PERIODIC REVIEW REPORT #4

(Reporting Period: 13 December 2023 to 13 December 2024)

for

702 NOSTRAND AVENUE
BROOKLYN, NEW YORK
NYSDEC BCP Site No.: C224270

Prepared For:

702 Nostrand Ave, LLC
MC Properties Management Company, LLC
11 Park Place, Suite 1200
New York, New York 10007

Prepared By:

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New York, New York 10001

20 January 2025
170527801

LANGAN

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IC/EC CERTIFICATION

I, Gerald F. Nicholls, am currently a registered professional engineer licensed by the State of New York. I had primary direct responsibility for implementation of the remedial program for the 702 Nostrand Avenue site (NYSDEC BCA Index No. C224270-03-18, Site No. C224270).

1. For each institutional or engineering control identified for the site, I certify that all of the following statements are true:
    a. the institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by DER;
    b. nothing has occurred that would impair the ability of such control to protect public health and the environment;
    c. nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control; and
    d. access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control.

New York State Professional Engineer No. 092433	01/22/2025 Date	Signature

It is a violation of Article 130 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 130, New York State Education Law.

1.0 INTRODUCTION

1.1 General

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) prepared this Periodic Review Report (PRR) for the property located at 702 Nostrand Avenue in Brooklyn, New York (the site). Langan prepared this PRR on behalf of 702 Nostrand Ave, LLC and MC Properties Management Company, LLC (collectively, the Volunteer) and in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP), dated 11 June 2020.

The 13 August 2020 Certificate of Completion (COC) and 11 June 2020 SMP require a periodic review of all institutional controls (IC) and engineering controls (EC) for fulfillment of the remedial action at the site. This PRR summarizes inspection conditions, monitoring results, compliance, and certifies that the site maintains a Track 4 remediation achieved under the Brownfield Cleanup Program ([BCP] Site No. C224270).

This PRR covers the reporting period from 13 December 2023 to 13 December 2024. The Volunteer continued operation of the soil vapor extraction (SVE) system, which began operation on 28 June 2019. Langan and the Volunteer certify the SVE system operation and the composite cover system for the reporting period.

1.2 Site Background and Remedial Summary

Langan prepared this PRR, on behalf of the Volunteer, for the site located at 702 Nostrand Avenue in the Crown Heights neighborhood of Brooklyn, New York. The Volunteer entered a Brownfield Cleanup Agreement (BCA) with the NYSDEC on 9 May 2018 to investigate and remediate the site. The site was remediated to restricted residential use with a Track 4 cleanup and will continue to be used for mixed-use commercial and residential.

The site is located in Kings County and is identified as Block 1226 and Lot 45 on the Brooklyn Borough Tax Map. The site is about 1,650 square feet in area with about 16.5 feet of frontage along Nostrand Avenue. The site is currently improved with an about 75-foot-long by 16.5-foot-wide, two-story, mixed-use commercial and residential building with a full cellar level, and an about 25-foot-long by 16.5-foot-wide concrete-paved rear yard at sidewalk grade. The cellar grade is about 9 feet below sidewalk grade (bsg). The ground and second floors of the building are occupied by a medical office and a residential tenant, respectively; the cellar is not occupied and is used for storage. The site is bounded by a two-story mixed-use commercial and residential building to the north, two one-story commercial buildings to the east, a two-story

mixed-use commercial and residential building to the south, and a four-story residential building and two-story residential building to the west. A site location map is included as Figure 1. The boundaries of the site are described in the environmental easement (EE), included as Appendix A.

The site was historically occupied by a dry cleaning facility from at least 1960 to as late as 2005. This historical use resulted in chlorinated solvent impacts detected in soil, potentially perched groundwater, and sub-slab vapor. To address chlorinated solvent impacts, the following remedial actions were implemented by Langan, on behalf of the Volunteer:

- Development and implementation of a Health and Safety Plan (HASP) and a Community Air Monitoring Plan (CAMP) for the protection of on-site remediation workers and community/residents during remediation activities;
- Implementation of green remediation principles and techniques to the extent feasible during design, remediation, and site management in accordance with NYSDEC Division of Environmental Remediation (DER)-31[1];
- Inspection and repair of the existing site cover comprised of concrete slabs;
- Installation of a 4-inch-thick concrete cap above exposed soil in the above-grade vegetated planter in the rear yard;
- Installation and operation of a SVE system under the SMP to address volatile organic compound (VOC) concentrations in soil vapor and mitigate soil vapor intrusion into the building; and
- Establishment of an IC in the form of an EE that will require compliance with the SMP.

Langan and their subcontractors completed installation of the SVE system in June 2019 in accordance with the NYSDEC-approved 16 April 2019 Remedial Action Work Plan (RAWP), which is documented in the 17 July 2020 Final Engineering Report (FER). The NYSDEC issued FER approval and the COC on 13 August 2020.

1.3 Effectiveness of the Remedial Program

The remedial program was designed to eliminate and mitigate environmental and potential human health exposure to adverse environmental conditions present in soil, groundwater, and soil vapor underlying the site. The IC/ECs for the reporting period continue to meet the remedial objectives for the site.

[1] NYSDEC Division of Environmental Remediation Green Remediation (DER-31), August 2010

1.4 Compliance

The IC/ECs have remained in place at the site for the reporting period and remain effective. The SVE system remained operational during the reporting period.

As of the end of the reporting period, the SVE system operated for a total of 47,333 hours since startup with an uptime percentage of 99.6%.

Site inspection forms are included as Appendix B and a photograph log is included as Appendix C.

1.5 Recommendations

Langan recommends continued operation and maintenance of the SVE system for vapor mitigation.

2.0 IC/EC PLAN COMPLIANCE REPORT

2.1 Institutional Controls

The IC for the site is an EE that is used to (1) implement, maintain and monitor the ECs; (2) prevent future exposure to remaining contamination by controlling disturbances of subsurface contamination; and, (3) limit the use and development of the site to restricted-residential, commercial and industrial uses only, through enforcement of the SMP. There have been no changes or actions since the COC that require modification to the environmental easement.

2.2 Engineering Controls

The ECs for the site, that are required to protect human health and the environment, include: (1) a composite cover system and (2) an SVE system.

2.2.1 Composite Cover System

The composite cover system is comprised of the existing concrete cellar slab, the rear-yard concrete pavement, and the rear-yard planter concrete cap. The existing cellar slab was repaired in-kind following SVE installation with 2-inch-thick concrete with a minimum compressive strength of 3,000 pounds per square inch (PSI). Cracks in the existing slab and cold joints between the existing slab and the repaired slab were sealed with Sikaflex® Self Leveling Sealant, a polyurethane-based sealant. Existing slab repair activities were completed on 18, 21, and 27 November 2018. A 4-inch-thick concrete cap was poured on top of the exposed soil bed in the rear-yard planter on 16 April 2019. A permanent metal grate was installed around a tree in the planter on 11 September 2019. The composite cover system prevents exposure to remaining contamination and is shown on Figure 2.

2.2.2 SVE System

To address VOC concentrations in soil vapor and mitigate soil vapor intrusion into the building, an SVE system was installed beneath the building footprint and has been operational since 28 June 2019. The SVE system conveys a vacuum field and collects soil vapor from beneath the cellar slab, utilizing a network of six SVE wells, four soil vapor monitoring points, a subsurface horizontal pipe network, and process equipment associated with the SVE systems (vacuum blower, control panel, remote alarm system, etc.). The blower effluent piping terminates above grade at roof level. The SVE system layout and vacuum monitoring point locations are shown on Figure 3.

2.3 Institutional and Engineering Controls Certificate

This PRR covers the reporting period from 13 December 2023 through 13 December 2024. SMP operations, including periodic inspections and sampling, were completed in accordance with the requirements of the BCP, as certified by a Professional Engineer in the EC/IC Certificate Form. The completed and signed EC/IC Certificate Form is provided as Appendix D.

2.4 Goal Status and Corrective Measures

There were no EC/IC deviations or corrective measures during the reporting period. The SVE system remained operational during the reporting period. As of the end of the reporting period, the SVE system operated for a total of 47,333 hours since startup with an uptime percentage of 99.6%.

3.0 MONITORING AND SAMPLING PLAN COMPLIANCE REPORT

3.1 Monitoring and Sampling Plan Components

The components of the monitoring plan during this reporting period, in compliance with the SMP, are as follows:

- Annual SVE system and site-wide composite cover inspection, and soil vapor and effluent air sample collection (12 December 2024).

3.2 Composite Cover System Monitoring

On 12 December 2024, Langan conducted the annual site-wide inspection of the composite cover system per the requirements of the SMP and documented the integrity of the cellar and rear-yard composite cover.

Site management forms were completed to assess the following:

- Compliance with all ICs, including site usage;
- An evaluation of the condition and continued effectiveness of ECs;
- General site conditions at the time of the inspection;
- The site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection; and
- Document that site records are up to date.

The inspections determined and documented the following:

- Whether ECs continue to perform as designed;
- If these controls continue to be protective of human health and the environment;
- Compliance with requirements of this SMP and the EE;
- Achievement of remedial performance criteria; and
- If site records are complete and up to date.

The composite cover system was in compliance with the SMP and EE during this reporting period. Completed site inspection forms are included as Appendix B. A photograph log showing site conditions during periodic inspections is included as Appendix C.

3.3 SVE System Monitoring and Soil Vapor Sampling

3.3.1 Monitoring

On 12 December 2024, monitoring of the SVE system was performed per the requirements of the SMP to evaluate the system's operating parameters and included:

- Smoke testing to document seal integrity at each of the monitoring points;
- Measurement of:
    - SVE well airflow rates and effluent airflow rate through sample ports with a Velocicalc meter;
    - Differential pressure readings at each of the monitoring points with a Velocicalc meter; and
    - VOCs with a photoionization detector (PID) at each of the monitoring points, SVE wells, and ambient air.
- Testing of the system alarm.
- Inspection of blower filter.

Differential pressure readings, in inches of water column (IWC), were recorded at each of the monitoring points during annual inspection, and are presented in the table below.

Date	Differential Pressure Readings (IWC)			
	MP-01	MP-02	MP-03	MP-04
12/12/2024	-4.63	-0.323	-0.093	-0.025

The recorded differential pressure readings document that a vacuum is being applied across the cellar slab. As documented in the inspection forms are included in Appendix B, flow rates and differential pressure gauge readings are consistent with the system design.

The SVE system remained operational during the reporting period.

As of the end of the reporting period, the SVE system operated for a total of 47,333 hours since startup with an uptime percentage of 99.6%.

Site inspection forms are provided in Appendix B.

3.3.2 Effluent Air and Soil Vapor Sampling

As required by the SMP, SVE system effluent air samples and post-remediation soil vapor samples were collected during this reporting period. On 12 December 2024, Langan collected an SVE system effluent air sample, upstream of the blower, to assess system performance and document compliance with Division of Environmental Remediation (DER) and the Division of Air Resources (DAR) Guidance on Air Emissions of VOCs at DER Remediation Sites. The effluent air sample was collected over a period of 15 minutes into laboratory-supplied 6-liter Summa canisters and analyzed for VOCs via United States Environmental Protection Agency (USEPA) Method TO-15 by Pace Analytical Services (Pace), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory in Mansfield, Massachusetts.

On 12 December 2024, Langan also collected four soil vapor samples, one from each of the monitoring points (MP-01 through MP-04), with the SVE system shut down to assess system performance. The soil vapor samples were collected over a period of two hours. The samples were collected into laboratory-supplied 6-liter Summa canisters and analyzed for VOCs via USEPA Method TO-15 by Pace.

Effluent air and soil vapor sample analytical results are discussed in Section 3.4, and sampling logs are included in Appendix E.

Data Validation

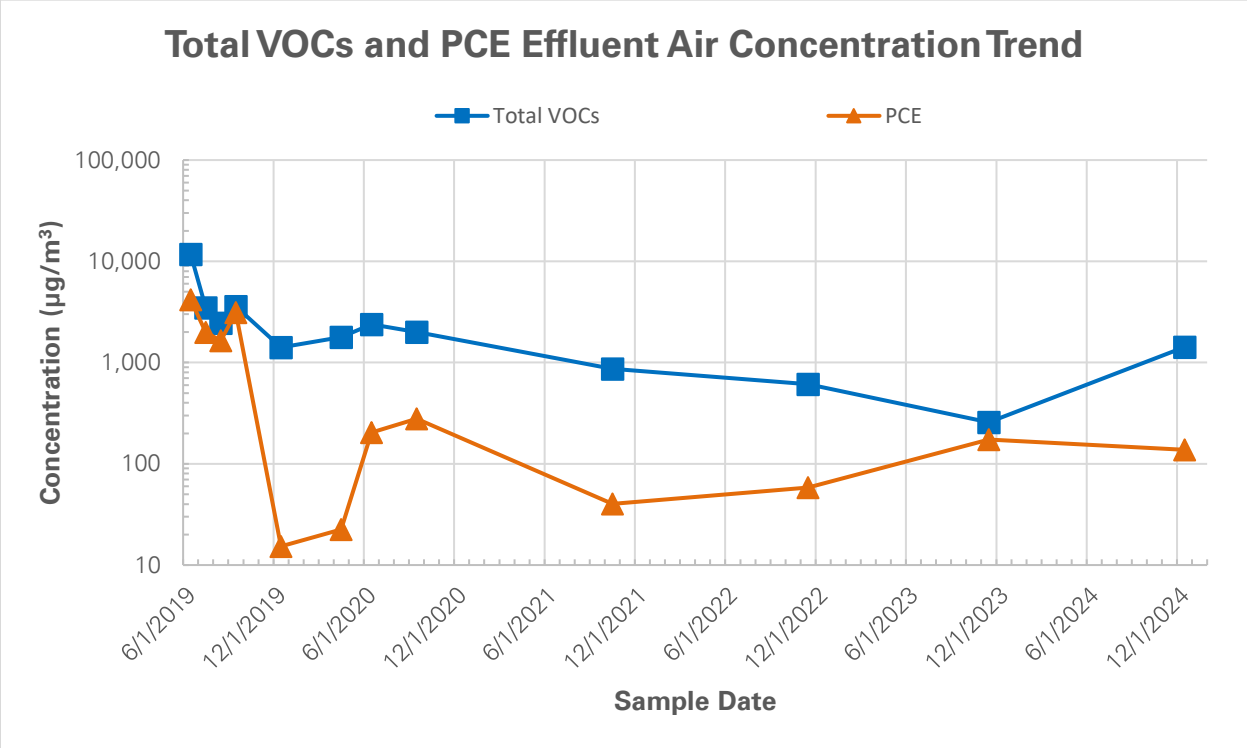
Soil vapor sample analytical results from the 12 December 2024 inspection were validated by a Langan validator in accordance with USEPA and NYSDEC validation protocols. Validated data was submitted electronically to the NYSDEC EQuIS database on 7 January 2025 and forwarded to the NYSDEC Project Manager in accordance with the requirements of the SMP. The data usability summary report (DUSR) is included in Appendix F.

The DUSR presents the results of data validation, including a summary assessment of laboratory data packages, sample preservation and chain-of-custody procedures, and a summary assessment of precision, accuracy, representativeness, comparability, and completeness for each analytical method. No deficiencies impacting data quality were identified for this data set, and data was judged to be 100% valid, as qualified. After data validation was complete, validated data were used to prepare the table included in this report.

