide	3.1	0.28 U	0.56	0.28 U	
Carbon Tetrachloride	0.66 U	0.57 J	0.5 J	0.44 J	
Chlorobenzene	0.41 U	0.41 U	0.41 U	0.41 U	
Chloroethane	0.27 U	0.27 U	0.27 U	0.27 U	
Chloroform	1.2	0.68	1.3	0.45 U	
Chloromethane (Methyl Chloride)	0.17 U	0.85	0.17 U	0.89	
Cis-1,2-Dichloroethylene	0.26 U	0.099 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	0.33 U	
Cyclohexane	0.25 U	0.25 U	2.0	1.3	
Dibromochloromethane	0.90 U	0.90 U	0.90 U	0.90 U	
Dichlorodifluoromethane	2.0	2.1	2.2	2.1	
Ethylbenzene	1.0	0.78	1.6	0.78	
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	
Isopropanol	8 J	3.3	23	4.5	
m,p-Xylene	3.2	1.9	5.1	2.1	
Methyl Ethyl Ketone (2-Butanone)	1.6	0.94	3.1	1.1	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.49	0.27 U	0.27 U	0.27 U	
Methylene Chloride	5.5	1.0	2.5	1.0	
Naphthalene	0.4 U	0.52 J	1.0 J	0.4 U	
N-Heptane	2.6	1.3	4.6	1.2	
N-Hexane	1.2	1.0	2.8	1.1	
O-Xylene (1,2-Dimethylbenzene)	1.2	0.74	2.0	0.78	
Styrene	0.6	0.35 U	0.85	0.35 U	

**Table C-101 GC113 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC113			
	Location ID:	GC113-SV01	GC113-BA01	GC113-FA01	GC113-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/27/2024	3/27/2024	3/27/2024	3/27/2024
Tert-Butyl Methyl Ether		0.31 U	0.31 U	0.31 U	0.31 U
Tetrachloroethylene (PCE)		0.88	0.56 U	1.2	0.56 U
Tetrahydrofuran		0.20 U	0.20 U	0.20 U	0.20 U
Toluene		5.1	3.8	38	3.9
Trans-1,2-Dichloroethene		0.27 U	0.27 U	0.27 U	0.27 U
Trans-1,3-Dichloropropene		0.33 U	0.33 U	0.33 U	0.33 U
Trichloroethylene (TCE)		0.4 U	0.16 U	0.16 U	0.16 U
Trichlorofluoromethane		1.3	1.3	1.4	1.3
Vinyl Bromide		0.36 U	0.36 U	0.36 U	0.36 U
Vinyl Chloride		0.2 U	0.066 U	0.066 U	0.066 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-102 GC115 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC115		
	Location ID:	GC115-BA01	GC115-FA01	GC115-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	3/19/2024	3/19/2024	3/19/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.24 U	0.32 J	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.41 U	0.47 J	0.42 J	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	0.39 U	0.86 J	0.39 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.23 U	0.29 J	0.23 U	
1,3-Butadiene	0.086 U	0.086 U	0.086 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	0.54 U	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.30 U	
2-Hexanone	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	0.24 U	0.26 J	0.24 U	
Acetone	15	910	8.5 J	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	
Benzene	0.21 J	0.44 J	0.35 J	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	0.75 J	0.40 U	0.40 U	
Carbon Tetrachloride	0.36	0.38	0.41	
Chlorobenzene	0.20 U	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	
Chloroform	0.23 J	0.20 U	0.20 U	
Chloromethane (Methyl Chloride)	0.47 J	1.2	1.1	
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	
Cyclohexane	0.20 U	0.55 J	0.30 J	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	2.6	2.7	2.2 J	
Ethylbenzene	0.30 U	0.85 J	0.30 U	

**Table C-102 GC115 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC115		
	Location ID:	GC115-BA01	GC115-FA01	GC115-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Basement Air	First Floor Air	Outdoor Air
	Date:	3/19/2024	3/19/2024	3/19/2024
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	
Isopropanol	3.9 U	6.2 J	3.9 U	
m,p-Xylene	0.83 J	3.4	0.64 J	
Methyl Ethyl Ketone (2-Butanone)	1.4 U	7.2	1.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.53 U	0.53 J	0.53 U	
Methylene Chloride	6.9	14	0.63 U	
Naphthalene	1.6 U	1.6 U	1.6 U	
N-Heptane	0.72 J	31	0.25 J	
N-Hexane	0.39 U	1.0 J	0.39 U	
O-Xylene (1,2-Dimethylbenzene)	0.34 J	1.2	0.29 J	
Styrene	0.25 U	7.8	0.25 U	
Tert-Butyl Methyl Ether	0.13 U	0.13 U	0.13 U	
Tetrachloroethylene (PCE)	0.27 J	0.14 U	0.14 U	
Tetrahydrofuran	3.8 U	36	3.8 U	
Toluene	0.96	6.2	0.71 J	
Trans-1,2-Dichloroethene	0.091 U	0.091 U	0.091 U	
Trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	
Trichloroethylene (TCE)	0.13 U	0.13 U	0.13 U	
Trichlorofluoromethane	1.0 J	1.2	1.2	
Vinyl Bromide	0.22 U	0.22 U	0.22 U	
Vinyl Chloride	0.054 U	0.054 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-103 GC116 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC116			
	Location ID:	GC116-SV01	GC116-BA01	GC116-FA01	GC116-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/26/2024	3/26/2024	3/26/2024	3/26/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	2.3 J	0.58 U	0.58 U	0.58 U	0.58 U
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U
1,1,2-Trichloroethane	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
1,1-Dichloroethane	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
1,1-Dichloroethene	0.31 U	0.16 U	0.16 U	0.16 U	0.16 U
1,2,4-Trichlorobenzene	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
1,2,4-Trimethylbenzene	1.4	0.74	0.34 U	0.34 U	0.34 U
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
1,2-Dichloroethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
1,3,5-Trimethylbenzene (Mesitylene)	1.1	0.35 U	0.35 U	0.35 U	0.35 U
1,3-Butadiene	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
1,3-Dichlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	2.2	0.42 U	0.42 U	0.42 U	0.42 U
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
2-Hexanone	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
4-Ethyltoluene	0.84	0.39 U	0.39 U	0.39 U	0.39 U
Acetone	490	11 J	10 J	8.8 J	
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Benzene	1.5	1.0	0.70	0.80	
Benzyl Chloride	0.92	0.39 U	0.39 U	0.39 U	0.39 U
Bromodichloromethane	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
Bromoform	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Bromomethane	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Carbon Disulfide	16	0.28 U	0.28 U	0.28 U	0.28 U
Carbon Tetrachloride	0.66 U	0.11 U	0.44 J	0.38 J	
Chlorobenzene	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Chloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Chloroform	0.45 U	0.68 J	0.45 U	3.0	
Chloromethane (Methyl Chloride)	0.56	1.3	0.97	0.93	
Cis-1,2-Dichloroethylene	0.26 U	0.099 U	0.099 U	0.099 U	0.099 U
Cis-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Cyclohexane	0.41 J	0.25 U	0.25 U	0.25 U	0.25 U
Dibromochloromethane	0.90 UJ	0.90 UJ	0.90 UJ	0.90 UJ	0.90 UJ
Dichlorodifluoromethane	2.2	2.4	2.4	2.3	
Ethylbenzene	1.2	0.25 U	0.25 U	0.25 U	0.25 U
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Isopropanol	15	3.0	3.3	2.5	
m,p-Xylene	4.0	1.0 J	0.83 J	0.91 J	
Methyl Ethyl Ketone (2-Butanone)	2.2	1.0	0.65 J	0.74 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	7.3	0.27 U	0.27 U	0.27 U	0.27 U
Methylene Chloride	10	0.90	1.3	0.83	

**Table C-103 GC116 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC116			
	Location ID:	GC116-SV01	GC116-BA01	GC116-FA01	GC116-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/26/2024	3/26/2024	3/26/2024	3/26/2024
Naphthalene	1.4 J	0.40 U	0.40 U	0.40 U	
N-Heptane	0.78	0.78	0.49 J	0.49 J	
N-Hexane	0.81	0.56	0.49 J	0.46 J	
O-Xylene (1,2-Dimethylbenzene)	1.6	0.43 U	0.43 U	0.43 U	
Styrene	1.7	0.35 U	0.35 U	0.35 U	
Tert-Butyl Methyl Ether	0.31 U	0.31 U	0.31 U	0.31 U	
Tetrachloroethylene (PCE)	140	1.0	0.56 U	0.56 U	
Tetrahydrofuran	0.83	0.20 U	0.20 U	0.20 U	
Toluene	9.0	3.3	1.8	1.8	
Trans-1,2-Dichloroethene	0.27 U	0.27 U	0.27 U	0.27 U	
Trans-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	0.33 U	
Trichloroethylene (TCE)	1.0	0.16 U	0.16 U	0.16 U	
Trichlorofluoromethane	1.7	1.2	1.3	1.2	
Vinyl Bromide	0.36 U	0.36 U	0.36 U	0.36 U	
Vinyl Chloride	0.20 U	0.066 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-104 GC117 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC117			
	Location ID:	GC117-SV01	GC117-BA01	GC117-FA01	GC117-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/26/2024	3/26/2024	3/26/2024	3/26/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U	0.58 U	0.58 U	
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U	0.71 U	0.71 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U	0.68 U	0.68 U	
1,1,2-Trichloroethane	0.51 U	0.51 U	0.51 U	0.51 U	
1,1-Dichloroethane	0.30 U	0.30 U	0.30 U	0.30 U	
1,1-Dichloroethene	0.31 U	0.16 U	0.16 U	0.16 U	
1,2,4-Trichlorobenzene	0.55 U	0.55 U	0.55 U	0.55 U	
1,2,4-Trimethylbenzene	1.1	0.34 U	0.34 U	0.34 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U	0.50 U	0.50 U	
1,2-Dichlorobenzene	0.69 U	0.69 U	0.69 U	0.69 U	
1,2-Dichloroethane	0.33 U	0.33 U	0.33 U	0.33 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U	0.67 U	0.67 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.59 J	0.35 U	0.35 U	0.35 U	
1,3-Butadiene	0.17 U	0.17 U	0.17 U	0.17 U	
1,3-Dichlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	
1,4-Dichlorobenzene	1.8	0.42 U	0.42 U	0.42 U	
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U	0.26 U	0.26 U	
2-Hexanone	0.22 U	0.22 U	0.22 U	0.22 U	
4-Ethyltoluene	0.39 U	0.39 U	0.39 U	0.39 U	
Acetone	400	5.2 J	6.5 J	6.7 J	
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U	0.24 U	0.24 U	
Benzene	1.2	2.6	1.5	1.0	
Benzyl Chloride	0.39 U	0.39 U	0.39 U	0.39 U	
Bromodichloromethane	0.60 U	0.60 U	0.60 U	0.60 U	
Bromoform	1.8 U	1.8 U	1.8 U	1.8 U	
Bromomethane	0.29 U	0.29 U	0.29 U	0.29 U	
Carbon Disulfide	8.4	0.28 U	0.28 U	0.28 U	
Carbon Tetrachloride	0.66 U	0.44 J	0.38 J	0.38 J	
Chlorobenzene	0.41 U	0.41 U	0.41 U	0.41 U	
Chloroethane	0.27 U	0.27 U	0.27 U	0.27 U	
Chloroform	0.73	3.7	1.4	0.45 U	
Chloromethane (Methyl Chloride)	0.17 U	0.81	0.87	0.99	
Cis-1,2-Dichloroethylene	0.26 U	0.099 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	0.33 U	
Cyclohexane	0.38 J	0.83	0.86	0.76	
Dibromochloromethane	0.90 UJ	0.90 UJ	0.90 UJ	0.90 UJ	
Dichlorodifluoromethane	2.2	2.3	2.3	2.4	
Ethylbenzene	1.0	0.91	0.56 J	0.43 J	
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	
Isopropanol	5.4	1.7	2.6	2.7	
m,p-Xylene	3.3	1.1 J	1.1 J	1.3	
Methyl Ethyl Ketone (2-Butanone)	2.5	0.53 J	0.65 J	0.65 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.1 J	0.27 U	0.27 U	0.27 U	
Methylene Chloride	7.8	0.73	0.87	0.87	

**Table C-104 GC117 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC117			
	Location ID:	GC117-SV01	GC117-BA01	GC117-FA01	GC117-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/26/2024	3/26/2024	3/26/2024	3/26/2024
Naphthalene	0.40 U	0.40 U	0.40 U	0.40 U	
N-Heptane	0.61	0.41 J	0.49 J	0.53 J	
N-Hexane	0.20 U	0.53	0.56	0.63	
O-Xylene (1,2-Dimethylbenzene)	1.3	0.56 J	0.43 J	0.52 J	
Styrene	0.68	0.35 U	0.35 U	0.35 U	
Tert-Butyl Methyl Ether	0.31 U	0.31 U	0.31 U	0.31 U	
Tetrachloroethylene (PCE)	1.8	1.9	1.0	0.56 U	
Tetrahydrofuran	0.71	0.20 U	0.20 U	0.20 U	
Toluene	4.7	2.0	2.0	2.5	
Trans-1,2-Dichloroethene	0.27 U	0.27 U	0.27 U	0.27 U	
Trans-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	0.33 U	
Trichloroethylene (TCE)	0.40 U	0.16 U	0.16 U	0.16 U	
Trichlorofluoromethane	1.2	1.2	1.2	1.2	
Vinyl Bromide	0.36 U	0.36 U	0.36 U	0.36 U	
Vinyl Chloride	0.20 U	0.066 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-105 GC119 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC119			
	Location ID:	GC119-SV01	GC119-BA01	GC119-FA01	GC119-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/26/2024	3/26/2024	3/26/2024	3/26/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.65 J	0.58 U	0.58 U	0.58 U	
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U	0.71 U	0.71 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U	0.68 U	0.68 U	
1,1,2-Trichloroethane	0.51 U	0.51 U	0.51 U	0.51 U	
1,1-Dichloroethane	0.30 U	0.30 U	0.30 U	0.30 U	
1,1-Dichloroethene	0.31 U	0.16 U	0.16 U	0.16 U	
1,2,4-Trichlorobenzene	0.55 U	0.55 U	0.55 U	0.55 U	
1,2,4-Trimethylbenzene	2.3	74	35	0.88	
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U	0.50 U	0.50 U	
1,2-Dichlorobenzene	0.69 U	0.69 U	0.69 U	0.69 U	
1,2-Dichloroethane	0.33 U	0.33 U	0.33 U	0.33 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U	0.67 U	0.67 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.1	19	13	0.35 U	
1,3-Butadiene	0.17 U	0.17 U	0.17 U	0.17 U	
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	
1,4-Dichlorobenzene	2.5	0.42 U	0.42 U	0.42 U	
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U	0.26 U	0.26 U	
2-Hexanone	0.22 U	0.22 U	0.22 U	0.22 U	
4-Ethyltoluene	0.79	15	15	0.39 U	
Acetone	1800	140	350	9.8 J	
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U	0.24 U	0.24 U	
Benzene	1.6	1.3	1.3	1.3	
Benzyl Chloride	0.39 U	0.39 U	0.39 U	0.39 U	
Bromodichloromethane	0.60 U	0.60 U	0.60 U	0.60 U	
Bromoform	1.8 U	1.8 U	1.8 U	1.8 U	
Bromomethane	0.29 U	0.29 U	0.29 U	0.29 U	
Carbon Disulfide	25	0.28 U	0.28 U	0.28 U	
Carbon Tetrachloride	0.66 U	0.38 J	0.5 J	0.38 J	
Chlorobenzene	0.41 U	0.41 U	0.41 U	0.41 U	
Chloroethane	0.27 U	0.27 U	0.27 U	0.27 U	
Chloroform	6.0	0.63 J	0.54 J	0.45 U	
Chloromethane (Methyl Chloride)	0.17 U	0.17 U	0.95	0.81	
Cis-1,2-Dichloroethylene	0.56 J	0.099 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	0.33 U	
Cyclohexane	1.3	0.69	0.25 U	0.25 U	
Dibromochloromethane	0.90 U	0.90 U	0.90 U	0.90 U	
Dichlorodifluoromethane	1.9	2.0	2.1	2.1	
Ethylbenzene	2.2	7.2	3.1	1.0	
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	
Isopropanol	15	4.3	3.5	2.1	
m,p-Xylene	6.4	15	9.3	1.3 J	
Methyl Ethyl Ketone (2-Butanone)	4.4	1.6	1.2	0.56 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2.5	0.27 U	0.27 U	0.27 U	
Methylene Chloride	20	120	680	2.1	
Naphthalene	0.40 U	1.7 J	0.40 U	0.40 U	
N-Heptane	2.5	2.8	7.3	0.57 J	
N-Hexane	0.20 U	1.2	0.63	0.46 J	
O-Xylene (1,2-Dimethylbenzene)	2.4	8.6	5.4	0.56 J	
Styrene	1.1	0.35 U	0.35 U	0.35 U	

