PERIODIC REVIEW REPORT #3

(Reporting Period: 13 December 2022 to 13 December 2023)

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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360 West 31st Street, 8th Floor
New York, New York 10001

5 March 2024
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.	03/05/2024 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 2022 to 13 December 2023. 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 38,370 hours since startup with an uptime percentage of 99.3%.

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 through 13 December 2023. 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 38,370 hours since startup with an uptime percentage of 99.3%.

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 (29 November 2023).

3.2 Composite Cover System Monitoring

On 29 November 2023, 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 November 29, 2023, 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
11/29/2023	-4.305	-0.302	-0.098	-0.021

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 38,370 hours since startup with an uptime percentage of 99.3%.

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 29 November 2023, Langan collected an SVE system effluent air sample, upstream of the blower, to assess system performance and document compliance with the NYSDEC Policy Division of Air Resources (DAR)-1: Guidelines for the Control of Toxic Ambient Air Contaminants. The effluent air sample was collected over a period of 30 minutes into laboratory-supplied 6-liter Summa canisters and analyzed for VOCs via United States Environmental Protection Agency (USEPA) Method TO-15 York Analytical Laboratories, Inc (York), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory in Richmond Hill, New York.

On 29 November 2023, 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 York.

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

Data Validation

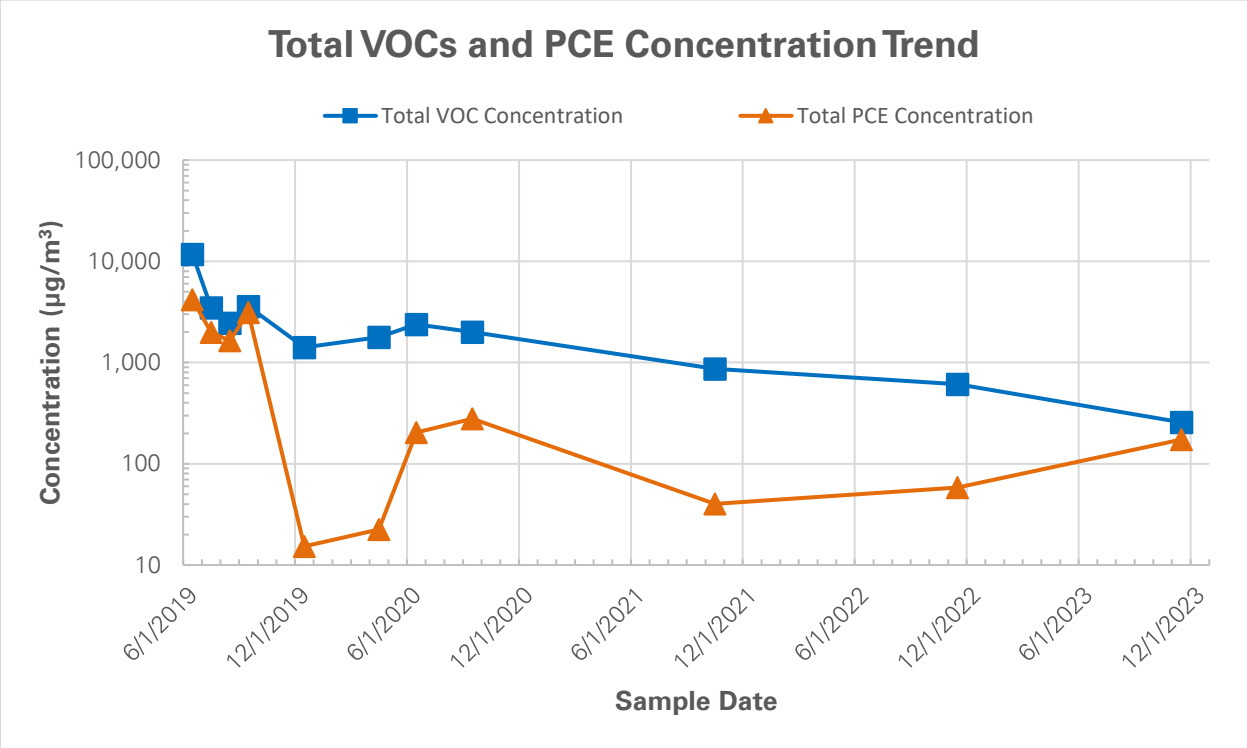
Soil vapor sample analytical results from the 23 November 2023 inspection were validated by a Langan validator in accordance with USEPA and NYSDEC validation protocols. Validated data was submitted electronically to the NYSDEC EQuIS database and forwarded to the NYSDEC Project Manager in accordance with the requirements of the SMP on 27 December 2023. 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

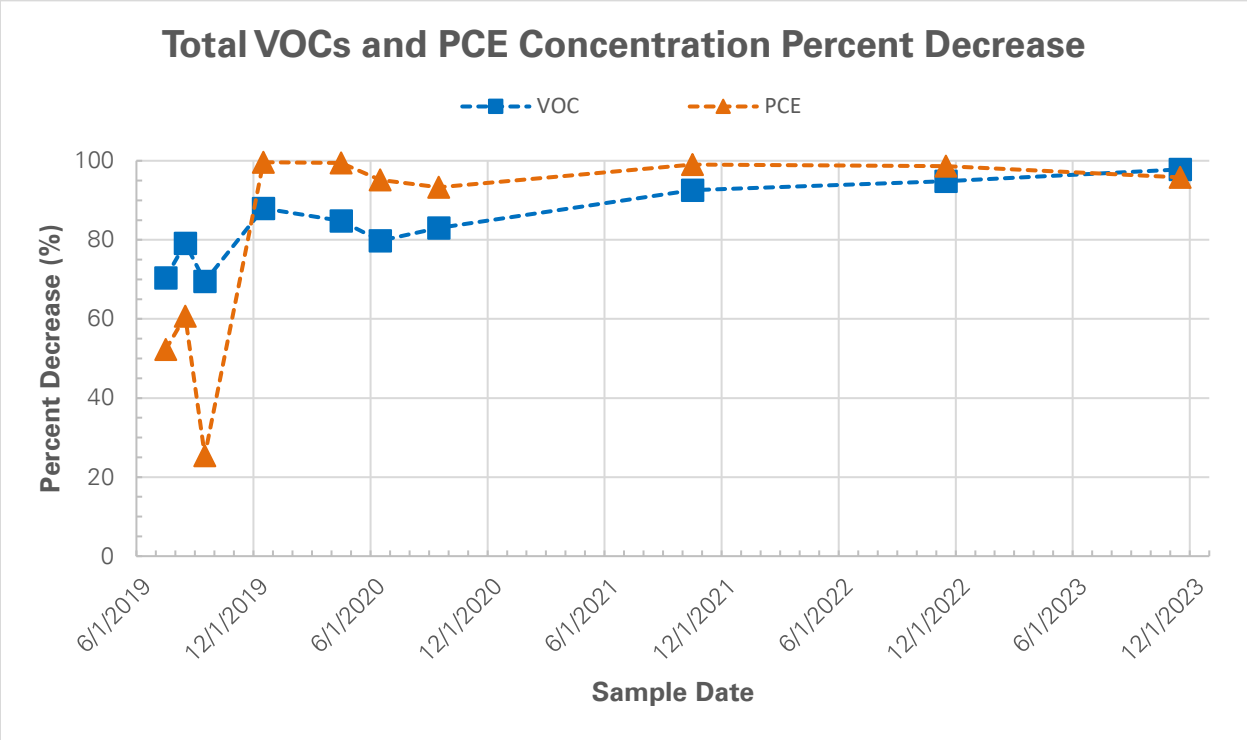
3.4.1 Effluent Air

Analytical results document a reduction in effluent air concentrations for total VOCs, and tetrachloroethene (PCE). Total VOC concentrations decreased from 11,748 micrograms per cubic meter (µg/m³) in June 2019 to 257 µg/m³ in November 2023. PCE concentrations decreased from 4,170 µg/m³ in June 2019 to 174 µg/m³ in November 2023. Total VOC and PCE concentrations are plotted on the following graph:



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

Total VOC and PCE concentrations detected in November 2023 decreased by 97.8% and 95.8%, respectively, when compared to the June 2019 baseline event. Percent decreases of total VOC and PCE concentrations are plotted on the following graph:



Effluent air sample results were compared to the DAR-1 Annual Guideline Concentration (AGC) and Short-term Guideline Concentration (SGC), and are summarized in Table 1. Detected concentrations did not exceed the AGCs or SGCs for either sampling event, 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 November 2023 inspection is included in Appendix G.

3.4.2 Soil Vapor

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

Monitoring Point ID	December 2019 PCE Concentration ($\mu g/m^3$)	October 2021 PCE Concentration ($\mu g/m^3$)	November 2022 PCE Concentration ($\mu g/m^3$)	November 2023 PCE Concentration ($\mu g/m^3$)
MP-01	10.1	2.77	7.26	60.7
MP-02	34.7	4.83	88.8	201
MP-03	20.9	2.85	7.05	50.6
MP-04	Not Detected	6.58	5.85	38.3

Soil vapor analytical results for the December 2019, October 2021, November 2022, and November 2023 sample events are presented in Table 2. The analytical laboratory report for soil vapor samples collected during the November 2023 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 29 November 2023 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 2022 to 13 December 2023 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.

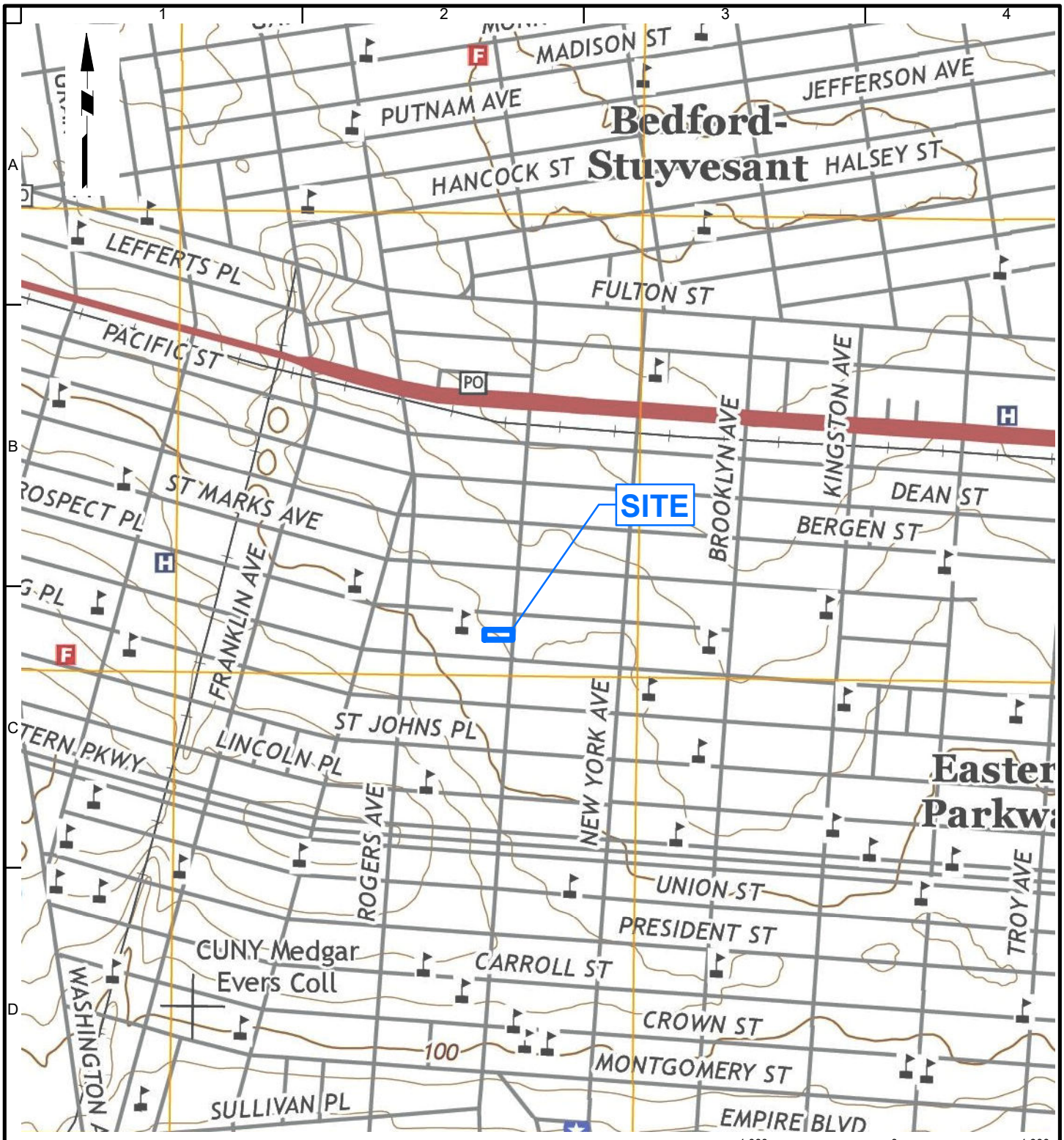
Based on future analytical results and system performance, Langan may request reduction in inspection frequency with NYSDEC and NYSDOH approval.

6.0 CERTIFICATION OF IC/ECS

6.1 IC/EC Certification Form

The completed IC/EC Certification Form is presented in Appendix D. Documentation of revised as-built drawing submission to the New York City Department of Buildings (NYCDOB) during the certification period is attached to the IC/EC Certification Form. The revised as-built drawings document renovations to the property completed in 2017. The scope of work included relocation of the stairs between the cellar and first floor, renovation of the second floor, addition of a horizontal extension at the rear of building on the second floor, and addition of a third floor.