3.4 Comparisons with Remedial Objectives

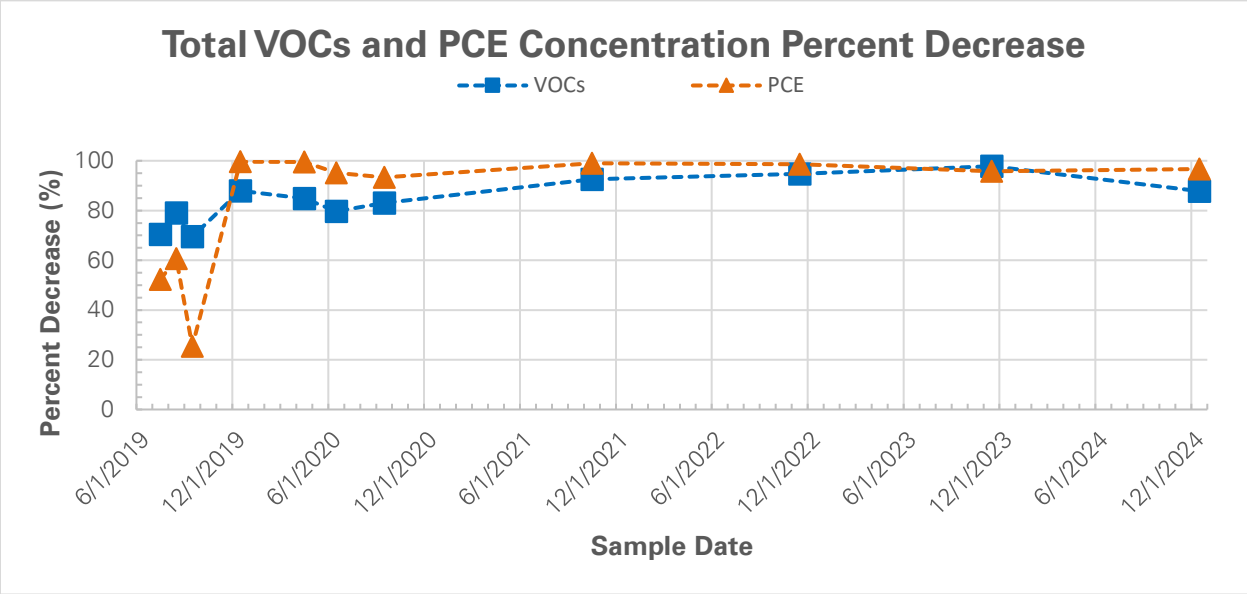
3.4.1 Effluent Air

Analytical results document a reduction in effluent air concentrations for total VOCs, and tetrachloroethene (PCE) compared to baseline. Total VOC concentrations decreased from 11,748 micrograms per cubic meter (µg/m³) in June 2019 to 1,426 µg/m³ in December 2024. PCE concentrations decreased from 4,170 µg/m³ in June 2019 to 138 µg/m³ in December 2024. Total VOC and PCE effluent air concentrations are plotted on the following graph:



PCE concentrations in the SVE effluent air samples collected during the 2021, 2022, 2023, and 2024 inspections are 99.0%, 98.6%, 95.8%, and 96.7% less than the baseline sample, respectively. This marginal increase in PCE concentrations relative to post-remediation concentrations is potentially attributed to an increase in the radius of influence.

Total VOC and PCE effluent air concentrations detected in December 2024 decreased by 87.9% and 96.7%, respectively, when compared to the June 2019 baseline event. Percent decreases of total VOC and PCE effluent air concentrations are plotted on the following graph:



Effluent air sample results were compared to the hourly and annual emission limits listed in the New York Codes, Rules and Regulations Title 6 DER Guidance on Air Emission of VOCs Part 212-2.2 Table 2, and are summarized in Table 1. Detected concentrations did not exceed the emission limits, therefore, in accordance with the approved 11 June 2020 Site Management Plan, approved 17 July 2020 Final Engineering Report, and Certificate of Completion provided by NYSDEC on 13 August 2020, effluent air treatment is not required. The analytical laboratory report for effluent air sample collected during the December 2024 inspection is included in Appendix G.

3.4.2 Soil Vapor

PCE concentrations detected during the December 2024 sampling event are compared to the December 2019 baseline sampling event, and the October 2021, November 2022 and November 2023 sampling events in the following table:

	PCE Concentration (µg/m3)				
Monitoring Point ID	**12/2019**	**10/2021**	**11/2022**	**11/2023**	**12/2024**
MP-01	10.1	2.77	7.26	60.7	21
MP-02	34.7	4.83	88.8	201	114
MP-03	20.9	2.85	7.05	50.6	15.8
MP-04	Not Detected	6.58	5.85	38.3	20.9

Soil vapor analytical results for the December 2019, October 2021, November 2022, November 2023, and December 2024 sample events are presented in Table 2. PCE concentrations detected in the December 2024 samples range from about 69% to 43% less than concentrations of PCE detected in samples collected in November 2023. The analytical laboratory report for soil vapor samples collected during the December 2024 inspection is included in Appendix G.

3.4.3 Monitoring Deficiencies

There were no monitoring deficiencies during this reporting period.

4.0 OPERATION, MAINTENANCE, AND MONITORING PLAN COMPLIANCE REPORT

4.1 SVE and Composite Cover System Inspections

Langan conducted an annual inspection of the SVE and composite cover systems on 12 December 2024 to document the system was functioning within design parameters as specified in the SMP. Langan documented that:

- The SVE system, remote alarm system, and control panel were operational;
- The integrity of the composite cover, including the cellar slab, rear-yard slab, and rear-yard planter concrete cap, and monitoring points was documented via smoke testing and visual observation;
- The OM&M plan was present; and
- The blower filter was observed to be in good condition.

4.2 OM&M Deficiencies

The composite cover system and active SVE system appeared to be in good condition and operating as intended. There were no OM&M deviations during the reporting period. The SVE system remained operational during the reporting period.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Each component of the SMP, including the IC/ECs, monitoring and sampling plan, and OM&M plan, was in compliance for the 13 December 2023 to 13 December 2024 reporting period.

Langan recommends continued operation and maintenance of the SVE system for vapor mitigation.

5.1 Future Submittals

The following will be continued on an annual frequency, in accordance with the SMP:

- Inspection/monitoring of the composite cover system;
- Inspection/monitoring of the SVE system;
- Collection of an SVE effluent air sample and soil vapor samples from monitoring points MP-01 through MP-04; and
- Preparation and submission of PRR to the NYSDEC.

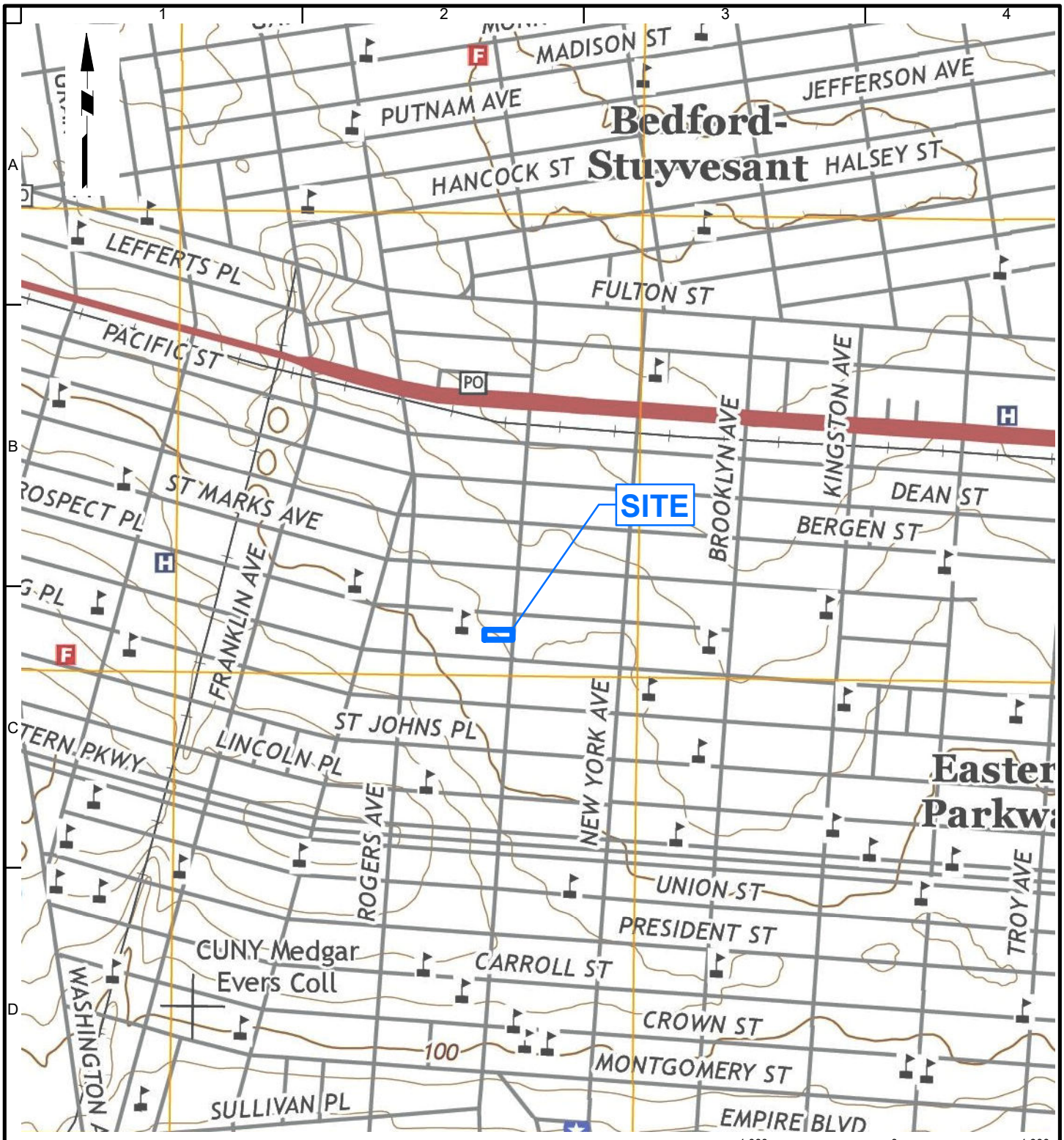
Based on future analytical results and system performance, Langan may request reduction in inspection frequency with NYSDEC and NYSDOH approval.

6.0 CERTIFICATION OF IC/ECS

6.1 IC/EC Certification Form

The completed IC/EC Certification Form is presented in Appendix D.

FIGURES



LEGEND:

APPROXIMATE SITE BOUNDARY

NOTES:

1. BASE MAP ADAPTED FROM THE 2016 UNITED STATES GEOLOGICAL SURVEY (USGS) 7.5-MINUTE SERIES TOPORGRAPHIC MAPS, BROOKLYN QUADRANGLE, NEW YORK.

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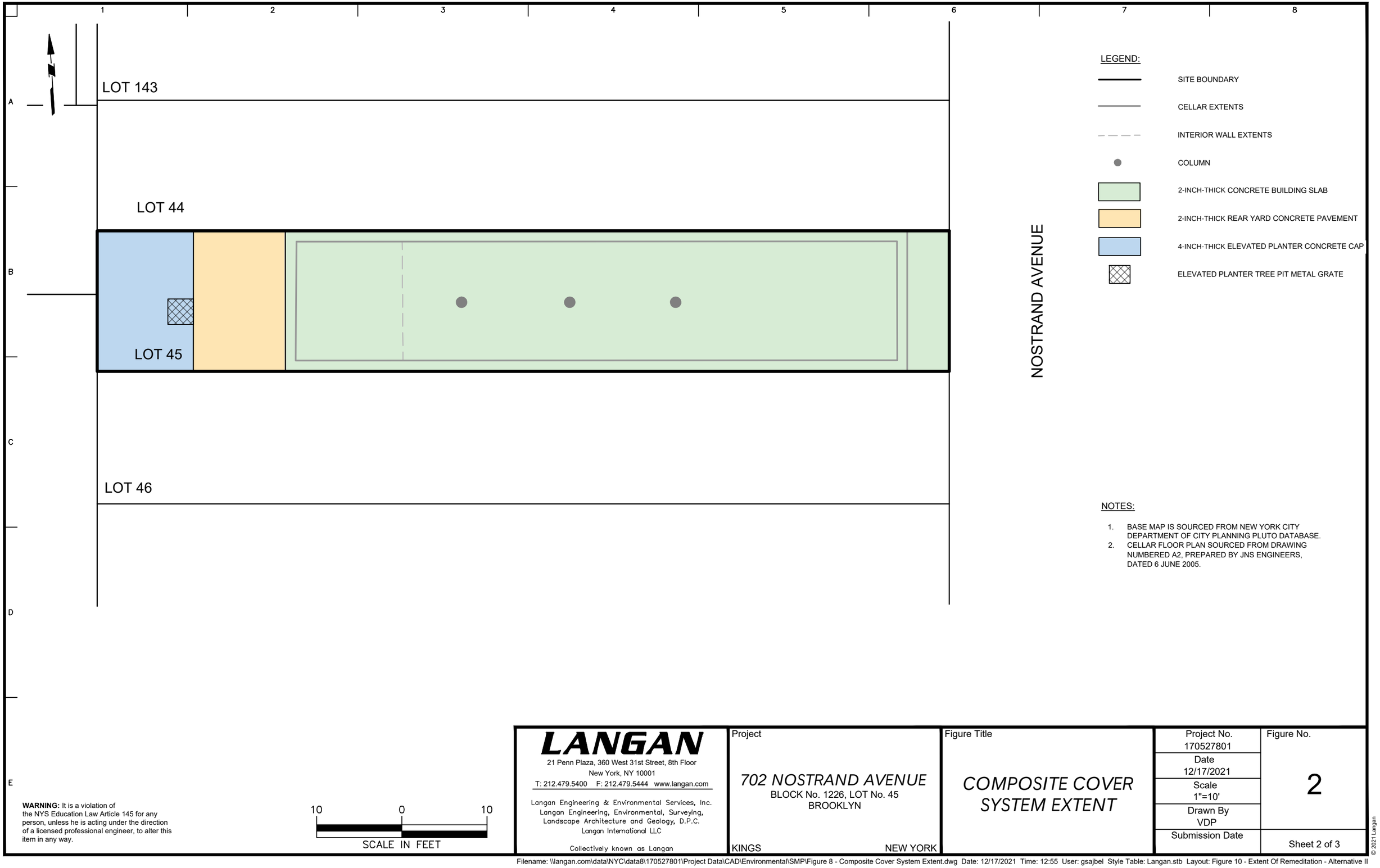
Collectively known as Langan

Project	702 NOSTRAND AVENUE BLOCK No. 1226, LOT No. 45 BROOKLYN KINGS NEW YORK
Figure Title	SITE LOCATION MAP
Project No.	170527801
Figure No.	1
Date	12/17/2021
Scale	1"=1,000'
Drawn By	VDP
Submission Date	
	Sheet 1 of 3



NOTES:

1. BASE MAP IS SOURCED FROM NEW YORK CITY DEPARTMENT OF CITY PLANNING PLUTO DATABASE.
2. CELLAR FLOOR PLAN SOURCED FROM DRAWING NUMBERED A2, PREPARED BY JNS ENGINEERS, DATED 6 JUNE 2005.

WARNING: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed professional engineer, to alter this item in any way.

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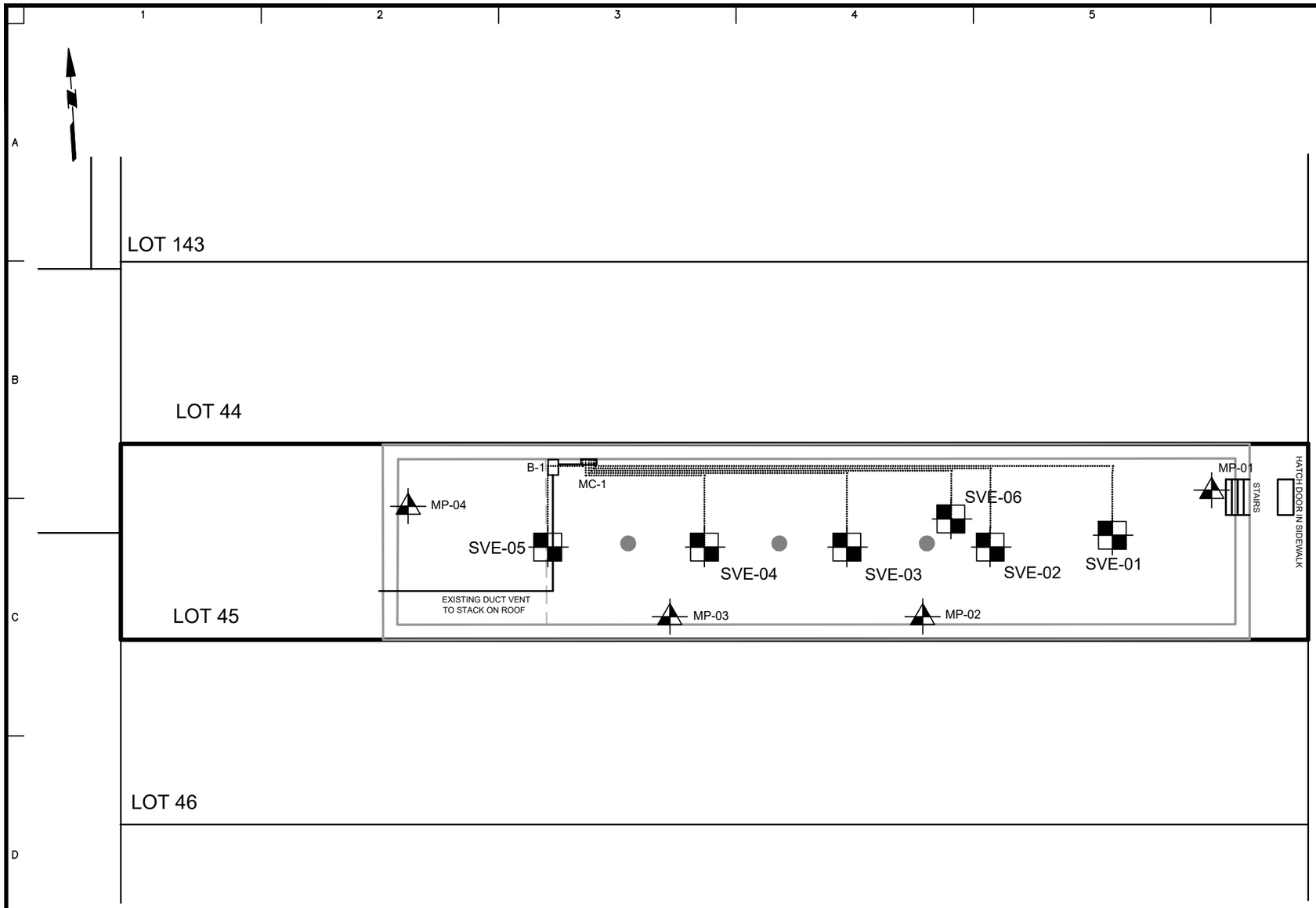
Project
702 NOSTRAND AVENUE
BLOCK No. 1226, LOT No. 45
BROOKLYN
KINGS NEW YORK