**Table C-105 GC119 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC119			
	Location ID:	GC119-SV01	GC119-BA01	GC119-FA01	GC119-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	3/26/2024	3/26/2024	3/26/2024	3/26/2024
Tert-Butyl Methyl Ether		0.31 U	0.31 U	0.31 U	0.31 U
Tetrachloroethylene (PCE)		6.3	0.81 J	0.88 J	0.56 U
Tetrahydrofuran		1.3	0.20 U	0.20 U	0.20 U
Toluene		11	5.8	3.6	2.3
Trans-1,2-Dichloroethene		0.27 U	0.27 U	0.27 U	0.27 U
Trans-1,3-Dichloropropene		0.33 U	0.33 U	0.33 U	0.33 U
Trichloroethylene (TCE)		160 J	0.21 J	0.16 U	0.16 U
Trichlorofluoromethane		1.1	1.1	1.1	1.1
Vinyl Bromide		0.36 U	0.36 U	0.36 U	0.36 U
Vinyl Chloride		0.20 U	0.066 U	0.066 U	0.066 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-106 GC120 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC120			
	Location ID:	GC120-SV01	GC120-BA01	GC120-BA02	GC120-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	Outdoor Air
	Date:	3/21/2024	3/21/2024	3/21/2024	3/21/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.33 J	0.24 U	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.51 J	0.45 J	0.46 J	0.45 J	
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	730	0.81 J	0.67 J	0.39 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.38 U	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	590	0.27 J	0.23 U	0.23 U	
1,3-Butadiene	0.086 U	0.086 U	0.10 J	0.086 U	
1,3-Dichlorobenzene	0.44 U	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	0.93 J	0.54 U	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	0.30 U	0.30 U	0.70 J	0.30 U	
2-Hexanone	0.61 UJ	0.61 UJ	0.61 UJ	0.61 UJ	
4-Ethyltoluene	25	0.24 U	0.24 U	0.24 U	
Acetone	28	6.3 J	17	3.8 U	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	0.38 U	0.38 U	
Benzene	1.1	0.95	0.45 J	0.37 J	
Benzyl Chloride	0.46 U	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	3.5	0.34 U	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	4.9	0.40 U	0.76 J	0.40 U	
Carbon Tetrachloride	0.63	0.30	0.45	0.40	
Chlorobenzene	0.20 U	0.20 U	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	0.47 U	0.47 U	
Chloroform	88	4.1	0.96 J	0.20 U	
Chloromethane (Methyl Chloride)	0.35 J	1.2	1.3	1.2	
Cis-1,2-Dichloroethylene	0.37	0.50	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	0.20 U	0.20 U	
Cyclohexane	1.3	0.65 J	0.20 U	0.20 U	
Dibromochloromethane	0.54 U	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	2.3 J	2.3 J	2.5	2.4 J	
Ethylbenzene	10	0.94	0.30 U	0.30 U	
Hexachlorobutadiene	1.2 U	1.2 U	1.2 U	1.2 U	
Isopropanol	3.9 U	3.9 U	9.1 J	3.9 U	
m,p-Xylene	110	2.9	0.80 J	0.41 U	
Methyl Ethyl Ketone (2-Butanone)	2.8	1.4 U	1.4 U	1.4 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.77 J	0.53 U	0.53 U	0.53 U	
Methylene Chloride	4.4	0.63 U	1.1 J	0.66 J	

**Table C-106 GC120 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC120			
	Location ID:	GC120-SV01	GC120-BA01	GC120-BA02	GC120-OA01
	Sample Type:	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	Outdoor Air
	Date:	3/21/2024	3/21/2024	3/21/2024	3/21/2024
Naphthalene	12	1.6 U	1.6 U	1.6 U	
N-Heptane	0.96	0.59 J	0.33 J	0.23 U	
N-Hexane	0.94 J	1.1 J	0.39 U	0.39 U	
O-Xylene (1,2-Dimethylbenzene)	100	1.3	0.32 J	0.27 U	
Styrene	21	0.25 U	0.25 U	0.25 U	
Tert-Butyl Methyl Ether	0.13 U	0.13 U	0.13 U	0.13 U	
Tetrachloroethylene (PCE)	1400	18	3.3	0.14 U	
Tetrahydrofuran	3.8 U	3.8 U	3.8 U	3.8 U	
Toluene	37	4.7	1.3	0.32 J	
Trans-1,2-Dichloroethene	0.091 U	0.091 U	0.091 U	0.091 U	
Trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	0.25 U	
Trichloroethylene (TCE)	9.0	0.30	0.13 U	0.13 U	
Trichlorofluoromethane	1.2	1.3	1.3	1.2	
Vinyl Bromide	0.22 U	0.22 U	0.22 U	0.22 U	
Vinyl Chloride	0.054 U	0.054 U	0.054 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-107 GC121 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	GC121						
	Property ID:	GC121-BA01	GC121-SV02	GC121-BA02	GC121-FA01	GC121-FA02	GC123-OA01
	Location ID:	Normal	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Sub-slab Vapor	Basement Air	First Floor Air	First Floor Air	Outdoor Air
Date:	3/27/2024	3/27/2024	3/27/2024	3/27/2024	3/27/2024	3/27/2024	
VOCs by Method TO15 (µg/m3)							
1,1,1-Trichloroethane (TCA)	0.96 U	1.2 U	0.72 U	0.24 U	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	1.2 U	1.5 U	0.88 U	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.6 U	2.0 U	1.2 U	0.41 U	0.41 U	0.45 J	
1,1,2-Trichloroethane	1.6 U	2.0 U	1.2 U	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.40 U	0.51 U	0.30 U	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.41 U	0.52 U	0.31 U	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	9.8 U	12 U	7.3 U	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	10	2.0 U	12	2.9	1.3	1.0	
1,2-Dibromoethane (Ethylene Dibromide)	1.3 U	1.6 U	0.96 U	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	1.6 U	2.0 U	1.2 U	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	1.5 U	1.9 U	1.1 U	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	1.7 U	2.2 U	1.3 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	1.3 U	1.7 U	1.0 U	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	3.1 J	1.2 U	3.5	0.77 J	0.46 J	0.23 U	
1,3-Butadiene	0.35 U	0.43 U	0.26 U	0.12 J	0.10 J	0.23 J	
1,3-Dichlorobenzene	1.8 U	2.2 U	1.3 U	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	2.1 U	2.7 U	1.6 U	0.54 U	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	1.2 U	1.5 U	0.88 U	0.30 U	0.30 U	0.30 U	
2-Hexanone	2.5 U	3.1 U	1.8 U	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	2.8 J	1.2 U	3.2	0.65 J	0.60 J	0.24 U	
Acetone	15 U	19 U	14 J	21	14	13	
Allyl Chloride (3-Chloropropene)	1.5 U	1.9 U	1.1 U	0.38 U	0.38 U	0.38 U	
Benzene	1.0 J	0.70 U	1.0 J	0.93	0.90	1.2	
Benzyl Chloride	1.8 U	2.3 U	1.4 U	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	1.3 U	1.7 U	1.0 U	0.34 U	0.34 U	0.34 U	
Bromoform	5.0 U	6.2 U	3.7 U	1.2 U	1.2 U	1.2 U	
Bromomethane	1.1 U	1.4 U	0.82 U	0.28 U	0.28 U	0.28 U	
Carbon Disulfide	1.6 U	5.4 J	1.2 U	2.1	0.40 U	0.40 U	
Carbon Tetrachloride	0.55 U	0.69 U	0.41 U	0.51	0.27	0.42	
Chlorobenzene	0.81 U	1.0 U	0.61 U	0.20 U	0.20 U	0.20 U	
Chloroethane	1.9 U	2.4 U	1.4 U	0.47 U	0.47 U	0.47 U	
Chloroform	1.2 J	1.0 U	0.71 J	1.1	0.32 J	0.21 J	
Chloromethane (Methyl Chloride)	1.2 U	1.5 U	0.93 U	1.1	0.98 J	1.4	
Cis-1,2-Dichloroethylene	0.33 U	0.42 U	0.25 U	0.083 U	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.82 U	1.0 U	0.61 U	0.20 U	0.20 U	0.20 U	
Cyclohexane	0.80 U	1.0 U	0.87 J	0.54 J	0.51 J	0.41 J	
Dibromochloromethane	2.1 U	2.7 U	1.6 U	0.54 U	0.54 U	0.54 U	
Dichlorodifluoromethane	2.2 U	2.7 U	1.9 J	1.8 J	1.9 J	2.3 J	
Ethylbenzene	3.2 J	1.5 U	3.4	1.8	1.2	0.58 J	
Hexachlorobutadiene	4.7 U	5.9 U	3.5 U	1.2 U	1.2 U	1.2 U	
Isopropanol	16 U	20 U	12 U	6.3 J	4.3 J	3.9 U	
m,p-Xylene	12	3.3 J	13	4.2	4.3	2.0 J	
Methyl Ethyl Ketone (2-Butanone)	5.8 U	7.2 U	4.3 U	2.3	1.4 U	1.7	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2.1 U	2.7 U	1.6 U	0.53 U	0.53 U	0.53 U	
Methylene Chloride	2.5 U	3.1 U	1.9 U	0.72 J	0.84 J	1.1 J	
Naphthalene	6.3 U	7.9 U	4.7 U	1.6 U	1.6 U	1.6 U	
N-Heptane	1.5 J	1.1 U	1.6 J	0.85	0.98	0.95	
N-Hexane	1.6 U	1.9 U	1.3 J	1.0 J	1.0 J	1.2 J	
O-Xylene (1,2-Dimethylbenzene)	5.1	1.4 U	5.7	1.6	1.7	0.66 J	
Styrene	1.0 U	1.3 U	0.75 U	0.25 U	0.25 U	0.25 U	
Tert-Butyl Methyl Ether	0.52 U	0.65 U	0.39 U	0.13 U	0.13 U	0.13 U	
Tetrachloroethylene (PCE)	1500	3300	1700	300	530	0.42 J	

**Table C-107 GC121 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC121					
	Location ID:	GC121-BA01	GC121-SV02	GC121-BA02	GC121-FA01	GC121-FA02	GC123-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Sub-slab Vapor	Basement Air	First Floor Air	First Floor Air	Outdoor Air
Date:	3/27/2024	3/27/2024	3/27/2024	3/27/2024	3/27/2024	3/27/2024	
Tetrahydrofuran	15 U	19 U	11 U	3.8 U	3.8 U	3.8 U	
Toluene	3.9	3.4 J	4.1	3.6	3.0	3.4	
Trans-1,2-Dichloroethene	0.36 U	0.46 U	0.27 U	0.091 U	0.091 U	0.091 U	
Trans-1,3-Dichloropropene	0.98 U	1.2 U	0.73 U	0.25 U	0.25 U	0.25 U	
Trichloroethylene (TCE)	1.4	4.4	1.6	0.21	0.34	0.13 U	
Trichlorofluoromethane	1.1 U	1.4 U	0.97 J	1.1	1.1	1.4	
Vinyl Bromide	0.87 U	1.1 U	0.65 U	0.22 U	0.22 U	0.22 U	
Vinyl Chloride	0.21 U	0.27 U	0.16 U	0.054 U	0.054 U	0.054 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-107 GC121 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	GC121				
	Property ID:	GC121-SV01	GC121-BA01	GC121-BA01	GC121-OA01
	Location ID:				
	Sample Type:	Normal	Normal	Duplicate	Normal
Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	Outdoor Air	
Date:	4/9/2024	4/9/2024	4/9/2024	4/9/2024	
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U	0.58 U	0.58 U	
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U	0.71 U	0.71 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U	0.68 U	0.68 U	
1,1,2-Trichloroethane	0.51 U	0.51 U	0.51 U	0.51 U	
1,1-Dichloroethane	0.30 U	0.30 U	0.30 U	0.30 U	
1,1-Dichloroethene	0.31 U	0.16 U	0.16 U	0.16 U	
1,2,4-Trichlorobenzene	0.55 U	0.55 U	0.55 U	0.55 U	
1,2,4-Trimethylbenzene	5.8	65	60	2.5	
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U	0.50 U	0.50 U	
1,2-Dichlorobenzene	0.69 U	0.69 U	0.69 U	0.69 U	
1,2-Dichloroethane	1.7	0.33 U	0.33 U	0.33 U	
1,2-Dichloropropane	0.65 J	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U	0.67 U	0.67 U	
1,3,5-Trimethylbenzene (Mesitylene)	2.9	17	15	0.69 J	
1,3-Butadiene	0.17 U	0.17 U	0.17 U	0.17 U	
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	
1,4-Dichlorobenzene	1.7	0.42 U	0.42 U	0.42 U	
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U	0.26 U	0.26 U	
2-Hexanone	2.9	0.22 U	0.22 U	0.22 U	
4-Ethyltoluene	1.9	15	15	0.54 J	
Acetone	130	20	24	14 J	
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U	0.24 U	0.24 U	
Benzene	3.0	3.5	4.0	0.77	
Benzyl Chloride	0.39 U	0.39 U	0.39 U	0.39 U	
Bromodichloromethane	0.60 U	0.60 U	0.60 U	0.60 U	
Bromoform	1.8 U	1.8 U	1.8 U	1.8 U	
Bromomethane	0.29 U	0.29 U	0.29 U	0.29 U	
Carbon Disulfide	21	0.28 U	0.28 U	0.4 J	
Carbon Tetrachloride	0.66 U	0.50	0.44	0.50	
Chlorobenzene	0.41 U	0.41 U	0.41 U	0.41 U	
Chloroethane	0.27 U	0.27 U	0.27 U	0.27 U	
Chloroform	1.3	1.9	1.9	0.45 U	
Chloromethane (Methyl Chloride)	0.35	1.2	1.3	1.0	
Cis-1,2-Dichloroethylene	0.26 U	0.099 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	0.33 U	
Cyclohexane	120	50	52	0.25 U	
Dibromochloromethane	0.90 U	0.90 U	0.90 U	0.90 U	
Dichlorodifluoromethane	2.8	2.5	2.8	2.7	
Ethylbenzene	37	7.8	8.3	0.61 J	
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	
Isopropanol	13	0.21 U	0.21 U	2.9	
m,p-Xylene	130	32	24	1.7	
Methyl Ethyl Ketone (2-Butanone)	74 J	2.5	2.8	1.3	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	12	0.27 U	0.27 U	0.27 U	
Methylene Chloride	18	1.9	2.3	2.3	
Naphthalene	1.2 J	2.6 J	2.5 J	0.68 J	
N-Heptane	15	4.7	5.0	0.57 J	
N-Hexane	92	2.1	2.4	0.56	
O-Xylene (1,2-Dimethylbenzene)	21	12	11	0.69	
Styrene	1.8	0.35 U	0.35 U	0.35 U	
Tert-Butyl Methyl Ether	0.31 U	0.31 U	0.31 U	0.31 U	
Tetrachloroethylene (PCE)	260	26	24	0.56 U	