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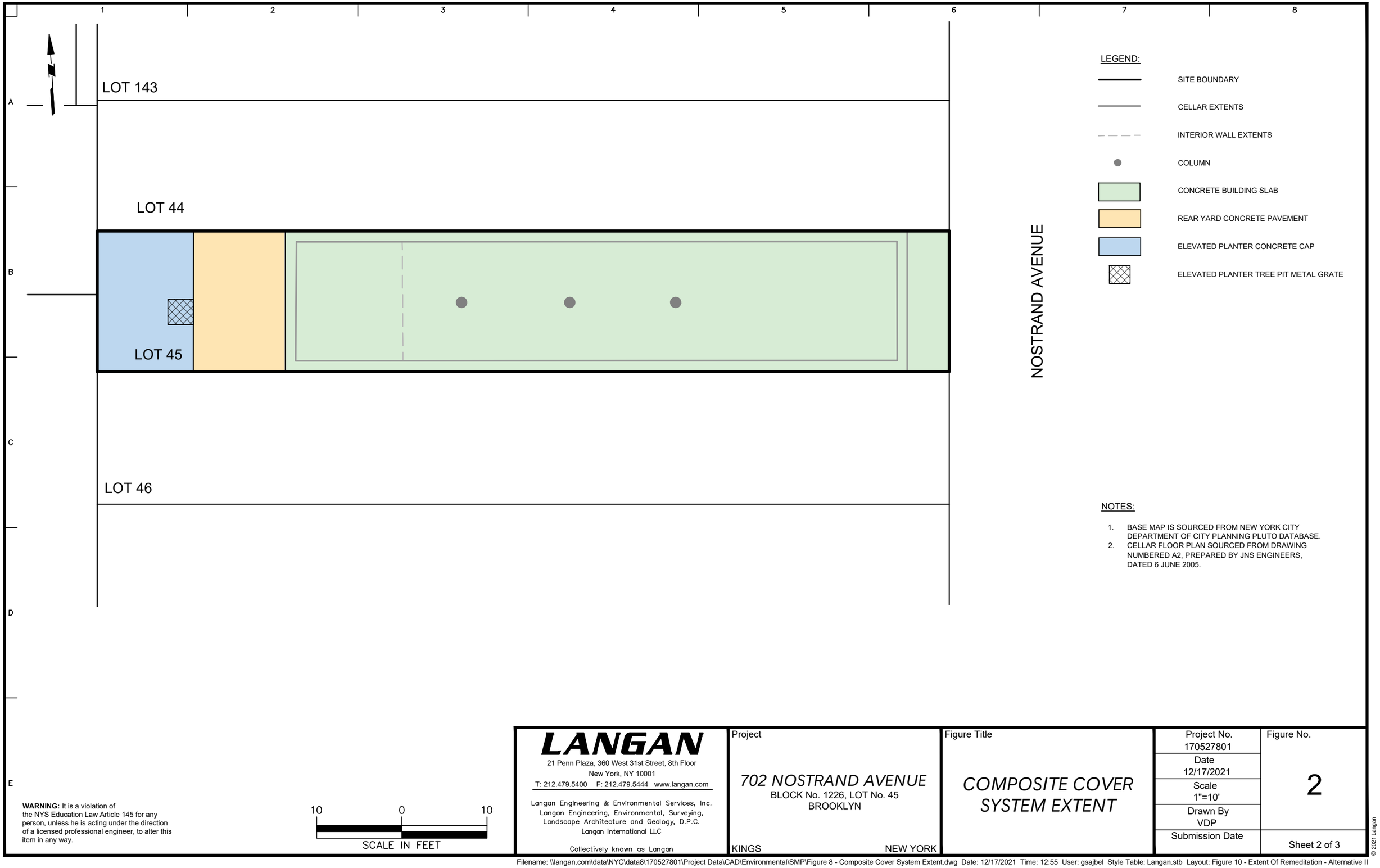
Project	702 NOSTRAND AVENUE BLOCK No. 1226, LOT No. 45 BROOKLYN KINGS NEW YORK
Figure Title	SITE LOCATION MAP
Project No.	170527801
Figure No.	1
Date	12/17/2021
Scale	1"=1,000'
Drawn By	VDP
Submission Date	
	Sheet 1 of 3



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.

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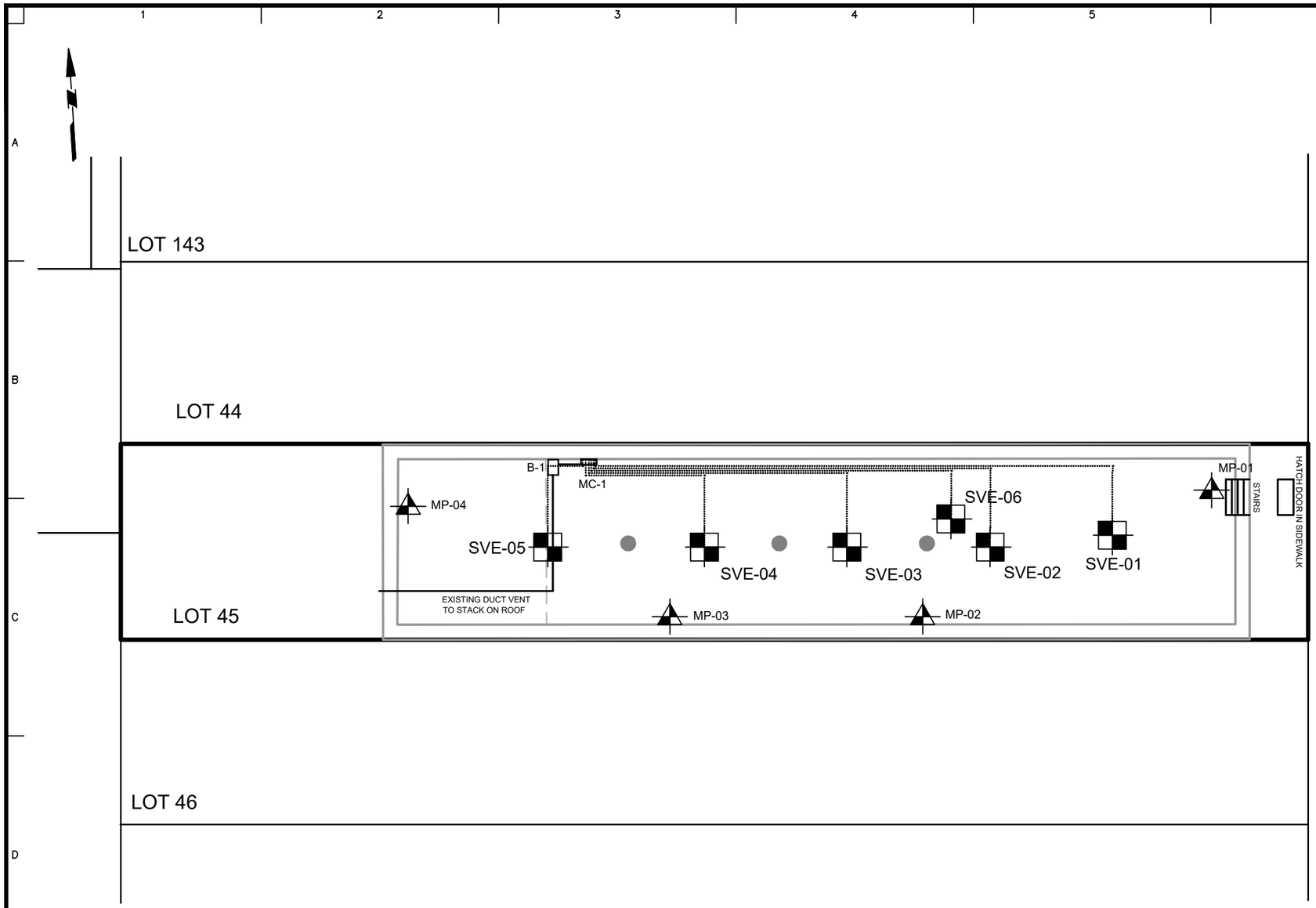
Project
702 NOSTRAND AVENUE
BLOCK No. 1226, LOT No. 45
BROOKLYN
KINGS NEW YORK

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 ~~O~~5,000 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.	170527801
Date	12/17/2021
Scale	1"=10'
Drawn By	VDP
Submission Date	
Figure No.	3
	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
Periodic Review Report
Effluent Air Sample Analytical Results Summary

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

VOLATILE ORGANIC COMPOUND	CAS NO.	EFFLUENT AIR CONCENTRATION ($\mu g/m^3$)	EFFLUENT AIR FLOW RATE (m^3/min)	HOURLY EMISSION RATE (Q_p) (lb/hr)	YEARLY EMISSION RATE (Q_a) (lb/yr)	MAXIMUM POTENTIAL IMPACT CONCENTRATION (C_p) ($\mu g/m^3$)	MAXIMUM ANNUAL IMPACT CONCENTRATION (C_a) ($\mu g/m^3$)	MAXIMUM SHORT-TERM IMPACT CONCENTRATION (C_{st}) ($\mu g/m^3$)	DAR-1 SGC ($\mu g/m^3$)	DAR-1 AGC ($\mu g/m^3$)	EMISSION RESTRICTION REQUIRED	C_{st} ABOVE DAR-1 SGC	C_{st} ABOVE DAR-1 AGC
1,2,4-Trimethylbenzene	95-63-6	1.98	3.32	0.0000009	0.008	0.000013	0.000013	0.0008	~	60	NO	~	NO
2-Butanone	78-93-3	0.63	3.32	0.0000003	0.002	0.000004	0.000004	0.0003	13,000	5,000	NO	NO	NO
Acetone	67-64-1	12.3	3.32	0.0000054	0.047	0.000079	0.000079	0.0051	180,000	30,000	NO	NO	NO
Benzene	71-43-2	1.65	3.32	0.0000007	0.006	0.000011	0.000011	0.0007	27	0.13	NO	NO	NO
Carbon Tetrachloride	56-23-5	0.448	3.32	0.0000002	0.002	0.000003	0.000003	0.0002	1,900	0.17	NO	NO	NO
Chloromethane	74-87-3	1.21	3.32	0.0000005	0.005	0.000008	0.000008	0.0005	22,000	90	NO	NO	NO
cis-1,2-Dichloroethene	156-59-2	0.494	3.32	0.0000002	0.002	0.000003	0.000003	0.0002	~	63	NO	~	NO
Dichlorodifluoromethane	75-71-8	21.3	3.32	0.0000093	0.082	0.000137	0.000137	0.0089	~	12,000	NO	~	NO
iso-Propyl Alcohol	67-63-0	32.9	3.32	0.0000144	0.126	0.000211	0.000211	0.0137	98,000	7,000	NO	NO	NO
n-Hexane	110-54-3	1.88	3.32	0.0000008	0.007	0.000012	0.000012	0.0008	~	700	NO	~	NO
Propylene	115-07-1	1.38	3.32	0.0000006	0.005	0.000009	0.000009	0.0006	~	3,000	NO	~	NO
p/m-Xylene	179601-23-1	1.7	3.32	0.0000007	0.007	0.000011	0.000011	0.0007	22,000	100	NO	NO	NO
Tetrachloroethene	127-18-4	174	3.32	0.0000762	0.668	0.001116	0.001117	0.0725	300	3.8	NO	NO	NO
Toluene	108-88-3	2.48	3.32	0.0000011	0.010	0.000016	0.000016	0.0010	37,000	5,000	NO	NO	NO
Trichloroethene	79-01-6	0.479	3.32	0.0000002	0.002	0.000003	0.000003	0.0002	20	0.21	NO	NO	NO
Trichlorofluoromethane	75-69-4	1.7	3.32	0.0000007	0.007	0.000011	0.000011	0.0007	9,000	5,000	NO	NO	NO
Xylenes, Total	1330-20-7	1.7	3.32	0.0000007	0.0065	0.000011	0.000011	0.00071	22,000	100	NO	NO	NO