Figure Title
COMPOSITE COVER SYSTEM EXTENT

Project No.	Figure No.
170527801	2
Date: 12/17/2021	
Scale: 1"=10'	
Drawn By: VDP	
Submission Date	Sheet 2 of 3

Filename: \\langan.com\data\NYC\data8\170527801\Project Data\CAD\Environmental\SMP\Figure 8 - Composite Cover System Extent.dwg Date: 12/17/2021 Time: 12:55 User: gsajbel Style Table: Langan.stb Layout: Figure 10 - Extent Of Remediation - Alternative II



LEGEND:

- SITE BOUNDARY
- CELLAR EXTENTS
- INTERIOR WALL EXTENTS
- COLUMN
- SVE-01 — SOIL VAPOR EXTRACTION WELL LOCATION
- MP-01 — MONITORING POINT LOCATION
- BELOW GRADE PVC PIPING
- ABOVE GRADE METAL PIPING
- MC-1 — MANIFOLD CLOSET
- B-1 — BLOWER AND CONTROL PANEL

NOTES:

1. BASE MAP IS SOURCED FROM NEW YORK CITY DEPARTMENT OF CITY PLANNING PLUTO DATABASE.
2. PIPE AND CONDUIT PENETRATIONS THROUGH THE SLAB (INCLUDING MECHANICAL, ELECTRICAL, PLUMBING, OR OTHER), AND CRACKS/VOIDS ARE SEALED WITH A POLYURETHANE SEALANT (SIKAFLEX® SELF LEVELING SEALANT), SOIL VAPOR EXTRACTION WELLS AND MONITORING POINTS ARE SEALED WITH HYDRAULIC CEMENT.
3. ABOVE GRADE PIPING IS CONSTRUCTED OF METAL PIPING IN ACCORDANCE WITH NEW YORK CITY BUILDING CODE. SYSTEM EQUIPMENT TO BE MODULAR.
4. TRENCHES ARE SEALED ON ALL SIDES WITH 6 MIL POLYETHYLENE SHEETING AND BACKFILLED WITH PEA GRAVEL FOLLOWED BY PREVIOUSLY EXCAVATED SOIL.
5. CELLAR FLOOR SLAB IS REPAIRED WITH 2-INCH-THICK CONCRETE OF 3,000 PSI COMPRESSIVE STRENGTH.
6. PVC = POLYVINYL CHLORIDE
7. SVE = SOIL VAPOR EXTRACTION

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Project
702 NOSTRAND AVENUE
BLOCK No. 1226, LOT No. 45
BROOKLYN
KINGS NEW YORK

Figure Title
SVE SYSTEM EXTENT

Project No.	Figure No.
170527801	3
Date: 12/17/2021	
Scale: 1"=10'	
Drawn By: VDP	
Submission Date	Sheet 3 of 3

Filename: \\langan.com\data\NYC\data8\170527801\Project Data\CAD\Environmental\SMP\Figure 9 - SVE System Extent.dwg Date: 12/17/2021 Time: 12:54 User: gsajbel Style Table: Langan.stb Layout: Figure 2 - SVE Layout

TABLES

Table 1
Effluent Air Sample Analytical Results Summary

702 Nostrand Avenue
Brooklyn, New York
BCP Site No. C224270
Langan Project No.: 170527801

HTAC	VOLATILE ORGANIC COMPOUND	CAS NO.	EFFLUENT AIR CONCENTRATION ($\mu g/m^3$)	AIR FLOW RATE (m^3/min)	HOURLY EMISSION RATE (lb/hr)	HOURLY EMISSION RATE LIMIT (lb/hr)	HOURLY EMISSION RATE LIMIT EXCEEDED	ANNUAL EMISSION RATE (lb/yr)	ANNUAL EMISSION RATE LIMIT (lb/yr)	ANNUAL EMISSION RATE LIMIT EXCEEDED	TREATMENT REQUIRED
NO	2,2,4-Trimethylpentane	540-84-1	1.07	2.98	0.0000004	~	~	0.004	~	~	~
NO	2-Butanone	78-93-3	1.81	2.98	0.0000007	~	~	0.006	~	~	~
NO	Acetone	67-64-1	75.5	2.98	0.0000297	~	~	0.260	~	~	~
YES	Benzene	71-43-2	0.674	2.98	0.0000003	0.011	NO	0.002	100	NO	NO
NO	Chloroform	67-66-3	3.47	2.98	0.0000014	~	~	0.012	~	~	~
NO	Chloromethane	74-87-3	0.694	2.98	0.0000003	~	~	0.002	~	~	~
NO	cis-1,2-Dichloroethene	156-59-2	104	2.98	0.0000408	~	~	0.358	~	~	~
NO	Dichlorodifluoromethane	75-71-8	2.72	2.98	0.0000011	~	~	0.009	~	~	~
NO	Ethanol	64-17-5	778	2.98	0.0003056	~	~	2.677	~	~	~
NO	Isopropanol	67-63-0	285	2.98	0.0001119	~	~	0.981	~	~	~
NO	Tertiary butyl Alcohol	75-65-0	1.89	2.98	0.0000007	~	~	0.007	~	~	~
YES	Tetrachloroethene	127-18-4	138	2.98	0.0000542	0.114	NO	0.475	1000	NO	NO
NO	Toluene	108-88-3	1.54	2.98	0.0000006	~	~	0.005	~	~	~
YES	Trichloroethene	79-01-6	9.94	2.98	0.0000039	0.057	NO	0.034	500	NO	NO
NO	Trichlorofluoromethane	75-69-4	20.5	2.98	0.0000081	~	~	0.071	~	~	~
YES	Vinyl chloride	75-01-4	0.726	2.98	0.0000003	0.011	NO	0.002	100	NO	NO
	TOTAL NON-HTAC VOCs	**~**	**1276.194**	**2.98**	**0.0005013**	**0.5000000**	**NO**	**4.3910**	**4380.000**	**NO**	**NO**
	TOTAL VOCS	**~**	**1425.534**	**2.98**	**0.0005599**	**~**	**~**	**4.9048**	**~**	**~**	**~**

Notes:
1. Concentrations shown represent effluent air sample collected on 12 December 2024 (Sample ID: EA01_121224, Laboratory Sample ID: L2473320)
2. Table only displays chemical compounds with detectable concentrations.
3. Concentrations below reporting limit (non detect) are assumed to be zero.
4. Air samples were analyzed for USEPA TO-15 compounds.
5. Values in table are compared to The Guidance on Air Emissions of VOCs at DER Remediation Sites, 6 NYCRR Part 212-2.2 Table 2.
6. Hourly and annual emission rate limits listed as "~" means there is no individual standard for that compound.
7. Effluent air flow rate calculated based on the blower flowrate, recorded from the control panel.
8. HTAC = High Toxicity Air Contaminant
9. $\mu g/m^3$ = micrograms per cubic meter
10. m^3/min = cubic meter per minute
11. lb/hr = pounds per hour
12. lb/yr = pounds per year

Table 2
Periodic Review Report
Soil Vapor Sample Analytical Results

702 Nostrand Avenue
Brooklyn, New York
NYSDEC BCP Site No.: C224270
Langan Project No.: 170527801

Analyte	CAS Number	NYSDOH Decision Matrices Minimum Concentrations	Location	MP01	MP01	MP01	MP01	MP01	MP02	MP02	MP02	MP02	MP02
			Sample Name	SV-MP-1_121819	MP01_100621	MP01_110422	MP01_112923	MP01_121224	SV-MP-2_121819	MP02_100621	MP02_110422	MP02_112923	MP02_121224
			Sample Date	12/18/2019	10/06/2021	11/04/2022	11/29/2023	12/12/2024	12/18/2019	10/06/2021	11/04/2022	11/29/2023	12/12/2024
			Sample Type	SV	SV	SV	SV	SV	SV	SV	SV	SV	SV
			Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	630-20-6	NS	ug/m3	NA	NA	NA	<1.12 U	NA	NA	NA	NA	<2.26 U	NA
1,1,1-Trichloroethane	71-55-6	100	ug/m3	<1.09 U	<1.09 U	<1.09 U	<0.888 U	<1.09 U	<1.09 U	<2.18 U	<2.6 U	<1.79 U	<1.09 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	ug/m3	<1.37 U	<1.37 U	<1.37 U	<1.12 U	<1.37 U	<1.37 U	<2.75 U	<3.27 U	<2.26 U	<1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	ug/m3	<1.53 U	<1.53 U	<1.53 U	<1.25 U	<1.53 U	<1.53 U	<3.07 U	<3.65 U	<2.52 U	<1.53 U
1,1,2-Trichloroethane	79-00-5	NS	ug/m3	<1.09 U	<1.09 U	<1.09 U	<0.888 U	<1.09 U	<1.09 U	<2.18 U	<2.6 U	<1.79 U	<1.09 U
1,1-Dichloroethane	75-34-3	NS	ug/m3	<0.809 U	<0.809 U	<0.809 U	<0.659 U	<0.809 U	<0.809 U	<1.62 U	<1.93 U	<1.33 U	<0.809 U
1,1-Dichloroethene	75-35-4	6	ug/m3	<0.793 U	<0.793 U	<0.793 U	<0.323 U	<0.793 U	<0.793 U	<1.59 U	<1.89 U	<0.651 U	<0.793 U
1,2,4-Trichlorobenzene	120-82-1	NS	ug/m3	<1.48 U	<1.48 U	<1.48 U	<1.21 U	<1.48 U	<1.48 U	<2.97 U	<3.53 U	<2.44 U	<1.48 U
1,2,4-Trimethylbenzene	95-63-6	60	ug/m3	2.08	1.92	1.27	3.92 D	3.54	5.6	<1.97 U	<2.34 U	<1.62 U	<0.983 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	ug/m3	<1.54 U	<1.54 U	<1.54 U	<1.25 U	<1.54 U	<1.54 U	<3.07 U	<3.66 U	<2.52 U	<1.54 U
1,2-Dichlorobenzene	95-50-1	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<0.978 U	<1.2 U	<1.2 U	<2.4 U	<2.86 U	<1.98 U	<1.2 U
1,2-Dichloroethane	107-06-2	NS	ug/m3	<0.809 U	<0.809 U	<0.809 U	<0.658 U	<0.809 U	<0.809 U	<1.62 U	<1.93 U	<1.33 U	<0.809 U
1,2-Dichloropropane	78-87-5	NS	ug/m3	<0.924 U	<0.924 U	<0.924 U	<0.752 U	<0.924 U	<0.924 U	<1.85 U	<2.2 U	<1.52 U	<0.924 U
1,2-Dichlorotetrafluoroethane	76-14-2	NS	ug/m3	<1.4 U	<1.4 U	<1.4 U	<1.14 U	<1.4 U	<1.4 U	<2.8 U	<3.33 U	<2.3 U	<1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	60	ug/m3	<0.983 U	<0.983 U	<0.983 U	0.88 D	<0.983 U	1.5	<1.97 U	<2.34 U	<1.62 U	<0.983 U
1,3-Butadiene	106-99-0	NS	ug/m3	<0.442 U	<0.442 U	<0.442 U	<1.08 U	<0.442 U	<0.442 U	<0.885 U	<1.05 U	<2.18 U	<0.442 U
1,3-Dichlorobenzene	541-73-1	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<0.978 U	<1.2 U	<1.2 U	<2.4 U	<2.86 U	<1.98 U	<1.2 U
1,3-Dichloropropane	142-28-9	NS	ug/m3	NA	NA	NA	<0.752 U	NA	NA	NA	NA	<1.52 U	NA
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<0.978 U	<1.2 U	<1.2 U	<2.4 U	<2.86 U	<1.98 U	<1.2 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/m3	<0.721 U	<0.721 U	<0.721 U	<1.17 U	<0.721 U	<0.721 U	<1.44 U	<1.72 U	<2.37 U	<0.721 U
2,2,4-Trimethylpentane	540-84-1	60	ug/m3	2.81	<0.934 U	<0.934 U	NA	<0.934 U	5.89	<1.87 U	<2.22 U	NA	<0.934 U
2-Hexanone (MBK)	591-78-6	NS	ug/m3	<0.82 U	<0.82 U	<0.82 U	<1.33 U	<0.82 U	<0.82 U	<1.64 U	<1.95 U	<2.69 U	<0.82 U
4-Ethyltoluene	622-96-8	NS	ug/m3	<0.983 U	<0.983 U	<0.983 U	2.88 D	<0.983 U	1.32	<1.97 U	<2.34 U	<1.62 U	<0.983 U
Acetone	67-64-1	NS	ug/m3	122	127	59.9	61.4 D	49.4	80.8	141	76.3	22.4 D	18
Acrylonitrile	107-13-1	NS	ug/m3	NA	NA	NA	0.565 D	NA	NA	NA	NA	<0.713 U	NA
Allyl Chloride (3-Chloropropene)	107-05-1	NS	ug/m3	<0.626 U	<0.626 U	<0.626 U	<2.55 U	<0.626 U	<0.626 U	<1.25 U	<1.49 U	<5.14 U	<0.626 U
Benzene	71-43-2	60	ug/m3	1.96	<0.639 U	1.2	0.832 D	1.67	2.44	<1.28 U	<1.52 U	<1.05 U	<0.639 U
Benzyl Chloride	100-44-7	NS	ug/m3	<1.04 U	<1.04 U	<1.04 U	<0.842 U	<1.04 U	<1.04 U	<2.07 U	<2.46 U	<1.7 U	<1.04 U
Bromodichloromethane	75-27-4	NS	ug/m3	<1.34 U	<1.34 U	<1.34 U	<1.09 U	<1.34 U	<1.34 U	<2.68 U	<3.19 U	<2.2 U	<1.34 U
Bromoethene	593-60-2	NS	ug/m3	<0.874 U	<0.874 U	<0.874 U	<0.712 U	<0.874 U	<0.874 U	<1.75 U	<2.08 U	<1.44 U	<0.874 U
Bromoform	75-25-2	NS	ug/m3	<2.07 U	<2.07 U	<2.07 U	<1.68 UJ	<2.07 U	<2.07 U	<4.14 U	<4.92 U	<3.4 UJ	<2.07 U
Bromomethane	74-83-9	NS	ug/m3	<0.777 U	<0.777 U	<0.777 U	<0.632 U	<0.777 U	<0.777 U	<1.55 U	<1.85 U	<1.28 U	<0.777 U
Carbon Disulfide	75-15-0	NS	ug/m3	1.51	2.15	0.993	1.72 D	2.47	4.45	16.7	<1.48 U	<1.02 U	<0.623 U
Carbon Tetrachloride	56-23-5	6	ug/m3	<1.26 U	<1.26 U	<1.26 U	0.512 J	<1.26 U	<1.26 U	<2.52 U	<2.99 U	0.62 J	<1.26 U
Chlorobenzene	108-90-7	NS	ug/m3	<0.921 U	<0.921 U	<0.921 U	<0.749 U	<0.921 U	<0.921 U	<1.84 U	<2.19 U	<1.51 U	<0.921 U
Chloroethane	75-00-3	NS	ug/m3	<0.528 U	<0.528 U	<0.528 U	<0.429 U	<0.528 U	<0.528 U	<1.06 U	<1.26 U	<0.867 U	<0.528 U
Chloroform	67-66-3	NS	ug/m3	1.13	2.31	1.68	6.12 D	<0.977 U	1.32	4.24	<2.32 U	<1.6 U	<0.977 U
Chloromethane	74-87-3	NS	ug/m3	0.698	0.907	0.874	0.504 D	0.766	1.51	1.73	<0.983 U	<0.679 U	<0.413 U
Cis-1,2-Dichloroethene	156-59-2	6	ug/m3	1.13	<0.793 U	<0.793 U	2.77 D	2.21	2.66	<1.59 U	<1.89 U	0.782 D	1.58
Cis-1,3-Dichloropropene	10061-01-5	NS	ug/m3	<0.908 U	<0.908 U	<0.908 U	<0.738 U	<0.908 U	<0.908 U	<1.82 U	<2.16 U	<1.49 U	<0.908 U
Cyclohexane	110-82-7	60	ug/m3	5.3	<0.688 U	<0.688 U	<0.56 U	<0.688 U	10.1	<1.38 U	<1.64 U	<1.13 U	<0.688 U
Dibromochloromethane	124-48-1	NS	ug/m3	<1.7 U	<1.7 U	<1.7 U	<1.39 U	<1.7 U	<1.7 U	<3.41 U	<4.06 U	<2.8 U	<1.7 U
Dichlorodifluoromethane	75-71-8	NS	ug/m3	2.24	1.95	2.85	3.46 D	2.64	2.29	<1.98 U	2.9	3.9 D	2.62
Ethanol	64-17-5	NS	ug/m3	101	89.7	113	NA	48	122	91	<22.4 U	NA	<9.42 U
Ethyl Acetate	141-78-6	NS	ug/m3	2.19	<1.8 U	<1.8 U	3.05 D	<1.8 U	2.6	<3.6 U	<4.29 U	<2.37 U	4.5
Ethylbenzene	100-41-4	60	ug/m3	2.68	9.25	3.83	2.47 D	2.99	4.78	7.43	<2.07 U	<1.43 U	<0.869 U
Hexachlorobutadiene	87-68-3	NS	ug/m3	<2.13 U	<2.13 U	<2.13 U	<1.74 U	<2.13 U	<2.13 U	<4.27 U	<5.08 U	<3.5 U	<2.13 U
Isopropanol	67-63-0	NS	ug/m3	113	54.6	32.4	26.4 D	10.3	35.4	78.9	7.33	6.7 D	2.51
M,P-Xylene	179601-23-1	200	ug/m3	11.4	28.7	57.3	9.61 D	10.3	24.5	22.7	<4.14 U	<2.85 U	<1.74 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	32.4	56.6	38.9	44.8 D	36	5.52	80.5	88.2	21.9 D	29.8
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/m3	<2.05 U	<2.05 U	<2.05 U	<0.667 U	15.2	<2.05 U	<4.1 U	<4.88 U	<1.35 U	<2.05 U
Methyl Methacrylate	80-62-6	NS	ug/m3	NA	NA	NA	<0.666 U	NA	NA	NA	NA	<1.35 U	NA
Methylene Chloride	75-09-2	100	ug/m3	<1.74 U	<1.74 U	2.45	<1.13 U	<1.74 U	<1.74 U	<3.47 U	<4.13 U	<2.28 U	<1.74 U
Naphthalene	91-20-3	60	ug/m3	NA	NA	NA	NA	<1.05 U	NA	NA	NA	NA	<1.05 U
n-Heptane	142-82-5	200	ug/m3	5.57	<0.82 U	0.832	<0.667 U	2.51	7.29	<1.64 U	<1.95 U	<1.35 U	4.18
n-Hexane	110-54-3	200	ug/m3	3.5	1.37	0.874	<0.573 U	1.06	5.25	1.61	<1.68 U	<1.16 U	1.32
o-Xylene (1,2-Dimethylbenzene)	95-47-6	60	ug/m3	4.6	8.77	19.2	3.53 D	3.68	8.82	6.95	<2.07 U	<1.43 U	<0.869 U
Propylene	115-07-1	NS	ug/m3	NA	NA	NA	<0.28 U	NA	NA	NA	NA	<0.566 U	NA
Styrene	100-42-5	NS	ug/m3	<0.852 U	<0.852 U	<0.852 U	<0.693 U	<0.852 U	<0.852 U	<1.7 U	<2.03 U	<1.4 U	<0.852 U
Tert-Butyl Alcohol	75-65-0	NS	ug/m3	9.22	22.3	1.6	NA	<1.52 U	12.5	21	<3.61 U	NA	<1.52 U
Tert-Butyl Methyl Ether	1634-04-4	NS	ug/m3	<0.721 U	<0.721 U	<0.721 U	<0.587 U	<0.721 U	<0.721 U	<1.44 U	<1.72 U	<1.18 U	<0.721 U
Tetrachloroethene (PCE)	127-18-4	**100**	ug/m3	10.1	2.77	7.26	60.7 D	21	34.7	4.83	88.8	**201 D**	**114**
Tetrahydrofuran	109-99-9	NS	ug/m3	39.8	106	61.1	118 D	85.2	100	272	554	213 D	244
Toluene	108-88-3	300	ug/m3	8.59	4.6	6.59	7.73 D	4.56	10.9	5.16	<1.79 U	<1.24 U	1.68
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	ug/m3	2.54	NA	NA	NA	NA	4.28	NA	NA	NA	NA
Total Xylenes	1330-20-7	NS	ug/m3	16	NA	76.4	NA	NA	33.3	NA	<2.07 U	NA	NA
Trans-1,2-Dichloroethene	156-60-5	NS	ug/m3	1.41	<0.793 U	<0.793 U	<0.645 U	<0.793 U	1.61	<1.59 U	<1.89 U	<1.3 U	<0.793 U
Trans-1,3-Dichloropropene	10061-02-6	NS	ug/m3	<0.908 U	<0.908 U	<0.908 U	<0.738 U	<0.908 U	<0.908 U	<1.82 U	<2.16 U	<1.49 U	<0.908 U
Trichloroethene (TCE)	79-01-6	6	ug/m3	1.81	<1.07 U	<1.07 U	3.15 D	1.34	2.75	<2.15 U	2.57	1.41 D	1.19
Trichlorofluoromethane	75-69-4	NS	ug/m3	1.75	1.21	2.12	3.66 J	2.67	2.23	<2.25 U	<2.67 U	2.77 J	3.71
Vinyl Acetate	108-05-4	NS	ug/m3	NA	NA	NA	<0.573 U	NA	NA	NA	NA	<1.16 U	NA
Vinyl Chloride	75-01-4	6	ug/m3	<0.511 U	<0.511 U	<0.511 U	<0.208 U	<0.511 U	<0.511 U	<1.02 U	<1.22 U	<0.42 U	<0.511 U
Total CVOCs	TOTALCVOCS	NS	ug/m3	14.45	2.77	7.26	66.62	24.55	41.72	4.83	91.37	203.192	116.77
Total VOCs	TOTALVOCS	NS	ug/m3	492.418	522.107	416.223	368.663	307.506	505.01	755.75	820.1	474.482	429.09