**Table C-107 GC121 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC121			
	Location ID:	GC121-SV01	GC121-BA01	GC121-BA01	GC121-OA01
	Sample Type:	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Basement Air	Outdoor Air
	Date:	4/9/2024	4/9/2024	4/9/2024	4/9/2024
Tetrahydrofuran		0.20 U	0.20 U	0.20 U	0.20 U
Toluene		1100	11	9.8	2.2
Trans-1,2-Dichloroethene		0.27 U	0.27 U	0.27 U	0.27 U
Trans-1,3-Dichloropropene		0.33 U	0.33 U	0.33 U	0.33 U
Trichloroethylene (TCE)		1.0	3.1	3.1	0.16 U
Trichlorofluoromethane		1.3	1.4	1.4	1.3
Vinyl Bromide		0.36 U	0.36 U	0.36 U	0.36 U
Vinyl Chloride		0.2 U	0.066 U	0.066 U	0.066 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-108 GC122 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC122				
	Location ID:	GC122-SV01	GC122-BA01	GC122-SV02	GC122-BA02	GC122-SV03
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Sub-slab Vapor
	Date:	3/27/2024	3/27/2024	3/27/2024	3/27/2024	3/27/2024
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.48 U	0.24 U	0.24 U	0.24 U	0.58 J	
1,1,2,2-Tetrachloroethane	0.59 U	0.30 U	0.30 U	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.81 U	0.41 U	0.41 U	0.41 U	0.42 J	
1,1,2-Trichloroethane	0.81 U	0.40 U	0.40 U	0.40 U	0.40 U	
1,1-Dichloroethane	0.20 U	0.10 U	0.10 U	0.10 U	0.10 U	
1,1-Dichloroethene	0.21 U	0.10 U	0.10 U	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	4.9 U	2.4 U	2.4 U	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	1.1 J	1.5	1.5	4.7	1.4	
1,2-Dibromoethane (Ethylene Dibromide)	0.65 U	0.32 U	0.32 U	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.79 U	0.40 U	0.40 U	0.40 U	0.40 U	
1,2-Dichloroethane	0.75 U	0.38 U	0.38 U	0.38 U	0.38 U	
1,2-Dichloropropane	0.87 U	0.43 U	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.67 U	0.34 U	0.34 U	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.46 U	0.40 J	0.25 J	1.4	0.23 J	
1,3-Butadiene	0.17 U	0.097 J	0.086 U	0.099 J	0.086 U	
1,3-Dichlorobenzene	0.89 U	0.44 U	0.44 U	0.44 U	0.44 U	
1,4-Dichlorobenzene	1.1 U	0.54 U	0.87 J	0.54 U	0.69 J	
1,4-Dioxane (P-Dioxane)	0.59 U	0.30 U	0.30 U	0.30 U	0.30 U	
2-Hexanone	1.2 U	0.61 U	0.61 U	0.61 U	0.61 U	
4-Ethyltoluene	0.48 U	0.33 J	0.24 U	0.81 J	0.24 U	
Acetone	12 J	10 J	31	9.1 J	31	
Allyl Chloride (3-Chloropropene)	0.75 U	0.38 U	0.38 U	0.38 U	0.38 U	
Benzene	0.30 J	0.99	0.33 J	0.90	0.39 J	
Benzyl Chloride	0.91 U	0.46 U	0.46 U	0.46 U	0.46 U	
Bromodichloromethane	0.67 U	0.34 U	0.34 U	0.34 U	0.34 U	
Bromoform	2.5 U	1.2 U	1.2 U	1.2 U	1.2 U	
Bromomethane	0.55 U	0.28 U	0.28 U	0.28 U	0.28 U	

**Table C-108 GC122 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC122				
	Location ID:	GC122-SV01	GC122-BA01	GC122-SV02	GC122-BA02	GC122-SV03
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix: Date:	Sub-slab Vapor 3/27/2024	Basement Air 3/27/2024	Sub-slab Vapor 3/27/2024	Basement Air 3/27/2024	Sub-slab Vapor 3/27/2024
Carbon Disulfide		2.8 J	0.40 U	2.2	0.40 U	2.8
Carbon Tetrachloride		0.46	0.30	0.31	0.26	0.34
Chlorobenzene		0.41 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroethane		0.95 U	0.47 U	0.47 U	0.47 U	0.47 U
Chloroform		0.40 U	0.31 J	0.20 U	0.23 J	0.20 U
Chloromethane (Methyl Chloride)		0.62 U	0.97 J	0.41 J	0.87 J	0.34 J
Cis-1,2-Dichloroethylene		0.17 U	0.083 U	0.083 U	0.083 U	0.083 U
Cis-1,3-Dichloropropene		0.41 U	0.20 U	0.20 U	0.20 U	0.20 U
Cyclohexane		0.40 U	0.38 J	0.38 J	0.48 J	0.20 U
Dibromochloromethane		1.1 U	0.54 U	0.54 U	0.54 U	0.54 U
Dichlorodifluoromethane		2.3 J	1.8 J	2.0 J	1.8 J	2.7
Ethylbenzene		1.0 J	0.60 J	2.1	0.79 J	1.7
Hexachlorobutadiene		2.3 U	1.2 U	1.2 U	1.2 U	1.2 U
Isopropanol		7.9 U	3.9 U	3.9 J	3.9 U	3.9 U
m,p-Xylene		2.8 J	2.2	6.7	2.8	5.7
Methyl Ethyl Ketone (2-Butanone)		2.9 U	2.8	2.5	3.4	1.9
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		1.1 U	0.53 U	1.0 J	0.53 U	0.98 J
Methylene Chloride		1.3 U	0.78 J	1.1 J	0.82 J	1.9
Naphthalene		3.1 U	1.6 U	1.6 U	1.6 U	1.6 U
N-Heptane		0.45 U	0.69 J	0.38 J	0.74 J	0.42 J
N-Hexane		0.78 U	1.0 J	0.41 J	1.1 J	0.61 J
O-Xylene (1,2-Dimethylbenzene)		0.90 J	0.84 J	1.5	1.2	1.4
Styrene		0.53 J	0.25 U	0.74 J	0.25 U	0.65 J
Tert-Butyl Methyl Ether		0.26 U	0.13 U	0.13 U	0.13 U	0.13 U
Tetrachloroethylene (PCE)		3700	4.0	110	3.3	48
Tetrahydrofuran		7.7 U	3.8 U	3.8 U	3.8 U	3.8 U
Toluene		3.1	10	4.2	13	4.8
Trans-1,2-Dichloroethene		0.18 U	0.091 U	0.091 U	0.091 U	0.091 U
Trans-1,3-Dichloropropene		0.49 U	0.25 U	0.25 U	0.25 U	0.25 U
Trichloroethylene (TCE)		0.27 U	0.13 U	0.13 U	0.13 U	0.13 U
Trichlorofluoromethane		1.1 J	1.1	1.0 J	1.1	1.0 J
Vinyl Bromide		0.44 U	0.22 U	0.22 U	0.22 U	0.22 U
Vinyl Chloride		0.11 U	0.054 U	0.054 U	0.054 U	0.054 U

**Table C-108 GC122 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC122					
	Location ID:	GC122-BA03	GC122-SV04	GC122-BA04	GC122-BA05	GC123-OA01	GC122-FA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Sub-slab Vapor	Basement Air	Basement Air	Outdoor Air	First Floor Air
Date:	3/27/2024	3/27/2024	3/27/2024	3/27/2024	3/27/2024	4/9/2024	
VOCs by Method TO15 (µg/m3)							
1,1,1-Trichloroethane (TCA)		0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.58 U
1,1,2,2-Tetrachloroethane		0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.71 U
1,1,2-Trichloro-1,2,2-Trifluoroethane		0.41 U	0.47 J	0.41 U	0.41 U	0.45 J	0.68 U
1,1,2-Trichloroethane		0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.51 U
1,1-Dichloroethane		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.30 U
1,1-Dichloroethene		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.16 U
1,2,4-Trichlorobenzene		2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	0.55 U
1,2,4-Trimethylbenzene		0.39 U	1.4	0.39 U	0.91 J	1.0	2.0
1,2-Dibromoethane (Ethylene Dibromide)		0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.50 U
1,2-Dichlorobenzene		0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.69 U
1,2-Dichloroethane		0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.33 U
1,2-Dichloropropane		0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
1,2-Dichlorotetrafluoroethane		0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.67 U
1,3,5-Trimethylbenzene (Mesitylene)		0.23 U	0.25 J	0.23 U	0.28 J	0.23 U	0.84
1,3-Butadiene		0.10 J	0.29 J	0.10 J	0.12 J	0.23 J	0.17 U
1,3-Dichlorobenzene		0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.50 U
1,4-Dichlorobenzene		0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.42 U
1,4-Dioxane (P-Dioxane)		0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.26 U
2-Hexanone		0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.22 U
4-Ethyltoluene		0.24 U	0.24 U	0.24 U	0.25 J	0.24 U	0.59 J
Acetone		11 J	17	13	7.7 J	13	28
Allyl Chloride (3-Chloropropene)		0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.24 U
Benzene		1.0	0.65	2.1	1.2	1.2	1.2
Benzyl Chloride		0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.39 U
Bromodichloromethane		0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.60 U
Bromoform		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.8 U
Bromomethane		0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.29 U

**Table C-108 GC122 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC122					
	Location ID:	GC122-BA03	GC122-SV04	GC122-BA04	GC122-BA05	GC123-OA01	GC122-FA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal
	Sample Matrix: Date:	Basement Air 3/27/2024	Sub-slab Vapor 3/27/2024	Basement Air 3/27/2024	Basement Air 3/27/2024	Outdoor Air 3/27/2024	First Floor Air 4/9/2024
Carbon Disulfide		0.40 U	3.0	0.62 J	0.40 U	0.40 U	0.28 U
Carbon Tetrachloride		0.26	0.34	0.27	0.29	0.42	0.50
Chlorobenzene		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.41 U
Chloroethane		0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.27 U
Chloroform		0.66 J	1.1	1.4	0.20 U	0.21 J	0.45 U
Chloromethane (Methyl Chloride)		0.88 J	0.33 J	0.98 J	0.91 J	1.4	1.2
Cis-1,2-Dichloroethylene		0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.099 U
Cis-1,3-Dichloropropene		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.33 U
Cyclohexane		1.0	0.54 J	4.2	0.34 J	0.41 J	0.69
Dibromochloromethane		0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.90 U
Dichlorodifluoromethane		1.8 J	2.3 J	1.8 J	1.8 J	2.3 J	2.4
Ethylbenzene		0.64 J	1.4	0.51 J	0.59 J	0.58 J	1.2
Hexachlorobutadiene		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U
Isopropanol		6.1 J	3.9 U	9.0 J	3.9 U	3.9 U	15
m,p-Xylene		1.6 J	4.1	1.1 J	2.1 J	2.0 J	4.0
Methyl Ethyl Ketone (2-Butanone)		1.4 U	1.7	1.7	2.1	1.7	6.5 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.41 J
Methylene Chloride		0.78 J	3.2	0.70 J	0.73 J	1.1 J	2.8
Naphthalene		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.68 J
N-Heptane		1.2	0.73 J	2.5	0.54 J	0.95	1.2
N-Hexane		2.3	3.4	8.6	0.85 J	1.2 J	1.6
O-Xylene (1,2-Dimethylbenzene)		0.48 J	1.1	0.32 J	0.83 J	0.66 J	1.5
Styrene		0.25 U	0.40 J	0.25 U	0.25 U	0.25 U	0.6 J
Tert-Butyl Methyl Ether		0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.31 U
Tetrachloroethylene (PCE)		2.3	17	1.6	2.3	0.42 J	1.6
Tetrahydrofuran		3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	0.20 U
Toluene		6.7	4.2	7.7	9.1	3.4	17
Trans-1,2-Dichloroethene		0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.27 U
Trans-1,3-Dichloropropene		0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.33 U
Trichloroethylene (TCE)		0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.21
Trichlorofluoromethane		1.1	1.1	1.1	1.1	1.4	1.4
Vinyl Bromide		0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.36 U
Vinyl Chloride		0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.066 U

**Table C-109 GC123 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date: Analyte	GC123				
	GC123-BA01	GC123-SV02	GC123-BA02	GC123-BA03	GC123-OA01
	Normal	Normal	Normal	Normal	Normal
	Basement Air	Sub-slab Vapor	Basement Air	Basement Air	Outdoor Air
	3/27/2024	3/27/2024	3/27/2024	3/27/2024	3/27/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.27 U	0.24 U	0.24 U	0.24 U	0.24 U
1,1,2,2-Tetrachloroethane	0.33 U	0.55 J	0.30 U	0.30 U	0.30 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.79 J	0.41 U	0.45 J	0.45 J	0.45 J
1,1,2-Trichloroethane	0.45 U	0.40 U	0.40 U	0.40 U	0.40 U
1,1-Dichloroethane	0.11 U	0.10 U	0.10 U	0.10 U	0.10 U
1,1-Dichloroethene	0.12 U	0.10 U	0.10 U	0.10 U	0.10 U
1,2,4-Trichlorobenzene	2.7 U	2.4 U	2.4 U	2.4 U	2.4 U
1,2,4-Trimethylbenzene	0.95 J	2.9	1.2	0.39 U	1.0
1,2-Dibromoethane (Ethylene Dibromide)	0.36 U	0.32 U	0.32 U	0.32 U	0.32 U
1,2-Dichlorobenzene	0.44 U	0.40 U	0.40 U	0.40 U	0.40 U
1,2-Dichloroethane	0.42 U	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dichloropropane	0.49 U	0.43 U	0.43 U	0.43 U	0.43 U
1,2-Dichlorotetrafluoroethane	0.38 U	0.34 U	0.34 U	0.34 U	0.34 U
1,3,5-Trimethylbenzene (Mesitylene)	0.26 U	0.46 J	0.23 U	0.23 U	0.23 U
1,3-Butadiene	0.24 J	0.15 J	0.26 J	0.21 J	0.23 J
1,3-Dichlorobenzene	0.50 U	0.44 U	0.44 U	0.44 U	0.44 U
1,4-Dichlorobenzene	0.60 U	1.2	0.54 U	0.54 U	0.54 U
1,4-Dioxane (P-Dioxane)	0.33 U	2.7 J	0.30 U	0.30 U	0.30 U
2-Hexanone	0.69 U	0.61 U	0.61 U	0.61 U	0.61 U
4-Ethyltoluene	0.27 U	0.42 J	0.24 U	0.24 U	0.24 U
Acetone	35	170	25	12	13
Allyl Chloride (3-Chloropropene)	0.42 U	0.38 U	0.38 U	0.38 U	0.38 U
Benzene	1.2	0.92	1.2	1.1	1.2
Benzyl Chloride	0.51 U	0.46 U	0.46 U	0.46 U	0.46 U
Bromodichloromethane	0.38 U	0.34 U	0.34 U	0.34 U	0.34 U
Bromoform	1.4 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromomethane	0.31 U	0.28 U	0.28 U	0.28 U	0.28 U
Carbon Disulfide	2.7	8.2	0.40 U	0.40 U	0.40 U
Carbon Tetrachloride	0.42	2.6	0.29	0.28	0.42
Chlorobenzene	0.23 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroethane	0.53 U	0.47 U	0.47 U	0.47 U	0.47 U
Chloroform	0.25 J	0.34 J	0.28 J	0.28 J	0.21 J
Chloromethane (Methyl Chloride)	1.5	0.82 J	1.8	1.2	1.4
Cis-1,2-Dichloroethylene	0.093 U	0.083 U	0.083 U	0.083 U	0.083 U
Cis-1,3-Dichloropropene	0.23 U	0.20 U	0.20 U	0.20 U	0.20 U
Cyclohexane	1.8	0.45 J	0.48 J	0.37 J	0.41 J
Dibromochloromethane	0.60 U	0.54 U	0.54 U	0.54 U	0.54 U
Dichlorodifluoromethane	2.7 J	2.0 J	2.3 J	2.3 J	2.3 J
Ethylbenzene	1.2	5.6	0.57 J	0.38 J	0.58 J
Hexachlorobutadiene	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U
Isopropanol	6.4 J	15	4.3 J	3.9 U	3.9 U
m,p-Xylene	3.9	17	1.9 J	0.94 J	2.0 J
Methyl Ethyl Ketone (2-Butanone)	4.1	11	3.9	1.5	1.7
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.60 U	1.7 J	0.53 U	0.53 U	0.53 U
Methylene Chloride	3.2	1.9	1.1 J	1.1 J	1.1 J
Naphthalene	1.8 U	1.6 U	1.6 U	1.6 U	1.6 U
N-Heptane	1.6	4.3	1.1	0.85	0.95
N-Hexane	2.2	1.0 J	1.2 J	1.1 J	1.2 J
O-Xylene (1,2-Dimethylbenzene)	1.3	3.8	0.66 J	0.27 J	0.66 J