Notes:
1. Concentrations shown represent effluent air sample collected on 29 November 2023 (Sample ID: EA01_112923, Laboratory Sample ID: 23K1783-01)
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. All equations are referenced in NYSDEC, Division of Air Resources, Air Guide 1, Guidelines for the Control of Toxic Ambient Air Contaminants (11/12/97). Standard Point Source Method calculations were used.
6. Values in table are compared to DAR-1 Annual Guideline Concentrations (AGC)/Short-Term Guideline Concentrations (SGC) Tables dated February 12, 2021.
7. DAR-1 AGC and/or SGC values listed as "~" means there is no AGC or SGC standard for that compound.
8. Effluent air flow rate calculated based on the blower flowrate, recorded from the control panel.
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	MP02	MP02	MP02	MP02	MP03	MP03	MP03	MP03	MP04	MP04	MP04	MP04
			Sample Name	SV-MP-1_121819	MP01_100621	MP01_110422	MP01_112923	SV-MP-2_121819	MP02_100621	MP02_110422	MP02_112923	SV-MP-3_121819	MP03_100621	MP03_110422	MP03_112923	SV-MP-4_121819	MP04_100621	MP04_110422	MP04_112923
			Sample Date	12/18/2019	10/06/2021	11/04/2022	11/29/2023	12/18/2019	10/06/2021	11/04/2022	11/29/2023	12/18/2019	10/06/2021	11/04/2022	11/29/2023	12/18/2019	10/06/2021	11/04/2022	11/29/2023
			Sample Type	SV	SV	SV	SV	SV	SV	SV	SV	SV	SV	SV	SV	SV	SV	SV	SV
			Unit	Result	Result	Result	Result	Result	Result	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	<2.26 U	NA	NA	NA	<1.28 U	NA	NA	NA	<1.06 U
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	<2.18 U	<2.6 U	<1.79 U	<1.09 U	<1.09 U	<1.09 U	<1.02 U	<1.09 U	<1.56 U	<1.09 U	<0.841 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	<2.75 U	<3.27 U	<2.26 U	<1.37 U	<1.37 U	<1.37 U	<1.28 U	<1.37 U	<1.96 U	<1.37 U	<1.06 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	<3.07 U	<3.65 U	<2.52 U	<1.53 U	<1.53 U	<1.53 U	<1.43 U	<1.53 U	<2.19 U	<1.53 U	<1.18 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	<2.18 U	<2.6 U	<1.79 U	<1.09 U	<1.09 U	<1.09 U	<1.02 U	<1.09 U	<1.56 U	<1.09 U	<0.841 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	<1.62 U	<1.93 U	<1.33 U	<0.809 U	<0.809 U	<0.809 U	<0.756 U	<0.809 U	<1.16 U	<0.809 U	<0.624 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	<1.59 U	<1.89 U	<0.651 U	<0.793 U	<0.793 U	<0.793 U	<0.371 U	<0.793 U	<1.13 U	<0.793 U	<0.305 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	<2.97 U	<3.53 U	<2.44 U	<1.48 U	<1.48 U	<1.48 U	<1.39 U	<1.48 U	<2.12 U	<1.48 U	<1.14 U
1,2,4-Trimethylbenzene	95-63-6	NS	ug/m3	2.08	1.92	1.27	3.92 D	5.6	<1.97 U	<2.34 U	<1.62 U	3.44	1.71	1.48	4.41 D	3.41	<1.41 U	8.06	4.17 D
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	<3.07 U	<3.66 U	<2.52 U	<1.54 U	<1.54 U	<1.54 U	<1.44 U	<1.54 U	<2.2 U	<1.54 U	<1.18 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	<2.4 U	<2.86 U	<1.98 U	<1.2 U	<1.2 U	<1.2 U	<1.12 U	<1.2 U	<1.72 U	<1.2 U	<0.926 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	<1.62 U	<1.93 U	<1.33 U	<0.809 U	<0.809 U	<0.809 U	<0.756 U	<0.809 U	<1.16 U	<0.809 U	<0.624 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	<1.85 U	<2.2 U	<1.52 U	<0.924 U	<0.924 U	<0.924 U	<0.864 U	<0.924 U	<1.32 U	<0.924 U	<0.712 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	<2.8 U	<3.33 U	<2.3 U	<1.4 U	<1.4 U	<1.4 U	<1.31 U	<1.4 U	<2 U	<1.4 U	<1.08 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NS	ug/m3	<0.983 U	<0.983 U	<0.983 U	0.88 D	1.5	<1.97 U	<2.34 U	<1.62 U	<0.983 U	<0.983 U	<0.983 U	1.1 D	<0.983 U	<1.41 U	5.56	0.985 D
1,3-Butadiene	106-99-0	NS	ug/m3	<0.442 U	<0.442 U	<0.442 U	<1.08 U	<0.442 U	<0.885 U	<1.05 U	<2.18 U	<0.442 U	<0.442 U	<0.442 U	<1.24 U	<0.442 U	<0.633 U	<0.442 U	<1.02 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	<2.4 U	<2.86 U	<1.98 U	<1.2 U	<1.2 U	<1.2 U	<1.12 U	<1.2 U	<1.72 U	<1.2 U	<0.926 U
1,3-Dichloropropane	142-28-9	NS	ug/m3	NA	NA	NA	<0.752 U	NA	NA	NA	<1.52 U	NA	NA	NA	<0.864 U	NA	NA	NA	<0.712 U
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<1.2 U	<1.2 U	<1.2 U	<0.978 U	<1.2 U	<2.4 U	<2.86 U	<1.98 U	<1.2 U	<1.2 U	1.36	<1.12 U	<1.2 U	<1.72 U	1.35	<0.926 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	<1.44 U	<1.72 U	<2.37 U	<0.721 U	<0.721 U	<0.721 U	<1.35 U	<0.721 U	<1.03 U	<0.721 U	<1.11 U
2,2,4-Trimethylpentane	540-84-1	NS	ug/m3	2.81	<0.934 U	<0.934 U	NA	5.89	<1.87 U	<2.22 U	NA	8.36	<0.934 U	0.939	NA	5.51	<1.34 U	2	NA
2-Hexanone (MBK)	591-78-6	NS	ug/m3	<0.82 U	<0.82 U	<0.82 U	<1.33 U	<0.82 U	<1.64 U	<1.95 U	<2.69 U	<0.82 U	<0.82 U	<0.82 U	<1.53 U	<0.82 U	<1.17 U	<0.82 U	<1.26 U
4-Ethyltoluene	622-96-8	NS	ug/m3	<0.983 U	<0.983 U	<0.983 U	2.88 D	1.32	<1.97 U	<2.34 U	<1.62 U	<0.983 U	<0.983 U	<0.983 U	4.59 D	<0.983 U	<1.41 U	1.96	4.09 D
Acetone	67-64-1	NS	ug/m3	122	127	59.9	61.4 D	80.8	141	76.3	22.4 D	94.1	49.9	56.5	29.2 D	120	50.1	18.1	15.1 D
Acrylonitrile	107-13-1	NS	ug/m3	NA	NA	NA	0.565 D	NA	NA	NA	<0.713 U	NA	NA	NA	1.99 D	NA	NA	NA	<0.334 U
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	<1.25 U	<1.49 U	<5.14 U	<0.626 U	<0.626 U	<0.626 U	<2.93 U	<0.626 U	<0.895 U	<0.626 U	<2.41 U
Benzene	71-43-2	NS	ug/m3	1.96	<0.639 U	1.2	0.832 D	2.44	<1.28 U	<1.52 U	<1.05 U	2.37	<0.639 U	1.59	1.07 D	3.87	<0.914 U	1.51	0.935 D
Benzyl Chloride	100-44-7	NS	ug/m3	<1.04 U	<1.04 U	<1.04 U	<0.842 U	<1.04 U	<2.07 U	<2.46 U	<1.7 U	<1.04 U	<1.04 U	<1.04 U	<0.968 U	<1.04 U	<1.48 U	<1.04 U	<0.798 U
Bromodichloromethane	75-27-4	NS	ug/m3	<1.34 U	<1.34 U	<1.34 U	<1.09 U	<1.34 U	<2.68 U	<3.19 U	<2.2 U	<1.34 U	<1.34 U	<1.34 U	<1.25 U	<1.34 U	<1.92 U	<1.34 U	<1.03 U
Bromoethene	593-60-2	NS	ug/m3	<0.874 U	<0.874 U	<0.874 U	<0.712 U	<0.874 U	<1.75 U	<2.08 U	<1.44 U	<0.874 U	<0.874 U	<0.874 U	<0.818 U	<0.874 U	<1.25 U	<0.874 U	<0.674 U
Bromoform	75-25-2	NS	ug/m3	<2.07 U	<2.07 U	<2.07 U	<1.68 UJ	<2.07 U	<4.14 U	<4.92 U	<3.4 UJ	<2.07 U	<2.07 U	<2.07 U	<1.93 UJ	<2.07 U	<2.96 U	<2.07 U	<1.59 UJ
Bromomethane	74-83-9	NS	ug/m3	<0.777 U	<0.777 U	<0.777 U	<0.632 U	<0.777 U	<1.55 U	<1.85 U	<1.28 U	<0.777 U	<0.777 U	<0.777 U	<0.726 U	<0.777 U	<1.11 U	<0.777 U	<0.598 U
Carbon Disulfide	75-15-0	NS	ug/m3	1.51	2.15	0.993	1.72 D	4.45	16.7	<1.48 U	<1.02 U	2.37	6.76	1.06	2.79 D	0.694	9.75	10.1	4.65 D
Carbon Tetrachloride	56-23-5	6	ug/m3	<1.26 U	<1.26 U	<1.26 U	0.512 J	<1.26 U	<2.52 U	<2.99 U	0.62 J	<1.26 U	<1.26 U	<1.26 U	0.588 J	<1.26 U	<1.8 U	<1.26 U	0.582 J
Chlorobenzene	108-90-7	NS	ug/m3	<0.921 U	<0.921 U	<0.921 U	<0.749 U	<0.921 U	<1.84 U	<2.19 U	<1.51 U	<0.921 U	<0.921 U	<0.921 U	<0.86 U	<0.921 U	<1.32 U	<0.921 U	<0.709 U
Chloroethane	75-00-3	NS	ug/m3	<0.528 U	<0.528 U	<0.528 U	<0.429 U	<0.528 U	<1.06 U	<1.26 U	<0.867 U	<0.528 U	<0.528 U	<0.528 U	<0.493 U	<0.528 U	<0.755 U	<0.528 U	<0.407 U
Chloroform	67-66-3	NS	ug/m3	1.13	2.31	1.68	6.12 D	1.32	4.24	<2.32 U	<1.6 U	1.23	3	1.86	1.46 D	<0.977 U	<1.4 U	<0.977 U	<0.752 U
Chloromethane	74-87-3	NS	ug/m3	0.698	0.907	0.874	0.504 D	1.51	1.73	<0.983 U	<0.679 U	2.35	2.71	0.84	0.502 D	0.63	3.92	3.2	1.72 D
Cis-1,2-Dichloroethene	156-59-2	6	ug/m3	1.13	<0.793 U	<0.793 U	2.77 D	2.66	<1.59 U	<1.89 U	0.782 D	1.11	<0.793 U	<0.793 U	1.93 D	<0.793 U	<1.13 U	<0.793 U	<0.305 U
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	<1.82 U	<2.16 U	<1.49 U	<0.908 U	<0.908 U	<0.908 U	<0.848 U	<0.908 U	<1.3 U	<0.908 U	<0.699 U
Cyclohexane	110-82-7	NS	ug/m3	5.3	<0.688 U	<0.688 U	<0.56 U	10.1	<1.38 U	<1.64 U	<1.13 U	9.4	<0.688 U	<0.688 U	<0.643 U	12.9	1.54	<0.688 U	<0.53 U
Dibromochloromethane	124-48-1	NS	ug/m3	<1.7 U	<1.7 U	<1.7 U	<1.39 U	<1.7 U	<3.41 U	<4.06 U	<2.8 U	<1.7 U	<1.7 U	<1.7 U	<1.59 U	<1.7 U	<2.44 U	<1.7 U	<1.31 U
Dichlorodifluoromethane	75-71-8	NS	ug/m3	2.24	1.95	2.85	3.46 D	2.29	<1.98 U	2.9	3.9 D	2.23	1.96	2.9	3.05 D	2.14	1.92	3.04	3.89 D
Ethanol	64-17-5	NS	ug/m3	101	89.7	113	NA	122	91	<22.4 U	NA	123	104	60.1	NA	155	106	27.3	NA
Ethyl Acetate	141-78-6	NS	ug/m3	2.19	<1.8 U	<1.8 U	3.05 D	2.6	<3.6 U	<4.29 U	<2.37 U	3.43	1.96	<1.8 U	4.18 D	4.36	<2.57 U	<1.8 U	3 D
Ethylbenzene	100-41-4	NS	ug/m3	2.68	9.25	3.83	2.47 D	4.78	7.43	<2.07 U	<1.43 U	5.69	9.95	1.36	3.25 D	4.47	<1.24 U	1.4	2.68 D
Hexachlorobutadiene	87-68-3	NS	ug/m3	<2.13 U	<2.13 U	<2.13 U	<1.74 U	<2.13 U	<4.27 U	<5.08 U	<3.5 U	<2.13 U	<2.13 U	<2.13 U	<1.99 U	<2.13 U	<3.05 U	<2.13 U	<1.64 U
Isopropanol	67-63-0	NS	ug/m3	113	54.6	32.4	26.4 D	35.4	78.9	7.33	6.7 D	14.9	60.5	17.2	28.3 D	20.8	489	9.54	27.2 D
M,P-Xylene	179601-23-1	NS	ug/m3	11.4	28.7	57.3	9.61 D	24.5	22.7	<4.14 U	<2.85 U	27.3	29.8	4.29	12.2 D	18.6	<2.48 U	4.73	10.3 D
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	32.4	56.6	38.9	44.8 D	5.52	80.5	88.2	21.9 D	16.9	34.8	27.3	16.7 D	36.6	2.95	3.19	2.32 D
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	<2.05 U	<4.1 U	<4.88 U	<1.35 U	<2.05 U	<2.05 U	<2.05 U	<0.766 U	<2.05 U	<2.93 U	<2.05 U	<0.631 U
Methyl Methacrylate	80-62-6	NS	ug/m3	NA	NA	NA	<0.666 U	NA	NA	NA	<1.35 U	NA	NA	NA	<0.765 U	NA	NA	NA	<0.631 U
Methylene Chloride	75-09-2	100	ug/m3	<1.74 U	<1.74 U	2.45	<1.13 U	<1.74 U	<3.47 U	<4.13 U	<2.28 U	<1.74 U	<1.74 U	<1.74 U	<1.3 U	<1.74 U	<2.48 U	1.82	<1.07 U
n-Heptane	142-82-5	NS	ug/m3	5.57	<0.82 U	0.832	<0.667 U	7.29	<1.64 U	<1.95 U	<1.35 U	7.58	<0.82 U	<0.82 U	<0.766 U	10.6	<1.17 U	0.852	<0.632 U
n-Hexane	110-54-3	NS	ug/m3	3.5	1.37	0.874	<0.573 U	5.25	1.61	<1.68 U	<1.16 U	4.55	1.17	<0.705 U	0.988 D	7.93	1.33	0.888	0.815 D
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	ug/m3	4.6	8.77	19.2	3.53 D	8.82	6.95	<2.07 U	<1.43 U	12.5	8.82	1.53	4.46 D	7.04	<1.24 U	1.52	3.88 D
Propylene	115-07-1	NS	ug/m3	NA	NA	NA	<0.28 U	NA	NA	NA	<0.566 U	NA	NA	NA	<0.322 U	NA	NA	NA	<0.265 U
Styrene	100-42-5	NS	ug/m3	<0.852 U	<0.852 U	<0.852 U	<0.693 U	<0.852 U	<1.7 U	<2.03 U	<1.4 U	<0.852 U	<0.852 U	<0.852 U	<0.796 U	<0.852 U	<1.22 U	<0.852 U	<0.656 U
Tert-Butyl Alcohol	75-65-0	NS	ug/m3	9.22	22.3	1.6	NA	12.5	21	<3.61 U	NA	13.9	20.8	<1.52 U	NA	19.1	<2.16 U	<1.52 U	NA
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	<1.44 U	<1.72 U	<1.18 U	<0.721 U	<0.721 U	<0.721 U	<0.674 U	<0.721 U	<1.03 U	<0.721 U	<0.556 U
Tetrachloroethene (PCE)	127-18-4	**100**	ug/m3	10.1	2.77	7.26	60.7 D	34.7	4.83	88.8	**201 D**	20.9	2.85	7.05	50.6 D	<1.36 U	6.58	5.85	38.3 D
Tetrahydrofuran	109-99-9	NS	ug/m3	39.8	106	61.1	118 D	100	272	554	213 D	63.7	179	74.3	70.8 D	35.7	96.1	67.8	44.3 D
Toluene	108-88-3	NS	ug/m3	8.59	4.6	6.59	7.73 D	10.9	5.16	<1.79 U	<1.24 U	12	5.31	6.41	11.1 D	16.4	5.65	6.33	8.01 D
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	ug/m3	2.54	NA	NA	NA	4.28	NA	NA	NA	2.66	NA	NA	NA	4.12	NA	NA	NA
Total Xylenes	1330-20-7	NS	ug/m3	16	NA	76.4	NA	33.3	NA	<2.07 U	NA	39.8	NA	5.82	NA	25.7	NA	6.25	NA
Trans-1,2-Dichloroethene	156-60-5	NS	ug/m3	1.41	<0.793 U	<0.793 U	<0.645 U	1.61	<1.59 U	<1.89 U	<1.3 U	1.55	<0.793 U	<0.793 U	<0.741 U	4.12	<1.13 U	<0.793 U	<0.611 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	<1.82 U	<2.16 U	<1.49 U	<0.908 U	<0.908 U	<0.908 U	<0.848 U	<0.908 U	<1.3 U	<0.908 U	<0.699 U
Trichloroethene (TCE)	79-01-6	6	ug/m3	1.81	<1.07 U	<1.07 U	3.15 D	2.75	<2.15 U	2.57	1.41 D	2.16	<1.07 U	<1.07 U	2.41 D	<1.07 U	<1.54 U	<1.07 U	0.497 D
Trichlorofluoromethane	75-69-4	NS	ug/m3	1.75	1.21	2.12	3.66 J	2.23	<2.25 U	<2.67 U	2.77 J	1.63	1.17	2.34	2.31 J	2.74	<1.61 U	2.35	1.99 J
Vinyl Acetate	108-05-4	NS	ug/m3	NA	NA	NA	<0.573 U	NA	NA	NA	<1.16 U	NA	NA	NA	<0.658 U	NA	NA	NA	<0.543 U
Vinyl Chloride	75-01-4	6	ug/m3	<0.511 U	<0.511 U	<0.511 U	<0.208 U	<0.511 U	<1.02 U	<1.22 U	<0.42 U	<0.511 U	<0.511 U	<0.511 U	<0.239 U	<0.511 U	<0.731 U	<0.511 U	<0.197 U
Total BTEX	BTEX	NS	ug/m3	29.23	51.32	88.12	24.172	51.44	42.24	NA	NA	59.86	53.88	15.18	32.08	50.38	5.65	15.49	25.805
Total CVOCs	TOTALCVOCS	NS	ug/m3	13.04	2.77	9.71	67.132	40.11	4.83	91.37	203.812	24.17	2.85	7.05	55.528	6.58	7.67	39.379	42.097
Total VOCs	TOTALVOCS	NS	ug/m3	492.418	522.107	416.223	368.663	505.01	755.75	820.1	474.482	461.31	526.17	270.409	259.978	496.734	774.84	188.45	179.414