Table 2
Periodic Review Report
Soil Vapor Sample Analytical Results

702 Nostrand Avenue
Brooklyn, New York
NYSDEC BCP Site No.: C224270
Langan Project No.: 170527801

Analyte	CAS Number	NYSDOH Decision Matrices Minimum Concentrations	Location	MP03	MP03	MP03	MP03	MP03	MP04	MP04	MP04	MP04	MP04
			Sample Name	SV-MP-3_121819	MP03_100621	MP03_110422	MP03_112923	MP03_121224	SV-MP-4_121819	MP04_100621	MP04_110422	MP04_112923	MP04_121224
			Sample Date	12/18/2019	10/06/2021	11/04/2022	11/29/2023	12/12/2024	12/18/2019	10/06/2021	11/04/2022	11/29/2023	12/12/2024
			Sample Type	SV	SV	SV	SV	SV	SV	SV	SV	SV	SV
			Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	630-20-6	NS	ug/m3	NA	NA	NA	<1.28 U	NA	NA	NA	NA	<1.06 U	NA
1,1,1-Trichloroethane	71-55-6	100	ug/m3	<1.09 U	<1.09 U	<1.09 U	<1.02 U	<1.09 U	<1.09 U	<1.56 U	<1.09 U	<0.841 U	<1.09 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	ug/m3	<1.37 U	<1.37 U	<1.37 U	<1.28 U	<1.37 U	<1.37 U	<1.96 U	<1.37 U	<1.06 U	<1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	ug/m3	<1.53 U	<1.53 U	<1.53 U	<1.43 U	<1.53 U	<1.53 U	<2.19 U	<1.53 U	<1.18 U	<1.53 U
1,1,2-Trichloroethane	79-00-5	NS	ug/m3	<1.09 U	<1.09 U	<1.09 U	<1.02 U	<1.09 U	<1.09 U	<1.56 U	<1.09 U	<0.841 U	<1.09 U
1,1-Dichloroethane	75-34-3	NS	ug/m3	<0.809 U	<0.809 U	<0.809 U	<0.756 U	<0.809 U	<0.809 U	<1.16 U	<0.809 U	<0.624 U	<0.809 U
1,1-Dichloroethene	75-35-4	6	ug/m3	<0.793 U	<0.793 U	<0.793 U	<0.371 U	<0.793 U	<0.793 U	<1.13 U	<0.793 U	<0.305 U	<0.793 U
1,2,4-Trichlorobenzene	120-82-1	NS	ug/m3	<1.48 U	<1.48 U	<1.48 U	<1.39 U	<1.48 U	<1.48 U	<2.12 U	<1.48 U	<1.14 U	<1.48 U
1,2,4-Trimethylbenzene	95-63-6	60	ug/m3	3.44	1.71	1.48	4.41 D	3.75	3.41	<1.41 U	8.06	4.17 D	4.2
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	ug/m3	<1.54 U	<1.54 U	<1.54 U	<1.44 U	<1.54 U	<1.54 U	<2.2 U	<1.54 U	<1.18 U	<1.54 U
1,2-Dichlorobenzene	95-50-1	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<1.12 U	<1.2 U	<1.2 U	<1.72 U	<1.2 U	<0.926 U	<1.2 U
1,2-Dichloroethane	107-06-2	NS	ug/m3	<0.809 U	<0.809 U	<0.809 U	<0.756 U	<0.809 U	<0.809 U	<1.16 U	<0.809 U	<0.624 U	<0.809 U
1,2-Dichloropropane	78-87-5	NS	ug/m3	<0.924 U	<0.924 U	<0.924 U	<0.864 U	<0.924 U	<0.924 U	<1.32 U	<0.924 U	<0.712 U	<0.924 U
1,2-Dichlorotetrafluoroethane	76-14-2	NS	ug/m3	<1.4 U	<1.4 U	<1.4 U	<1.31 U	<1.4 U	<1.4 U	<2 U	<1.4 U	<1.08 U	<1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	60	ug/m3	<0.983 U	<0.983 U	<0.983 U	1.1 D	<0.983 U	<0.983 U	<1.41 U	5.56	0.985 D	0.983
1,3-Butadiene	106-99-0	NS	ug/m3	<0.442 U	<0.442 U	<0.442 U	<1.24 U	<0.442 U	<0.442 U	<0.633 U	<0.442 U	<1.02 U	<0.442 U
1,3-Dichlorobenzene	541-73-1	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<1.12 U	<1.2 U	<1.2 U	<1.72 U	<1.2 U	<0.926 U	<1.2 U
1,3-Dichloropropane	142-28-9	NS	ug/m3	NA	NA	NA	<0.864 U	NA	NA	NA	NA	<0.712 U	NA
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<1.2 U	<1.2 U	1.36	<1.12 U	<1.2 U	<1.2 U	<1.72 U	1.35	<0.926 U	<1.2 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/m3	<0.721 U	<0.721 U	<0.721 U	<1.35 U	<0.721 U	<0.721 U	<1.03 U	<0.721 U	<1.11 U	<0.721 U
2,2,4-Trimethylpentane	540-84-1	60	ug/m3	8.36	<0.934 U	0.939	NA	<0.934 U	5.51	<1.34 U	2	NA	<0.934 U
2-Hexanone (MBK)	591-78-6	NS	ug/m3	<0.82 U	<0.82 U	<0.82 U	<1.53 U	<0.82 U	<0.82 U	<1.17 U	<0.82 U	<1.26 U	<0.82 U
4-Ethyltoluene	622-96-8	NS	ug/m3	<0.983 U	<0.983 U	<0.983 U	4.59 D	<0.983 U	<0.983 U	<1.41 U	1.96	4.09 D	<0.983 U
Acetone	67-64-1	NS	ug/m3	94.1	49.9	56.5	29.2 D	21.9	120	50.1	18.1	15.1 D	6.49
Acrylonitrile	107-13-1	NS	ug/m3	NA	NA	NA	1.99 D	NA	NA	NA	NA	<0.334 U	NA
Allyl Chloride (3-Chloropropene)	107-05-1	NS	ug/m3	<0.626 U	<0.626 U	<0.626 U	<2.93 U	<0.626 U	<0.626 U	<0.895 U	<0.626 U	<2.41 U	<0.626 U
Benzene	71-43-2	60	ug/m3	2.37	<0.639 U	1.59	1.07 D	2.6	3.87	<0.914 U	1.51	0.935 D	1.23
Benzyl Chloride	100-44-7	NS	ug/m3	<1.04 U	<1.04 U	<1.04 U	<0.968 U	<1.04 U	<1.04 U	<1.48 U	<1.04 U	<0.798 U	<1.04 U
Bromodichloromethane	75-27-4	NS	ug/m3	<1.34 U	<1.34 U	<1.34 U	<1.25 U	<1.34 U	<1.34 U	<1.92 U	<1.34 U	<1.03 U	<1.34 U
Bromoethene	593-60-2	NS	ug/m3	<0.874 U	<0.874 U	<0.874 U	<0.818 U	<0.874 U	<0.874 U	<1.25 U	<0.874 U	<0.674 U	<0.874 U
Bromoform	75-25-2	NS	ug/m3	<2.07 U	<2.07 U	<2.07 U	<1.93 UJ	<2.07 U	<2.07 U	<2.96 U	<2.07 U	<1.59 UJ	<2.07 U
Bromomethane	74-83-9	NS	ug/m3	<0.777 U	<0.777 U	<0.777 U	<0.726 U	<0.777 U	<0.777 U	<1.11 U	<0.777 U	<0.598 U	<0.777 U
Carbon Disulfide	75-15-0	NS	ug/m3	2.37	6.76	1.06	2.79 D	2.65	0.694	9.75	10.1	4.65 D	4.24
Carbon Tetrachloride	56-23-5	6	ug/m3	<1.26 U	<1.26 U	<1.26 U	0.588 J	<1.26 U	<1.26 U	<1.8 U	<1.26 U	0.582 J	<1.26 U
Chlorobenzene	108-90-7	NS	ug/m3	<0.921 U	<0.921 U	<0.921 U	<0.86 U	<0.921 U	<0.921 U	<1.32 U	<0.921 U	<0.709 U	<0.921 U
Chloroethane	75-00-3	NS	ug/m3	<0.528 U	<0.528 U	<0.528 U	<0.493 U	<0.528 U	<0.528 U	<0.755 U	<0.528 U	<0.407 U	<0.528 U
Chloroform	67-66-3	NS	ug/m3	1.23	3	1.86	1.46 D	<0.977 U	<0.977 U	<1.4 U	<0.977 U	<0.752 U	<0.977 U
Chloromethane	74-87-3	NS	ug/m3	2.35	2.71	0.84	0.502 D	0.878	0.63	3.92	3.2	1.72 D	1.38
Cis-1,2-Dichloroethene	156-59-2	6	ug/m3	1.11	<0.793 U	<0.793 U	1.93 D	1.76	<0.793 U	<1.13 U	<0.793 U	<0.305 U	<0.793 U
Cis-1,3-Dichloropropene	10061-01-5	NS	ug/m3	<0.908 U	<0.908 U	<0.908 U	<0.848 U	<0.908 U	<0.908 U	<1.3 U	<0.908 U	<0.699 U	<0.908 U
Cyclohexane	110-82-7	60	ug/m3	9.4	<0.688 U	<0.688 U	<0.643 U	<0.688 U	12.9	1.54	<0.688 U	<0.53 U	<0.688 U
Dibromochloromethane	124-48-1	NS	ug/m3	<1.7 U	<1.7 U	<1.7 U	<1.59 U	<1.7 U	<1.7 U	<2.44 U	<1.7 U	<1.31 U	<1.7 U
Dichlorodifluoromethane	75-71-8	NS	ug/m3	2.23	1.96	2.9	3.05 D	2.53	2.14	1.92	3.04	3.89 D	2.57
Ethanol	64-17-5	NS	ug/m3	123	104	60.1	NA	58.4	155	106	27.3	NA	41.6
Ethyl Acetate	141-78-6	NS	ug/m3	3.43	1.96	<1.8 U	4.18 D	<1.8 U	4.36	<2.57 U	<1.8 U	3 D	<1.8 U
Ethylbenzene	100-41-4	60	ug/m3	5.69	9.95	1.36	3.25 D	3.74	4.47	<1.24 U	1.4	2.68 D	3.31
Hexachlorobutadiene	87-68-3	NS	ug/m3	<2.13 U	<2.13 U	<2.13 U	<1.99 U	<2.13 U	<2.13 U	<3.05 U	<2.13 U	<1.64 U	<2.13 U
Isopropanol	67-63-0	NS	ug/m3	14.9	60.5	17.2	28.3 D	12.4	20.8	489	9.54	27.2 D	4.97
M,P-Xylene	179601-23-1	200	ug/m3	27.3	29.8	4.29	12.2 D	12.6	18.6	<2.48 U	4.73	10.3 D	11.8
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	16.9	34.8	27.3	16.7 D	16	36.6	2.95	3.19	2.32 D	1.9
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/m3	<2.05 U	<2.05 U	<2.05 U	<0.766 U	18.1	<2.05 U	<2.93 U	<2.05 U	<0.631 U	15.9
Methyl Methacrylate	80-62-6	NS	ug/m3	NA	NA	NA	<0.765 U	NA	NA	NA	NA	<0.631 U	NA
Methylene Chloride	75-09-2	100	ug/m3	<1.74 U	<1.74 U	<1.74 U	<1.3 U	<1.74 U	<1.74 U	<2.48 U	1.82	<1.07 U	<1.74 U
Naphthalene	91-20-3	60	ug/m3	NA	NA	NA	NA	<1.05 U	NA	NA	NA	NA	<1.05 U
n-Heptane	142-82-5	200	ug/m3	7.58	<0.82 U	<0.82 U	<0.766 U	2.56	10.6	<1.17 U	0.852	<0.632 U	4.47
n-Hexane	110-54-3	200	ug/m3	4.55	1.17	<0.705 U	0.988 D	1.51	7.93	1.33	0.888	0.815 D	1.49
o-Xylene (1,2-Dimethylbenzene)	95-47-6	60	ug/m3	12.5	8.82	1.53	4.46 D	4.39	7.04	<1.24 U	1.52	3.88 D	4.31
Propylene	115-07-1	NS	ug/m3	NA	NA	NA	<0.322 U	NA	NA	NA	NA	<0.265 U	NA
Styrene	100-42-5	NS	ug/m3	<0.852 U	<0.852 U	<0.852 U	<0.796 U	<0.852 U	<0.852 U	<1.22 U	<0.852 U	<0.656 U	<0.852 U
Tert-Butyl Alcohol	75-65-0	NS	ug/m3	13.9	20.8	<1.52 U	NA	<1.52 U	19.1	<2.16 U	<1.52 U	NA	<1.52 U
Tert-Butyl Methyl Ether	1634-04-4	NS	ug/m3	<0.721 U	<0.721 U	<0.721 U	<0.674 U	<0.721 U	<0.721 U	<1.03 U	<0.721 U	<0.556 U	<0.721 U
Tetrachloroethene (PCE)	127-18-4	**100**	ug/m3	20.9	2.85	7.05	50.6 D	15.8	<1.36 U	6.58	5.85	38.3 D	20.9
Tetrahydrofuran	109-99-9	NS	ug/m3	63.7	179	74.3	70.8 D	52.2	35.7	96.1	67.8	44.3 D	47.2
Toluene	108-88-3	300	ug/m3	12	5.31	6.41	11.1 D	6.93	16.4	5.65	6.33	8.01 D	4.71
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	ug/m3	2.66	NA	NA	NA	NA	4.12	NA	NA	NA	NA
Total Xylenes	1330-20-7	NS	ug/m3	39.8	NA	5.82	NA	NA	25.7	NA	6.25	NA	NA
Trans-1,2-Dichloroethene	156-60-5	NS	ug/m3	1.55	<0.793 U	<0.793 U	<0.741 U	<0.793 U	4.12	<1.13 U	<0.793 U	<0.611 U	<0.793 U
Trans-1,3-Dichloropropene	10061-02-6	NS	ug/m3	<0.908 U	<0.908 U	<0.908 U	<0.848 U	<0.908 U	<0.908 U	<1.3 U	<0.908 U	<0.699 U	<0.908 U
Trichloroethene (TCE)	79-01-6	6	ug/m3	2.16	<1.07 U	<1.07 U	2.41 D	<1.07 U	<1.07 U	<1.54 U	<1.07 U	0.497 D	<1.07 U
Trichlorofluoromethane	75-69-4	NS	ug/m3	1.63	1.17	2.34	2.31 J	2.56	2.74	<1.61 U	2.35	1.99 J	2.93
Vinyl Acetate	108-05-4	NS	ug/m3	NA	NA	NA	<0.658 U	NA	NA	NA	NA	<0.543 U	NA
Vinyl Chloride	75-01-4	6	ug/m3	<0.511 U	<0.511 U	<0.511 U	<0.239 U	<0.511 U	<0.511 U	<0.731 U	<0.511 U	<0.197 U	<0.511 U
Total CVOCs	TOTALCVOCS	NS	ug/m3	25.72	2.85	7.05	54.94	17.56	4.12	6.58	5.85	38.797	20.9
Total VOCs	TOTALVOCS	NS	ug/m3	461.31	526.17	270.409	259.978	243.258	496.734	774.84	188.45	179.414	186.583