**Table C-109 GC123 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC123				
	Location ID:	GC123-BA01	GC123-SV02	GC123-BA02	GC123-BA03	GC123-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Basement Air	Sub-slab Vapor	Basement Air	Basement Air	Outdoor Air
Date:	3/27/2024	3/27/2024	3/27/2024	3/27/2024	3/27/2024	
Styrene		0.28 U	1.1	0.25 U	0.25 U	0.25 U
Tert-Butyl Methyl Ether		0.15 U	0.13 U	0.13 U	0.13 U	0.13 U
Tetrachloroethylene (PCE)		2.1	49	0.59 J	0.45 J	0.42 J
Tetrahydrofuran		4.8 J	3.8 U	3.8 U	3.8 U	3.8 U
Toluene		7.2	7.1	3.5	3.0	3.4
Trans-1,2-Dichloroethene		0.10 U	0.091 U	0.091 U	0.091 U	0.091 U
Trans-1,3-Dichloropropene		0.27 U	0.25 U	0.25 U	0.25 U	0.25 U
Trichloroethylene (TCE)		0.15 U	1.4	0.16 J	0.13 U	0.13 U
Trichlorofluoromethane		1.5	0.86 J	1.4	1.4	1.4
Vinyl Bromide		0.24 U	0.22 U	0.22 U	0.22 U	0.22 U
Vinyl Chloride		0.060 U	0.054 U	0.054 U	0.054 U	0.054 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-109 GC123 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Property ID: Location ID: Sample Type: Sample Matrix: Date: Analyte	GC123						
	GC123-SV03	GC123-BA03	GC123-SV04	GC123-BA04	GC123-SV05	GC123-BA05	GC123-OA01 ⁽¹⁾
	Normal	Normal	Normal	Normal	Normal	Normal	Normal
	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Outdoor Air
	4/11/2024	4/11/2024	4/11/2024	4/11/2024	4/11/2024	4/11/2024	4/11/2024
VOCs by Method TO15 (µg/m3)							
1,1,1-Trichloroethane (TCA)	7.76 U	0.409 U	0.627 U	0.432 U	0.701 U	0.441 U	0.362 U
1,1,2,2-Tetrachloroethane	5.58 U	0.294 U	0.450 U	0.310 U	0.504 U	0.317 U	0.260 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	12.5 U	0.656 U	1.01 U	0.693 U	1.13 U	0.708 U	0.581 U
1,1,2-Trichloroethane	3.97 U	0.209 U	0.321 U	0.221 U	0.359 U	0.226 U	0.185 U
1,1-Dichloroethane	5.69 U	0.300 U	0.459 U	0.316 U	0.514 U	0.323 U	0.265 U
1,1-Dichloroethene	1.68 U	0.0884 U	0.135 U	0.0934 U	0.152 U	0.0954 U	0.0783 U
1,2,4-Trichlorobenzene	9.93 UJ	0.523 UJ	0.801 UJ	0.552 UJ	0.897 UJ	0.564 UJ	0.463 UJ
1,2,4-Trimethylbenzene	4.99 U	0.351 J	0.605 J	0.602	4.59	0.378 J	0.233 U
1,2-Dibromoethane (Ethylene Dibromide)	5.20 U	0.274 U	0.420 U	0.290 U	0.470 U	0.296 U	0.243 U
1,2-Dichlorobenzene	6.62 U	0.349 U	0.534 UJ	0.368 U	0.598 UJ	0.376 UJ	0.309 UJ
1,2-Dichloroethane	4.25 U	0.224 U	0.343 U	0.236 U	0.384 U	0.241 U	0.198 U
1,2-Dichloropropane	3.99 U	0.210 U	0.322 U	0.222 U	0.361 U	0.227 U	0.186 U
1,2-Dichlorotetrafluoroethane	11.6 U	0.611 U	0.937 U	0.645 U	1.05 U	0.659 U	0.541 U
1,3,5-Trimethylbenzene (Mesitylene)	4.49 U	0.237 U	0.363 U	0.250 U	2.86	0.255 U	0.210 U
1,3-Butadiene	1.42 UJ	0.0750 UJ	0.115 UJ	0.0792 UJ	0.129 UJ	0.0809 UJ	0.0664 UJ
1,3-Dichlorobenzene	6.82 U	0.359 U	0.551 U	0.379 U	0.616 U	0.388 U	0.318 U
1,4-Dichlorobenzene	6.11 U	0.322 U	0.493 U	0.340 U	0.552 J	0.347 U	0.285 U
1,4-Dioxane (P-Dioxane)	5.49 J	0.267 U	0.409 U	0.282 U	0.458 U	0.288 U	0.236 U
2-Hexanone	33.3	0.767	0.230 U	0.158 U	1.00 J	0.276 J	0.615 J
4-Ethyltoluene	6.33 U	0.333 U	0.538 J	0.463	2.63	0.359 U	0.295 U
Acetone	832	8.60	28.6	27.7	103	20.9	53.0
Allyl Chloride (3-Chloropropene)	4.03 U	0.212 U	0.325 U	0.224 U	0.364 U	0.229 U	0.188 U
Benzene	5.35 U	0.342	0.917	0.331	1.86	0.338	0.379
Benzyl Chloride	4.73 U	0.249 U	0.382 U	0.263 U	0.428 U	0.269 U	0.221 U
Bromodichloromethane	3.86 U	0.203 U	0.311 U	0.215 U	0.349 U	0.219 U	0.180 U
Bromoform	8.57 U	0.452 U	0.692 U	0.477 U	0.775 U	0.487 U	0.400 U
Bromomethane	6.44 U	0.339 U	0.520 UJ	0.358 U	0.582 UJ	0.366 UJ	0.301 UJ
Carbon Disulfide	9.49	0.261 U	3.41	0.323	9.43	0.719	0.295
Carbon Tetrachloride	2.66 U	0.393	1.29	0.356	0.289	0.363	0.348
Chlorobenzene	4.36 U	0.230 U	0.352 U	0.243 U	0.394 U	0.248 U	0.204 U
Chloroethane	2.86 U	0.151 U	0.231 U	0.159 U	0.258 U	0.162 U	0.133 U
Chloroform	7.60 U	0.401 U	0.614 U	0.423 U	0.687 U	0.432 U	0.355 U
Chloromethane (Methyl Chloride)	1.71 UJ	1.90 J	1.21 J	2.20 J	0.853 J	2.19 J	2.22 J
Cis-1,2-Dichloroethylene	1.68 U	0.0884 U	0.135 U	0.0934 U	0.152 U	0.0954 U	0.0783 U
Cis-1,3-Dichloropropene	3.15 U	0.166 U	0.254 U	0.175 U	0.285 U	0.179 U	0.147 U
Cyclohexane	5.01 U	0.264 U	0.423 J	0.279 U	0.474 J	0.285 U	0.234 U
Dibromochloromethane	7.07 U	0.372 U	0.571 U	0.393 U	0.639 U	0.402 U	0.330 U
Dichlorodifluoromethane	7.53 U	2.16	2.64	2.10	2.72	2.24	2.23
Ethylbenzene	5.88 J	0.267 U	0.475 J	0.327 J	3.65	0.288 U	0.237 U
Hexachlorobutadiene	15.3 U	0.809 U	1.24 UJ	0.854 U	1.39 UJ	0.872 UJ	0.716 UJ
Isopropanol	1680	14.7	5.54	17.1	11.3	10.9	2.43
m,p-Xylene	19.1	0.813	1.78	1.27	8.97	0.961	0.583 J
Methyl Ethyl Ketone (2-Butanone)	83.9	1.16	1.57	0.945	8.89	1.08	4.19
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	22.9	0.311 U	0.728	0.328 U	1.57	0.335 U	0.275 U
Methylene Chloride	4.12 U	1.46	0.950	1.47	1.43	0.601 J	0.659
Naphthalene	8.61 UJ	0.454 UJ	0.695 UJ	0.479 UJ	0.778 UJ	0.489 UJ	0.402 UJ
N-Heptane	2.98 U	0.439	0.504 J	0.579	6.52	0.670	0.550
N-Hexane	4.77 U	0.252 J	0.434 J	0.266 J	7.77	0.271 U	0.278
O-Xylene (1,2-Dimethylbenzene)	5.88 J	0.271 J	0.653	0.450	5.58	0.334 J	0.206 J

**Table C-109 GC123 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC123						
	Location ID:	GC123-SV03	GC123-BA03	GC123-SV04	GC123-BA04	GC123-SV05	GC123-BA05	GC123-OA01 ⁽¹⁾
	Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	4/11/2024	4/11/2024	4/11/2024	4/11/2024	4/11/2024	4/11/2024	4/11/2024
Styrene		4.25 U	0.224 U	0.466 J	0.241 J	1.17	0.242 U	0.199 U
Tert-Butyl Methyl Ether		5.92 U	0.312 U	0.478 U	0.329 U	0.535 U	0.336 U	0.276 U
Tetrachloroethylene (PCE)		234	0.907	7.97	0.958	8.51	0.783	0.911
Tetrahydrofuran		17.0	0.139 U	0.214 U	0.611	0.239 U	0.150 U	0.123 U
Toluene		12.1	1.14	3.76	1.70	11.9	1.05	0.863
Trans-1,2-Dichloroethene		5.30 U	0.279 U	0.428 U	0.295 U	0.479 U	0.301 U	0.247 U
Trans-1,3-Dichloropropene		7.07 U	0.372 U	0.571 U	0.393 U	0.639 U	0.402 U	0.330 U
Trichloroethylene (TCE)		2.27 U	0.120 U	0.184 U	0.127 U	0.206 U	0.129 U	0.106 U
Trichlorofluoromethane		7.23 U	1.15	1.15	1.16	1.12	1.19	1.15
Vinyl Bromide		7.11 U	0.375 U	0.574 U	0.396 U	0.642 U	0.404 U	0.332 U
Vinyl Chloride		1.90 UJ	0.100 UJ	0.154 UJ	0.106 UJ	0.172 UJ	0.108 UJ	0.0889 UJ

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Notes:

(1) Sample GC123-OA01 from 4/11/24 is denoted as GC123-OA02 in the laboratory report and was corrected after receipt of data reports.

Bold numbers indicate that the chemical was detected.

**Table C-110 GC124 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC124		
	Location ID:	GC124-SV01	GC124-BA01	GC124-FA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air
	Date:	3/25/2024	3/25/2024	3/25/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U	0.58 U	
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U	0.71 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U	0.68 U	
1,1,2-Trichloroethane	0.51 U	0.51 U	0.51 U	
1,1-Dichloroethane	0.30 U	0.30 U	0.30 U	
1,1-Dichloroethene	0.31 U	0.16 U	0.16 U	
1,2,4-Trichlorobenzene	0.55 U	0.55 U	0.55 U	
1,2,4-Trimethylbenzene	2.1	0.34 U	0.34 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U	0.50 U	
1,2-Dichlorobenzene	0.69 U	0.69 U	0.69 U	
1,2-Dichloroethane	1.1	0.33 U	0.33 U	
1,2-Dichloropropane	0.43 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U	0.67 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.2	0.35 U	0.35 U	
1,3-Butadiene	0.17 U	0.17 U	0.17 U	
1,3-Dichlorobenzene	0.50 U	0.50 U	0.50 U	
1,4-Dichlorobenzene	1.5	0.42 U	0.42 U	
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U	0.26 U	
2-Hexanone	0.22 U	0.22 U	0.22 U	
4-Ethyltoluene	0.54	0.39 U	0.39 U	
Acetone	35	12	15	
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U	0.24 U	
Benzene	1.8	0.77	0.70	
Benzyl Chloride	0.39 U	0.39 U	0.39 U	
Bromodichloromethane	0.60 U	0.60 U	0.60 U	
Bromoform	1.8 U	1.8 U	1.8 U	
Bromomethane	0.29 U	0.29 U	0.29 U	
Carbon Disulfide	20	0.28 U	0.47	
Carbon Tetrachloride	0.66 U	0.44 J	0.50 J	
Chlorobenzene	0.41 U	0.41 U	0.41 U	
Chloroethane	0.27 U	0.27 U	0.27 U	
Chloroform	0.49	0.45 U	0.59	
Chloromethane (Methyl Chloride)	0.17 U	0.85	0.83	
Cis-1,2-Dichloroethylene	0.26 U	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	
Cyclohexane	0.25 U	0.25 U	0.25 U	
Dibromochloromethane	0.90 UJ	0.90 UJ	0.90 UJ	
Dichlorodifluoromethane	3.2	2.3	2.4	

**Table C-110 GC124 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC124		
	Location ID:	GC124-SV01	GC124-BA01	GC124-FA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	First Floor Air
	Date:	3/25/2024	3/25/2024	3/25/2024
Ethylbenzene	1.6	0.25 U	0.25 U	
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	
Isopropanol	8.6	2.7	7.4	
m,p-Xylene	5.7	0.65	0.61	
Methyl Ethyl Ketone (2-Butanone)	2.7	0.77	0.88	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	6.4	0.27 U	0.27 U	
Methylene Chloride	9.0	63	72 J	
Naphthalene	0.40 U	0.40 U	0.40 U	
N-Heptane	1.1	0.78	1.6	
N-Hexane	0.49	0.39	0.49	
O-Xylene (1,2-Dimethylbenzene)	2.3	0.43 U	0.43 U	
Styrene	1.3	0.35 U	0.35 U	
Tert-Butyl Methyl Ether	0.31 U	0.31 U	0.31 U	
Tetrachloroethylene (PCE)	7.1	0.56 U	0.56 U	
Tetrahydrofuran	0.71	0.20 U	0.20 U	
Toluene	16	1.3	1.3	
Trans-1,2-Dichloroethene	0.27 U	0.27 U	0.27 U	
Trans-1,3-Dichloropropene	0.33 U	0.33 U	0.33 U	
Trichloroethylene (TCE)	0.59	0.16 U	0.16 U	
Trichlorofluoromethane	1.3	1.2	1.2	
Vinyl Bromide	0.36 U	0.36 U	0.36 U	
Vinyl Chloride	0.20 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-111 GC125 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC125	
	Location ID:	GC125-SV01	GC125-BA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air
	Date:	3/25/2024	3/25/2024
VOCs by Method TO15 (µg/m3)			
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U	
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U	
1,1,2-Trichloroethane	0.51 U	0.51 U	
1,1-Dichloroethane	0.30 U	0.30 U	
1,1-Dichloroethene	0.31 U	0.16 U	
1,2,4-Trichlorobenzene	0.55 U	0.55 U	
1,2,4-Trimethylbenzene	1.4	0.98	
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U	
1,2-Dichlorobenzene	0.69 U	0.69 U	
1,2-Dichloroethane	0.33 U	0.33 U	
1,2-Dichloropropane	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.74	0.54 J	
1,3-Butadiene	0.17 U	0.17 U	
1,3-Dichlorobenzene	0.50 U	0.50 U	
1,4-Dichlorobenzene	1.3	0.42 U	
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U	
2-Hexanone	0.22 U	0.22 U	
4-Ethyltoluene	0.39 U	0.39 U	
Acetone	160 J	23	
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U	
Benzene	0.70	1.5	
Benzyl Chloride	0.39 U	0.39 U	
Bromodichloromethane	0.60 U	0.60 U	
Bromoform	1.8 U	1.8 U	
Bromomethane	0.29 U	0.29 U	
Carbon Disulfide	12	0.28 U	
Carbon Tetrachloride	0.66 U	0.50 J	
Chlorobenzene	0.41 U	0.41 U	
Chloroethane	0.27 U	0.27 U	
Chloroform	6.3	1.1	
Chloromethane (Methyl Chloride)	0.17 U	0.17 U	
Cis-1,2-Dichloroethylene	0.26 U	0.099 U	
Cis-1,3-Dichloropropene	0.33 U	0.33 U	
Cyclohexane	0.25 U	0.25 U	

**Table C-111 GC125 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC125	
	Location ID:	GC125-SV01	GC125-BA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air
	Date:	3/25/2024	3/25/2024
Dibromochloromethane	0.90 UJ	0.90 UJ	
Dichlorodifluoromethane	2.4	2.4	
Ethylbenzene	1.3	2.1	
Hexachlorobutadiene	1.1 U	1.1 U	
Isopropanol	17	7.9	
m,p-Xylene	4.4	6.6	
Methyl Ethyl Ketone (2-Butanone)	2.6	1.3	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.90 J	0.27 U	
Methylene Chloride	14	0.97	
Naphthalene	0.40 U	0.40 U	
N-Heptane	0.90	2.9	
N-Hexane	1.1	1.1	
O-Xylene (1,2-Dimethylbenzene)	1.5	2.4	
Styrene	1.1	0.60 J	
Tert-Butyl Methyl Ether	0.31 U	0.31 U	
Tetrachloroethylene (PCE)	5.6	1.6	
Tetrahydrofuran	1.0	0.20 U	
Toluene	16	38	
Trans-1,2-Dichloroethene	0.27 U	0.27 U	
Trans-1,3-Dichloropropene	0.33 U	0.33 U	
Trichloroethylene (TCE)	0.40 U	0.16 U	
Trichlorofluoromethane	1.3	1.2	
Vinyl Bromide	0.36 U	0.36 U	
Vinyl Chloride	0.20 U	0.066 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-112 GC126 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	GC126	
	Property ID:	GC126
	Location ID:	GC126-BA01 GC037-OA01
	Sample Type:	Normal Normal
	Sample Matrix:	Basement Air Outdoor Air
	Date:	4/4/2024 4/4/2024
VOCs by Method TO15 (µg/m3)		
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U
1,1,2-Trichloroethane	0.51 U	0.51 U
1,1-Dichloroethane	0.30 U	0.30 U
1,1-Dichloroethene	0.16 U	0.16 U
1,2,4-Trichlorobenzene	0.55 U	0.55 U
1,2,4-Trimethylbenzene	0.84	0.34 U
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U
1,2-Dichlorobenzene	0.69 U	0.69 U
1,2-Dichloroethane	0.33 U	0.33 U
1,2-Dichloropropane	0.79	0.43 U
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U
1,3,5-Trimethylbenzene (Mesitylene)	0.35 U	0.35 U
1,3-Butadiene	0.17 U	0.17 U
1,3-Dichlorobenzene	0.50 U	0.50 U
1,4-Dichlorobenzene	0.42 U	0.42 U
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U
2-Hexanone	0.22 U	0.22 U
4-Ethyltoluene	0.39 U	0.39 U
Acetone	39	13 J
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U
Benzene	1.1	0.73
Benzyl Chloride	0.39 U	0.39 U
Bromodichloromethane	0.60 U	0.60 U
Bromoform	1.8 U	1.8 U
Bromomethane	0.29 U	0.29 U
Carbon Disulfide	0.34 J	0.28 U
Carbon Tetrachloride	0.63 J	0.44
Chlorobenzene	0.41 U	0.41 U
Chloroethane	0.27 U	0.27 U
Chloroform	0.83	0.45 U
Chloromethane (Methyl Chloride)	1.4	1.0
Cis-1,2-Dichloroethylene	0.32	0.099 U
Cis-1,3-Dichloropropene	0.33 U	0.33 U
Cyclohexane	0.76	0.25 U