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 vapor sample 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;

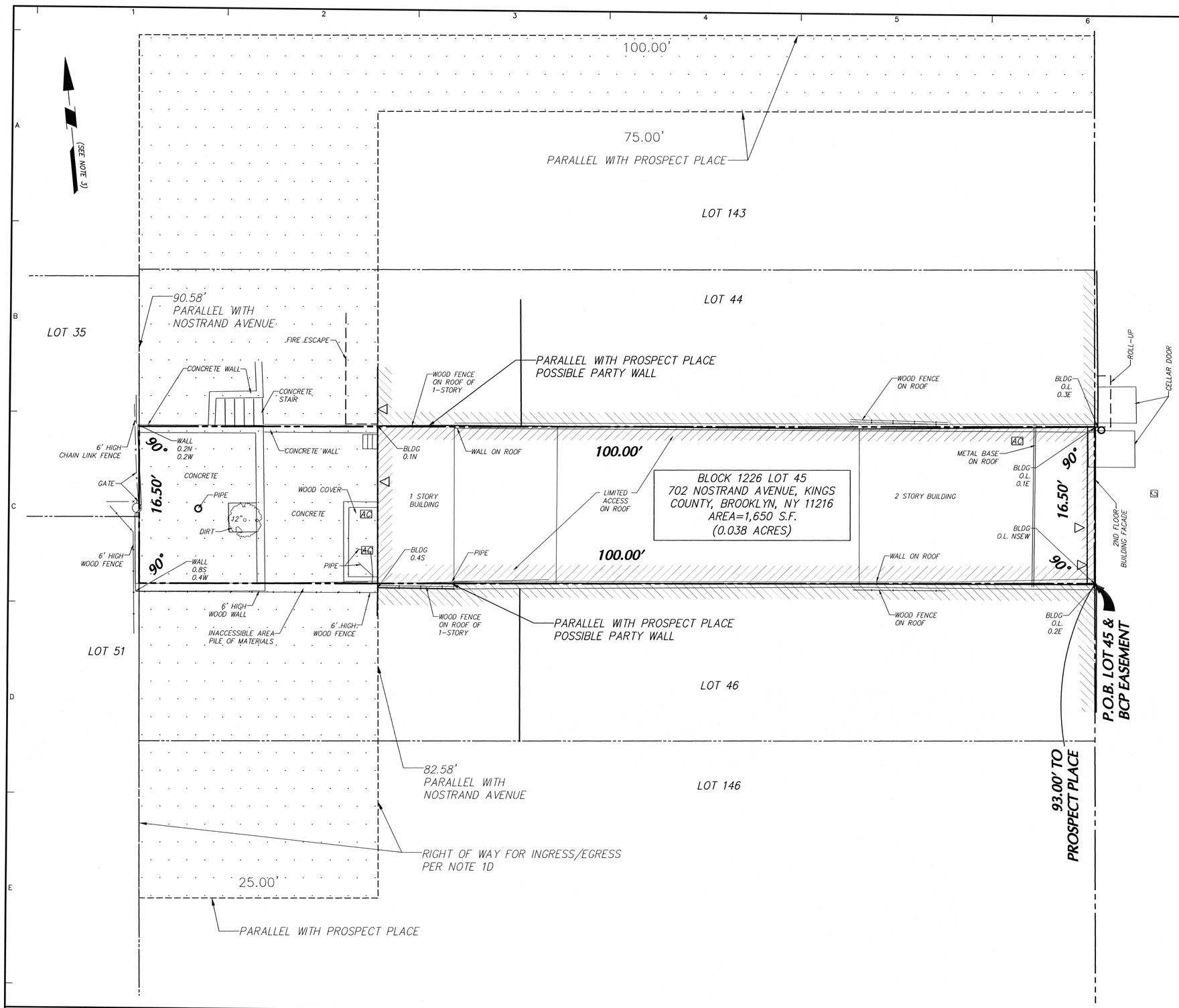
RUNNING THENCE westerly parallel with Prospect Place and part of the distance through a party wall, 100 feet (100.00');

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;

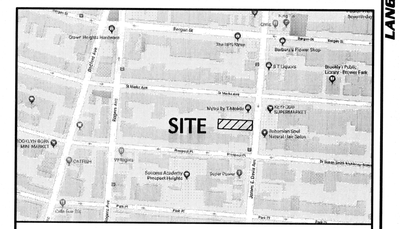
THENCE southerly along westerly side of Nostrand Avenue, 16 feet 6 inches (16.5') to the point or place of beginning.

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: 702 Nostrand Avenue	**PROJECT NO.:** 170527801
LOCATION: Brooklyn, New York	**NYSDEC BCP PROJECT NO.:** C224270
INSPECTOR: Audrey Seey and Emily Rodriguez	**DATE:** 11/29/2023

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 98-168 parts per billion (ppb) throughout the cellar.

WEATHER CONDITIONS:
Temperature: 20s-30s F
Wind Speed and Direction: WSW 9-11 mph
Precipitation: None
Pressure: 30.15 "Hg

A. SVE SYSTEM

SVE Wells	Flow (cfm)	PID Reading (ppb)	Vacuum (IWC)
SVE-01	25.7	269	14
SVE-02	14.1	284	14.25
SVE-03	28.0	275	14
SVE-04	16.1	326	14.5
SVE-05	69.9	278	15
SVE-06	11.1	232	14.5

SVE System Gauges	Vacuum (IWC)	Temperature (°F)	Pressure (IWC)	Flow (cfm)	PID Reading (ppb)
Pre-Blower	20	70	N/A	N/A	234
Post-Blower	NA	96.6	-0.063	117.08	453

SVE System Control Panel	Vacuum (IWC)	Temperature (°F)	Flow (cfm)	Motor Current (Amps)	VFD Speed (%)
Control Panel	20	106.6	109.8	7.6	93

	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	-4.305	422	Trace smoke test confirmed seal integrity
MP-02	-0.302	290	
MP-03	-0.098	604	
MP-04	-0.021	436	

C. CELLAR VENTILATION SYSTEM

Duct Intake	Shape	Dimension	Flow (cfm)	Smoke Test Observation
IN-01	Rectangular	3.8" x 10"	N/A	Cellar ventilation system not operable at the time of the inspection.
IN-02	Circular	6"	N/A	
IN-03	Circular	8"	N/A	
IN-04	Circular	8.6"	N/A	

	Yes	No	Is the Condition Normal?	Remarks
Is the cellar ventilation system fan operating?		x	Yes	Cellar ventilation system not operable at the time of the inspection.

D. COMPOSITE COVER SYSTEM

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

E. ADDITIONAL REMARKS

Prior to collection for soil vapor samples, the SVE system was turned off at about 6 pm on 11/28/2023 (after the business on the first floor closed).

Following collection of soil vapor samples, the system was turned back on, and one effluent air sample was collected.

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

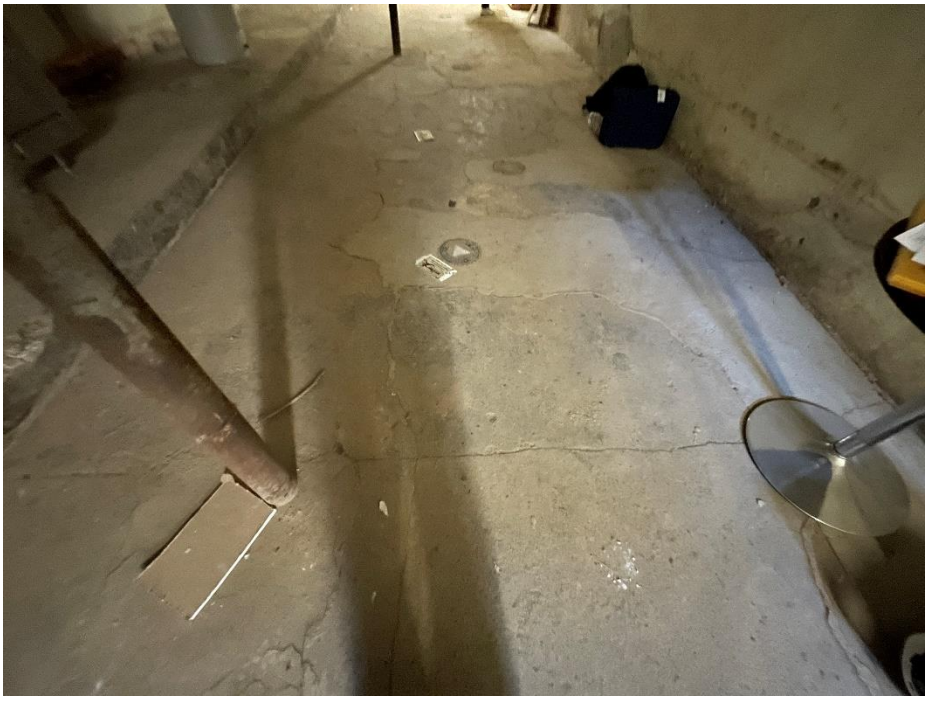


Photo 1, 11/29/2023: View of cellar (facing west).

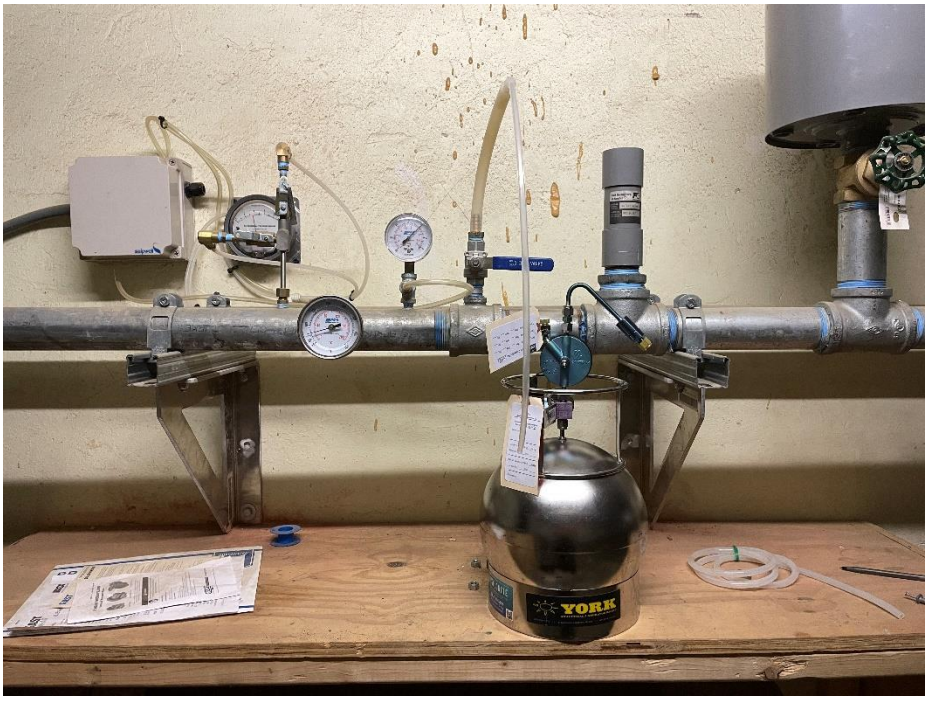


Photo 2, 11/29/2023: View of Langan collecting effluent air sample EA01_112923 (facing north).

Photo 3, 11/29/2023: View of vacuum gauges (facing down).

Photo 4, 11/29/2023: View of blower and soil vapor extraction (SVE) system piping (facing northwest).

Photo 5, 11/29/2023: Rear-yard composite cover (facing east).

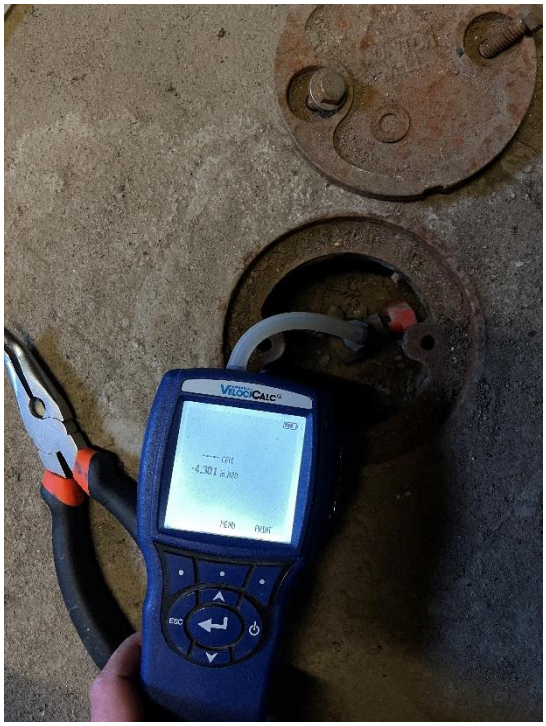


Photo 6, 11/29/2023: Langan collecting differential pressure readings from monitoring point MP-01 (facing down).

Photo 7, 11/29/2023: View of manifold closet with SVE piping (facing north).

Photo 8, 11/29/2023: View of composite cover in the western part of the cellar (facing west).

Photo 9, 11/29/2023: View of cellar (facing west).

Photo 10, 11/29/2023: View of smoke testing (facing down).

Photo 11, 11/29/2023: Langan collecting soil vapor sample MP01_112923 (facing down).

Photo 12, 11/29/2023: SVE blower filter inspection.