Table 2
Periodic Review Report
Soil Vapor Sample Analytical Results

702 Nostrand Avenue
Brooklyn, New York
NYSDEC BCP Site No.: C224270
Langan Project No.: 170527801

Notes:

SV - Soil Vapor
CAS - Chemical Abstract Service
NS - No standard
ug/m3 - microgram per cubic meter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected
Soil vaporsample analytical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).

Qualifiers:

D - The concentration reported is a result of a diluted sample.
J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
UJ - The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.
U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:

10 - Result exceeds minimum soil vapor concentrations recommending mitigation

APPENDIX A
ENVIRONMENTAL EASEMENT

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument.The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.

2020051800434001008E976F

RECORDING AND ENDORSEMENT COVER PAGE **PAGE 1 OF 10**

Document ID: 2020051800434001 Document Date: 04-17-2020 Preparation Date: 06-10-2020
Document Type: EASEMENT
Document Page Count: 9 Non-Standard Form Size

PRESENTER:
SIVE PAGET & RIESEL, P.C.
560 LEXINGTON AVENUE, 15TH FLOOR
NEW YORK, NY 10022
212-421-2150
NDUNCAN@SPRLAW.COM

RETURN TO:
SIVE PAGET & RIESEL, P.C.
560 LEXINGTON AVENUE, 15TH FLOOR
NEW YORK, NY 10022
212-421-2150
NDUNCAN@SPRLAW.COM

PROPERTY DATA

Borough	Block	Lot	Unit	Address
BROOKLYN	1226	45	Entire Lot	702 NOSTRAND AVENUE

Property Type: OTHER Easement

CROSS REFERENCE DATA

CRFN_____ *or* DocumentID_____ *or* _____ Year_____ Reel____ Page_____ *or* File Number_____

PARTIES

GRANTOR/SELLER:
702 NOSTRAND AVE, LLC
11 PARK PLACE, SUITE 1200
NEW YORK, NY 10007

GRANTEE/BUYER:
PEOPLE OF THE STATE OF NEW YORK, BY DEC COMM'R
625 BROADWAY
ALBANY, NY 12207-2942

FEES AND TAXES

Mortgage :		
Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	139.00
Affidavit Fee:	$	0.00

Filing Fee:	$	250.00
NYC Real Property Transfer Tax:	$	0.00
NYS Real Estate Transfer Tax:	$	0.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 06-10-2020 14:37
City Register File No.(CRFN):
2020000168946

City Register Official Signature

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made as of this 17th day of April, 2020 between Owner, 702 Nostrand Ave LLC, having an office at 46 Warren Street, New York, New York 10007, County of New York, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 702 Nostrand Avenue in the City of New York, County of Kings and State of New York, known and designated on the tax map of the New York City Department of Finance as tax map parcel number: Block 1226 Lot 45, being the same as that property conveyed to Grantor by deed dated June 29, 2016 and recorded in the City Register of the City of New York as CRFN #2016000244462. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 0.038 +/- acres, and is hereinafter more fully described in the Land Title Survey dated August 13, 2019 prepared by Paul Fisher, P.L.S., which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: C224270-03-18, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii), Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Department of Health and Mental Hygiene to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining

contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation

Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

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

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: C224270
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and

communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

11. Consistency with the SMP. To the extent there is any conflict or inconsistency between the terms of this Environmental Easement and the SMP, regarding matters specifically addressed by the SMP, the terms of the SMP will control.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

702 Nostrand Ave LLC:

By: _____

Print Name: Michel Cohen

Title: member Date: 3/6/2020

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF New York)

On the 6 day of March, in the year 2020, before me, the undersigned, personally appeared Michel Cohen, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

JAVIER RODRIGUEZ
NOTARY PUBLIC-STATE OF NEW YORK
No 01RO6318384
Qualified in Richmond County
My Commission Expires 01-26-2023

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Michael J. Ryan, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 17th day of April, in the year 2020 before me, the undersigned, personally appeared Michael J. Ryan, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

JENNIFER ANDALORO
Notary Public, State of New York
No. 02AN6098246
Qualified in Albany County
Commission Expires January 14, 2024

SCHEDULE "A" PROPERTY DESCRIPTION

Description of Environmental Easement
702 Nostrand Avenue, Brooklyn, New York
(Block No. 1226, Lot No. 45)

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

BEGINNING at a point on the westerly side of Nostrand Avenue, distant 93 feet northerly from the corner formed by the intersection of the westerly side of Nostrand Avenue and the northerly side of Prospect Place;

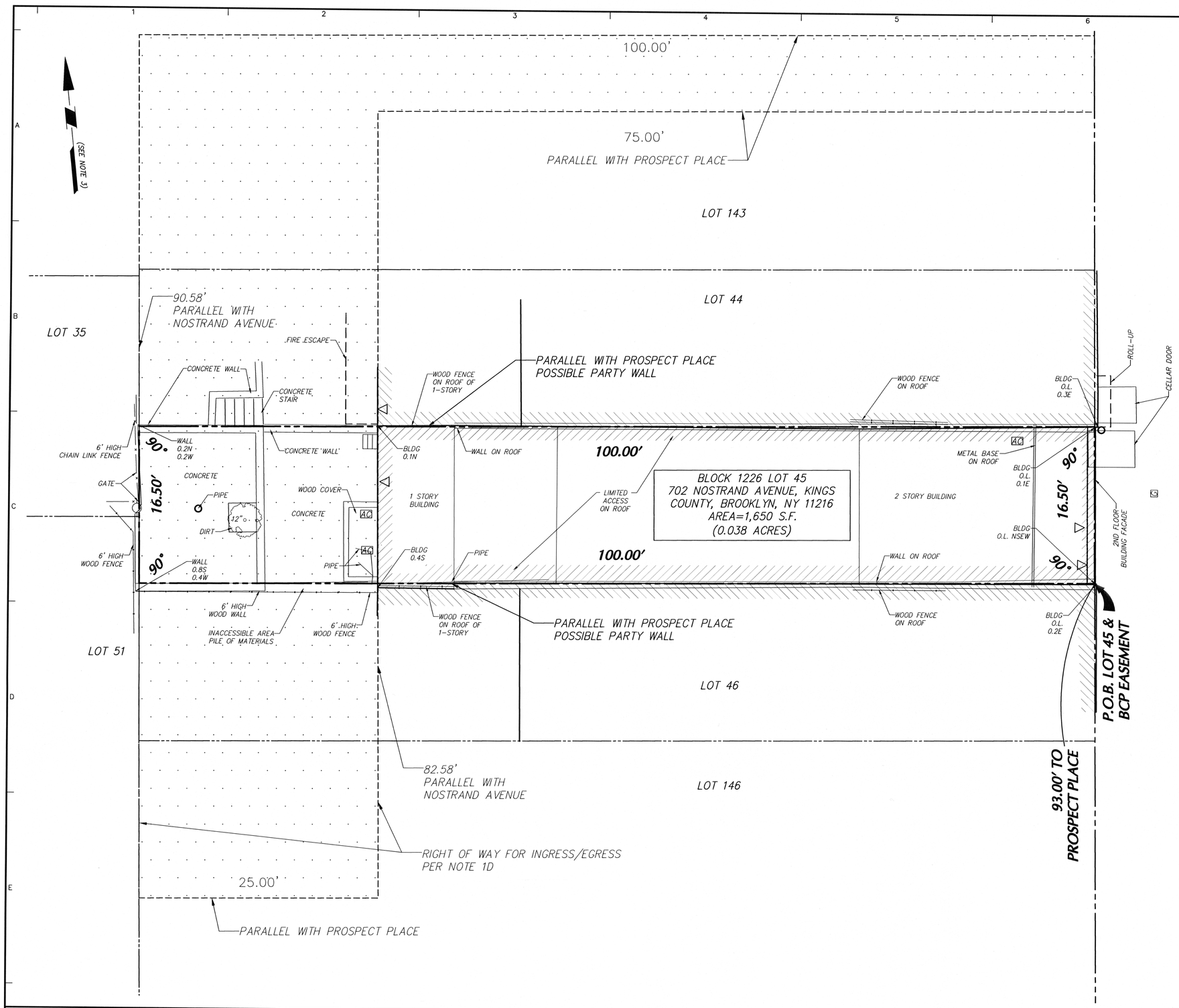
RUNNING THENCE westerly parallel with Prospect Place and part of the distance through a party wall, 100 feet (100.00');

THENCE northerly parallel with Nostrand Avenue 16 feet 6 inches (16.5');

THENCE easterly parallel with Prospect Place and part of the distance through a party wall, 100 feet (100') to the westerly side of Nostrand Avenue;

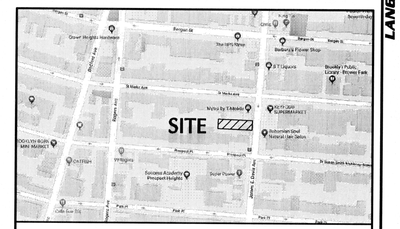
THENCE southerly along westerly side of Nostrand Avenue, 16 feet 6 inches (16.5') to the point or place of beginning.

Parcel contains 1,650 square feet or 0.038 acres.



LEGEND (NOT SHOWN TO SCALE)

- POWER POLE
- GAS VALVE
- TREE
- SIGN
- BOLLARD
- DOOR
- YARD DRAIN
- BLDG. — BUILDING
- O.L. — ON LINE
- N — NORTH
- S — SOUTH
- W — WEST
- E — EAST
- IRON FENCE
- CHAINLINK FENCE
- EASEMENT LINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- RIGHT OF WAY FOR INGRESS/EGRESS (NOTE 1D)



PROJECT LOCATION MAP

SCALE: N.T.S.

SOURCE: GOOGLE MAPS

NOTES

1. THIS SURVEY IS BASED UPON EXISTING PHYSICAL CONDITIONS FOUND AT THE SUBJECT SITE, AND THE FOLLOWING REFERENCES:
   - A. BOROUGH OF BROOKLYN, SECTIONAL MAPS NO. 35 & 26.
   - B. CURRENT NYC TAX MAP.
   - C. COMMITMENT FOR TITLE INSURANCE, TITLE NUMBER RA905-OK, ISSUED BY OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY, EFFECTIVE DATE 05/20/2016.
   - D. CRFN 2015000143225, RECORDED/FILED: 04-29-2015 11:29 [DEED LOT 45 AND EASEMENT AND RIGHT-OF-WAY FOR INGRESS AND EGRESS-PLOTTED]
2. THE SURVEYED PROPERTY IS SUBJECT BUT NOT LIMITED TO THE FOLLOWING FACTS AS REVEALED BY THE HEREON REFERENCED INFORMATION. THE INFORMATION SHOWN HEREON DOES NOT CONSTITUTE A TITLE SEARCH BY THE SURVEYOR. ALL INFORMATION THAT MAY AFFECT THE QUALITY OF TITLE TO BOTH THE SUBJECT AND ADJOINING PARCELS SHOULD BE VERIFIED BY AN ACCURATE AND CURRENT TITLE REPORT.