**Table C-112 GC126 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC126	
	Location ID:	GC126-BA01	GC037-OA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Basement Air	Outdoor Air
	Date:	4/4/2024	4/4/2024
Dibromochloromethane		0.90 U	0.90 U
Dichlorodifluoromethane		2.5	2.7
Ethylbenzene		0.78	0.25 U
Hexachlorobutadiene		1.1 U	1.1 U
Isopropanol		20	2.1
m,p-Xylene		2.4	0.61 J
Methyl Ethyl Ketone (2-Butanone)		3.3	0.65 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		0.78 J	0.27 U
Methylene Chloride		10	3.0
Naphthalene		1.0 J	0.58 J
N-Heptane		1.8	0.49 J
N-Hexane		3.3	0.49 J
O-Xylene (1,2-Dimethylbenzene)		1.2	0.43 U
Styrene		0.64	0.35 U
Tert-Butyl Methyl Ether		0.31 U	0.31 U
Tetrachloroethylene (PCE)		0.95 J	0.56 U
Tetrahydrofuran		0.20 U	0.20 U
Toluene		16	1.2
Trans-1,2-Dichloroethene		0.27 U	0.27 U
Trans-1,3-Dichloropropene		0.33 U	0.33 U
Trichloroethylene (TCE)		0.97	0.16
Trichlorofluoromethane		1.4	1.3
Vinyl Bromide		0.36 U	0.36 U
Vinyl Chloride		0.066 U	0.066 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-113 GC127 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	GC127	
	Property ID:	GC127
	Location ID:	GC127-BA01 GC037-OA01
	Sample Type:	Normal Normal
	Sample Matrix:	Basement Air Outdoor Air
	Date:	4/4/2024 4/4/2024
VOCs by Method TO15 (µg/m3)		
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U
1,1,2-Trichloroethane	0.51 U	0.51 U
1,1-Dichloroethane	0.30 U	0.30 U
1,1-Dichloroethene	0.24	0.16 U
1,2,4-Trichlorobenzene	0.55 U	0.55 U
1,2,4-Trimethylbenzene	0.59 J	0.34 U
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U
1,2-Dichlorobenzene	0.69 U	0.69 U
1,2-Dichloroethane	0.33 U	0.33 U
1,2-Dichloropropane	0.43 U	0.43 U
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U
1,3,5-Trimethylbenzene (Mesitylene)	0.35 U	0.35 U
1,3-Butadiene	0.17 U	0.17 U
1,3-Dichlorobenzene	0.50 U	0.50 U
1,4-Dichlorobenzene	0.42 U	0.42 U
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U
2-Hexanone	0.22 U	0.22 U
4-Ethyltoluene	0.39 U	0.39 U
Acetone	30 J	13 J
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U
Benzene	0.73	0.73
Benzyl Chloride	0.39 U	0.39 U
Bromodichloromethane	0.60 U	0.60 U
Bromoform	1.8 U	1.8 U
Bromomethane	0.29 U	0.29 U
Carbon Disulfide	0.28 U	0.28 U
Carbon Tetrachloride	0.63 J	0.44
Chlorobenzene	0.41 U	0.41 U
Chloroethane	0.27 U	0.27 U
Chloroform	1.2	0.45 U
Chloromethane (Methyl Chloride)	1.2	1.0
Cis-1,2-Dichloroethylene	0.12	0.099 U
Cis-1,3-Dichloropropene	0.33 U	0.33 U
Cyclohexane	0.25 U	0.25 U

**Table C-113 GC127 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC127	
	Location ID:	GC127-BA01	GC037-OA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Basement Air	Outdoor Air
	Date:	4/4/2024	4/4/2024
Dibromochloromethane		0.90 U	0.90 U
Dichlorodifluoromethane		2.6	2.7
Ethylbenzene		1.4	0.25 U
Hexachlorobutadiene		1.1 U	1.1 U
Isopropanol		110 J	2.1
m,p-Xylene		5.2	0.61 J
Methyl Ethyl Ketone (2-Butanone)		1.8	0.65 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		0.27 U	0.27 U
Methylene Chloride		3.1	3.0
Naphthalene		0.73 J	0.58 J
N-Heptane		0.86	0.49 J
N-Hexane		0.39 J	0.49 J
O-Xylene (1,2-Dimethylbenzene)		2.5	0.43 U
Styrene		0.35 U	0.35 U
Tert-Butyl Methyl Ether		0.31 U	0.31 U
Tetrachloroethylene (PCE)		1.3	0.56 U
Tetrahydrofuran		0.20 U	0.20 U
Toluene		2.8	1.2
Trans-1,2-Dichloroethene		0.27 U	0.27 U
Trans-1,3-Dichloropropene		0.33 U	0.33 U
Trichloroethylene (TCE)		0.54	0.16
Trichlorofluoromethane		1.3	1.3
Vinyl Bromide		0.36 U	0.36 U
Vinyl Chloride		0.066 U	0.066 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-114 GC128 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	GC128	
	Property ID:	GC128
	Location ID:	GC128-BA01 GC037-OA01
	Sample Type:	Normal Normal
	Sample Matrix:	Basement Air Outdoor Air
	Date:	4/4/2024 4/4/2024
VOCs by Method TO15 (µg/m3)		
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U
1,1,2-Trichloroethane	0.51 U	0.51 U
1,1-Dichloroethane	0.30 U	0.30 U
1,1-Dichloroethene	0.16 U	0.16 U
1,2,4-Trichlorobenzene	0.55 U	0.55 U
1,2,4-Trimethylbenzene	0.64 J	0.34 U
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U
1,2-Dichlorobenzene	0.69 U	0.69 U
1,2-Dichloroethane	0.33 U	0.33 U
1,2-Dichloropropane	0.43 U	0.43 U
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U
1,3,5-Trimethylbenzene (Mesitylene)	0.35 U	0.35 U
1,3-Butadiene	0.17 U	0.17 U
1,3-Dichlorobenzene	0.50 U	0.50 U
1,4-Dichlorobenzene	0.42 U	0.42 U
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U
2-Hexanone	0.22 U	0.22 U
4-Ethyltoluene	0.39 U	0.39 U
Acetone	32 J	13 J
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U
Benzene	0.77	0.73
Benzyl Chloride	0.39 U	0.39 U
Bromodichloromethane	0.60 U	0.60 U
Bromoform	1.8 U	1.8 U
Bromomethane	0.29 U	0.29 U
Carbon Disulfide	0.84	0.28 U
Carbon Tetrachloride	0.44	0.44
Chlorobenzene	0.41 U	0.41 U
Chloroethane	0.27 U	0.27 U
Chloroform	1.3	0.45 U
Chloromethane (Methyl Chloride)	0.99	1.0
Cis-1,2-Dichloroethylene	0.099 U	0.099 U
Cis-1,3-Dichloropropene	0.33 U	0.33 U
Cyclohexane	0.25 U	0.25 U

**Table C-114 GC128 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC128	
	Location ID:	GC128-BA01	GC037-OA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Basement Air	Outdoor Air
	Date:	4/4/2024	4/4/2024
Dibromochloromethane		0.90 U	0.90 U
Dichlorodifluoromethane		2.6	2.7
Ethylbenzene		1.1	0.25 U
Hexachlorobutadiene		1.1 U	1.1 U
Isopropanol		48 J	2.1
m,p-Xylene		4.0	0.61 J
Methyl Ethyl Ketone (2-Butanone)		1.7	0.65 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		0.27 U	0.27 U
Methylene Chloride		2.9	3.0
Naphthalene		0.94 J	0.58 J
N-Heptane		1.1	0.49 J
N-Hexane		0.60	0.49 J
O-Xylene (1,2-Dimethylbenzene)		2.3	0.43 U
Styrene		0.43 J	0.35 U
Tert-Butyl Methyl Ether		0.31 U	0.31 U
Tetrachloroethylene (PCE)		1.6	0.56 U
Tetrahydrofuran		0.20 U	0.20 U
Toluene		2.6	1.2
Trans-1,2-Dichloroethene		0.27 U	0.27 U
Trans-1,3-Dichloropropene		0.33 U	0.33 U
Trichloroethylene (TCE)		0.54	0.16
Trichlorofluoromethane		1.3	1.3
Vinyl Bromide		0.36 U	0.36 U
Vinyl Chloride		0.066 U	0.066 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-115 GC129 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC129		
	Location ID:	GC129-SV01	GC129-BA01	GC037-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	4/4/2024	4/4/2024	4/4/2024
VOCs by Method TO15 (µg/m3)				
1,1,1-Trichloroethane (TCA)	1.2 U	0.58 U	0.58 U	
1,1,2,2-Tetrachloroethane	1.4 U	0.71 U	0.71 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.4 U	0.68 U	0.68 U	
1,1,2-Trichloroethane	1.0 U	0.51 U	0.51 U	
1,1-Dichloroethane	0.60 U	0.30 U	0.30 U	
1,1-Dichloroethene	0.63 U	0.16	0.16 U	
1,2,4-Trichlorobenzene	1.1 U	0.55 U	0.55 U	
1,2,4-Trimethylbenzene	3.7	0.74	0.34 U	
1,2-Dibromoethane (Ethylene Dibromide)	1.0 U	0.50 U	0.50 U	
1,2-Dichlorobenzene	1.4 U	0.69 U	0.69 U	
1,2-Dichloroethane	0.65 U	0.33 U	0.33 U	
1,2-Dichloropropane	0.87 U	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	1.3 U	0.67 U	0.67 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.2 J	0.54 J	0.35 U	
1,3-Butadiene	0.34 U	0.17 U	0.17 U	
1,3-Dichlorobenzene	1.0 U	0.50 U	0.50 U	
1,4-Dichlorobenzene	0.84 U	0.42 U	0.42 U	
1,4-Dioxane (P-Dioxane)	0.52 U	0.26 U	0.26 U	
2-Hexanone	0.43 U	0.22 U	0.22 U	
4-Ethyltoluene	0.77 U	0.39 U	0.39 U	
Acetone	61 J	55	13 J	
Allyl Chloride (3-Chloropropene)	0.48 U	0.24 U	0.24 U	
Benzene	1.3	0.77	0.73	
Benzyl Chloride	0.77 U	0.39 U	0.39 U	
Bromodichloromethane	1.2 U	0.60 U	0.60 U	
Bromoform	3.6 U	1.8 U	1.8 U	
Bromomethane	0.58 U	0.29 U	0.29 U	
Carbon Disulfide	2.3	0.28 U	0.28 U	
Carbon Tetrachloride	1.3 U	0.69 J	0.44	
Chlorobenzene	0.81 U	0.41 U	0.41 U	
Chloroethane	0.54 U	0.27 U	0.27 U	
Chloroform	1.2 J	1.7	0.45 U	
Chloromethane (Methyl Chloride)	0.35 U	1.7	1.0	
Cis-1,2-Dichloroethylene	0.53 U	0.16	0.099 U	
Cis-1,3-Dichloropropene	0.66 U	0.33 U	0.33 U	
Cyclohexane	4.9	0.48 J	0.25 U	
Dibromochloromethane	1.8 U	0.90 U	0.90 U	
Dichlorodifluoromethane	0.80 U	2.6	2.7	
Ethylbenzene	4.8	1.0	0.25 U	

**Table C-115 GC129 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC129		
	Location ID:	GC129-SV01	GC129-BA01	GC037-OA01
	Sample Type:	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Outdoor Air
	Date:	4/4/2024	4/4/2024	4/4/2024
Hexachlorobutadiene	2.1 U	1.1 U	1.1 U	
Isopropanol	16 J	18	2.1	
m,p-Xylene	15	3.4	0.61 J	
Methyl Ethyl Ketone (2-Butanone)	2.4	2.0	0.65 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.53 U	0.27 U	0.27 U	
Methylene Chloride	7.2	3.3	3.0	
Naphthalene	1.3 J	0.84 J	0.58 J	
N-Heptane	1.4	0.33 U	0.49 J	
N-Hexane	1.8	1.1	0.49 J	
O-Xylene (1,2-Dimethylbenzene)	5.0	3.3	0.43 U	
Styrene	0.70 U	0.55 J	0.35 U	
Tert-Butyl Methyl Ether	0.63 U	0.31 U	0.31 U	
Tetrachloroethylene (PCE)	2.4	2.5	0.56 U	
Tetrahydrofuran	0.40 U	0.20 U	0.20 U	
Toluene	4.7	2.6	1.2	
Trans-1,2-Dichloroethene	0.54 U	0.27 U	0.27 U	
Trans-1,3-Dichloropropene	0.65 U	0.33 U	0.33 U	
Trichloroethylene (TCE)	0.79 U	0.43	0.16	
Trichlorofluoromethane	2.0	1.3	1.3	
Vinyl Bromide	0.72 U	0.36 U	0.36 U	
Vinyl Chloride	0.41 U	0.066 U	0.066 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-116 GC130 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC130	
	Location ID:	GC130-BA01	GC037-OA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Basement Air	Outdoor Air
	Date:	4/4/2024	4/4/2024
VOCs by Method TO15 (µg/m3)			
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U	
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U	
1,1,2-Trichloroethane	0.51 U	0.51 U	
1,1-Dichloroethane	0.30 U	0.30 U	
1,1-Dichloroethene	0.16 U	0.16 U	
1,2,4-Trichlorobenzene	0.55 U	0.55 U	
1,2,4-Trimethylbenzene	0.69 J	0.34 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U	
1,2-Dichlorobenzene	0.69 U	0.69 U	
1,2-Dichloroethane	0.33 U	0.33 U	
1,2-Dichloropropane	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.35 U	0.35 U	
1,3-Butadiene	0.17 U	0.17 U	
1,3-Dichlorobenzene	0.50 U	0.50 U	
1,4-Dichlorobenzene	0.42 U	0.42 U	
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U	
2-Hexanone	0.22 U	0.22 U	
4-Ethyltoluene	0.39 U	0.39 U	
Acetone	45 J	13 J	
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U	
Benzene	0.77	0.73	
Benzyl Chloride	0.39 U	0.39 U	
Bromodichloromethane	0.60 U	0.60 U	
Bromoform	1.8 U	1.8 U	
Bromomethane	0.29 U	0.29 U	
Carbon Disulfide	0.28 U	0.28 U	
Carbon Tetrachloride	0.50	0.44	
Chlorobenzene	0.41 U	0.41 U	
Chloroethane	0.27 U	0.27 U	
Chloroform	1.4	0.45 U	
Chloromethane (Methyl Chloride)	1.7	1.0	
Cis-1,2-Dichloroethylene	0.099 U	0.099 U	
Cis-1,3-Dichloropropene	0.33 U	0.33 U	
Cyclohexane	0.25 U	0.25 U	

