

April 21, 2025

Shawn Roberts, E.I.T.
New York Department of Environmental Conservation
625 Broadway
Albany, New York 12233

**Re: Vapor Intrusion Evaluation Report
26-32 Jackson Avenue
Queens, New York
NYSDEC BCP Site No.: C241217
Langan Project No.: 170472001**

Dear Mr. Roberts:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) prepared this technical memorandum on behalf of Italic Realty, L.L.C., 26-32 Jackson Ave LLC, and 2632 Property Owner LLC to document the analytical results of the soil vapor intrusion (SVI) evaluation conducted at 26-23 Jackson Avenue, Queens, New York (the site) between February 20 and 21, 2025. The SVI evaluation was conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved December 2022 Site Management Plan (SMP) and February 7, 2025 e-mail correspondence approving the indoor air sampling methodology (included as Appendix A). The SVI evaluation included the collection of four indoor air samples and one outdoor ambient air sample over a 24-hour period to assess indoor air quality.

The original Volunteer, 26-32 Jackson Ave LLC, was accepted into the NYSDEC Brownfield Cleanup Program (BCP) to investigate and remediate the site pursuant to Brownfield Cleanup Agreement (BCA) Index No. C241217-01-19 executed on February 1, 2019; the site was assigned BCP Site No. C241217. The following amendments were made to the BCA:

- On May 18, 2022, the BCA was amended to transfer ownership from the prior site owner, 2632 Jackson LLC, to a new site owner, 2632 Property Owner LLC. The new site owner is an affiliate of the existing Volunteer, 26-32 Jackson Ave LLC, and the site remains within the same organizational family. This amendment also added 2632 Property Owner LLC to the BCA as an additional Volunteer.
- On October 21, 2022, the BCA was again amended to submit an affordable housing Restrictive Declaration, dated June 30, 2020, executed by 2632 Property Owner LLC for the benefit of City of New York acting by and through its Department of Housing and

Preservation (NYCHPD), for the purposes of acquiring a tangible property tax credit eligibility determination for the BCP site.

- On or about December 23, 2022, the BCA was again amended to add long-term tenant 2632 Jackson Devco LLC as an owner.

The current owner and Remedial Party for the site is Italic Realty, L.L.C. A Track 2 remedy was implemented at the site, which was documented and defined in the December 2022 Final Engineering Report (FER) and SMP. The NYSDEC issued a Certificate of Completion (COC) for the site on December 29, 2022.

The approximately 10,000-square-foot (0.230-acre) site is located at 26-32 Jackson Avenue in the Long Island City neighborhood of Queens, New York and is identified on the Borough of Queens Tax Map as Block 267, Lot 21. The site is bound by Jackson Avenue followed by a 24-story mixed-use commercial and residential building (BCP Site No. C241209) to the north, a vacant lot and the Ed Koch Queensboro Bridge on-ramp (elevated) to the east, vacant land and the Ed Koch Queensboro Bridge on-ramp (elevated) to the south, and a 12-story mixed-use commercial and residential building to the west. The Metropolitan Transit Authority (MTA) "E" and "M" subway lines are located beneath Jackson Avenue directly north of the site. Prior to remediation, the site was occupied by residences, offices, and various commercial operations including a garage with a gasoline tank, an electric supplies warehouse, and an automotive parts center. The site is nearing completion of a 51-story, mixed-use residential and commercial building with a cellar level that occupies the entire site footprint. A site location map is included as Figure 1.

Indoor Air Sampling

Methodology

The February 2025 SVI evaluation was conducted in accordance the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York (including subsequent updates) and the NYSDEC-approved December 2022 SMP.

Four indoor air samples (IA-01 through IA-04) were collected within the cellar level of the building. One outdoor ambient air sample (AA-01) was collected for quality assurance/quality control (QA/QC) purposes. Since the entire building foundation is beneath the groundwater table, sub-slab vapor samples could not be collected from beneath the building slab. Sample locations are shown on Figure 2. A photograph log documenting the SVI evaluation is included as Appendix B.

The air samples were collected at breathing height (about 3 to 4 feet above grade surface) using laboratory-provided, batch-certified, 6-liter Summa® air canisters equipped with 24-hour sample interval flow controllers. The air samples were sealed, labeled, and transported via courier service under chain-of-custody protocol to the laboratory for volatile organic compounds (VOC) analysis via United States Environmental Protection Agency (USEPA) Method TO-15. The air samples

were submitted to York Analytical Laboratories, Inc. (York) of Richmond Hill, New York, a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory (ELAP No. 12058). Sampling logs are included as Appendix C.