   SCHEDULE B- STANDARD EXCLUSIONS IN COMMITMENT FOR TITLE INSURANCE. TITLE NUMBER RA905-OK, ISSUED BY OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY, EFFECTIVE DATE 05/20/2016 (SEE NOTE 1C):

   5. COVENANTS, CONDITIONS, EASEMENTS, LEASES, AGREEMENTS OF RECORD, ETC. MORE FULLY SET FORTH HEREIN.

      A) TOGETHER WITH THE BENEFITS AND SUBJECT TO THE BURDENS OF AN EASEMENT AS DESCRIBED IN SCHEDULE "A"- [EASEMENT AND RIGHT-OF-WAY FOR INGRESS AND EGRESS ON FOOT AND VEHICLES, IN, TO AND OVER THE STRIP OF LAND-(SEE NOTE 1D) PLOTTED]
3. THE MERIDIAN OF THIS SURVEY IS REFERENCED TO APPROXIMATE NORTH. (SEE NOTE 1A)
4. STREET NAMES AS PER MAPS REFERENCED IN NOTES 1A AND 1B. R.O.W. WIDTHS AS PER MAP REFERENCED IN NOTE 1A. BLOCK AND LOT NUMBERS AS PER MAPS REFERENCED IN NOTE 1B.
5. PLANIMETRIC INFORMATION SHOWN HEREON HAS BEEN OBTAINED FROM GROUND SURVEYS BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C. DURING AUGUST OF 2019.
6. FEMA INFORMATION:

   CURRENT:
   AS PER THE NATIONAL FLOOD INSURANCE PROGRAM FIRM MAP TITLED "CITY OF NEW YORK, NEW YORK, BRONX, RICHMOND, NEW YORK, QUEENS, AND KINGS COUNTIES, PANEL 212 OF 457, MAP NUMBER 3604970212F, REVISED 09/05/07". THE ENTIRE SUBJECT PROPERTY LIES WITHIN ZONE X (NOT SHADED), AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

   PRELIMINARY:
   AS PER THE NATIONAL FLOOD INSURANCE PROGRAM FIRM MAP TITLED "CITY OF NEW YORK, NEW YORK, BRONX, RICHMOND, NEW YORK, QUEENS, AND KINGS COUNTIES, PANEL 212 OF 457, MAP NUMBER 3604970212G, PRELIMINARY DATED 12/05/13", THE ENTIRE SUBJECT PROPERTY LIES WITHIN ZONE X (NOT SHADED), AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.
7. OFFSETS (IF SHOWN) ARE FOR SURVEY REFERENCES ONLY AND ARE NOT TO BE USED IN CONSTRUCTION OF ANY TYPE.
8. WETLANDS, ENVIRONMENTAL AND/OR HAZARDOUS MATERIALS LOCATION, IF ANY, NOT COVERED UNDER THIS CONTRACT.
9. UNLESS SPECIFICALLY NOTED HEREON, STORM AND SANITARY SEWER INFORMATION (INCLUDING PIPE INVERT, PIPE MATERIAL, AND PIPE SIZE) WAS OBSERVED AND MEASURED AT FIELD LOCATED STRUCTURES (MANHOLES/CATCH BASINS, ETC.). CONDITIONS CAN VARY FROM THOSE ENCOUNTERED AT THE TIMES WHEN AND THE LOCATIONS WHERE DATA WAS OBTAINED. DESPITE MEETING THE REQUIRED STANDARD OF CARE THE SURVEYOR CANNOT AND DOES NOT WARRANT THAT PIPE MATERIAL AND/OR PIPE SIZE THROUGHOUT THE PIPE RUN ARE THE SAME AS THOSE OBSERVED AT EACH STRUCTURE, OR THAT THE PIPE RUN IS STRAIGHT BETWEEN THE LOCATED STRUCTURES.

   ADDITIONAL UTILITY (WATER, GAS, ELECTRIC ETC...) DATA MAY BE SHOWN FROM FIELD LOCATED SURFACE MARKINGS (BY OTHERS), EXISTING STRUCTURES, AND/OR FROM EXISTING DRAWINGS.

   UNLESS SPECIFICALLY NOTED HEREON THE SURVEYOR HAS NOT EXCAVATED TO PHYSICALLY LOCATE THE UNDERGROUND UTILITIES. THE SURVEYOR MAKES NO GUARANTEES THAT THE SHOWN UNDERGROUND UTILITIES ARE EITHER IN SERVICE, ABANDONED OR SUITABLE FOR USE, NOR ARE IN THE EXACT LOCATION OR CONFIGURATION INDICATED HEREON.

   PRIOR TO ANY DESIGN OR CONSTRUCTION THE PROPER UTILITY AGENCIES MUST BE CONTACTED FOR VERIFICATION OF UTILITY TYPE AND FOR FIELD LOCATIONS.

   UNLESS NOTED BELOW SUPPLEMENTAL DOCUMENTS WERE NOT USED TO COMPILE THE SUBSURFACE UTILITY INFORMATION SHOWN HEREON.
10. THIS IS TO CERTIFY THAT THERE ARE NO STREAMS NOR NATURAL WATERCOURSES ON THE PROPERTY AS SHOWN ON THIS SURVEY.
11. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.
12. THIS PLAN NOT VALID UNLESS EMBOSSED OR BLUE INK STAMPED WITH THE SEAL OF THE PROFESSIONAL.

SURVEY DESCRIPTION (SEE NOTE 1D)

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, WITH THE BUILDINGS AND IMPROVEMENTS THEREON ERECTED, SITUATE, LYING AND BEING IN THE BOROUGH OF BROOKLYN, COUNTY OF KINGS, CITY AND STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE WESTERLY SIDE OF NOSTRAND AVENUE, DISTANT 93 FEET NORTHERLY FROM THE CORNER FORMED BY THE INTERSECTION OF THE WESTERLY SIDE OF NOSTRAND AVENUE AND THE NORTHERLY SIDE OF PROSPECT PLACE;

RUNNING THENCE WESTERLY PARALLEL WITH PROSPECT PLACE AND PART OF THE DISTANCE THROUGH A PARTY WALL, 100 FEET (100.00');

THENCE NORTHERLY PARALLEL WITH NOSTRAND AVENUE 16 FEET 6 INCHES (16.5');

THENCE EASTERLY PARALLEL WITH PROSPECT PLACE AND PART OF THE DISTANCE THROUGH A PARTY WALL, 100 FEET (100') TO THE WESTERLY SIDE OF NOSTRAND AVENUE;

THENCE SOUTHERLY ALONG WESTERLY SIDE OF NOSTRAND AVENUE, 16 FEET 6 INCHES (16.5') TO THE POINT OR PLACE OF BEGINNING.

PARCEL CONTAINS 1,650 SQUARE FEET OR 0.038 ACRES.

1.52 0 0.30 0.61 1.52
SCALE: 1 INCH = 1.52 METERS

5 0 1 2 5
SCALE: 1 INCH = 5 FEET

THIS PROPERTY IS SUBJECT TO AN ENVIRONMENTAL EASEMENT HELD BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PURSUANT TO TITLE 36 OF ARTICLE 71 OF THE NEW YORK ENVIRONMENTAL CONSERVATION LAW. THE ENGINEERING AND INSTITUTIONAL CONTROLS FOR THIS EASEMENT ARE SET FORTH IN MORE DETAIL IN THE SITE MANAGEMENT PLAN (SMP). A COPY OF THE SMP MUST BE OBTAINED BY ANY PARTY WITH AN INTEREST IN THE PROPERTY. THE SMP CAN BE OBTAINED FROM NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL REMEDIATION, SITE CONTROL SECTION, 625 BROADWAY, ALBANY, NY 12233 OR AT derweb@dec.ny.gov.

Date	Description	No.
REVISIONS		

"I hereby state that this plan is based on a field survey made by me or under my immediate supervision in accordance with NYSPLS Code of Practice for Land Surveys, and to the best of my professional knowledge, information and belief, and in my professional opinion, correctly represents the conditions found on the date of the field survey at the subject property".

SIGNATURE PAUL FISHER, LAND SURVEYOR DATE SIGNED
PROFESSIONAL LAND SURVEYOR NY Lic. No. 050784-1

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

Project
702 NOSTRAND AVENUE
BLOCK No. 1226, LOT No. 45
BOROUGH OF BROOKLYN
CITY OF NEW YORK
KINGS COUNTY NEW YORK

Drawing Title
DEC EASEMENT SURVEY

Project No.	170527801
Date	08/13/19
Scale	1"=5'
Drawn By	AA, DS
Checked By	PDF

Drawing No. DEC101
Sheet 001 of 001

Filename: \\langan.com\data\NYC\data8\170527801\Project Data_Discipline\Survey\CADD\Existing\170527801-EX0101.dwg Date: 8/23/2019 Time: 10:06 User: dbtobyann Style Table: Langan.stb Layout: ARCH-BL

PROJECT NO. 170527801

APPENDIX B
SITE INSPECTION FORM

SITE INSPECTION FORM

PROJECT:	**PROJECT NO.:**
702 Nostrand Avenue	170527801
LOCATION:	**NYSDEC BCP PROJECT NO.:**
Brooklyn, New York	C224270
INSPECTOR:	**DATE:**
Shawn Martin	12/12/2024

REASON FOR INSPECTION (I.E., MONTHLY, QUARTERLY, EMERGENCY):
Annual Inspection

CURRENT SITE CONDITIONS:

Site remains occupied by a medical office on the first floor and residential tenant on the second floor. Cellar remains unoccupied and used as storage. Ambient air VOC concentrations, as detected by a photoionization detector (PID), were measured to be 0-24 parts per billion (ppb) throughout the cellar.

WEATHER CONDITIONS:
Temperature: 20s-30s F
Wind Speed and Direction: SSE 4-6 mph
Precipitation: None
Pressure: 30.03 "Hg

A. SVE SYSTEM

SVE Wells	Flow (cfm)	PID Reading (ppb)	Vacuum (IWC)
SVE-01	24.07	6	14
SVE-02	17.88	3	15
SVE-03	24.62	4	14
SVE-04	11.20	5	15
SVE-05	29.62	4	16
SVE-06	25.56	7	15

SVE System Gauges	Vacuum (IWC)	Temperature (°F)	Pressure (IWC)	Flow (cfm)	PID Reading (ppb)
Pre-Blower	20	75	N/A	N/A	45
Post-Blower	NA	82	-0.058	117.92	58

SVE System Control Panel	Vacuum (IWC)	Temperature (°F)	Flow (cfm)	Motor Current (Amps)	VFD Speed (%)
Control Panel	20	85.6	105.1	7.2	91

	Yes	No	Is the Condition Normal?	Remarks
Does the SVE system blower need replacement?		x	Yes	
Is the SVE system alarm operable?	x		Yes	
Is the Operation & Maintenance Plan present?	x		Yes	

B. MONITORING POINTS

Monitoring Point	Vacuum (IWC)	PID Reading (ppb)	Smoke Test Observation
MP-01	-4.63	53	Trace smoke test confirmed seal integrity
MP-02	-0.323	16	
MP-03	-0.093	66	
MP-04	-0.025	53	

C. COMPOSITE COVER SYSTEM

	Yes	No	Is the Condition Normal?	Remarks
Are there any indications of a breach of the composite cover?		x	Yes	
Are there any cracks in the composite cover?		x	Yes	
Is there any indication of construction activity since the last inspection that included breaching of the composite cover?		x	Yes	

D. ADDITIONAL REMARKS

NYSDEC BCP = New York State Department of Environmental Conservation Brownfield Cleanup Program
SVE = Soil vapor extraction
cfm = Cubic feet per minute
PID = Photoionization detector
ppb = Parts per billion
IWC = Inches of water column
°F = Degrees Fahrenheit
VDF = Variable frequency drive

APPENDIX C
PHOTOGRAPH LOG

Photo 1, 12/12/2024: View of cellar (facing west).

Photo 2, 12/12/2024: View of Langan collecting soil vapor sample MP02_121224 (facing southwest).

Photo 3, 12/12/2024: View of vacuum gauges (facing down).

Photo 4, 12/12/2024: View of soil vapor extraction (SVE) system blower filter (facing north).

Photo 5, 12/12/2024: Rear-yard composite cover (facing south).

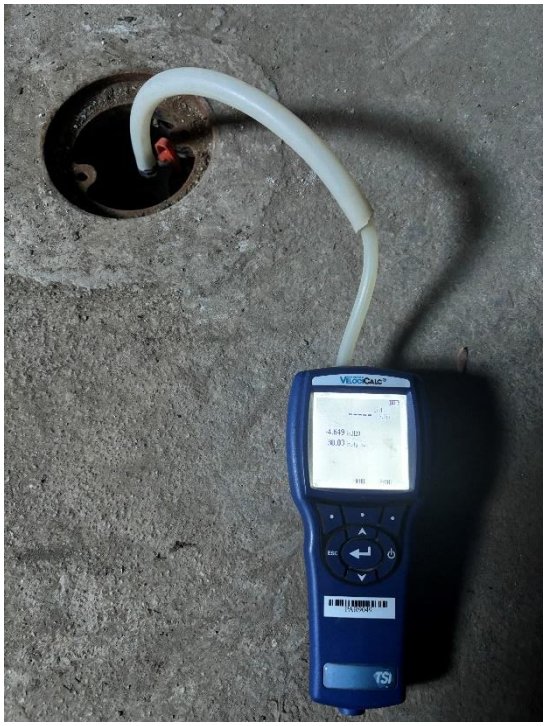


Photo 6, 12/12/2024: Langan collecting differential pressure readings from monitoring point MP-01 (facing down).

Photo 7, 12/12/2024: Langan collecting VOC readings from monitoring point MP-01 (facing down).

Photo 8, 12/12/2024: View of composite cover in the western part of the cellar (facing west).

Photo 9, 12/12/2024: View of Langan collecting flow readings from the SVE manifold (facing north).

Photo 10, 12/12/2024: View of the SVE system control panel (facing north).

APPENDIX D
PERIODIC REVIEW REPORT EC/IC CERTIFICATION FORM

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

Site Details **Box 1**

Site No. C224270

Site Name 702 Nostrand Avenue

Site Address: 702 Nostrand Avenue Zip Code: 11216
City/Town: Brooklyn
County: Kings
Site Acreage: 0.038

Reporting Period: December 13, 2023 to December 13, 2024

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C224270 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
5-1226-45	702 Nostrand Ave, LLC	Ground Water Use Restriction Soil Management Plan Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

- The Site may be used for restricted residential, commercial and industrial uses
- All ECs must be operated and maintained as specified in this SMP
- All ECs must be inspected at a frequency and in a manner defined in the SMP
- The use of groundwater underlying the Site is prohibited without necessary water quality treatment as determined by the New York State Department of Health (NYSDOH) or the New York City Department of Health and Mental Hygiene (NYCDOHMH) to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the NYSDEC
- All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP
- Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the Site owner to assure compliance with the restrictions identified by the Environmental Easement
- The potential for vapor intrusion must be evaluated for any buildings developed within the IC boundaries, and any potential impacts that are identified must be monitored or mitigated
- Vegetable gardens and farming in remaining Site soil are prohibited

Box 4

Description of Engineering Controls

Parcel	Engineering Control
5-1226-45	Vapor Mitigation Cover System Air Sparging/Soil Vapor Extraction Composite Cover System Soil Vapor Extraction (SVE) System

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
X	☐

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

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

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

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

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

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

YES	NO
X	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. C224270

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Michel Cohen (print name) at 454 Carroll Street, Brooklyn, NY, 11215 (print business address),

am certifying as Owner (Owner or Remedial Party)

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

mc

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

01/22/2025

Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

I Gerald Nicholls at 368 Ninth Ave, 8th Floor, New York, NY 10001,
print name — print business address

am certifying as a Professional Engineer for the Owner
(Owner or Remedial Party)

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

Stamp (Required for PE)

01/22/2025
Date

APPENDIX E
EFFLUENT AIR AND SOIL VAPOR SAMPLING LOGS

EFFLUENT AIR SAMPLING LOG SHEET

Sample Number: EA01_121224

PROJECT: 702 Nostrand Ave	**PROJECT NO.:** 170527801		
LOCATION: Brooklyn, New York	**SURFACE ELEVATION AND DATUM:** N/A		
SAMPLER: Shawn Martin	**SAMPLE DATE STARTED:** 12/12/2024	**DATE FINISHED:** 12/12/2024	
INSPECTOR: Shawn Martin	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister		
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**		
	Temp:	27-30	
	Wind:	4-6 SSE	
	Precipitation:	None	
	Pressure:	30.03	

METHOD OF INSTALLATION AND SAMPLING:

Langan field screened the sample location with a ppbRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 15-minute flow control valve. The flow controller was zeroed and valve opened to initiate the 15-minute sample collection.

SAMPLE DETAILS

PID BEFORE SAMPLE (PPM):	0.058
SAMPLE START TIME:	14:25
SAMPLE STOP TIME:	14:40
TOTAL SAMPLE TIME (MIN):	15
REGULATOR FLOW RATE (mL/MIN):	219
VOLUME OF SAMPLE (LITERS):	6
PID AFTER SAMPLE (PPM):	0.075
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	2587
REGULATOR SERIAL NUMBER:	02532
CAN START VACUUM PRESS. (" HG):	-29.76
CAN STOP VACUUM PRESS. (" HG):	-4.88

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.
368 Ninth Avenue, 8th Floor, New York, New York 10001-2727

SOIL VAPOR MONITORING POINT SAMPLING LOG SHEET

Sample Number: MP02_121224

PROJECT: 702 Nostrand Ave	**PROJECT NO.:** 170527801	
LOCATION: Brooklyn, New York	**SURFACE ELEVATION AND DATUM:** N/A	
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services Corp.	**INSTALLATION DATE STARTED:** 11/16/2018	**DATE FINISHED:** 11/16/2018
INSTALLATION FOREMAN: Daybi Pacheco	**SAMPLE DATE STARTED:** 12/12/2024	**DATE FINISHED:** 12/12/2024
INSTALLATION EQUIPMENT: Geoprobe® 420 M	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister	
INSPECTOR: Reid Balkind	**SAMPLER:** Shawn Martin	
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 27-30 F; Wind: 4-6 mph SSE; Precipitation: None; Pressure: 30.03	

METHOD OF INSTALLATION AND PURGING:

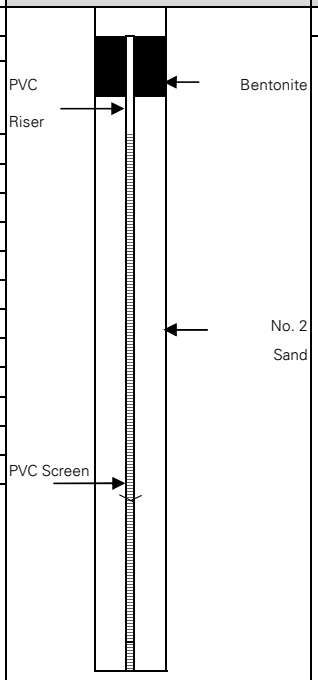
Langan field screened the sample location with a ppbRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 2-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 2-hour sample collection.