**Table C-116 GC130 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC130	
	Location ID:	GC130-BA01	GC037-OA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Basement Air	Outdoor Air
	Date:	4/4/2024	4/4/2024
Dibromochloromethane		0.90 U	0.90 U
Dichlorodifluoromethane		2.6	2.7
Ethylbenzene		0.74	0.25 U
Hexachlorobutadiene		1.1 U	1.1 U
Isopropanol		11 J	2.1
m,p-Xylene		2.5	0.61 J
Methyl Ethyl Ketone (2-Butanone)		1.5	0.65 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		0.27 U	0.27 U
Methylene Chloride		3.1	3.0
Naphthalene		0.84 J	0.58 J
N-Heptane		0.86	0.49 J
N-Hexane		0.42 J	0.49 J
O-Xylene (1,2-Dimethylbenzene)		4.6	0.43 U
Styrene		0.55 J	0.35 U
Tert-Butyl Methyl Ether		0.31 U	0.31 U
Tetrachloroethylene (PCE)		1.8	0.56 U
Tetrahydrofuran		0.32 J	0.20 U
Toluene		5.3	1.2
Trans-1,2-Dichloroethene		0.27 U	0.27 U
Trans-1,3-Dichloropropene		0.33 U	0.33 U
Trichloroethylene (TCE)		0.43	0.16
Trichlorofluoromethane		1.3	1.3
Vinyl Bromide		0.36 U	0.36 U
Vinyl Chloride		0.066 U	0.066 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-117 GC130 Summary of Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

	Property ID	GC130
	Location ID:	GC130-WG01
	Sample Type:	Normal
	Date:	04/04/24
Analyte		
Volatile Organic Compounds by Method 8260D (µg/L)		
1,1,1-Trichloroethane (TCA)		0.24 U
1,1,2,2-Tetrachloroethane		0.37 UJ
1,1,2-Trichloroethane		0.20 U
1,1-Dichloroethane		0.26 U
1,1-Dichloroethene		0.26 U
1,2-Dichloroethane		0.43 U
1,2-Dichloropropane		0.35 U
2-Hexanone		1.1 U
Acetone		4.4 U
Benzene		0.20 U
Bromodichloromethane		0.34 U
Bromoform		0.54 U
Bromomethane		0.55 U
Carbon Disulfide		0.82 U
Carbon Tetrachloride		0.21 U
Chlorobenzene		0.38 U
Chloroethane		0.32 U
Chloroform		0.33 U
Chloromethane (Methyl Chloride)		0.40 UJ
Cis-1,2-Dichloroethylene		0.78 J
Cis-1,3-Dichloropropene		0.22 U
Dibromochloromethane		0.28 U
Ethylbenzene		0.81 J
Methyl Ethyl Ketone (2-Butanone)		1.9 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		1.3 U
Methylene Chloride		0.32 U
Styrene		0.49 J
Tetrachloroethylene (PCE)		0.25 U
Toluene		0.38 U
Trans-1,2-Dichloroethene		0.25 J
Trans-1,3-Dichloropropene		0.22 U
Trichloroethylene (TCE)		1.1
Vinyl Chloride		0.17 U
Xylenes		2.7

**Table C-117 GC130 Summary of Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Property ID: GC130	
Location ID: GC130-WG01	
Sample Type: Normal	
Date: 04/04/24	
Analyte	
Semivolatile Organic Compounds by Method SW8270E (µg/L)	
1,2,4,5-Tetrachlorobenzene	1.2 U
1,4-Dioxane (P-Dioxane)	1.6 U
2,3,4,6-Tetrachlorophenol	0.75 U
2,4,5-Trichlorophenol	0.88 U
2,4,6-Trichlorophenol	0.86 U
2,4-Dichlorophenol	1.1 U
2,4-Dimethylphenol	0.62 U
2,4-Dinitrophenol	2.6 U
2,4-Dinitrotoluene	1.0 U
2,6-Dinitrotoluene	0.83 U
2-Chloronaphthalene	1.2 U
2-Chlorophenol	0.38 U
2-Methylnaphthalene	0.53 U
2-Methylphenol (O-Cresol)	0.67 U
2-Nitroaniline	0.47 U
2-Nitrophenol	0.75 U
3,3'-Dichlorobenzidine	1.4 U
3-Nitroaniline	1.9 U
4,6-Dinitro-2-Methylphenol	3.0 U
4-Bromophenyl Phenyl Ether	0.75 U
4-Chloro-3-Methylphenol	0.58 U
4-Chloroaniline	1.9 U
4-Chlorophenyl Phenyl Ether	1.3 U
4-Nitroaniline	1.2 U
4-Nitrophenol	4.0 U
Acenaphthene	1.1 U
Acenaphthylene	0.82 U
Acetophenone	2.3 U
Anthracene	1.3 U
Atrazine	1.3 U
Benzaldehyde	2.1 UJ
Benzo(A)Anthracene	0.59 U
Benzo(A)Pyrene	0.41 U
Benzo(B)Fluoranthene	0.68 U
Benzo(G,H,I)Perylene	0.70 UJ
Benzo(K)Fluoranthene	0.67 U
Benzyl Butyl Phthalate	0.85 U
Biphenyl (Diphenyl or 1,1'-Biphenyl)	1.2 U
Bis(2-Chloroethoxy) Methane	0.59 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	0.63 U
Bis(2-Chloroisopropyl) Ether	0.63 U
Bis(2-Ethylhexyl) Phthalate	0.80 U
Caprolactam	2.2 U
Carbazole	0.68 U
Chrysene	0.91 U
Cresols, M & P	0.64 U
Dibenz(A,H)Anthracene	0.72 UJ
Dibenzofuran	1.1 U
Diethyl Phthalate	0.98 U

**Table C-117 GC130 Summary of Analytical Results for Water Samples
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID	GC130
	Location ID:	GC130-WG01
	Sample Type:	Normal
	Date:	04/04/24
Dimethyl Phthalate		0.77 U
Di-N-Butyl Phthalate		0.84 U
Di-N-Octylphthalate		0.75 U
Fluoranthene		0.84 U
Fluorene		0.91 U
Hexachlorobenzene		0.40 U
Hexachlorobutadiene		0.78 U
Hexachlorocyclopentadiene		3.6 U
Hexachloroethane		0.80 U
Indeno(1,2,3-C,D)Pyrene		0.94 U
Isophorone		0.80 U
Naphthalene		0.58 J
Nitrobenzene		0.57 U
N-Nitrosodi-N-Propylamine		0.43 U
N-Nitrosodiphenylamine		0.89 U
Pentachlorophenol		1.4 U
Phenanthrene		1.3 U
Phenol		0.29 U
Pyrene		1.6 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/L = Micrograms per liter

**Table C-118 GC131 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	GC131	
	Property ID:	GC131
	Location ID:	GC131-BA01 GC037-OA01
	Sample Type:	Normal Normal
	Sample Matrix:	Basement Air Outdoor Air
	Date:	4/4/2024 4/4/2024
VOCs by Method TO15 (µg/m3)		
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U
1,1,2-Trichloroethane	0.51 U	0.51 U
1,1-Dichloroethane	0.30 U	0.30 U
1,1-Dichloroethene	0.16 U	0.16 U
1,2,4-Trichlorobenzene	0.55 U	0.55 U
1,2,4-Trimethylbenzene	0.34 U	0.34 U
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U
1,2-Dichlorobenzene	0.69 U	0.69 U
1,2-Dichloroethane	0.33 U	0.33 U
1,2-Dichloropropane	0.43 U	0.43 U
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U
1,3,5-Trimethylbenzene (Mesitylene)	0.35 U	0.35 U
1,3-Butadiene	0.17 U	0.17 U
1,3-Dichlorobenzene	0.50 U	0.50 U
1,4-Dichlorobenzene	0.42 U	0.42 U
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U
2-Hexanone	0.22 U	0.22 U
4-Ethyltoluene	0.39 U	0.39 U
Acetone	33 J	13 J
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U
Benzene	0.73	0.73
Benzyl Chloride	0.39 U	0.39 U
Bromodichloromethane	0.60 U	0.60 U
Bromoform	1.8 U	1.8 U
Bromomethane	0.29 U	0.29 U
Carbon Disulfide	0.28 U	0.28 U
Carbon Tetrachloride	0.50	0.44
Chlorobenzene	0.41 U	0.41 U
Chloroethane	0.27 U	0.27 U
Chloroform	1.1	0.45 U
Chloromethane (Methyl Chloride)	1.5	1.0
Cis-1,2-Dichloroethylene	0.099 U	0.099 U
Cis-1,3-Dichloropropene	0.33 U	0.33 U
Cyclohexane	0.25 U	0.25 U

**Table C-118 GC131 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC131	
	Location ID:	GC131-BA01	GC037-OA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Basement Air	Outdoor Air
	Date:	4/4/2024	4/4/2024
Dibromochloromethane		0.90 U	0.90 U
Dichlorodifluoromethane		2.6	2.7
Ethylbenzene		0.56 J	0.25 U
Hexachlorobutadiene		1.1 U	1.1 U
Isopropanol		8.2 J	2.1
m,p-Xylene		1.8	0.61 J
Methyl Ethyl Ketone (2-Butanone)		1.2	0.65 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		0.27 U	0.27 U
Methylene Chloride		3.4	3.0
Naphthalene		0.40 U	0.58 J
N-Heptane		0.82	0.49 J
N-Hexane		0.42 J	0.49 J
O-Xylene (1,2-Dimethylbenzene)		1.3	0.43 U
Styrene		0.47 J	0.35 U
Tert-Butyl Methyl Ether		0.31 U	0.31 U
Tetrachloroethylene (PCE)		0.95 J	0.56 U
Tetrahydrofuran		0.20 U	0.20 U
Toluene		2.3	1.2
Trans-1,2-Dichloroethene		0.27 U	0.27 U
Trans-1,3-Dichloropropene		0.33 U	0.33 U
Trichloroethylene (TCE)		0.27	0.16
Trichlorofluoromethane		1.2	1.3
Vinyl Bromide		0.36 U	0.36 U
Vinyl Chloride		0.066 U	0.066 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-119 GC133 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	GC133	
	Property ID:	GC133
	Location ID:	GC133-BA01 GC037-OA01
	Sample Type:	Normal Normal
	Sample Matrix:	Basement Air Outdoor Air
	Date:	4/4/2024 4/4/2024
VOCs by Method TO15 (µg/m3)		
1,1,1-Trichloroethane (TCA)	0.58 U	0.58 U
1,1,2,2-Tetrachloroethane	0.71 U	0.71 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.68 U	0.68 U
1,1,2-Trichloroethane	0.51 U	0.51 U
1,1-Dichloroethane	0.30 U	0.30 U
1,1-Dichloroethene	0.16 U	0.16 U
1,2,4-Trichlorobenzene	0.55 U	0.55 U
1,2,4-Trimethylbenzene	0.34 U	0.34 U
1,2-Dibromoethane (Ethylene Dibromide)	0.50 U	0.50 U
1,2-Dichlorobenzene	0.69 U	0.69 U
1,2-Dichloroethane	0.33 U	0.33 U
1,2-Dichloropropane	0.43 U	0.43 U
1,2-Dichlorotetrafluoroethane	0.67 U	0.67 U
1,3,5-Trimethylbenzene (Mesitylene)	0.35 U	0.35 U
1,3-Butadiene	0.17 U	0.17 U
1,3-Dichlorobenzene	0.50 U	0.50 U
1,4-Dichlorobenzene	0.42 U	0.42 U
1,4-Dioxane (P-Dioxane)	0.26 U	0.26 U
2-Hexanone	0.22 U	0.22 U
4-Ethyltoluene	0.39 U	0.39 U
Acetone	32 J	13 J
Allyl Chloride (3-Chloropropene)	0.24 U	0.24 U
Benzene	0.80	0.73
Benzyl Chloride	0.39 U	0.39 U
Bromodichloromethane	0.60 U	0.60 U
Bromoform	1.8 U	1.8 U
Bromomethane	0.29 U	0.29 U
Carbon Disulfide	0.34 J	0.28 U
Carbon Tetrachloride	0.44	0.44
Chlorobenzene	0.41 U	0.41 U
Chloroethane	0.27 U	0.27 U
Chloroform	0.49 J	0.45 U
Chloromethane (Methyl Chloride)	0.17 U	1.0
Cis-1,2-Dichloroethylene	0.099 U	0.099 U
Cis-1,3-Dichloropropene	0.33 U	0.33 U
Cyclohexane	0.25 U	0.25 U

**Table C-119 GC133 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC133	
	Location ID:	GC133-BA01	GC037-OA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Basement Air	Outdoor Air
	Date:	4/4/2024	4/4/2024
Dibromochloromethane		0.90 U	0.90 U
Dichlorodifluoromethane		2.7	2.7
Ethylbenzene		0.25 U	0.25 U
Hexachlorobutadiene		1.1 U	1.1 U
Isopropanol		3.9	2.1
m,p-Xylene		1.1 J	0.61 J
Methyl Ethyl Ketone (2-Butanone)		1.2	0.65 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		0.27 U	0.27 U
Methylene Chloride		2.0	3.0
Naphthalene		0.40 U	0.58 J
N-Heptane		1.1	0.49 J
N-Hexane		0.63	0.49 J
O-Xylene (1,2-Dimethylbenzene)		1.7	0.43 U
Styrene		0.35 U	0.35 U
Tert-Butyl Methyl Ether		0.31 U	0.31 U
Tetrachloroethylene (PCE)		0.56 U	0.56 U
Tetrahydrofuran		0.94	0.20 U
Toluene		2.4	1.2
Trans-1,2-Dichloroethene		0.27 U	0.27 U
Trans-1,3-Dichloropropene		0.33 U	0.33 U
Trichloroethylene (TCE)		0.75	0.16
Trichlorofluoromethane		1.3	1.3
Vinyl Bromide		0.36 U	0.36 U
Vinyl Chloride		0.066 U	0.066 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-120 GC134 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC134	
	Location ID:	GC134-SA01	GC134-OA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Second Floor Air	Outdoor Air
	Date:	4/2/2024	4/2/2024
VOCs by Method TO15 (µg/m3)			
1,1,1-Trichloroethane (TCA)	0.24 U	0.24 U	
1,1,2,2-Tetrachloroethane	0.30 U	0.30 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.41 U	0.41 U	
1,1,2-Trichloroethane	0.40 U	0.40 U	
1,1-Dichloroethane	0.10 U	0.10 U	
1,1-Dichloroethene	0.10 U	0.10 U	
1,2,4-Trichlorobenzene	2.4 U	2.4 U	
1,2,4-Trimethylbenzene	0.74 J	0.39 U	
1,2-Dibromoethane (Ethylene Dibromide)	0.32 U	0.32 U	
1,2-Dichlorobenzene	0.40 U	0.40 U	
1,2-Dichloroethane	0.92	0.38 U	
1,2-Dichloropropane	0.43 U	0.43 U	
1,2-Dichlorotetrafluoroethane	0.34 U	0.34 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.23 U	0.23 U	
1,3-Butadiene	0.086 U	0.20 J	
1,3-Dichlorobenzene	0.44 U	0.44 U	
1,4-Dichlorobenzene	0.54 U	0.54 U	
1,4-Dioxane (P-Dioxane)	0.30 U	0.39 J	
2-Hexanone	0.61 U	0.92 J	
4-Ethyltoluene	0.24 U	0.24 U	
Acetone	35	20	
Allyl Chloride (3-Chloropropene)	0.38 U	0.38 U	
Benzene	0.59 J	0.57 J	
Benzyl Chloride	0.46 U	0.46 U	
Bromodichloromethane	0.34 U	0.34 U	
Bromoform	1.2 U	1.2 U	
Bromomethane	0.28 U	0.28 U	
Carbon Disulfide	0.40 U	11	
Carbon Tetrachloride	0.28	0.27	
Chlorobenzene	0.20 U	0.20 U	
Chloroethane	0.47 U	0.47 U	
Chloroform	0.94 J	0.20 U	
Chloromethane (Methyl Chloride)	1.2	1.1	
Cis-1,2-Dichloroethylene	0.083 U	0.083 U	
Cis-1,3-Dichloropropene	0.20 U	0.20 U	
Cyclohexane	0.20 U	0.20 U	

**Table C-120 GC134 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC134	
	Location ID:	GC134-SA01	GC134-OA01
	Sample Type:	Normal	Normal
	Sample Matrix:	Second Floor Air	Outdoor Air
	Date:	4/2/2024	4/2/2024
Dibromochloromethane		0.54 U	0.54 U
Dichlorodifluoromethane		1.8 J	1.6 J
Ethylbenzene		0.34 J	0.30 U
Hexachlorobutadiene		1.2 U	1.2 U
Isopropanol		43	3.9 U
m,p-Xylene		0.94 J	0.52 J
Methyl Ethyl Ketone (2-Butanone)		1.5	4.0
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		0.53 U	0.53 U
Methylene Chloride		0.63 U	0.63 U
Naphthalene		1.6 U	1.6 U
N-Heptane		0.28 J	0.23 U
N-Hexane		0.39 U	0.39 U
O-Xylene (1,2-Dimethylbenzene)		0.38 J	0.27 U
Styrene		0.25 U	0.25 U
Tert-Butyl Methyl Ether		0.13 U	0.13 U
Tetrachloroethylene (PCE)		0.26 J	0.14 U
Tetrahydrofuran		3.8 U	3.8 U
Toluene		2.7	0.88
Trans-1,2-Dichloroethene		0.091 U	0.091 U
Trans-1,3-Dichloropropene		0.25 U	0.25 U
Trichloroethylene (TCE)		0.13 U	0.13 U
Trichlorofluoromethane		2.9	0.85 J
Vinyl Bromide		0.22 U	0.22 U
Vinyl Chloride		0.054 U	0.054 U