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, 2022 to December 13, 2023

	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 702 Nostrand ave Bk NY. 11216 (print business address)

am certifying as Owner (Owner or Remedial Party)

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

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

1/12/2024
Date

EC CERTIFICATIONS

Box 7

Signature

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

I Gerald F. Nicholls (print name) at 360 West 31st Street, 8th Floor New York, NY 10001-2727 (print business address),

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

Gerry Nicholls

Signature of for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

03/05/2024

Date

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Application Details

The below information does not include work types submitted in DOB NOW; use the DOB NOW Public Portal to access DOB NOW records.

JUMP TO: Doc 6 Go

Premises: 702 NOSTRAND AVENUE BROOKLYN
BIN: 3030972 Block: 1226 Lot: 45

Job No: 321189744
Document: 06 OF 6
Job Type: A1 - ALTERATION TYPE 1

Document Overview	Items Required	Virtual Job Folder	All Permits	Schedule A	Schedule B
Fees Paid	Forms Received		All Comments	C/O Summary	Plumbing Inspections
Crane Information	Plan Examination			C/O Preview	
After Hours Variance Permits					

DOB NOW: *Inspections*

Zoning Documents | Challenge Period Status | Challenge Results

POST APPROVAL AMENDMENT FOR DOC 01

Last Action: PLAN EXAM - APPROVED 01/30/2023 (P)
Application approved on: 03/10/2017

Pre-Filed: 01/05/2023 **Building Type:** Other **Estimated Total Cost:** $0.00
Date Filed: 01/05/2023 **Electronically Filed:** No
Fee Structure: STANDARD
Review is requested under Building Code: 1968 **Hub Job ‡:** Yes

Job Description Comments

1 Location Information (Filed At)

House No(s): 702 **Street Name:** NOSTRAND AVENUE
Borough: Brooklyn **Block:** 1226 **Lot:** 45 **BIN:** 3030972 **CB No:** 308
Work on Floor(s): CEL,001,002,003,ROF **Apt/Condo No(s):** **Zip Code:** 11216

2 Applicant of Record Information

Name: THOMAS BARRY
Business Name: OPERA STUDIO ARCHITECTURE **Business Phone:** 917-523-9175
Business Address: 68 JAY STREET BROOKLYN NY 11201 **Business Fax:**
E-Mail: THOMAS@OPERA-STUDIO.COM **Mobile Telephone:**
License Number: 028579

Applicant Type: ☐ P.E. ☒ R.A ☐ Sign Hanger ☐ R.L.A. ☐ Other

Directive 14 Applicant
Not Applicable
Previous Applicant of Record
Not Applicable

3 Filing Representative
None

4 Filing Status

Click Here to View

5 Job Types

- [X] **Alteration Type 1**
- [ ] **Alteration Type 1, OT "No Work"**
- [ ] **Alteration Type 2**
- [ ] **Alteration Type 3**
- [ ] **Sign**
- [ ] **New Building**
- [ ] **Full Demolition**
- [ ] **Subdivision: Improved**
- [ ] **Subdivision: Condo**

Directive 14 acceptance requested? ☐ Yes ☒ No

6 Work Types

- [ ] **BL - Boiler**
- [ ] **FA - Fire Alarm**
- [ ] **FB - Fuel Burning**
- [ ] **FS - Fuel Storage**
- [ ] **FP - Fire Suppression**
- [ ] **MH - Mechanical**
- [ ] **PL - Plumbing**
- [ ] **SD - Standpipe**
- [ ] **SP - Sprinkler**
- [ ] **EQ - Construction Equipment**
- [ ] **CC - Curb Cut**
- [X] **OT - Other**

7 Plans/Construction Documents Submitted

Plans Page Count: 0

8 Additional Information

Enlargement proposed?

☐ No ☐ Yes ☐ Horizontal ☐ Vertical

9 Additional Considerations, Limitations or Restrictions

Yes	No		Yes	No	
☐	☐	**Alt. required to meet New Building req's (28-101.4.5)**	☐	☐	**Alteration is a major change to exits**
			☐	☐	**Change in number of dwelling units**
			☐	☐	**Change in Occupancy / Use**
			☐	☐	**Change is inconsistent with current certificate of occupancy**
			☐	☐	**Change in number of stories**

☐	☐	**Facade Alteration**	☐	☐	**Infill Zoning**
☐	☐	**Adult Establishment**	☐	☐	**Loft Board**
☐	☐	**Compensated Development (Inclusionary Housing)**	☐	☐	**Quality Housing**
☐	☐	**Low Income Housing (Inclusionary Housing)**	☐	☐	**Site Safety Job / Project**
☐	☐	**Single Room Occupancy (SRO) Multiple Dwelling**	☐	☐	**Included in LMCCC**
☐	☐	**Filing includes Lot Merger / Reapportionment**	**Work Includes:**		
			☐	☐	**Prefab wood I-joists**
			☐	☐	**Structural cold-formed steel**
			☐	☐	**Open-web steel joists**

- ☐ ☐ **Landmark**
- ☐ ☐ **Environmental Restrictions (Little E or RD)**
- ☐ ☐ **Unmapped/CCO Street**
- ☐ ☐ **Legalization**
- ☐ ☐ **Other, Specify:**
- ☐ ☐ **Filed to Comply with Local Law**
- ☐ ☐ **Restrictive Declaration / Easement**
- ☐ ☐ **Zoning Exhibit Record (I,II,III,etc)**

  CRFN No.: 2017000072028 2017000072029
- ☐ ☒ **Filed to Address Violation(s)**

- ☐ ☐ **Work includes lighting fixture and/or controls, installation or replacement. [ECC §404 and §505]**
- ☐ ☐ **Work includes modular construction under New York State jurisdiction**
- ☐ ☐ **Work includes modular construction under New York City jurisdiction**
- ☐ ☐ **Structural peer review required per BC §1627** **Peer Reviewer License No.(P.E.):**
- ☐ ☐ **Work includes permanent removal of standpipe, sprinkler or fire suppression related systems**
- ☐ ☐ **Work includes partial demolition as defined in AC §28-101.5, or the raising/moving of a building**
- ☐ ☐ **Structural Stability affected by proposed work**

BSA Calendar No.(s):
CPC Calendar No.(s):

10 NYCECC Compliance ***New York City Energy Conservation Code*** **(Applicant Statement)**
Not Provided

11 Job Description
Related BIS Job Numbers:
Primary application Job Number:

12 Zoning Characteristics
District(s): NONE
Overlay(s):
Special District(s):
Map No.: **Street legal width (ft.):** **Street status:** ☐ Public ☐ Private
Zoning lot includes the following tax lots: Not Provided

	Proposed: Use	Zoning Area (sq.ft.)	District	FAR
	Proposed Totals:		--	
	Existing Total:		--	--

Proposed Lot Details: **Lot Type:** ☐ Corner ☐ Interior ☐ Through
Lot Coverage (%): **Lot Area (sq.ft.):** **Lot Width (ft.):**
Proposed Yard Details: ☐ No Yards **Or**
Front Yard (ft.): **Rear Yard (ft.):** **Rear Yard Equivalent (ft.):**
Side Yard 1 (ft.): **Side Yard 2 (ft.):**
Proposed Other Details: **Perimeter Wall Height (ft.):**
Enclosed Parking? ☐ Yes ☐ No **No. of parking spaces:**

13 Building Characteristics

		2022/2014/2008 Code Designations?
Occupancy Classification: Existing:		☐ Yes ☐ No
Proposed:		☐ Yes ☐ No
Construction Classification: Existing:		☐ Yes ☐ No
Proposed:		☐ Yes ☐ No
Multiple Dwelling Classification: Existing:		
Proposed:		
Building Height (ft.): Existing:		
Proposed:		
Building Stories: Existing:		
Proposed:		
Dwelling Units: Existing:		
Proposed:		

Building was originally erected pursuant to which Building Code: ☐ 2022 ☐ 2014 ☐ 2008 ☐ 1968 ☐ Prior to 1968
The earliest Code with which this building or any part of it is required to comply: ☐ 2022 ☐ 2014 ☐ 2008 ☐ 1968 ☐ Prior to 1968
Mixed use building? ☐ Yes ☐ No

14 Fill
☐ Not Applicable ☐ Off-Site ☐ On-Site ☐ Under 300 cubic yards

15 Construction Equipment
Not Applicable

16 Curb Cut Description
Not Applicable

17 Tax Lot Characteristics
Not Provided

18 Fire Protection Equipment

Existing		Proposed		Existing		Proposed	
Yes	No	Yes	No	Yes	No	Yes	No

Fire Alarm	☐	☐		☐	☐		**Sprinkler**	☐	☐		☐	☐
Fire Suppression	☐	☐		☐	☐		**Standpipe**	☐	☐		☐	☐

19 Open Spaces

Not Provided

20 Site Characteristics

Not Provided

21 Demolition Details

Not Applicable

22 Asbestos Abatement Compliance

23 Signs

Not Applicable

24 Comments

Comments for PAA Document 06 Modifying Document 01
Description of Amendment
PAA FILED TO REVISE PW1. NO PLAN REVISIONS

25 Applicant's Statements and Signatures **(See paper form or check Forms Received)**

Yes	No	
☐	☐	**For New Building and Alteration 1 applications filed under the 2008 or 2014 NYC Building Code only: does this building qualify for high-rise designation?**
☐	☐	**Directive 14 applications only: I certify that the construction documents submitted and all construction documents related to this application do not require a new or amended Certificate of Occupancy as there is no change in use, exits, or occupancy.**

26 Owner's Information

Not Applicable

Yes	No	
☐	☐	**Owner's Certification Regarding Occupied Housing (Remain Occupied)**
☐	☐	**Owner's Certification Regarding Occupied Housing (Rent Control / Stabilization)**
☐	☐	**Owner DHCR Notification**
☐	☐	**Owner's Certification for Adult Establishment**
☐	☐	**Owner's Certification for Directive 14 (if applicable)**

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‡ the-hub

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

APPENDIX E
EFFLUENT AIR AND SOIL VAPOR SAMPLING LOGS

EFFLUENT AIR SAMPLING LOG SHEET

Sample Number: EA01_112923

PROJECT: 702 Nostrand Ave	**PROJECT NO.:** 170527801		
LOCATION: Brooklyn, New York	**SURFACE ELEVATION AND DATUM:** N/A		
SAMPLER: Audrey Seery	**SAMPLE DATE STARTED:** 11/29/2023	**DATE FINISHED:** 11/29/2023	
INSPECTOR: Audrey Seery	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister		
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**		
	Temp:	26-37 F	
	Wind:	9-11 WSW	
	Precipitation:	None	
	Pressure:	30.15	

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 30-minute flow control valve. The flow controller was zeroed and valve opened to initiate the 30-minute sample collection.

SAMPLE DETAILS

PID BEFORE SAMPLE (PPM):	0.152
SAMPLE START TIME:	13:06
SAMPLE STOP TIME:	13:39
TOTAL SAMPLE TIME (MIN):	33
REGULATOR FLOW RATE (mL/MIN):	286.8
VOLUME OF SAMPLE (LITERS):	6
PID AFTER SAMPLE (PPM):	0.234
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	23196
REGULATOR SERIAL NUMBER:	19421
CAN START VACUUM PRESS. (" HG):	-30
CAN STOP VACUUM PRESS. (" HG):	-7

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.
360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR MONITORING POINT SAMPLING LOG SHEET

Sample Number: MP01_112923

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:** 11/29/2023	**DATE FINISHED:** 11/29/2023
INSTALLATION EQUIPMENT: Geoprobe® 420 M	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister	
INSPECTOR: Reid Balkind	**SAMPLER:** Audrey Seery	
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 26-37 F; Wind: 9-11 mph WSW; Precipitation: None; Pressure: 30.15	

METHOD OF INSTALLATION AND PURGING:

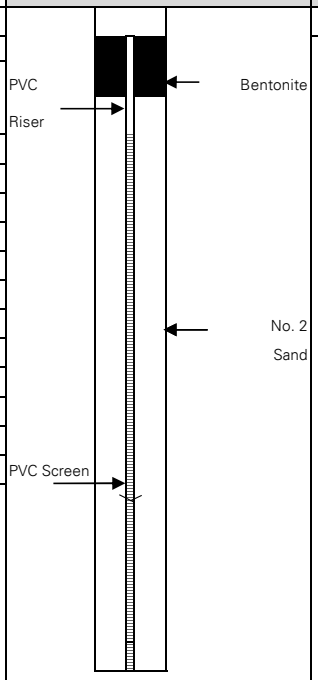
Langan field screened the sample location with a ppbRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 2-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 2-hour sample collection.

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:	9:48	
SAMPLE STOP TIME:	11:48	
TOTAL SAMPLE TIME (MIN):	120	
REGULATOR FLOW RATE (mL/MIN):	43.7	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.488	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	36991	
REGULATOR SERIAL NUMBER:	13565	
CAN START VACUUM PRESS. (" HG):	-30	
CAN STOP VACUUM PRESS. (" HG):	-6	

SAMPLE LOCATION SKETCH

See Sample Location Plan



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0
	0.50
Fill	1.00
Medium Sand	6.00

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR MONITORING POINT SAMPLING LOG SHEET

Sample Number: MP02_112923

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:** 11/29/2023	**DATE FINISHED:** 11/29/2023
INSTALLATION EQUIPMENT: Geoprobe® 420 M	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister	
INSPECTOR: Reid Balkind	**SAMPLER:** Audrey Seery	
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 26-37 F; Wind: 9-11 mph WSW; Precipitation: None; Pressure: 30.15	

METHOD OF INSTALLATION AND PURGING:

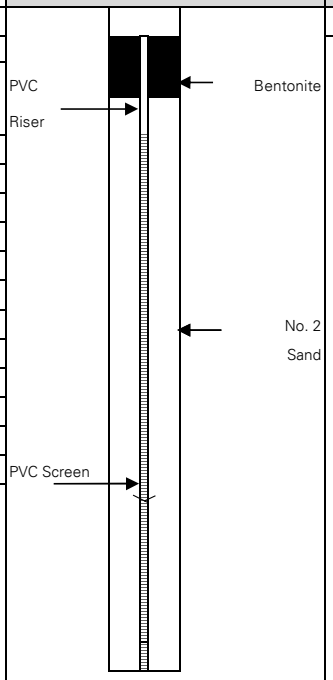
Langan field screened the sample location with a ppbRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 2-hour flow control valve. The monitoring point ball valve broke off during the 2022 inspection. An attempt to repair the monitoring point was made prior to sample collection. The repair attempt was unsuccessful. 1/4-inch teftlon-lined polyethylene tubing was secured in the monitoring point shaft during sample collection. The flow controller was zeroed and valve opened to initiate the 2-hour sample collection. After sample collection, the monitoring point shaft was sealed with a foam plug and duct tape.