TUBING TYPE/DIAMETER: 1/4-Inch Teflon-lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: None	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 1-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	N/A	
PURGE FLOW RATE (ML/MIN):	N/A	
PID AFTER PURGE (PPM):	N/A	
SMOKE TESTS	Pre-sampling	Post-sampling
SMOKE TEST PASSED?	YES	YES
SAMPLE START TIME:	10:57	
SAMPLE STOP TIME:	12:57	
TOTAL SAMPLE TIME (MIN):	120	
REGULATOR FLOW RATE (mL/MIN):	40.4	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.016	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	3385	
REGULATOR SERIAL NUMBER:	0904	
CAN START VACUUM PRESS. (" HG):	-30.15	
CAN STOP VACUUM PRESS. (" HG):	-3.16	

SAMPLE LOCATION SKETCH

See Sample Location Plan



Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.
368 Ninth Avenue, 8th Floor, New York, New York 10001-2727

SOIL VAPOR MONITORING POINT SAMPLING LOG SHEET

Sample Number: MP03_121224

PROJECT: 702 Nostrand Ave	**PROJECT NO.:** 170527801	
LOCATION: Brooklyn, New York	**SURFACE ELEVATION AND DATUM:** N/A	
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services Corp.	**INSTALLATION DATE STARTED:** 11/16/2018	**DATE FINISHED:** 11/16/2018
INSTALLATION FOREMAN: Daybi Pacheco	**SAMPLE DATE STARTED:** 12/12/2024	**DATE FINISHED:** 12/12/2024
INSTALLATION EQUIPMENT: Geoprobe® 420 M	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister	
INSPECTOR: Reid Balkind	**SAMPLER:** Shawn Martin	
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 27-30 F; Wind: 4-6 mph SSE; Precipitation: None; Pressure: 30.03	

METHOD OF INSTALLATION AND PURGING:

Langan field screened the sample location with a ppbRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 2-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 2-hour sample collection.

TUBING TYPE/DIAMETER: 1/4-Inch Teflon-lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: None	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 1-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	N/A	
PURGE FLOW RATE (ML/MIN):	N/A	
PID AFTER PURGE (PPM):	N/A	
SMOKE TESTS	Pre-sampling	Post-sampling
SMOKE TEST PASSED?	YES	YES
SAMPLE START TIME:	10:59	
SAMPLE STOP TIME:	12:59	
TOTAL SAMPLE TIME (MIN):	120	
REGULATOR FLOW RATE (mL/MIN):	40.4	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.066	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	3585	
REGULATOR SERIAL NUMBER:	01671	
CAN START VACUUM PRESS. (" HG):	-30.15	
CAN STOP VACUUM PRESS. (" HG):	-4.65	

SAMPLE LOCATION SKETCH

See Sample Location Plan

WELL DETAILS	SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
		0
PVC Riser		
Bentonite		0.50
	Fill	1.00
No. 2 Sand		
PVC Screen	Medium Sand	6.00

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SOIL VAPOR MONITORING POINT SAMPLING LOG SHEET

Sample Number: MP04_121224

PROJECT: 702 Nostrand Ave	**PROJECT NO.:** 170527801	
LOCATION: Brooklyn, New York	**SURFACE ELEVATION AND DATUM:** N/A	
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services Corp.	**INSTALLATION DATE STARTED:** 11/16/2018	**DATE FINISHED:** 11/16/2018
INSTALLATION FOREMAN: Daybi Pacheco	**SAMPLE DATE STARTED:** 12/12/2024	**DATE FINISHED:** 12/12/2024
INSTALLATION EQUIPMENT: Geoprobe® 420 M	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister	
INSPECTOR: Reid Balkind	**SAMPLER:** Shawn Martin	
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 27-30 F; Wind: 4-6 mph SSE; Precipitation: None; Pressure: 30.03	

METHOD OF INSTALLATION AND PURGING:

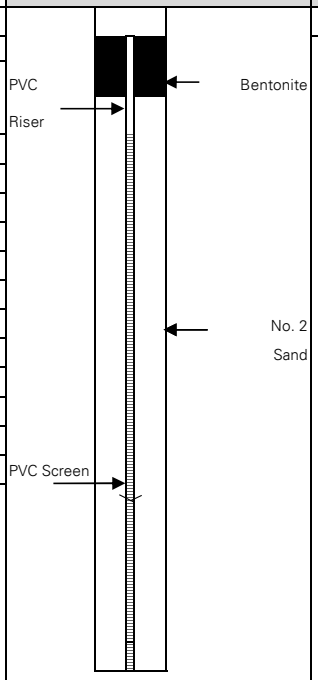
Langan field screened the sample location with a ppbRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 2-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 2-hour sample collection.

TUBING TYPE/DIAMETER: 1/4-Inch Teflon-lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: None	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 1-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	N/A	
PURGE FLOW RATE (ML/MIN):	N/A	
PID AFTER PURGE (PPM):	N/A	
SMOKE TESTS	Pre-sampling	Post-sampling
SMOKE TEST PASSED?	YES	YES
SAMPLE START TIME:	11:00	
SAMPLE STOP TIME:	13:00	
TOTAL SAMPLE TIME (MIN):	120	
REGULATOR FLOW RATE (mL/MIN):	40.3	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.053	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	780	
REGULATOR SERIAL NUMBER:	01400	
CAN START VACUUM PRESS. (" HG):	-30.21	
CAN STOP VACUUM PRESS. (" HG):	.4.84	

SAMPLE LOCATION SKETCH

See Sample Location Plan



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SOIL VAPOR MONITORING POINT SAMPLING LOG SHEET

Sample Number: MP01_121224

PROJECT: 702 Nostrand Ave	**PROJECT NO.:** 170527801	
LOCATION: Brooklyn, New York	**SURFACE ELEVATION AND DATUM:** N/A	
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services Corp.	**INSTALLATION DATE STARTED:** 11/16/2018	**DATE FINISHED:** 11/16/2018
INSTALLATION FOREMAN: Daybi Pacheco	**SAMPLE DATE STARTED:** 12/12/2024	**DATE FINISHED:** 12/12/2024
INSTALLATION EQUIPMENT: Geoprobe® 420 M	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister	
INSPECTOR: Reid Balkind	**SAMPLER:** Shawn Martin	
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 27-30 F; Wind: 4-6 mph SSE; Precipitation: None; Pressure: 30.03	

METHOD OF INSTALLATION AND PURGING:

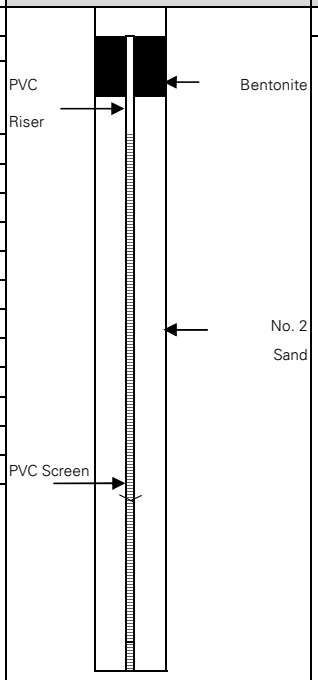
Langan field screened the sample location with a ppbRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 2-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 2-hour sample collection.

TUBING TYPE/DIAMETER: 1/4-Inch Teflon-lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: None	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 1-inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	N/A	
PURGE FLOW RATE (ML/MIN):	N/A	
PID AFTER PURGE (PPM):	N/A	
SMOKE TESTS	Pre-sampling	Post-sampling
SMOKE TEST PASSED?	YES	YES
SAMPLE START TIME:	10:56	
SAMPLE STOP TIME:	12:56	
TOTAL SAMPLE TIME (MIN):	120	
REGULATOR FLOW RATE (mL/MIN):	39.8	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.053	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	1036	
REGULATOR SERIAL NUMBER:	01763	
CAN START VACUUM PRESS. (" HG):	-29.82	
CAN STOP VACUUM PRESS. (" HG):	-4.66	

SAMPLE LOCATION SKETCH

See Sample Location Plan



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APPENDIX F
DUSR

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Memorandum

1 University Square Drive Princeton, NJ 08540 T: 609.282.8000
Mailing Address: 1 University Square Drive Princeton, NJ 08540

To: Brad Koontz, Langan Project Engineer

From: Joe Conboy, Langan Project Chemist

Date: January 2, 2025

Re: Data Usability Summary Report
For 702 Nostrand Ave
December 2024 Soil Vapor Samples
Langan Project No.: 170527801

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of air samples collected in December 2024 by Langan Engineering and Environmental Services at the 702 Nostrand Ave site. The samples were analyzed by Pace Analytical Laboratories, Inc. (NYSDOH NELAP registration # 11148) for volatile organic compounds (VOCs) by the methods specified below.

- VOCs by USEPA Method TO-15

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedure (SOP) #HW-31, "Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15" (September 2016, Revision 6),
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator.

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. All sample delivery groups underwent Tier 1 validation review.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

- **R –** The sample results are unusable. The results are rejected because of serious deficiencies in meeting quality control criteria in accordance with the applicable validation guidelines. The analyte may or may not be present in the sample.
- **J –** The analyte was positively identified above the quantitation limit, and the associated numerical value is the approximate concentration of the analyte in the sample.
- **UJ –** The analyte was not detected at or above the quantitation limit. The reported quantitation limit may be imprecise because of potential low or indeterminate bias.
- **U –** The analyte was not detected at or above the quantitation limit, or the analyte detection is impacted by blank contamination and qualified as non-detect in accordance with the applicable validation guidelines.

If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. No minor deficiencies were identified.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. No other deficiencies were identified.

CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:

Joe Conboy
Project Chemist

Data Usability Summary Report
For 702 Nostrand Ave
December 2024 Soil Vapor Samples
Table 1: Sample Summary

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
L2473320	L2473320-01	MP01_121224	12/12/2024	Tier 1	USEPA Method TO-15
L2473320	L2473320-02	MP02_121224	12/12/2024	Tier 1	USEPA Method TO-15
L2473320	L2473320-03	MP03_121224	12/12/2024	Tier 1	USEPA Method TO-15
L2473320	L2473320-04	MP04_121224	12/12/2024	Tier 1	USEPA Method TO-15
L2473320	L2473320-05	EA01_121224	12/12/2024	Tier 1	USEPA Method TO-15

Data Usability Summary Report
For 702 Nostrand Ave
December 2024 Soil Vapor Samples
Table 2: Validator-Applied Qualification

SDG	Client Sample ID	Analysis	Total (T) / Dissolved (D)	CAS #	Analyte	Validator Qualifier
No qualifications required						

APPENDIX G
LABORATORY ANALYTICAL REPORTS

ANALYTICAL REPORT

Lab Number:	L2473320
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Brad Koontz
Phone:	(212) 479-5499
Project Name:	720 NOSTRAND AVE
Project Number:	170527801
Report Date:	12/24/24

Certifications & Approvals: NH ELAP (2249).

120 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.pacelabs.com

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2473320-01	MP01_121224	SOIL_VAPOR	BROOKLYN, NY	12/12/24 12:56	12/12/24
L2473320-02	MP02_121224	SOIL_VAPOR	BROOKLYN, NY	12/12/24 12:57	12/12/24
L2473320-03	MP03_121224	SOIL_VAPOR	BROOKLYN, NY	12/12/24 12:59	12/12/24
L2473320-04	MP04_121224	SOIL_VAPOR	BROOKLYN, NY	12/12/24 13:00	12/12/24
L2473320-05	EA01_121224	SOIL_VAPOR	BROOKLYN, NY	12/12/24 14:40	12/12/24
L2473320-06	UNUSED CAN 941	SOIL_VAPOR	BROOKLYN, NY		12/12/24

Project Name:	720 NOSTRAND AVE	**Lab Number:**	L2473320
Project Number:	170527801	**Report Date:**	12/24/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	720 NOSTRAND AVE	**Lab Number:**	L2473320
Project Number:	170527801	**Report Date:**	12/24/24

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on November 12, 2024. The canister certification data is provided as an addendum.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 12/24/24

AIR

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

SAMPLE RESULTS

Lab ID: L2473320-01
Client ID: MP01_121224
Sample Location: BROOKLYN, NY

Date Collected: 12/12/24 12:56
Date Received: 12/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/23/24 05:43
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.534	0.200	--	2.64	0.989	--		1
Chloromethane	0.371	0.200	--	0.766	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	25.5	5.00	--	48.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	20.8	1.00	--	49.4	2.38	--		1
Trichlorofluoromethane	0.476	0.200	--	2.67	1.12	--		1
Isopropanol	4.20	1.00	--	10.3	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.793	0.200	--	2.47	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	12.2	0.500	--	36.0	1.47	--		1
cis-1,2-Dichloroethene	0.558	0.200	--	2.21	0.793	--		1

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

SAMPLE RESULTS

Lab ID: L2473320-01
Client ID: MP01_121224
Sample Location: BROOKLYN, NY

Date Collected: 12/12/24 12:56
Date Received: 12/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	28.9	0.500	--	85.2	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.301	0.200	--	1.06	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.522	0.200	--	1.67	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.249	0.200	--	1.34	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.613	0.200	--	2.51	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	3.72	0.500	--	15.2	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.21	0.200	--	4.56	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	3.10	0.200	--	21.0	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.689	0.200	--	2.99	0.869	--		1

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

SAMPLE RESULTS

Lab ID: L2473320-01
Client ID: MP01_121224
Sample Location: BROOKLYN, NY

Date Collected: 12/12/24 12:56
Date Received: 12/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.38	0.400	--	10.3	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.847	0.200	--	3.68	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.721	0.200	--	3.54	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	105		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	98		60-140

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

SAMPLE RESULTS

Lab ID: L2473320-02
Client ID: MP02_121224
Sample Location: BROOKLYN, NY

Date Collected: 12/12/24 12:57
Date Received: 12/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/23/24 06:21
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.530	0.200	--	2.62	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.57	1.00	--	18.0	2.38	--		1
Trichlorofluoromethane	0.661	0.200	--	3.71	1.12	--		1
Isopropanol	1.02	1.00	--	2.51	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	10.1	0.500	--	29.8	1.47	--		1
cis-1,2-Dichloroethene	0.398	0.200	--	1.58	0.793	--		1

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

SAMPLE RESULTS

Lab ID: L2473320-02
Client ID: MP02_121224
Sample Location: BROOKLYN, NY

Date Collected: 12/12/24 12:57
Date Received: 12/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	1.25	0.500	--	4.50	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	82.6	0.500	--	244	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.375	0.200	--	1.32	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.221	0.200	--	1.19	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	1.02	0.200	--	4.18	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.446	0.200	--	1.68	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	16.8	0.200	--	114	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

SAMPLE RESULTS

Lab ID: L2473320-02
Client ID: MP02_121224
Sample Location: BROOKLYN, NY

Date Collected: 12/12/24 12:57
Date Received: 12/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	106		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	99		60-140

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

SAMPLE RESULTS

Lab ID: L2473320-03
Client ID: MP03_121224
Sample Location: BROOKLYN, NY

Date Collected: 12/12/24 12:59
Date Received: 12/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/23/24 06:59
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.512	0.200	--	2.53	0.989	--		1
Chloromethane	0.425	0.200	--	0.878	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	31.0	5.00	--	58.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	9.20	1.00	--	21.9	2.38	--		1
Trichlorofluoromethane	0.456	0.200	--	2.56	1.12	--		1
Isopropanol	5.04	1.00	--	12.4	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.850	0.200	--	2.65	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	5.44	0.500	--	16.0	1.47	--		1
cis-1,2-Dichloroethene	0.443	0.200	--	1.76	0.793	--		1

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

SAMPLE RESULTS

Lab ID: L2473320-03
Client ID: MP03_121224
Sample Location: BROOKLYN, NY

Date Collected: 12/12/24 12:59
Date Received: 12/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	17.7	0.500	--	52.2	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.428	0.200	--	1.51	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.815	0.200	--	2.60	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.625	0.200	--	2.56	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	4.42	0.500	--	18.1	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.84	0.200	--	6.93	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	2.33	0.200	--	15.8	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.861	0.200	--	3.74	0.869	--		1

Project Name: 720 NOSTRAND AVE
Project Number: 170527801
Lab Number: L2473320
Report Date: 12/24/24