A NYSDOH Indoor Air Quality Questionnaire and Building Inventory form was completed during the sampling event to document site characteristics that may influence sample results, including background VOC levels by screening with a ppbRAE 3000 photoionization detector (PID), and the chemical inventory. The completed NYSDOH questionnaire is included as Appendix D.

Field Observations and Sample Results

The building's cellar was screened with a ppbRAE and detected levels of non-specific VOCs between 80 and 267 parts per billion (ppb). The chemical inventory identified the storage of latex-based adhesive within the building cellar; although the stored items were not observed within the rooms where the indoor air samples were collected, the chemicals may have still affected the indoor air in the building at the time of sampling. Chlorinated compounds (e.g., methylene chloride, carbon tetrachloride, tetrachloroethene, trichloroethene, trichlorofluoromethane) were not identified from the building product inventory and were either non-detect or detected at a concentration that would not warrant monitoring or mitigation. The presence of chlorinated compounds in indoor air is attributed to an unidentified source within the building. Petroleum compounds (e.g., benzene, 1,3,5-trimethylbenzene, naphthalene, heptane, toluene) were either non-detect or detected at a concentration that would not warrant monitoring or mitigation. The presence of petroleum compounds in indoor air is attributed to an unidentified source within the building and/or the latex-based adhesive identified during the building inventory.

VOCs were not detected in indoor air samples above the NYSDOH air guidance values (AGV). Sample results are shown on Table 1.

Data Validation

Langan validated the sample analytical data in accordance with the Quality Assurance Project Plan (QAPP) included in the NYSDEC-approved December 2022 SMP. A Data Usability Summary Report (DUSR) was completed and is included as Appendix E. All data are considered usable, as qualified. Completeness, defined as the percentage of analytical results that are judged to be valid, is 100%. The laboratory analytical data report is included as Appendix F.

Conclusion

VOCs were not detected above the NYSDOH AGVs in any indoor air samples collected during the SVI evaluation. Results of the SVI evaluation confirmed that soil vapor intrusion is not a concern at the site; therefore, Langan proposes discontinuation of the SMP and subsequent extinguishment of the environmental easement for the site.

Sincerely,

**Langan Engineering, Environmental, Surveying
Landscape Architecture, and Geology, D.P.C.**



Brian Gochenaur, QEP
Associate Principal

Enclosure(s):

Table 1 – Indoor and Ambient Air Sample Results

Figure 1 – Site Location Map

Figure 2 – Sample Location Map

Attachment A – NYSDEC Email Correspondence

Attachment B – Photograph Log

Attachment C – Air Sampling Logs

Attachment D – NYSDOH IAQ Questionnaire and Building Inventory

Attachment E – Data Usability Summary Report

Attachment F – Laboratory Analytical Report

TABLE

Table 1
Soil Vapor Intrusion Evaluation
Indoor and Ambient Air Sample Analytical Results

26-32 Jackson Avenue
Long Island City, New York
NYSDEC BCP Site No.: C241217
Langan Project No.: 170472001