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:	9:48	
SAMPLE STOP TIME:	11:40	
TOTAL SAMPLE TIME (MIN):	112	
REGULATOR FLOW RATE (mL/MIN):	45.93	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.284	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	20949	
REGULATOR SERIAL NUMBER:	7269	
CAN START VACUUM PRESS. (" HG):	-30	
CAN STOP VACUUM PRESS. (" HG):	-5	

SAMPLE LOCATION SKETCH

See Sample Location Plan



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0
	0.50
Fill	1.00
Medium Sand	6.00

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR MONITORING POINT SAMPLING LOG SHEET

Sample Number: MP03_112923

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:** 11/29/2023	**DATE FINISHED:** 11/29/2023
INSTALLATION EQUIPMENT: Geoprobe® 420 M	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister	
INSPECTOR: Reid Balkind	**SAMPLER:** Audrey Seery	
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 26-37 F; Wind: 9-11 mph WSW; Precipitation: None; Pressure: 30.15	

METHOD OF INSTALLATION AND PURGING:

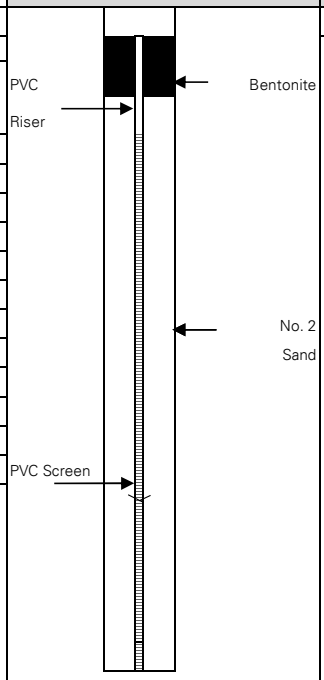
Langan field screened the sample location with a ppbRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 2-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 2-hour sample collection.

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:	9:49	
SAMPLE STOP TIME:	11:49	
TOTAL SAMPLE TIME (MIN):	120	
REGULATOR FLOW RATE (mL/MIN):	40.98	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.433	
SAMPLE MOISTURE CONTENT:	N/A	
CAN SERIAL NUMBER:	48293	
REGULATOR SERIAL NUMBER:	16422	
CAN START VACUUM PRESS. (" HG):	-30	
CAN STOP VACUUM PRESS. (" HG):	-8	

SAMPLE LOCATION SKETCH

See Sample Location Plan



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0
	0.50
Fill	1.00
Medium Sand	5.00

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR MONITORING POINT SAMPLING LOG SHEET

Sample Number: MP04_112923

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:** 11/29/2023	**DATE FINISHED:** 11/29/2023
INSTALLATION EQUIPMENT: Geoprobe® 420 M	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister	
INSPECTOR: Reid Balkind	**SAMPLER:** Audrey Seery	
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 26-37 F; Wind: 9-11 mph WSW; Precipitation: None; Pressure: 30.15	

METHOD OF INSTALLATION AND PURGING:

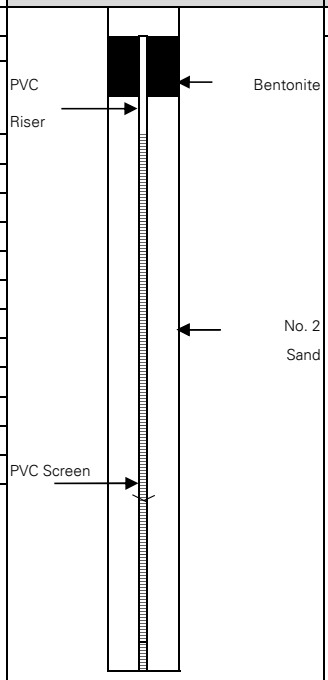
Langan field screened the sample location with a ppbRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 2-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 2-hour sample collection.

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:	9:49	
SAMPLE STOP TIME:	11:49	
TOTAL SAMPLE TIME (MIN):	120	
REGULATOR FLOW RATE (mL/MIN):	39.11	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.31	
SAMPLE MOISTURE CONTENT:	None	
CAN SERIAL NUMBER:	28850	
REGULATOR SERIAL NUMBER:	7080	
CAN START VACUUM PRESS. (" HG):	-30	
CAN STOP VACUUM PRESS. (" HG):	-5	

SAMPLE LOCATION SKETCH

See Sample Location Plan



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0
	0.50
Fill	1.00
Medium Sand	5.00

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

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: Vinicius De Paula, Langan Project Engineer

From: Joe Conboy, Langan Senior Staff Chemist

Date: December 11, 2023

Re: Data Usability Summary Report
For 702 Nostrand Avenue
November 2023 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 November 2023 by Langan Engineering and Environmental Services at the 702 Nostrand Avenue site. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration # 10854 and 12058) 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.

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. The SDG 23K1783 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's guidelines and best professional judgment:

- **R –** The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the 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 reporting limit; however, the reported reporting limit 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.
- **NJ –** The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

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 due to minor data quality anomalies are usable, as qualified in Table 2 (attached).

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

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. The section below describes the minor deficiencies that were identified.

VOCs by USEPA Method TO-15:

23k1783

The LCS for batch BL30268 exhibited a percent recovery below the LCL for bromoform (59.6%). The associated results in samples EA01_112923, MP01_112923, MP02_112923, MP03_112923, and MP04_112923 are qualified as UJ because of potential low bias.

The LCS for batch BL30268 exhibited percent recoveries above the UCL for trichlorofluoromethane (131%) and carbon tetrachloride (140%). The associated results in samples EA01_112923, MP01_112923, MP02_112923, MP03_112923, and MP04_112923 are qualified as J because of potential high bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

VOCs by USEPA Method TO-15:

23k1783

The LCS for batch BL30268 exhibited percent recoveries above the UCL for benzyl chloride (132%), tert-butyl methyl ether (133%), and 1,1,1-trichloroethane (TCA) (135%). The associated results are non-detect. No qualification is necessary.

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
Senior Staff Chemist

Data Usability Summary Report
For 702 Nostrand Avenue
November 2023 Soil Vapor Samples
Table 2: Validator-Applied Qualification

Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
EA01_112923	TO15	75-25-2	Bromoform	UJ
EA01_112923	TO15	56-23-5	Carbon Tetrachloride	J
EA01_112923	TO15	75-69-4	Trichlorofluoromethane	J
MP01_112923	TO15	75-25-2	Bromoform	UJ
MP01_112923	TO15	56-23-5	Carbon Tetrachloride	J
MP01_112923	TO15	75-69-4	Trichlorofluoromethane	J
MP02_112923	TO15	75-25-2	Bromoform	UJ
MP02_112923	TO15	56-23-5	Carbon Tetrachloride	J
MP02_112923	TO15	75-69-4	Trichlorofluoromethane	J
MP03_112923	TO15	75-25-2	Bromoform	UJ
MP03_112923	TO15	56-23-5	Carbon Tetrachloride	J
MP03_112923	TO15	75-69-4	Trichlorofluoromethane	J
MP04_112923	TO15	75-25-2	Bromoform	UJ
MP04_112923	TO15	56-23-5	Carbon Tetrachloride	J
MP04_112923	TO15	75-69-4	Trichlorofluoromethane	J

Data Usability Summary Report
For 702 Nostrand Avenue
November 2023 Soil Vapor Samples
Table 1: Sample Summary

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
23K1783	23K1783-01	EA01_112923	11/29/2023	Tier 1	VOCs TO-15
23K1783	23K1783-02	MP01_112923	11/29/2023	Tier 1	VOCs TO-15
23K1783	23K1783-03	MP02_112923	11/29/2023	Tier 1	VOCs TO-15
23K1783	23K1783-04	MP03_112923	11/29/2023	Tier 1	VOCs TO-15
23K1783	23K1783-05	MP04_112923	11/29/2023	Tier 1	VOCs TO-15

APPENDIX G
LABORATORY ANALYTICAL REPORTS

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Vinicius DePaula

Report Date: 12/07/2023
Client Project ID: 170527801
York Project (SDG) No.: 23K1783

Report Date: 12/07/2023
Client Project ID: 170527801
York Project (SDG) No.: 23K1783

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Vinicius DePaula

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 29, 2023 and listed below. The project was identified as your project: **170527801**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23K1783-01	EA01_112923	Vapor Extraction	11/29/2023	11/29/2023
23K1783-02	MP01_112923	Soil Vapor	11/29/2023	11/29/2023
23K1783-03	MP02_112923	Soil Vapor	11/29/2023	11/29/2023
23K1783-04	MP03_112923	Soil Vapor	11/29/2023	11/29/2023
23K1783-05	MP04_112923	Soil Vapor	11/29/2023	11/29/2023

General Notes for York Project (SDG) No.: 23K1783

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By  **Date:** 12/07/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: EA01_112923 **York Sample ID:** 23K1783-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Vapor Extraction	November 29, 2023 1:06 pm	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.22	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.972	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.22	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.36	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.972	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.721	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.353	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
120-82-1	**1,2,4-Trichlorobenzene**	**1.98**		ug/m³	1.32	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.875	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.37	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.07	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.721	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.823	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.25	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.876	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-99-0	1,3-Butadiene	ND		ug/m³	1.18	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.07	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.823	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.07	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
123-91-1	1,4-Dioxane	ND		ug/m³	1.28	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-93-3	**2-Butanone**	**0.630**		ug/m³	0.525	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: EA01_112923 **York Sample ID:** 23K1783-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Vapor Extraction	November 29, 2023 1:06 pm	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m³	1.46	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	2.79	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.730	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
67-64-1	**Acetone**	**12.3**		ug/m³	0.846	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
107-13-1	Acrylonitrile	ND		ug/m³	0.387	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
71-43-2	**Benzene**	**1.65**		ug/m³	0.569	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
100-44-7	Benzyl chloride	ND		ug/m³	0.922	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-27-4	Bromodichloromethane	ND		ug/m³	1.19	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-25-2	Bromoform	ND	TO-CCV, TO-LCS-L	ug/m³	1.84	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
74-83-9	Bromomethane	ND		ug/m³	0.692	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-15-0	Carbon disulfide	ND		ug/m³	0.555	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
56-23-5	**Carbon tetrachloride**	**0.448**	TO-CCV, TO-LCS-H	ug/m³	0.280	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
108-90-7	Chlorobenzene	ND		ug/m³	0.820	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-00-3	Chloroethane	ND		ug/m³	0.470	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
67-66-3	Chloroform	ND		ug/m³	0.870	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
74-87-3	**Chloromethane**	**1.21**		ug/m³	0.368	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
156-59-2	**cis-1,2-Dichloroethylene**	**0.494**		ug/m³	0.353	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.808	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
110-82-7	Cyclohexane	ND		ug/m³	0.613	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
124-48-1	Dibromochloromethane	ND		ug/m³	1.52	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			

Sample Information

Client Sample ID: EA01_112923 **York Sample ID:** 23K1783-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Vapor Extraction	November 29, 2023 1:06 pm	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	**Dichlorodifluoromethane**	**21.3**		ug/m³	0.881	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
141-78-6	* Ethyl acetate	ND		ug/m³	1.28	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.773	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.90	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
67-63-0	**Isopropanol**	**32.9**		ug/m³	0.876	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.729	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.642	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
75-09-2	Methylene chloride	ND		ug/m³	1.24	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
142-82-5	n-Heptane	ND		ug/m³	0.730	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
110-54-3	**n-Hexane**	**1.88**		ug/m³	0.628	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
95-47-6	o-Xylene	ND		ug/m³	0.773	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
179601-23-1	**p- & m- Xylenes**	**1.70**		ug/m³	1.55	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.876	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:			
115-07-1	*** Propylene**	**1.38**		ug/m³	0.307	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.759	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
127-18-4	**Tetrachloroethylene**	**174**		ug/m³	1.21	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.05	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:			
108-88-3	**Toluene**	**2.48**		ug/m³	0.671	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.706	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.808	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			
79-01-6	**Trichloroethylene**	**0.479**		ug/m³	0.239	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications: NELAC-NY12058,NJDEP-NY037			

Sample Information

Client Sample ID: EA01_112923 **York Sample ID:** 23K1783-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Vapor Extraction	November 29, 2023 1:06 pm	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.70**	TO-CCV, TO-LCS-H	ug/m³	1.00	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-05-4	Vinyl acetate	ND		ug/m³	0.627	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
593-60-2	Vinyl bromide	ND		ug/m³	0.779	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-01-4	Vinyl Chloride	ND		ug/m³	0.228	1.781	EPA TO-15	12/03/2023 12:00	12/03/2023 17:49	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: MP01_112923 **York Sample ID:** 23K1783-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Soil Vapor	November 29, 2023 9:48 am	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.12	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.888	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.12	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.25	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.888	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.659	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.323	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.21	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-63-6	**1,2,4-Trimethylbenzene**	**3.92**		ug/m³	0.800	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.25	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.978	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.658	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.752	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.14	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-67-8	**1,3,5-Trimethylbenzene**	**0.880**		ug/m³	0.800	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-99-0	1,3-Butadiene	ND		ug/m³	1.08	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.978	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.752	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.978	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
123-91-1	1,4-Dioxane	ND		ug/m³	1.17	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-93-3	**2-Butanone**	**44.8**		ug/m³	0.480	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
591-78-6	* 2-Hexanone	ND		ug/m³	1.33	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:			