SAMPLE RESULTS

Lab ID: L2473320-03
Client ID: MP03_121224
Sample Location: BROOKLYN, NY

Date Collected: 12/12/24 12:59
Date Received: 12/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.89	0.400	--	12.6	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.01	0.200	--	4.39	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.763	0.200	--	3.75	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	106		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	99		60-140

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

SAMPLE RESULTS

Lab ID: L2473320-04
Client ID: MP04_121224
Sample Location: BROOKLYN, NY

Date Collected: 12/12/24 13:00
Date Received: 12/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/23/24 07:37
Analyst: KJD

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.520	0.200	--	2.57	0.989	--		1
Chloromethane	0.670	0.200	--	1.38	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	22.1	5.00	--	41.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.73	1.00	--	6.49	2.38	--		1
Trichlorofluoromethane	0.522	0.200	--	2.93	1.12	--		1
Isopropanol	2.02	1.00	--	4.97	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.36	0.200	--	4.24	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.643	0.500	--	1.90	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

SAMPLE RESULTS

Lab ID: L2473320-04
Client ID: MP04_121224
Sample Location: BROOKLYN, NY

Date Collected: 12/12/24 13:00
Date Received: 12/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	16.0	0.500	--	47.2	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.422	0.200	--	1.49	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.386	0.200	--	1.23	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	1.09	0.200	--	4.47	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	3.88	0.500	--	15.9	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.25	0.200	--	4.71	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	3.08	0.200	--	20.9	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.762	0.200	--	3.31	0.869	--		1

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

SAMPLE RESULTS

Lab ID: L2473320-04
Client ID: MP04_121224
Sample Location: BROOKLYN, NY

Date Collected: 12/12/24 13:00
Date Received: 12/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.71	0.400	--	11.8	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.992	0.200	--	4.31	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.200	0.200	--	0.983	0.983	--		1
1,2,4-Trimethylbenzene	0.854	0.200	--	4.20	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	106		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	99		60-140

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

SAMPLE RESULTS

Lab ID: L2473320-05
Client ID: EA01_121224
Sample Location: BROOKLYN, NY

Date Collected: 12/12/24 14:40
Date Received: 12/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/23/24 08:16
Analyst: KJD

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.551	0.200	--	2.72	0.989	--		1
Chloromethane	0.336	0.200	--	0.694	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	0.284	0.200	--	0.726	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	413	5.00	--	778	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	31.8	1.00	--	75.5	2.38	--		1
Trichlorofluoromethane	3.65	0.200	--	20.5	1.12	--		1
Isopropanol	116	1.00	--	285	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.624	0.500	--	1.89	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.613	0.500	--	1.81	1.47	--		1
cis-1,2-Dichloroethene	26.2	0.200	--	104	0.793	--		1

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

SAMPLE RESULTS

Lab ID: L2473320-05
Client ID: EA01_121224
Sample Location: BROOKLYN, NY

Date Collected: 12/12/24 14:40
Date Received: 12/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.711	0.200	--	3.47	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.211	0.200	--	0.674	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	1.85	0.200	--	9.94	1.07	--		1
2,2,4-Trimethylpentane	0.229	0.200	--	1.07	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.408	0.200	--	1.54	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	20.4	0.200	--	138	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

SAMPLE RESULTS

Lab ID: L2473320-05
Client ID: EA01_121224
Sample Location: BROOKLYN, NY

Date Collected: 12/12/24 14:40
Date Received: 12/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	105		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	98		60-140

Project Name: 720 NOSTRAND AVE
Project Number: 170527801
Lab Number: L2473320
Report Date: 12/24/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/22/24 16:13

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG2012469-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	1.00	--	ND	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 720 NOSTRAND AVE
Project Number: 170527801
Lab Number: L2473320
Report Date: 12/24/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/22/24 16:13

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG2012469-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 720 NOSTRAND AVE
Project Number: 170527801
Lab Number: L2473320
Report Date: 12/24/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/22/24 16:13

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG2012469-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG2012469-3								
Dichlorodifluoromethane	98		-		70-130	-		
Chloromethane	81		-		70-130	-		
Freon-114	100		-		70-130	-		
Vinyl chloride	101		-		70-130	-		
1,3-Butadiene	98		-		70-130	-		
Bromomethane	104		-		70-130	-		
Chloroethane	102		-		70-130	-		
Ethanol	109		-		40-160	-		
Vinyl bromide	93		-		70-130	-		
Acetone	94		-		40-160	-		
Trichlorofluoromethane	94		-		70-130	-		
Isopropanol	86		-		40-160	-		
1,1-Dichloroethene	101		-		70-130	-		
Tertiary butyl Alcohol	106		-		70-130	-		
Methylene chloride	105		-		70-130	-		
3-Chloropropene	97		-		70-130	-		
Carbon disulfide	99		-		70-130	-		
Freon-113	96		-		70-130	-		
trans-1,2-Dichloroethene	98		-		70-130	-		
1,1-Dichloroethane	95		-		70-130	-		
Methyl tert butyl ether	100		-		70-130	-		
2-Butanone	89		-		70-130	-		
cis-1,2-Dichloroethene	100		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG2012469-3								
Ethyl Acetate	107		-		70-130	-		
Chloroform	106		-		70-130	-		
Tetrahydrofuran	89		-		70-130	-		
1,2-Dichloroethane	90		-		70-130	-		
n-Hexane	112		-		70-130	-		
1,1,1-Trichloroethane	93		-		70-130	-		
Benzene	102		-		70-130	-		
Carbon tetrachloride	107		-		70-130	-		
Cyclohexane	116		-		70-130	-		
1,2-Dichloropropane	94		-		70-130	-		
Bromodichloromethane	117		-		70-130	-		
1,4-Dioxane	111		-		70-130	-		
Trichloroethene	95		-		70-130	-		
2,2,4-Trimethylpentane	113		-		70-130	-		
Heptane	94		-		70-130	-		
cis-1,3-Dichloropropene	111		-		70-130	-		
4-Methyl-2-pentanone	95		-		70-130	-		
trans-1,3-Dichloropropene	118		-		70-130	-		
1,1,2-Trichloroethane	94		-		70-130	-		
Toluene	94		-		70-130	-		
2-Hexanone	89		-		70-130	-		
Dibromochloromethane	111		-		70-130	-		
1,2-Dibromoethane	98		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG2012469-3								
Tetrachloroethene	94		-		70-130	-		
Chlorobenzene	99		-		70-130	-		
Ethylbenzene	94		-		70-130	-		
p/m-Xylene	96		-		70-130	-		
Bromoform	116		-		70-130	-		
Styrene	101		-		70-130	-		
1,1,2,2-Tetrachloroethane	111		-		70-130	-		
o-Xylene	96		-		70-130	-		
4-Ethyltoluene	104		-		70-130	-		
1,3,5-Trimethylbenzene	104		-		70-130	-		
1,2,4-Trimethylbenzene	105		-		70-130	-		
Benzyl chloride	114		-		70-130	-		
1,3-Dichlorobenzene	101		-		70-130	-		
1,4-Dichlorobenzene	103		-		70-130	-		
1,2-Dichlorobenzene	100		-		70-130	-		
1,2,4-Trichlorobenzene	106		-		70-130	-		
Naphthalene	111		-		70-130	-		
Hexachlorobutadiene	100		-		70-130	-		

Project Name: 720 NOSTRAND AVE

Lab Number: L2473320

Project Number: 170527801

Report Date: 12/24/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt	Flow Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2473320-01	MP01_121224	01763	Flow 3	12/12/24	497686		-	-	-	Pass	39.8	41.4	4
L2473320-01	MP01_121224	1036	6.0L Can	12/12/24	498413	L2469932-10	Pass	-30.3	-4.3	-	-	-	-
L2473320-02	MP02_121224	0904	Flow 3	12/12/24	497686		-	-	-	Pass	40.4	71	55
L2473320-02	MP02_121224	3385	6.0L Can	12/12/24	498413	L2469932-10	Pass	-30.2	-3.4	-	-	-	-
L2473320-03	MP03_121224	01671	Flow 4	12/12/24	497686		-	-	-	Pass	40.4	39.2	3
L2473320-03	MP03_121224	3585	6.0L Can	12/12/24	498413	L2447900-07	Pass	-29.2	-4.1	-	-	-	-
L2473320-04	MP04_121224	01400	Flow 3	12/12/24	497686		-	-	-	Pass	40.3	42.0	4
L2473320-04	MP04_121224	780	6.0L Can	12/12/24	498413	L2433987-02	Pass	-29.6	-5.0	-	-	-	-
L2473320-05	EA01_121224	02532	SV200	12/12/24	498413		-	-	-	Pass	219	225	3
L2473320-05	EA01_121224	2587	6.0L Can	12/12/24	498413	L2449288-05	Pass	-29.7	-3.8	-	-	-	-
L2473320-06	UNUSED CAN 941	0644	Flow 1	12/12/24	498413		-	-	-	Pass	160	156	3
L2473320-06	UNUSED CAN 941	941	6.0L Can	12/12/24	498413	L2447900-07	Pass	-29.1	-29.1	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2433987
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2433987-02
Client ID: CAN 4262 SHELF 52
Sample Location:

Date Collected: 06/15/24 12:00
Date Received: 06/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/18/24 20:14
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2433987
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2433987-02
Client ID: CAN 4262 SHELF 52
Sample Location:

Date Collected: 06/15/24 12:00
Date Received: 06/17/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2433987
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2433987-02
Client ID: CAN 4262 SHELF 52
Sample Location:

Date Collected: 06/15/24 12:00
Date Received: 06/17/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2433987
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2433987-02
Client ID: CAN 4262 SHELF 52
Sample Location:

Date Collected: 06/15/24 12:00
Date Received: 06/17/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2433987
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2433987-02
Client ID: CAN 4262 SHELF 52
Sample Location:

Date Collected: 06/15/24 12:00
Date Received: 06/17/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.8	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	95		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2433987

Project Number: CANISTER QC BAT **Report Date:** 12/24/24

Air Canister Certification Results

Lab ID: L2433987-02
Client ID: CAN 4262 SHELF 52
Sample Location:

Date Collected: 06/15/24 12:00
Date Received: 06/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/18/24 20:14
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2433987
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2433987-02
Client ID: CAN 4262 SHELF 52
Sample Location:

Date Collected: 06/15/24 12:00
Date Received: 06/17/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2433987
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2433987-02
Client ID: CAN 4262 SHELF 52
Sample Location:

Date Collected: 06/15/24 12:00
Date Received: 06/17/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2447900
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2447900-07
Client ID: CAN 2069 SHELF 37
Sample Location:

Date Collected: 08/22/24 12:00
Date Received: 08/22/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/23/24 02:03
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2447900
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2447900-07
Client ID: CAN 2069 SHELF 37
Sample Location:

Date Collected: 08/22/24 12:00
Date Received: 08/22/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2447900
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2447900-07
Client ID: CAN 2069 SHELF 37
Sample Location:

Date Collected: 08/22/24 12:00
Date Received: 08/22/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2447900
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2447900-07
Client ID: CAN 2069 SHELF 37
Sample Location:

Date Collected: 08/22/24 12:00
Date Received: 08/22/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2447900

Project Number: CANISTER QC BAT **Report Date:** 12/24/24

Air Canister Certification Results

Lab ID: L2447900-07
Client ID: CAN 2069 SHELF 37
Sample Location:

Date Collected: 08/22/24 12:00
Date Received: 08/22/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	83		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2447900
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2447900-07
Client ID: CAN 2069 SHELF 37
Sample Location:

Date Collected: 08/22/24 12:00
Date Received: 08/22/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/23/24 02:03
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2447900
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2447900-07
Client ID: CAN 2069 SHELF 37
Sample Location:

Date Collected: 08/22/24 12:00
Date Received: 08/22/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2447900
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2447900-07
Client ID: CAN 2069 SHELF 37
Sample Location:

Date Collected: 08/22/24 12:00
Date Received: 08/22/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	86		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2449288
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2449288-05
Client ID: CAN 1659 SHELF 53
Sample Location:

Date Collected: 08/28/24 16:00
Date Received: 08/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/29/24 20:50
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2449288
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2449288-05
Client ID: CAN 1659 SHELF 53
Sample Location:

Date Collected: 08/28/24 16:00
Date Received: 08/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2449288
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2449288-05
Client ID: CAN 1659 SHELF 53
Sample Location:

Date Collected: 08/28/24 16:00
Date Received: 08/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2449288
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2449288-05
Client ID: CAN 1659 SHELF 53
Sample Location:

Date Collected: 08/28/24 16:00
Date Received: 08/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2449288
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2449288-05
Client ID: CAN 1659 SHELF 53
Sample Location:

Date Collected: 08/28/24 16:00
Date Received: 08/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	82		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2449288
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2449288-05
Client ID: CAN 1659 SHELF 53
Sample Location:

Date Collected: 08/28/24 16:00
Date Received: 08/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/29/24 20:50
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2449288
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2449288-05
Client ID: CAN 1659 SHELF 53
Sample Location:

Date Collected: 08/28/24 16:00
Date Received: 08/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2449288
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2449288-05
Client ID: CAN 1659 SHELF 53
Sample Location:

Date Collected: 08/28/24 16:00
Date Received: 08/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	105		60-140
chlorobenzene-d5	83		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2449288
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2449288-05
Client ID: CAN 1659 SHELF 53
Sample Location:

Date Collected: 08/28/24 16:00
Date Received: 08/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/30/24 19:22
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	96		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	95		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469932
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2469932-10
Client ID: CAN 2617 SHELF 53
Sample Location:

Date Collected: 11/27/24 11:00
Date Received: 11/27/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/28/24 03:10
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469932
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2469932-10
Client ID: CAN 2617 SHELF 53
Sample Location:

Date Collected: 11/27/24 11:00
Date Received: 11/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2469932
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2469932-10
Client ID: CAN 2617 SHELF 53
Sample Location:

Date Collected: 11/27/24 11:00
Date Received: 11/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469932
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2469932-10
Client ID: CAN 2617 SHELF 53
Sample Location:

Date Collected: 11/27/24 11:00
Date Received: 11/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469932
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2469932-10
Client ID: CAN 2617 SHELF 53
Sample Location:

Date Collected: 11/27/24 11:00
Date Received: 11/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469932
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2469932-10
Client ID: CAN 2617 SHELF 53
Sample Location:

Date Collected: 11/27/24 11:00
Date Received: 11/27/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/28/24 03:10
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469932
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2469932-10
Client ID: CAN 2617 SHELF 53
Sample Location:

Date Collected: 11/27/24 11:00
Date Received: 11/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469932
Report Date: 12/24/24

Air Canister Certification Results

Lab ID: L2469932-10
Client ID: CAN 2617 SHELF 53
Sample Location:

Date Collected: 11/27/24 11:00
Date Received: 11/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	91		60-140

Project Name: 720 NOSTRAND AVE
Project Number: 170527801

Lab Number: L2473320
Report Date: 12/24/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2473320-01A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473320-02A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473320-03A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473320-04A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473320-05A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473320-06A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	720 NOSTRAND AVE	**Lab Number:**	L2473320
Project Number:	170527801	**Report Date:**	12/24/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	720 NOSTRAND AVE	**Lab Number:**	L2473320
Project Number:	170527801	**Report Date:**	12/24/24

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	720 NOSTRAND AVE	**Lab Number:**	L2473320
Project Number:	170527801	**Report Date:**	12/24/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name: 720 NOSTRAND AVE
Project Number: 170527801
Lab Number: L2473320
Report Date: 12/24/24

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL
CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 12-13-24

ALPHA Job #: L2473320

Client Information

Client: Langan
Address: 360 West 31st Street 8th Floor, NY, New York
Phone: 212-479-5499
Fax:
Email: BKoontz@langan

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 720 Nostrand Ave
Project Location: Brooklyn, NY
Project #: 170527801
Project Manager: Brad Koontz
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☑ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH Subset Non-petroleum HCs	Fixed Gases	Sulfides & Mercaptans by TO-15	☐	Sample Comments (i.e. PID)
73320 -01	MP01_121224	12-12-24	10:56	12:56	-29.82	-4.66	SV	SM	6L	1036	01763	X						
-02	MP02_121224	↓	10:57	12:57	-30.15	-3.16	↓	↓	↓	3385	01704	X						
-03	MP03_121224	↓	10:59	12:59	-30.15	-4.65	↓	↓	↓	3585	01671	X						
-04	MP04_121224	↓	11:00	13:00	-30.21	-4.84	↓	↓	↓	780	01400	X						
-05	EA01_121224	↓	14:25	14:40	-29.76	-4.38	other	↓	↓	2587	02532	X						other = effluent air

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
[illegible]	12-12-24 18:55	COURIER	12-12-24 18:59
COURIER	12-12-24 20:45	Anthony Green	DEC 12 2024 2153
Anthony Green	12/13/24 0155	[illegible]	12/13/24 0155
[illegible]	12/13/24 0628	[illegible]	12-13-24 0620