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-121 GC135 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC135					
	Location ID:	GC135-SV01	GC135-BA01	GC135-SV02	GC135-BA02	GC135-FA01	GC135-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	4/11/2024	4/11/2024	4/11/2024	4/11/2024	4/11/2024	4/11/2024
VOCs by Method TO15 (µg/m3)							
1,1,1-Trichloroethane (TCA)	8.32 U	0.445 U	0.799 U	0.359 U	0.452 U	0.363 U	
1,1,2,2-Tetrachloroethane	5.98 U	0.32 U	0.574 U	0.258 U	0.325 U	0.261 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	13.4 U	0.714 U	1.28 U	0.576 U	0.725 U	0.582 U	
1,1,2-Trichloroethane	4.26 U	0.228 U	0.409 U	0.184 U	0.231 U	0.186 U	
1,1-Dichloroethane	6.1 U	0.326 U	0.586 U	0.263 U	0.331 U	0.266 U	
1,1-Dichloroethene	1.8 U	0.0962 U	0.173 U	0.0776 U	0.0977 U	0.0784 U	
1,2,4-Trichlorobenzene	10.6 UJ	0.569 UJ	1.02 UJ	0.459 UJ	0.578 UJ	0.464 UJ	
1,2,4-Trimethylbenzene	5.36 U	0.716	0.942	0.654	0.824	0.389	
1,2-Dibromoethane (Ethylene Dibromide)	5.58 U	0.298 U	0.536 U	0.241 U	0.303 U	0.243 U	
1,2-Dichlorobenzene	7.10 U	0.379 U	0.681 UJ	0.306 U	0.385 U	0.309 U	
1,2-Dichloroethane	4.56 U	0.244 U	0.437 U	0.196 U	0.247 U	0.198 U	
1,2-Dichloropropane	4.28 U	0.229 U	0.411 U	0.185 U	0.232 U	0.186 U	
1,2-Dichlorotetrafluoroethane	12.4 U	0.665 U	1.19 U	0.536 U	0.675 U	0.542 U	
1,3,5-Trimethylbenzene (Mesitylene)	4.82 U	0.258 U	0.463 U	0.208 U	0.262 U	0.21 U	
1,3-Butadiene	1.53 UJ	0.0816 UJ	0.147 UJ	0.0658 UJ	0.0829 UJ	0.0665 UJ	
1,3-Dichlorobenzene	7.32 U	0.391 U	0.702 U	0.315 U	0.397 U	0.319 U	
1,4-Dichlorobenzene	6.55 U	0.350 U	0.629 U	0.282 U	0.356 U	0.285 U	
1,4-Dioxane (P-Dioxane)	5.43 U	0.290 U	0.521 U	0.234 U	0.295 U	0.237 U	
2-Hexanone	3.05 U	0.756 J	0.293 U	0.132 U	0.166 U	0.875	
4-Ethyltoluene	6.79 U	0.525	1.03	0.616	0.679	0.311 J	
Acetone	533	10.3	18.1	11.0	227	14.1	
Allyl Chloride (3-Chloropropene)	4.32 U	0.231 U	0.415 U	0.186 U	0.235 U	0.188 U	
Benzene	5.74 U	0.620	0.668	0.700	1.32	0.758	
Benzyl Chloride	5.08 U	0.271 U	0.487 U	0.219 U	0.276 U	0.221 U	
Bromodichloromethane	4.14 U	0.221 U	0.397 U	0.178 U	0.462 J	0.18 U	
Bromoform	9.20 U	0.492 U	0.883 UJ	0.397 U	0.499 U	0.401 U	
Bromomethane	6.91 U	0.370 U	0.663 UJ	0.298 U	0.375 U	0.301 U	
Carbon Disulfide	6.22	0.284 U	4.99	0.229 U	0.289 U	0.232 U	
Carbon Tetrachloride	2.86 U	0.367	0.274 U	0.394	0.372	0.398	
Chlorobenzene	4.68 U	0.25 U	0.449 U	0.202 U	0.254 U	0.204 U	
Chloroethane	3.07 U	0.164 U	0.294 U	0.132 U	0.166 U	0.134 U	
Chloroform	8.16 U	0.522	0.783 U	0.459	7.41	0.355 U	
Chloromethane (Methyl Chloride)	1.84 UJ	1.62 J	4.18 J	2.20 J	2.40 J	2.21 J	
Cis-1,2-Dichloroethylene	1.8 U	0.0962 U	0.173 U	0.0776 U	0.0977 U	0.0784 U	
Cis-1,3-Dichloropropene	3.38 U	0.181 U	0.324 U	0.146 U	0.183 U	0.147 U	
Cyclohexane	5.38 U	0.287 U	0.516 U	0.485	0.577	0.234 U	
Dibromochloromethane	7.58 U	0.405 U	0.728 U	0.327 U	0.412 U	0.330 U	
Dichlorodifluoromethane	8.08 U	2.16	2.33	2.09	2.10	2.31	
Ethylbenzene	5.52 J	0.632	4.31	0.816	0.813	0.447	
Hexachlorobutadiene	16.5 U	0.88 U	1.58 UJ	0.71 U	0.894 U	0.717 U	
Isopropanol	17.0	4.70	1.37	7.22	53.8	7.87	
m,p-Xylene	16.6	1.56	12.7	1.67	1.88	0.790	
Methyl Ethyl Ketone (2-Butanone)	6.96	1.23	2.21	0.970	2.53	2.47	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	6.32 U	0.338 U	1.07	0.273 U	0.343 U	0.275 U	
Methylene Chloride	4.42 U	0.472 J	1.15 J	0.517 J	0.582 J	0.467 J	
Naphthalene	9.23 UJ	0.509 J	0.886 UJ	0.657 J	0.569 J	0.539 J	
N-Heptane	3.20 U	2.15	0.500 J	1.83	2.34	0.584	
N-Hexane	5.12 U	0.274 U	0.491 U	0.331	0.382	0.223 U	
O-Xylene (1,2-Dimethylbenzene)	3.94 J	0.632	3.10	0.646	0.771	0.309 J	
Styrene	4.56 U	0.248 J	0.438 U	0.200 J	0.546	0.199 U	
Tert-Butyl Methyl Ether	6.35 U	0.340 U	0.610 U	0.274 U	0.345 U	0.277 U	
Tetrachloroethylene (PCE)	6.04 U	0.323 U	3.90	1.01	0.602 J	0.263 U	
Tetrahydrofuran	2.84 U	0.152 U	0.668 J	0.554	0.611	0.257 J	
Toluene	6.84	1.13	6.96	1.45	2.71	1.22	
Trans-1,2-Dichloroethene	5.69 U	0.304 U	0.546 U	0.245 U	0.309 U	0.248 U	
Trans-1,3-Dichloropropene	7.58 U	0.405 U	0.728 U	0.327 U	0.412 U	0.330 U	
Trichloroethylene (TCE)	2.44 U	0.13 U	0.234 U	0.105 U	0.132 U	0.106 U	

**Table C-121 GC135 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property ID:	GC135					
	Location ID:	GC135-SV01	GC135-BA01	GC135-SV02	GC135-BA02	GC135-FA01	GC135-OA01
	Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal
	Sample Matrix:	Sub-slab Vapor	Basement Air	Sub-slab Vapor	Basement Air	First Floor Air	Outdoor Air
	Date:	4/11/2024	4/11/2024	4/11/2024	4/11/2024	4/11/2024	4/11/2024
Trichlorofluoromethane	7.75 U	1.15	1.18	1.14	1.16	1.16	
Vinyl Bromide	7.63 U	0.408 U	0.732 U	0.329 U	0.414 U	0.332 U	
Vinyl Chloride	2.04 UJ	0.109 UJ	0.196 UJ	0.0881 UJ	0.111 UJ	0.089 UJ	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-122 GC137 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property Address:	GC137			
	Location ID:	GC137-SV01	GC137-SV01	GC137-BA01	GC137-BA01
	Sample Type:	Normal	Duplicate	Normal	Duplicate
	Sample Matrix:	Sub-slab Vapor	Sub-slab Vapor	Basement Air	Basement Air
	Date:	5/17/2024	5/17/2024	5/17/2024	5/17/2024
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	1.84 U	0.688 U	0.472 U	0.428 UJ	
1,1,2,2-Tetrachloroethane	1.33 U	0.495 U	0.339 U	0.308 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	2.96 U	1.11 U	0.758 U	0.687 U	
1,1,2-Trichloroethane	0.944 U	0.352 U	0.242 U	0.219 U	
1,1-Dichloroethane	1.35 U	0.505 U	0.346 U	0.314 U	
1,1-Dichloroethene	0.399 U	0.149 U	0.102 U	0.0926 U	
1,2,4-Trichlorobenzene	2.36 UJ	0.881 UJ	0.604 UJ	0.548 UJ	
1,2,4-Trimethylbenzene	1.19 J	1.40	0.861	1.38	
1,2-Dibromoethane (Ethylene Dibromide)	1.24 U	0.462 U	0.317 U	0.287 U	
1,2-Dichlorobenzene	1.57 U	0.587 U	0.403 U	0.365 U	
1,2-Dichloroethane	1.01 U	0.377 U	0.258 U	0.234 U	
1,2-Dichloropropane	0.948 U	0.354 U	0.243 U	0.220 U	
1,2-Dichlorotetrafluoroethane	2.76 U	1.03 U	0.706 UJ	0.640 U	
1,3,5-Trimethylbenzene (Mesitylene)	1.07 U	0.812	0.273 U	0.367 J	
1,3-Butadiene	0.338 U	0.126 U	0.0866 UJ	0.0785 U	
1,3-Dichlorobenzene	1.62 U	0.605 U	0.415 U	0.376 U	
1,4-Dichlorobenzene	1.45 U	0.542 U	0.372 U	0.337 U	
1,4-Dioxane (P-Dioxane)	1.20 U	0.449 U	0.308 U	0.279 U	
2-Hexanone	0.676 U	0.800 J	1.14 J	2.95 J	
4-Ethyltoluene	1.50 U	0.886	0.557	0.781	
Acetone	293 J	61.2 J	138	216	
Allyl Chloride (3-Chloropropene)	0.957 U	0.357 U	0.245 U	0.222 U	
Benzene	3.34 J	0.672 J	0.592	0.388	
Benzyl Chloride	1.12 U	0.420 U	0.288 U	0.261 UJ	
Bromodichloromethane	0.917 U	0.342 U	0.235 U	0.213 U	
Bromoform	2.04 U	0.761 U	0.522 U	0.473 U	
Bromomethane	1.53 UJ	0.572 UJ	0.392 U	0.355 UJ	
Carbon Disulfide	10.0	9.54	0.302 U	0.273 U	
Carbon Tetrachloride	0.633 U	0.236 U	0.389	0.235 J	
Chlorobenzene	1.04 U	0.387 U	0.266 U	0.241 U	
Chloroethane	0.679 UJ	0.254 UJ	0.174 U	0.158 U	
Chloroform	72.1	68.5	0.855	0.502	
Chloromethane (Methyl Chloride)	4.82 J	0.152 UJ	2.59 J	0.829 J	
Cis-1,2-Dichloroethylene	0.399 U	0.149 U	0.102 U	0.0926 U	
Cis-1,3-Dichloropropene	0.749 U	0.279 U	0.192 U	0.174 U	
Cyclohexane	1.19 U	0.620	0.305 U	0.276 U	
Dibromochloromethane	1.68 U	0.627 U	0.430 U	0.390 U	
Dichlorodifluoromethane	2.59	2.75	2.19	1.43	
Ethylbenzene	1.40 J	1.17	1.30	1.34	
Hexachlorobutadiene	3.65 UJ	1.36 UJ	0.934 UJ	0.847 U	
Isopropanol	8.70	5.65	7.65	5.90	
m,p-Xylene	4.72	4.83	3.35	3.45	
Methyl Ethyl Ketone (2-Butanone)	9.61	8.15	5.16	8.87	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	1.40 U	1.35	0.422	0.536 J	
Methylene Chloride	1.54 J	1.62	0.680 J	0.552 J	
Naphthalene	2.05 U	0.764 U	0.702 J	0.734 J	
N-Heptane	0.709 U	0.265 U	0.675	0.727	
N-Hexane	1.13 U	0.424 U	0.436	0.362	

**Table C-122 GC137 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property Address:	GC137			
	Location ID:	GC137-SV01	GC137-SV01	GC137-BA01	GC137-BA01
	Sample Type:	Normal	Duplicate	Normal	Duplicate
	Sample Matrix:	Sub-slab Vapor	Sub-slab Vapor	Basement Air	Basement Air
	Date:	5/17/2024	5/17/2024	5/17/2024	5/17/2024
O-Xylene (1,2-Dimethylbenzene)	1.40 J	1.43	1.21	1.30	
Styrene	1.01 U	0.384 J	0.307 J	0.358 J	
Tert-Butyl Methyl Ether	1.41 U	0.525 U	0.360 U	0.327 U	
Tetrachloroethylene (PCE)	3.55	3.36	2.10	1.71	
Tetrahydrofuran	0.629 U	0.235 U	0.243 J	0.146 U	
Toluene	7.89	6.79	2.37	3.03	
Trans-1,2-Dichloroethene	1.26 U	0.470 U	0.323 U	0.293 U	
Trans-1,3-Dichloropropene	1.68 U	0.627 U	0.430 U	0.390 U	
Trichloroethylene (TCE)	1.73	1.53	0.138 U	0.125 U	
Trichlorofluoromethane	1.72 U	1.18	1.16	0.630 J	
Vinyl Bromide	1.69 U	0.631 U	0.433 U	0.392 UJ	
Vinyl Chloride	0.453 UJ	0.169 UJ	0.116 UJ	0.105 UJ	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-122 GC137 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	GC137				
	Property Address:	GC137-SV02	GC137-SV02	GC137-BA02	GC137-BA02
	Location ID:				
	Sample Type:	Normal	Duplicate	Normal	Duplicate
	Sample Matrix:	Sub-slab Vapor	Sub-slab Vapor	Basement Air	Basement Air
Date:	5/17/2024	5/17/2024	5/17/2024	5/17/2024	
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	7.99 U	8.45 U	0.410 U	0.417 U	
1,1,2,2-Tetrachloroethane	5.75 U	6.07 U	0.295 U	0.300 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	12.8 U	13.6 U	0.658 U	0.669 U	
1,1,2-Trichloroethane	4.09 U	4.32 U	0.210 U	0.213 U	
1,1-Dichloroethane	5.86 U	6.19 U	0.301 U	0.305 U	
1,1-Dichloroethene	1.73 U	1.83 U	0.0887 U	0.0901 U	
1,2,4-Trichlorobenzene	10.2 UJ	10.8 UJ	0.525 UJ	0.533 UJ	
1,2,4-Trimethylbenzene	419	467	2.95 J	0.894 J	
1,2-Dibromoethane (Ethylene Dibromide)	5.36 U	5.66 U	0.275 U	0.279 U	
1,2-Dichlorobenzene	6.82 U	7.20 U	0.350 U	0.355 U	
1,2-Dichloroethane	4.38 U	4.62 U	0.225 U	0.228 U	
1,2-Dichloropropane	4.11 U	4.34 U	0.211 U	0.214 U	
1,2-Dichlorotetrafluoroethane	11.9 UJ	12.6 U	0.613 U	0.623 U	
1,3,5-Trimethylbenzene (Mesitylene)	290	315	1.19 J	0.241 UJ	
1,3-Butadiene	1.47 UJ	1.55 U	0.0752 U	0.0764 U	
1,3-Dichlorobenzene	7.03 U	7.42 U	0.361 U	0.366 U	
1,4-Dichlorobenzene	6.29 U	6.65 U	0.323 U	0.328 U	
1,4-Dioxane (P-Dioxane)	5.22 U	5.51 U	0.268 U	0.272 U	
2-Hexanone	419	525 J	0.150 U	0.153 U	
4-Ethyltoluene	252	274	2.02 J	0.581 J	
Acetone	15800	15800	169 J	58.8 J	
Allyl Chloride (3-Chloropropene)	4.15 U	4.38 U	0.213 U	0.216 U	
Benzene	953	713	2.74 J	0.494 J	
Benzyl Chloride	4.88 U	5.15 UJ	0.250 U	0.254 U	
Bromodichloromethane	3.97 U	4.20 U	0.204 U	0.207 U	
Bromoform	8.83 U	9.33 U	0.453 U	0.460 U	
Bromomethane	6.64 U	7.01 U	0.341 UJ	0.346 UJ	
Carbon Disulfide	110	93.0	0.474	0.266 U	
Carbon Tetrachloride	2.74 U	2.90 U	0.394	0.400	
Chlorobenzene	4.50 U	4.75 U	0.231 U	0.234 U	
Chloroethane	111	97.7	0.151 UJ	0.153 UJ	
Chloroform	7.83 U	8.28 U	0.743	0.710	
Chloromethane (Methyl Chloride)	31.3 J	12.6 J	2.29 J	2.01 J	
Cis-1,2-Dichloroethylene	4.15	1.83 U	0.0887 U	0.0901 U	
Cis-1,3-Dichloropropene	3.25 U	3.43 U	0.167 U	0.169 U	
Cyclohexane	516	520	1.48 J	0.269 UJ	
Dibromochloromethane	7.28 U	7.69 U	0.374 U	0.379 U	
Dichlorodifluoromethane	7.76 U	8.20 U	2.30	2.38	
Ethylbenzene	506	550	8.04	4.34	
Hexachlorobutadiene	15.8 UJ	16.7 U	0.811 UJ	0.824 UJ	
Isopropanol	286	265	10.3	8.83	
m,p-Xylene	3710	3150	23.5 J	9.08 J	
Methyl Ethyl Ketone (2-Butanone)	4370	3990	16.9 J	4.83 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	454	615 J	1.21 J	0.317 UJ	
Methylene Chloride	4.24 U	4.48 U	0.715	0.853	
Naphthalene	8.87 U	9.37 UJ	1.08 J	0.477 J	
N-Heptane	1360	1280	4.11 J	0.782 J	
N-Hexane	1060	1010	3.25 J	0.384 J	