Sample Information

Client Sample ID: MP01_112923 **York Sample ID:** 23K1783-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Soil Vapor	November 29, 2023 9:48 am	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	2.55	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.667	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-64-1	**Acetone**	**61.4**		ug/m³	0.773	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-13-1	**Acrylonitrile**	**0.565**		ug/m³	0.353	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
71-43-2	**Benzene**	**0.832**		ug/m³	0.520	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
100-44-7	Benzyl chloride	ND		ug/m³	0.842	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-27-4	Bromodichloromethane	ND		ug/m³	1.09	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-25-2	Bromoform	ND	TO-CCV, TO-LCS-L	ug/m³	1.68	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-83-9	Bromomethane	ND		ug/m³	0.632	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-15-0	**Carbon disulfide**	**1.72**		ug/m³	0.507	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
56-23-5	**Carbon tetrachloride**	**0.512**	TO-CCV, TO-LCS-H	ug/m³	0.256	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-90-7	Chlorobenzene	ND		ug/m³	0.749	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-00-3	Chloroethane	ND		ug/m³	0.429	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-66-3	**Chloroform**	**6.12**		ug/m³	0.794	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-87-3	**Chloromethane**	**0.504**		ug/m³	0.336	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-59-2	**cis-1,2-Dichloroethylene**	**2.77**		ug/m³	0.323	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.738	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-82-7	Cyclohexane	ND		ug/m³	0.560	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
124-48-1	Dibromochloromethane	ND		ug/m³	1.39	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-71-8	**Dichlorodifluoromethane**	**3.46**		ug/m³	0.805	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: MP01_112923 **York Sample ID:** 23K1783-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Soil Vapor	November 29, 2023 9:48 am	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	*** Ethyl acetate**	**3.05**		ug/m³	1.17	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:			
100-41-4	**Ethyl Benzene**	**2.47**		ug/m³	0.706	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.74	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-63-0	**Isopropanol**	**26.4**		ug/m³	0.800	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.666	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.587	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-09-2	Methylene chloride	ND		ug/m³	1.13	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
142-82-5	n-Heptane	ND		ug/m³	0.667	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-54-3	n-Hexane	ND		ug/m³	0.573	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-47-6	**o-Xylene**	**3.53**		ug/m³	0.706	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
179601-23-1	**p- & m- Xylenes**	**9.61**		ug/m³	1.41	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
622-96-8	*** p-Ethyltoluene**	**2.88**		ug/m³	0.800	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.280	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.693	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
127-18-4	**Tetrachloroethylene**	**60.7**		ug/m³	1.10	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
109-99-9	*** Tetrahydrofuran**	**118**		ug/m³	0.960	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:			
108-88-3	**Toluene**	**7.73**		ug/m³	0.613	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.645	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.738	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-01-6	**Trichloroethylene**	**3.15**		ug/m³	0.219	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**3.66**	TO-CCV, TO-LCS-H	ug/m³	0.914	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: MP01_112923 **York Sample ID:** 23K1783-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Soil Vapor	November 29, 2023 9:48 am	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		ug/m³	0.573	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
593-60-2	Vinyl bromide	ND		ug/m³	0.712	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-01-4	Vinyl Chloride	ND		ug/m³	0.208	1.627	EPA TO-15	12/03/2023 12:00	12/03/2023 18:52	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: MP02_112923 **York Sample ID:** 23K1783-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Soil Vapor	November 29, 2023 9:48 am	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	2.26	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.79	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	2.26	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	2.52	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.79	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-34-3	1,1-Dichloroethane	ND		ug/m³	1.33	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.651	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	2.44	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	1.62	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-93-4	1,2-Dibromoethane	ND		ug/m³	2.52	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.98	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.33	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.52	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	2.30	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.62	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-99-0	1,3-Butadiene	ND		ug/m³	2.18	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.98	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	1.52	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.98	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
123-91-1	1,4-Dioxane	ND		ug/m³	2.37	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-93-3	**2-Butanone**	**21.9**		ug/m³	0.969	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
591-78-6	* 2-Hexanone	ND		ug/m³	2.69	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:			

Sample Information

Client Sample ID: MP02_112923 **York Sample ID:** 23K1783-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Soil Vapor	November 29, 2023 9:48 am	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	5.14	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	1.35	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-64-1	**Acetone**	**22.4**		ug/m³	1.56	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-13-1	Acrylonitrile	ND		ug/m³	0.713	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
71-43-2	Benzene	ND		ug/m³	1.05	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
100-44-7	Benzyl chloride	ND		ug/m³	1.70	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-27-4	Bromodichloromethane	ND		ug/m³	2.20	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-25-2	Bromoform	ND	TO-CCV, TO-LCS-L	ug/m³	3.40	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-83-9	Bromomethane	ND		ug/m³	1.28	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-15-0	Carbon disulfide	ND		ug/m³	1.02	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
56-23-5	**Carbon tetrachloride**	**0.620**	TO-CCV, TO-LCS-H	ug/m³	0.517	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-90-7	Chlorobenzene	ND		ug/m³	1.51	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-00-3	Chloroethane	ND		ug/m³	0.867	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-66-3	Chloroform	ND		ug/m³	1.60	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-87-3	Chloromethane	ND		ug/m³	0.679	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-59-2	**cis-1,2-Dichloroethylene**	**0.782**		ug/m³	0.651	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	1.49	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-82-7	Cyclohexane	ND		ug/m³	1.13	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
124-48-1	Dibromochloromethane	ND		ug/m³	2.80	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-71-8	**Dichlorodifluoromethane**	**3.90**		ug/m³	1.62	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: MP02_112923 **York Sample ID:** 23K1783-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Soil Vapor	November 29, 2023 9:48 am	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	* Ethyl acetate	ND		ug/m³	2.37	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	1.43	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
87-68-3	Hexachlorobutadiene	ND		ug/m³	3.50	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-63-0	**Isopropanol**	**6.70**		ug/m³	1.62	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
80-62-6	Methyl Methacrylate	ND		ug/m³	1.35	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.18	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-09-2	Methylene chloride	ND		ug/m³	2.28	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
142-82-5	n-Heptane	ND		ug/m³	1.35	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-54-3	n-Hexane	ND		ug/m³	1.16	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-47-6	o-Xylene	ND		ug/m³	1.43	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
179601-23-1	p- & m- Xylenes	ND		ug/m³	2.85	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
622-96-8	* p-Ethyltoluene	ND		ug/m³	1.62	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.566	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:			
100-42-5	Styrene	ND		ug/m³	1.40	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
127-18-4	**Tetrachloroethylene**	**201**		ug/m³	2.23	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
109-99-9	*** Tetrahydrofuran**	**213**		ug/m³	1.94	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:			
108-88-3	Toluene	ND		ug/m³	1.24	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	1.30	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.49	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-01-6	**Trichloroethylene**	**1.41**		ug/m³	0.441	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.77**	TO-CCV, TO-LCS-H	ug/m³	1.85	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: MP02_112923 **York Sample ID:** 23K1783-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Soil Vapor	November 29, 2023 9:48 am	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		ug/m³	1.16	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
593-60-2	Vinyl bromide	ND		ug/m³	1.44	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-01-4	Vinyl Chloride	ND		ug/m³	0.420	3.286	EPA TO-15	12/03/2023 12:00	12/03/2023 19:51	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: MP03_112923 **York Sample ID:** 23K1783-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Soil Vapor	November 29, 2023 9:49 am	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.28	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.02	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.28	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.43	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.02	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.756	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.371	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.39	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-63-6	**1,2,4-Trimethylbenzene**	**4.41**		ug/m³	0.919	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.44	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.12	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.756	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.864	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.31	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-67-8	**1,3,5-Trimethylbenzene**	**1.10**		ug/m³	0.919	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-99-0	1,3-Butadiene	ND		ug/m³	1.24	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.12	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.864	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.12	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
123-91-1	1,4-Dioxane	ND		ug/m³	1.35	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-93-3	**2-Butanone**	**16.7**		ug/m³	0.551	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
591-78-6	* 2-Hexanone	ND		ug/m³	1.53	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:			

Sample Information

Client Sample ID: MP03_112923 **York Sample ID:** 23K1783-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Soil Vapor	November 29, 2023 9:49 am	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	2.93	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.766	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-64-1	**Acetone**	**29.2**		ug/m³	0.888	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-13-1	**Acrylonitrile**	**1.99**		ug/m³	0.406	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
71-43-2	**Benzene**	**1.07**		ug/m³	0.597	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
100-44-7	Benzyl chloride	ND		ug/m³	0.968	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-27-4	Bromodichloromethane	ND		ug/m³	1.25	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-25-2	Bromoform	ND	TO-CCV, TO-LCS-L	ug/m³	1.93	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-83-9	Bromomethane	ND		ug/m³	0.726	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-15-0	**Carbon disulfide**	**2.79**		ug/m³	0.582	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
56-23-5	**Carbon tetrachloride**	**0.588**	TO-CCV, TO-LCS-H	ug/m³	0.294	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-90-7	Chlorobenzene	ND		ug/m³	0.860	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-00-3	Chloroethane	ND		ug/m³	0.493	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-66-3	**Chloroform**	**1.46**		ug/m³	0.913	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-87-3	**Chloromethane**	**0.502**		ug/m³	0.386	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-59-2	**cis-1,2-Dichloroethylene**	**1.93**		ug/m³	0.371	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.848	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-82-7	Cyclohexane	ND		ug/m³	0.643	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
124-48-1	Dibromochloromethane	ND		ug/m³	1.59	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-71-8	**Dichlorodifluoromethane**	**3.05**		ug/m³	0.924	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: MP03_112923 **York Sample ID:** 23K1783-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Soil Vapor	November 29, 2023 9:49 am	11/29/2023

VOA, TO15 MASTER **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	*** Ethyl acetate**	**4.18**		ug/m³	1.35	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:			
100-41-4	**Ethyl Benzene**	**3.25**		ug/m³	0.812	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.99	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-63-0	**Isopropanol**	**28.3**		ug/m³	0.919	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.765	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.674	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-09-2	Methylene chloride	ND		ug/m³	1.30	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
142-82-5	n-Heptane	ND		ug/m³	0.766	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-54-3	**n-Hexane**	**0.988**		ug/m³	0.659	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-47-6	**o-Xylene**	**4.46**		ug/m³	0.812	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
179601-23-1	**p- & m- Xylenes**	**12.2**		ug/m³	1.62	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
622-96-8	*** p-Ethyltoluene**	**4.59**		ug/m³	0.919	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.322	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.796	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
127-18-4	**Tetrachloroethylene**	**50.6**		ug/m³	1.27	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
109-99-9	*** Tetrahydrofuran**	**70.8**		ug/m³	1.10	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:			
108-88-3	**Toluene**	**11.1**		ug/m³	0.704	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.741	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.848	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-01-6	**Trichloroethylene**	**2.41**		ug/m³	0.251	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**2.31**	TO-CCV, TO-LCS-H	ug/m³	1.05	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: MP03_112923 **York Sample ID:** 23K1783-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Soil Vapor	November 29, 2023 9:49 am	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		ug/m³	0.658	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
593-60-2	Vinyl bromide	ND		ug/m³	0.818	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-01-4	Vinyl Chloride	ND		ug/m³	0.239	1.869	EPA TO-15	12/03/2023 12:00	12/03/2023 21:53	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: MP04_112923 **York Sample ID:** 23K1783-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Soil Vapor	November 29, 2023 9:49 am	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.06	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.841	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.06	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.18	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.841	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.624	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.305	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.14	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-63-6	**1,2,4-Trimethylbenzene**	**4.17**		ug/m³	0.758	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.18	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.926	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.624	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.712	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.08	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-67-8	**1,3,5-Trimethylbenzene**	**0.985**		ug/m³	0.758	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
106-99-0	1,3-Butadiene	ND		ug/m³	1.02	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.926	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.712	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.926	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
123-91-1	1,4-Dioxane	ND		ug/m³	1.11	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
78-93-3	**2-Butanone**	**2.32**		ug/m³	0.454	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
591-78-6	* 2-Hexanone	ND		ug/m³	1.26	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:			

Sample Information

Client Sample ID: MP04_112923 **York Sample ID:** 23K1783-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Soil Vapor	November 29, 2023 9:49 am	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	2.41	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.631	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-64-1	**Acetone**	**15.1**		ug/m³	0.732	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
107-13-1	Acrylonitrile	ND		ug/m³	0.334	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
71-43-2	**Benzene**	**0.935**		ug/m³	0.492	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
100-44-7	Benzyl chloride	ND		ug/m³	0.798	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-27-4	Bromodichloromethane	ND		ug/m³	1.03	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-25-2	Bromoform	ND	TO-CCV, TO-LCS-L	ug/m³	1.59	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-83-9	Bromomethane	ND		ug/m³	0.598	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-15-0	**Carbon disulfide**	**4.65**		ug/m³	0.480	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
56-23-5	**Carbon tetrachloride**	**0.582**	TO-CCV, TO-LCS-H	ug/m³	0.242	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
108-90-7	Chlorobenzene	ND		ug/m³	0.709	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-00-3	Chloroethane	ND		ug/m³	0.407	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-66-3	Chloroform	ND		ug/m³	0.752	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
74-87-3	**Chloromethane**	**1.72**		ug/m³	0.318	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.305	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.699	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-82-7	Cyclohexane	ND		ug/m³	0.530	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
124-48-1	Dibromochloromethane	ND		ug/m³	1.31	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-71-8	**Dichlorodifluoromethane**	**3.89**		ug/m³	0.762	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: MP04_112923 **York Sample ID:** 23K1783-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Soil Vapor	November 29, 2023 9:49 am	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	* **Ethyl acetate**	**3.00**		ug/m³	1.11	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:			
100-41-4	**Ethyl Benzene**	**2.68**		ug/m³	0.669	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.64	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
67-63-0	**Isopropanol**	**27.2**		ug/m³	0.758	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.631	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.556	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-09-2	Methylene chloride	ND		ug/m³	1.07	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
142-82-5	n-Heptane	ND		ug/m³	0.632	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
110-54-3	**n-Hexane**	**0.815**		ug/m³	0.543	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
95-47-6	**o-Xylene**	**3.88**		ug/m³	0.669	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
179601-23-1	**p- & m- Xylenes**	**10.3**		ug/m³	1.34	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
622-96-8	* **p-Ethyltoluene**	**4.09**		ug/m³	0.758	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.265	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.656	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
127-18-4	**Tetrachloroethylene**	**38.3**		ug/m³	1.05	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
109-99-9	* **Tetrahydrofuran**	**44.3**		ug/m³	0.909	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:			
108-88-3	**Toluene**	**8.01**		ug/m³	0.581	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.611	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.699	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
79-01-6	**Trichloroethylene**	**0.497**		ug/m³	0.207	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.99**	TO-CCV, TO-LCS-H	ug/m³	0.866	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Sample Information

Client Sample ID: MP04_112923 **York Sample ID:** 23K1783-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23K1783	170527801	Soil Vapor	November 29, 2023 9:49 am	11/29/2023

VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		ug/m³	0.543	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
593-60-2	Vinyl bromide	ND		ug/m³	0.674	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		
75-01-4	Vinyl Chloride	ND		ug/m³	0.197	1.541	EPA TO-15	12/03/2023 12:00	12/03/2023 22:56	VH
							Certifications:	NELAC-NY12058,NJDEP-NY037		

Analytical Batch Summary

Batch ID: BL30268 **Preparation Method:** EPA TO15 PREP **Prepared By:** YR

YORK Sample ID	Client Sample ID	Preparation Date
23K1783-01	EA01_112923	12/03/23
23K1783-02	MP01_112923	12/03/23
23K1783-03	MP02_112923	12/03/23
23K1783-04	MP03_112923	12/03/23
23K1783-05	MP04_112923	12/03/23
BL30268-BLK1	Blank	12/03/23
BL30268-BS1	LCS	12/03/23
BL30268-DUP1	Duplicate	12/03/23

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30268 - EPA TO15 PREP											
Blank (BL30268-BLK1) Blank									Prepared & Analyzed: 12/03/2023		
1,1,1,2-Tetrachloroethane	ND	0.687	ug/m³								
1,1,1-Trichloroethane	ND	0.546	"								
1,1,2,2-Tetrachloroethane	ND	0.687	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.766	"								
1,1,2-Trichloroethane	ND	0.546	"								
1,1-Dichloroethane	ND	0.405	"								
1,1-Dichloroethylene	ND	0.198	"								
1,2,4-Trichlorobenzene	ND	0.742	"								
1,2,4-Trimethylbenzene	ND	0.492	"								
1,2-Dibromoethane	ND	0.768	"								
1,2-Dichlorobenzene	ND	0.601	"								
1,2-Dichloroethane	ND	0.405	"								
1,2-Dichloropropane	ND	0.462	"								
1,2-Dichlorotetrafluoroethane	ND	0.699	"								
1,3,5-Trimethylbenzene	ND	0.492	"								
1,3-Butadiene	ND	0.664	"								
1,3-Dichlorobenzene	ND	0.601	"								
1,3-Dichloropropane	ND	0.462	"								
1,4-Dichlorobenzene	ND	0.601	"								
1,4-Dioxane	ND	0.721	"								
2-Butanone	ND	0.295	"								
2-Hexanone	ND	0.819	"								
3-Chloropropene	ND	1.57	"								
4-Methyl-2-pentanone	ND	0.410	"								
Acetone	ND	0.475	"								
Acrylonitrile	ND	0.217	"								
Benzene	ND	0.319	"								
Benzyl chloride	ND	0.518	"								
Bromodichloromethane	ND	0.670	"								
Bromoform	ND	1.03	"								
Bromomethane	ND	0.388	"								
Carbon disulfide	ND	0.311	"								
Carbon tetrachloride	ND	0.157	"								
Chlorobenzene	ND	0.460	"								
Chloroethane	ND	0.264	"								
Chloroform	ND	0.488	"								
Chloromethane	ND	0.207	"								
cis-1,2-Dichloroethylene	ND	0.198	"								
cis-1,3-Dichloropropylene	ND	0.454	"								
Cyclohexane	ND	0.344	"								
Dibromochloromethane	ND	0.852	"								
Dichlorodifluoromethane	ND	0.495	"								
Ethyl acetate	ND	0.721	"								
Ethyl Benzene	ND	0.434	"								
Hexachlorobutadiene	ND	1.07	"								
Isopropanol	ND	0.492	"								
Methyl Methacrylate	ND	0.409	"								
Methyl tert-butyl ether (MTBE)	ND	0.361	"								
Methylene chloride	ND	0.695	"								
n-Heptane	ND	0.410	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30268 - EPA TO15 PREP											
Blank (BL30268-BLK1) Blank								Prepared & Analyzed: 12/03/2023			
n-Hexane	ND	0.352	ug/m³								
o-Xylene	ND	0.434	"								
p- & m- Xylenes	ND	0.868	"								
p-Ethyltoluene	ND	0.492	"								
Propylene	ND	0.172	"								
Styrene	ND	0.426	"								
Tetrachloroethylene	ND	0.678	"								
Tetrahydrofuran	ND	0.590	"								
Toluene	ND	0.377	"								
trans-1,2-Dichloroethylene	ND	0.396	"								
trans-1,3-Dichloropropylene	ND	0.454	"								
Trichloroethylene	ND	0.134	"								
Trichlorofluoromethane (Freon 11)	ND	0.562	"								
Vinyl acetate	ND	0.352	"								
Vinyl bromide	ND	0.437	"								
Vinyl Chloride	ND	0.128	"								
LCS (BL30268-BS1) LCS								Prepared & Analyzed: 12/03/2023			
1,1,1,2-Tetrachloroethane	10.9		ppbv	10.0		109	70-130				
1,1,1-Trichloroethane	13.5		"	10.0		135	70-130	High Bias			
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.2		"	10.0		122	70-130				
1,1,2-Trichloroethane	10.7		"	10.0		107	70-130				
1,1-Dichloroethane	11.2		"	10.0		112	70-130				
1,1-Dichloroethylene	12.4		"	10.0		124	70-130				
1,2,4-Trichlorobenzene	10.6		"	10.0		106	70-130				
1,2,4-Trimethylbenzene	11.6		"	10.0		116	70-130				
1,2-Dibromoethane	11.1		"	10.0		111	70-130				
1,2-Dichlorobenzene	10.9		"	10.0		109	70-130				
1,2-Dichloroethane	12.2		"	10.0		122	70-130				
1,2-Dichloropropane	9.92		"	10.0		99.2	70-130				
1,2-Dichlorotetrafluoroethane	12.5		"	10.0		125	70-130				
1,3,5-Trimethylbenzene	11.2		"	10.0		112	70-130				
1,3-Butadiene	11.3		"	10.0		113	70-130				
1,3-Dichlorobenzene	11.1		"	10.0		111	70-130				
1,3-Dichloropropane	10.7		"	10.0		107	70-130				
1,4-Dichlorobenzene	11.0		"	10.0		110	70-130				
1,4-Dioxane	10.0		"	10.0		100	70-130				
2-Butanone	10.1		"	10.0		101	70-130				
2-Hexanone	9.17		"	10.0		91.7	70-130				
3-Chloropropene	10.6		"	10.0		106	70-130				
4-Methyl-2-pentanone	9.63		"	10.0		96.3	70-130				
Acetone	11.0		"	10.0		110	70-130				
Acrylonitrile	10.0		"	10.0		100	70-130				
Benzene	11.4		"	10.0		114	70-130				
Benzyl chloride	13.2		"	10.0		132	70-130	High Bias			
Bromodichloromethane	10.9		"	10.0		109	70-130				
Bromoform	5.96		"	10.0		59.6	70-130	Low Bias			
Bromomethane	12.6		"	10.0		126	70-130				
Carbon disulfide	11.0		"	10.0		110	70-130				
Carbon tetrachloride	14.0		"	10.0		140	70-130	High Bias			

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30268 - EPA TO15 PREP											
LCS (BL30268-BS1) LCS								Prepared & Analyzed: 12/03/2023			
Chlorobenzene	10.2		ppbv	10.0		102	70-130				
Chloroethane	11.0		"	10.0		110	70-130				
Chloroform	12.4		"	10.0		124	70-130				
Chloromethane	10.2		"	10.0		102	70-130				
cis-1,2-Dichloroethylene	11.4		"	10.0		114	70-130				
cis-1,3-Dichloropropylene	11.6		"	10.0		116	70-130				
Cyclohexane	11.7		"	10.0		117	70-130				
Dibromochloromethane	9.51		"	10.0		95.1	70-130				
Dichlorodifluoromethane	12.2		"	10.0		122	70-130				
Ethyl acetate	10.5		"	10.0		105	70-130				
Ethyl Benzene	11.0		"	10.0		110	70-130				
Hexachlorobutadiene	10.1		"	10.0		101	70-130				
Isopropanol	10.6		"	10.0		106	70-130				
Methyl Methacrylate	10.9		"	10.0		109	70-130				
Methyl tert-butyl ether (MTBE)	13.3		"	10.0		133	70-130	High Bias			
Methylene chloride	10.2		"	10.0		102	70-130				
n-Heptane	11.1		"	10.0		111	70-130				
n-Hexane	11.4		"	10.0		114	70-130				
o-Xylene	11.6		"	10.0		116	70-130				
p- & m- Xylenes	22.4		"	20.0		112	70-130				
p-Ethyltoluene	12.1		"	10.0		121	70-130				
Propylene	8.48		"	10.0		84.8	70-130				
Styrene	12.0		"	10.0		120	70-130				
Tetrachloroethylene	11.0		"	10.0		110	70-130				
Tetrahydrofuran	9.95		"	10.0		99.5	70-130				
Toluene	10.4		"	10.0		104	70-130				
trans-1,2-Dichloroethylene	11.7		"	10.0		117	70-130				
trans-1,3-Dichloropropylene	11.6		"	10.0		116	70-130				
Trichloroethylene	10.6		"	10.0		106	70-130				
Trichlorofluoromethane (Freon 11)	13.1		"	10.0		131	70-130	High Bias			
Vinyl acetate	10.0		"	10.0		100	70-130				
Vinyl bromide	13.0		"	10.0		130	70-130				
Vinyl Chloride	11.5		"	10.0		115	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30268 - EPA TO15 PREP											
Duplicate (BL30268-DUP1) Duplicate	*Source sample: 23K1783-03 (MP02_112923)								Prepared & Analyzed: 12/03/2023		
1,1,1,2-Tetrachloroethane	ND	2.26	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	1.79	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	2.26	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.52	"		ND					25	
1,1,2-Trichloroethane	ND	1.79	"		ND					25	
1,1-Dichloroethane	ND	1.33	"		ND					25	
1,1-Dichloroethylene	ND	0.651	"		ND					25	
1,2,4-Trichlorobenzene	ND	2.44	"		ND					25	
1,2,4-Trimethylbenzene	ND	1.62	"		ND					25	
1,2-Dibromoethane	ND	2.52	"		ND					25	
1,2-Dichlorobenzene	ND	1.98	"		ND					25	
1,2-Dichloroethane	ND	1.33	"		ND					25	
1,2-Dichloropropane	ND	1.52	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	2.30	"		ND					25	
1,3,5-Trimethylbenzene	ND	1.62	"		ND					25	
1,3-Butadiene	ND	2.18	"		ND					25	
1,3-Dichlorobenzene	ND	1.98	"		ND					25	
1,3-Dichloropropane	ND	1.52	"		ND					25	
1,4-Dichlorobenzene	ND	1.98	"		ND					25	
1,4-Dioxane	ND	2.37	"		ND					25	
2-Butanone	21.7	0.969	"		21.9				0.889	25	
2-Hexanone	ND	2.69	"		ND					25	
3-Chloropropene	ND	5.14	"		ND					25	
4-Methyl-2-pentanone	ND	1.35	"		ND					25	
Acetone	22.2	1.56	"		22.4				0.699	25	
Acrylonitrile	ND	0.713	"		ND					25	
Benzene	ND	1.05	"		ND					25	
Benzyl chloride	ND	1.70	"		ND					25	
Bromodichloromethane	ND	2.20	"		ND					25	
Bromoform	ND	3.40	"		ND					25	
Bromomethane	ND	1.28	"		ND					25	
Carbon disulfide	ND	1.02	"		ND					25	
Carbon tetrachloride	ND	0.517	"		0.620					25	
Chlorobenzene	ND	1.51	"		ND					25	
Chloroethane	ND	0.867	"		ND					25	
Chloroform	ND	1.60	"		ND					25	
Chloromethane	ND	0.679	"		ND					25	
cis-1,2-Dichloroethylene	0.651	0.651	"		0.782				18.2	25	
cis-1,3-Dichloropropylene	ND	1.49	"		ND					25	
Cyclohexane	ND	1.13	"		ND					25	
Dibromochloromethane	ND	2.80	"		ND					25	
Dichlorodifluoromethane	3.90	1.62	"		3.90				0.00	25	
Ethyl acetate	0.947	2.37	"		1.07				11.8	25	
Ethyl Benzene	ND	1.43	"		ND					25	
Hexachlorobutadiene	ND	3.50	"		ND					25	
Isopropanol	6.95	1.62	"		6.70				3.55	25	
Methyl Methacrylate	ND	1.35	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	1.18	"		ND					25	
Methylene chloride	ND	2.28	"		ND					25	
n-Heptane	ND	1.35	"		ND					25	
n-Hexane	ND	1.16	"		ND					25	

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL30268 - EPA TO15 PREP											
Duplicate (BL30268-DUP1) Duplicate	*Source sample: 23K1783-03 (MP02_112923)								Prepared & Analyzed: 12/03/2023		
o-Xylene	ND	1.43	ug/m³		ND					25	
p- & m- Xylenes	ND	2.85	"		ND					25	
p-Ethyltoluene	ND	1.62	"		ND					25	
Propylene	ND	0.566	"		ND					25	
Styrene	ND	1.40	"		ND					25	
Tetrachloroethylene	203	2.23	"		201				1.21	25	
Tetrahydrofuran	212	1.94	"		213				0.593	25	
Toluene	0.991	1.24	"		0.991				0.00	25	
trans-1,2-Dichloroethylene	ND	1.30	"		ND					25	
trans-1,3-Dichloropropylene	ND	1.49	"		ND					25	
Trichloroethylene	1.24	0.441	"		1.41				13.3	25	
Trichlorofluoromethane (Freon 11)	2.77	1.85	"		2.77				0.00	25	
Vinyl acetate	ND	1.16	"		ND					25	
Vinyl bromide	ND	1.44	"		ND					25	
Vinyl Chloride	ND	0.420	"		ND					25	

Sample and Data Qualifiers Relating to This Work Order

TO-LCS-L	The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
TO-LCS-H	The result reported for this compound may be biased high due to its behavior in the analysis batch LCS where it recovered greater than 130% of the expected value.
TO-CCV	The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

York Analytical Laboratories, Inc.
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Field Chain-of-Custody Record - AIR

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 23K1783

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: Langan DPC	Company:	Company:
Address: 360 W 31st Street, NY, NY 10001, Suite 8	Address:	Address:
Phone.: 212 479 5400	Phone.:	Phone.:
Contact: Vinicius De Paula	Contact:	Contact:
E-mail: vdepaula@langan.com	E-mail:	E-mail:

YOUR Project Number: 170527801

YOUR Project Name: 702 Nostrand Avenue

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below) Audrey Seery

Air Matrix Codes

AI - Indoor Ambient Air
AO - Outdoor Amb. Air
AE - Vapor Extraction Well/ Process Gas/Effluent
AS - Soil Vapor/Sub-Slab

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

(Summary Report)	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliv.	NYSDEC EQuIS
(NY ASP B Package)	NJDKQP	NJDEP SRP HazSite
Other:		

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ___ ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
EA01_112923	11/29/23 13:06	AE	-30	-7	23196	19421	(Effluent Air sample) TO-15 VOCs
MP01_112923	11/29/23 9:48	AS	-30	-6	36991	13565	TO-15 VOCs
MP02_112923	11/29/23 9:48	AS	-30	-5	20949	7269	TO-15 VOCs
MP03_112923	11/29/23 9:49	AS	-30	-8	48293	16422	TO-15 VOCs
MP04_112923	11/29/23 9:49	AS	-30	-5	28850	7080	TO-15 VOCs

Comments:

Detection Limits Required

≤ 1 ug/m³ ___ NYSDEC V1 Limits ___
Routine Survey ___ Other ___

Sampling Media

6 Liter Canister	X
Tedlar Bag	

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Audrey Seery / Langan	11/29/23 13:45	[illegible]	11/29/23 1345	[illegible]	
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				[illegible]	11/30/23 1059