**Table C-122 GC137 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property Address:		GC137		
	Location ID:	GC137-SV02	GC137-SV02	GC137-BA02	GC137-BA02
	Sample Type:	Normal	Duplicate	Normal	Duplicate
	Sample Matrix:	Sub-slab Vapor	Sub-slab Vapor	Basement Air	Basement Air
	Date:	5/17/2024	5/17/2024	5/17/2024	5/17/2024
O-Xylene (1,2-Dimethylbenzene)	2100	1820	9.17 J	2.80 J	
Styrene	89.1	76.2	0.572	0.271 J	
Tert-Butyl Methyl Ether	6.10 U	6.45 U	0.313 U	0.318 U	
Tetrachloroethylene (PCE)	15.4	13.7	1.52	1.79	
Tetrahydrofuran	2.73 U	2.88 U	0.140 U	0.142 U	
Toluene	5120	4760	18.5 J	4.35 J	
Trans-1,2-Dichloroethene	5.46 U	5.77 U	0.280 U	0.285 U	
Trans-1,3-Dichloropropene	7.28 U	7.70 U	0.374 U	0.380 U	
Trichloroethylene (TCE)	47.8	54.5	0.192	0.122 U	
Trichlorofluoromethane	10.8	7.87 U	1.21	1.23	
Vinyl Bromide	7.32 U	7.74 U	0.376 U	0.382 U	
Vinyl Chloride	8.92 J	2.83 J	0.101 UJ	0.102 UJ	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-122 GC137 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	GC137				
	Property Address:	GC137-BA03	GC137-BA04	GC137-BA04	GC137-FA01
	Location ID:	GC137-BA03	GC137-BA04	GC137-BA04	GC137-FA01
	Sample Type:	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Basement Air	Basement Air	Basement Air	First Floor Air
Date:	5/17/2024	5/17/2024	5/17/2024	5/17/2024	
VOCs by Method TO15 (µg/m3)					
1,1,1-Trichloroethane (TCA)	0.416 U	0.486 U	0.435 U	0.349 U	
1,1,2,2-Tetrachloroethane	0.299 U	0.349 U	0.313 U	0.251 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.668 U	0.780 U	0.698 U	0.561 U	
1,1,2-Trichloroethane	0.213 U	0.249 U	0.223 U	0.179 U	
1,1-Dichloroethane	0.305 U	0.356 U	0.319 U	0.256 U	
1,1-Dichloroethene	0.0900 U	0.105 U	0.0941 U	0.0755 U	
1,2,4-Trichlorobenzene	0.532 UJ	0.621 UJ	0.556 UJ	0.447 UJ	
1,2,4-Trimethylbenzene	1.56	0.729	0.560	0.337 J	
1,2-Dibromoethane (Ethylene Dibromide)	0.279 U	0.326 U	0.292 U	0.234 U	
1,2-Dichlorobenzene	0.355 U	0.414 U	0.371 U	0.298 U	
1,2-Dichloroethane	0.228 U	0.266 U	0.238 U	0.191 U	
1,2-Dichloropropane	0.214 U	0.250 U	0.224 U	0.180 U	
1,2-Dichlorotetrafluoroethane	0.622 U	0.726 U	0.650 U	0.522 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.312 J	0.281 U	0.252 U	0.202 U	
1,3-Butadiene	0.0763 U	0.0891 U	0.0798 U	0.0641 U	
1,3-Dichlorobenzene	0.366 U	0.427 U	0.382 U	0.307 U	
1,4-Dichlorobenzene	0.328 U	0.382 U	0.342 U	0.275 U	
1,4-Dioxane (P-Dioxane)	0.272 U	0.317 U	0.284 U	0.228 U	
2-Hexanone	0.153 U	1.52	0.159 U	0.128 U	
4-Ethyltoluene	1.16	0.469 J	0.420 J	0.300 J	
Acetone	243	275	163	17.7	
Allyl Chloride (3-Chloropropene)	0.216 U	0.252 U	0.226 U	0.181 U	
Benzene	0.551	0.677	0.546	0.633	
Benzyl Chloride	0.254 U	0.296 U	0.265 U	0.213 U	
Bromodichloromethane	0.207 U	0.241 U	0.216 U	0.174 U	
Bromoform	0.460 U	0.537 U	0.481 U	0.386 U	
Bromomethane	0.346 UJ	0.403 UJ	0.361 UJ	0.290 UJ	
Carbon Disulfide	0.266 U	0.363	0.278 U	0.223 U	
Carbon Tetrachloride	0.343	0.400	0.418	0.384	
Chlorobenzene	0.234 U	0.273 U	0.245 U	0.196 U	
Chloroethane	0.153 UJ	0.179 UJ	0.160 UJ	0.129 UJ	
Chloroform	0.754	0.673	0.695	0.372	
Chloromethane (Methyl Chloride)	1.91 J	1.84 J	2.02 J	2.05 J	
Cis-1,2-Dichloroethylene	0.0900 U	0.105 U	0.0941 U	0.0755 U	
Cis-1,3-Dichloropropene	0.169 U	0.197 U	0.177 U	0.142 U	
Cyclohexane	0.269 U	0.314 U	0.281 U	0.226 U	
Dibromochloromethane	0.379 U	0.442 U	0.396 U	0.318 U	
Dichlorodifluoromethane	2.33	2.25	2.39	2.37	
Ethylbenzene	1.34	1.15	1.15	0.397	
Hexachlorobutadiene	0.823 UJ	0.961 UJ	0.860 UJ	0.691 UJ	
Isopropanol	10.3	11.6	8.75	5.30	
m,p-Xylene	3.78	3.31	3.05	1.26	
Methyl Ethyl Ketone (2-Butanone)	3.80	7.85 J	2.88 J	1.19	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.930	0.391 J	0.330 U	0.265 U	
Methylene Chloride	1.17	0.921	0.560 J	0.953	
Naphthalene	1.38 J	0.556 J	0.483 U	0.387 U	
N-Heptane	0.633	1.04	0.467	0.406	
N-Hexane	0.512	0.635	0.368	0.430	

**Table C-122 GC137 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	GC137				
	Property Address:	GC137-BA03	GC137-BA04	GC137-BA04	GC137-FA01
	Location ID:	GC137-BA03	GC137-BA04	GC137-BA04	GC137-FA01
	Sample Type:	Normal	Normal	Duplicate	Normal
	Sample Matrix:	Basement Air	Basement Air	Basement Air	First Floor Air
Date:	5/17/2024	5/17/2024	5/17/2024	5/17/2024	
O-Xylene (1,2-Dimethylbenzene)	1.30	1.24	1.07	0.430	
Styrene	0.348 J	0.266 U	0.239 U	0.227 J	
Tert-Butyl Methyl Ether	0.318 U	0.371 U	0.332 U	0.266 U	
Tetrachloroethylene (PCE)	2.52	0.935	0.837	4.44	
Tetrahydrofuran	0.142 U	0.166 U	0.148 U	0.337 J	
Toluene	3.32	3.24	2.54	2.10	
Trans-1,2-Dichloroethene	0.284 U	0.332 U	0.297 U	0.239 U	
Trans-1,3-Dichloropropene	0.379 U	0.443 U	0.396 U	0.318 U	
Trichloroethylene (TCE)	0.122 U	0.142 U	0.127 U	0.102 U	
Trichlorofluoromethane	1.22	1.19	1.17	1.20	
Vinyl Bromide	0.381 U	0.445 U	0.399 U	0.320 U	
Vinyl Chloride	0.102 UJ	0.119 UJ	0.107 UJ	0.0857 UJ	

Key:

Qualifiers

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UJ = Not detected/estimated detection limit

Other

µg/m³ = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.

**Table C-122 GC137 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property Address:		GC137			
	Location ID:	GC137-FA02	GC137-FA02	GC137-FA03	GC137-FA04	GC137-FA05
	Sample Type:	Normal	Duplicate	Normal	Normal	Normal
	Sample Matrix:	First Floor Air	First Floor Air	First Floor Air	First Floor Air	First Floor Air
	Date:	5/17/2024	5/17/2024	5/17/2024	5/17/2024	5/17/2024
VOCs by Method TO15 (µg/m3)						
1,1,1-Trichloroethane (TCA)	0.442 U	0.432 U	0.335 U	0.461 U	0.493 U	
1,1,2,2-Tetrachloroethane	0.318 U	0.310 U	0.241 U	0.331 U	0.354 U	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.710 U	0.693 U	0.538 U	0.739 U	0.791 U	
1,1,2-Trichloroethane	0.226 U	0.221 U	0.172 U	0.236 U	0.252 U	
1,1-Dichloroethane	0.324 U	0.316 U	0.246 U	0.338 U	0.361 U	
1,1-Dichloroethene	0.0957 U	0.0934 U	0.0725 U	0.0996 U	0.107 U	
1,2,4-Trichlorobenzene	0.566 UJ	0.552 UJ	0.429 UJ	0.589 UJ	0.630 UJ	
1,2,4-Trimethylbenzene	0.379 J	0.324 J	0.359	0.346 J	1.27	
1,2-Dibromoethane (Ethylene Dibromide)	0.297 U	0.290 U	0.225 U	0.309 U	0.330 U	
1,2-Dichlorobenzene	0.377 U	0.368 U	0.286 U	0.393 U	0.420 U	
1,2-Dichloroethane	0.242 U	0.236 U	0.183 U	0.252 U	0.348 J	
1,2-Dichloropropane	0.227 U	0.222 U	0.172 U	0.237 U	0.253 U	
1,2-Dichlorotetrafluoroethane	0.661 U	0.645 U	0.501 U	0.689 U	0.736 U	
1,3,5-Trimethylbenzene (Mesitylene)	0.256 U	0.250 U	0.194 U	0.267 U	0.370 J	
1,3-Butadiene	0.0811 U	0.0792 U	0.0615 U	0.0845 U	0.0904 U	
1,3-Dichlorobenzene	0.389 U	0.379 U	0.294 U	0.405 U	0.433 U	
1,4-Dichlorobenzene	0.348 U	0.340 U	0.439	0.363 U	0.388 U	
1,4-Dioxane (P-Dioxane)	0.289 U	0.282 U	0.219 U	0.301 U	0.322 U	
2-Hexanone	0.162 U	0.158 U	0.389 J	0.576 J	0.181 U	
4-Ethyltoluene	0.361 U	0.352 U	0.287 J	0.375 U	0.951	
Acetone	177	354	293	174	180	
Allyl Chloride (3-Chloropropene)	0.230 U	0.224 U	0.174 U	0.239 U	0.256 U	
Benzene	0.493	0.873	0.677	0.546	0.549	
Benzyl Chloride	0.270 U	0.263 UJ	0.204 UJ	0.281 UJ	0.301 UJ	
Bromodichloromethane	0.220 U	0.215 U	0.167 U	0.229 U	0.245 U	
Bromoform	0.489 U	0.477 U	0.370 U	0.509 U	0.544 U	
Bromomethane	0.367 UJ	0.358 U	0.278 U	0.382 U	0.409 U	
Carbon Disulfide	0.282 U	0.276 U	0.214 U	0.294 U	0.315 U	
Carbon Tetrachloride	0.425	0.296	0.276	0.253	0.271	
Chlorobenzene	0.249 U	0.243 U	0.188 U	0.259 U	0.277 U	
Chloroethane	0.163 UJ	0.159 U	0.123 U	0.170 U	0.182 U	
Chloroform	0.613	0.506	0.328 U	0.451 U	0.483 U	
Chloromethane (Methyl Chloride)	2.21 J	1.58	1.65	1.20	1.24	
Cis-1,2-Dichloroethylene	0.0957 UJ	1.05 J	0.0725 U	0.0996 U	0.107 U	
Cis-1,3-Dichloropropene	0.180 U	0.175 U	0.136 U	0.187 U	0.200 U	
Cyclohexane	0.286 U	0.279 U	0.216 U	0.298 U	0.318 U	
Dibromochloromethane	0.403 U	0.393 U	0.305 U	0.419 U	0.449 U	
Dichlorodifluoromethane	2.29	1.72	1.55	1.59	1.54	
Ethylbenzene	0.377 J	0.450	0.444	0.480	0.700	
Hexachlorobutadiene	0.875 UJ	0.854 U	0.663 U	0.911 U	0.975 U	
Isopropanol	25.9	20.7	6.74	12.6	12.8	
m,p-Xylene	1.22	1.35	1.21	1.27	2.05	
Methyl Ethyl Ketone (2-Butanone)	1.51	3.03	1.79	2.05	3.08	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.336 U	0.328 U	0.299 J	0.350 U	0.374 U	
Methylene Chloride	0.603 J	0.556 J	0.508	0.768	0.635 J	
Naphthalene	0.658 J	0.479 UJ	0.536 J	0.511 UJ	0.547 UJ	
N-Heptane	0.277 J	0.463	0.449	0.453	0.485	
N-Hexane	0.306 J	0.332	0.309	0.319 J	0.341 J	

**Table C-122 GC137 Analytical Results Summary, Soil Vapor Intrusion Sampling
Gowanus Canal, Brooklyn, New York**

Analyte	Property Address:		GC137			
	Location ID:	GC137-FA02	GC137-FA02	GC137-FA03	GC137-FA04	GC137-FA05
	Sample Type:	Normal	Duplicate	Normal	Normal	Normal
	Sample Matrix:	First Floor Air	First Floor Air	First Floor Air	First Floor Air	First Floor Air
	Date:	5/17/2024	5/17/2024	5/17/2024	5/17/2024	5/17/2024
O-Xylene (1,2-Dimethylbenzene)	0.461	0.491	0.413	0.436	0.793	
Styrene	0.247 J	0.241 J	0.184 U	0.253 U	0.270 U	
Tert-Butyl Methyl Ether	0.337 U	0.329 U	0.256 U	0.351 U	0.376 U	
Tetrachloroethylene (PCE)	0.851	0.703	0.545	0.409 J	0.437 J	
Tetrahydrofuran	0.228 J	0.167 J	0.172 J	0.237 J	0.168 U	
Toluene	1.53	1.92	2.67	2.50	3.04	
Trans-1,2-Dichloroethene	0.302 U	0.295 U	0.229 U	0.315 U	0.337 U	
Trans-1,3-Dichloropropene	0.403 U	0.393 U	0.305 U	0.420 U	0.449 U	
Trichloroethylene (TCE)	0.130 U	0.127 U	0.0982 U	0.135 U	0.144 U	
Trichlorofluoromethane	1.19	0.794	0.698	0.734	0.725	
Vinyl Bromide	0.405 U	0.396 U	0.307 U	0.422 U	0.451 U	
Vinyl Chloride	0.109 UJ	0.106 U	0.0822 U	0.113 U	0.121 U	

Key:

Qualifiers

J = Estimated value

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Other

µg/m3 = Micrograms per cubic meter

-- = No available value

Bold numbers indicate that the chemical was detected.