Analyte	CAS Number	NYSDOH AGVs	Location	AA-01	IA-01	IA-02	IA-03	IA-04
			Sample Name	AA-01_202125	IA-01_202125	IA-02_202125	IA-03_202125	IA-04_202125
			Sample Date	02/21/2025	02/21/2025	02/21/2025	02/21/2025	02/21/2025
			Sample Type	AA	IA	IA	IA	IA
			Unit	Result	Result	Result	Result	Result
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	630-20-6	NS	ug/m3	<0.6 U	<0.64 U	<0.64 U	<1 UJ	<0.62 U
1,1,1-Trichloroethane	71-55-6	NS	ug/m3	<0.48 U	<0.51 U	<0.51 U	<0.81 UJ	<0.5 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	ug/m3	<0.6 U	<0.64 U	<0.64 U	<1 UJ	<0.62 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	ug/m3	<0.67 U	<0.71 U	<0.71 U	<1.1 UJ	<0.7 U
1,1,2-Trichloroethane	79-00-5	NS	ug/m3	<0.48 U	<0.51 U	<0.51 U	<0.81 UJ	<0.5 U
1,1-Dichloroethane	75-34-3	NS	ug/m3	<0.35 U	<0.38 U	<0.38 U	<0.6 UJ	<0.37 U
1,1-Dichloroethene	75-35-4	NS	ug/m3	<0.087 U	<0.092 U	<0.092 U	<0.15 UJ	<0.09 U
1,2,4-Trichlorobenzene	120-82-1	NS	ug/m3	<0.65 U	<0.69 U	<0.69 U	<1.1 UJ	<0.68 U
1,2,4-Trimethylbenzene	95-63-6	NS	ug/m3	<0.43 U	1.1 D	1.5 D	1.3 J	2.7 D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	ug/m3	<0.67 U	<0.71 U	<0.72 U	<1.1 UJ	<0.7 U
1,2-Dichlorobenzene	95-50-1	NS	ug/m3	<0.53 U	<0.56 U	<0.56 U	<0.9 UJ	<0.55 U
1,2-Dichloroethane	107-06-2	NS	ug/m3	<0.35 U	<0.38 U	<0.38 U	<0.6 UJ	<0.37 U
1,2-Dichloropropane	78-87-5	NS	ug/m3	<0.4 U	<0.43 U	<0.43 U	<0.69 UJ	<0.42 U
1,2-Dichlorotetrafluoroethane	76-14-2	NS	ug/m3	<0.61 U	<0.65 U	<0.65 U	<1 UJ	<0.64 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NS	ug/m3	<0.43 U	<0.46 U	<0.46 U	<0.73 UJ	0.67 D
1,3-Butadiene	106-99-0	NS	ug/m3	<0.58 U	<0.62 U	<0.62 U	<0.99 UJ	<0.6 U
1,3-Dichlorobenzene	541-73-1	NS	ug/m3	<0.53 U	<0.56 U	<0.56 U	<0.9 UJ	<0.55 U
1,3-Dichloropropane	142-28-9	NS	ug/m3	<0.4 U	<0.43 U	<0.43 U	<0.69 UJ	<0.42 U
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<0.53 U	<0.56 U	<0.56 U	<0.9 UJ	<0.55 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/m3	<0.63 U	<0.67 U	<0.67 U	<1.1 UJ	<0.66 U
2,2,4-Trimethylpentane	540-84-1	NS	ug/m3	0.37 D	0.26 D	0.65 D	0.42 J	<0.11 U
2-Hexanone (MBK)	591-78-6	NS	ug/m3	<0.72 U	<0.76 U	<0.76 U	<1.2 UJ	<0.75 U
4-Ethyltoluene	622-96-8	NS	ug/m3	<0.43 U	0.73 D	0.96 D	0.81 J	1.5 D
Acetone	67-64-1	NS	ug/m3	19 D	11 D	58 D	24 J	NA
Acrylonitrile	107-13-1	NS	ug/m3	42 D	5.9 D	4.8 D	14 J	5.9 D
Allyl Chloride (3-Chloropropene)	107-05-1	NS	ug/m3	<1.4 U	<1.5 U	<1.5 U	<2.3 UJ	<1.4 U
Benzene	71-43-2	NS	ug/m3	0.67 D	0.65 D	0.98 D	0.76 J	0.87 D
Benzyl Chloride	100-44-7	NS	ug/m3	<0.45 U	<0.48 U	<0.48 U	<0.77 UJ	<0.47 U
Bromodichloromethane	75-27-4	NS	ug/m3	<0.59 U	<0.62 U	<0.62 U	<1 UJ	<0.61 U
Bromoethene	593-60-2	NS	ug/m3	<0.38 U	<0.41 U	<0.41 U	<0.65 UJ	<0.4 U
Bromoform	75-25-2	NS	ug/m3	<0.9 U	<0.96 U	<0.96 U	<1.5 UJ	<0.94 U
Bromomethane	74-83-9	NS	ug/m3	<0.34 U	<0.36 U	<0.36 U	<0.58 UJ	<0.35 U
Carbon Disulfide	75-15-0	NS	ug/m3	<0.27 U	<0.29 U	<0.29 U	<0.46 UJ	1.1 D
Carbon Tetrachloride	56-23-5	NS	ug/m3	0.44 D	0.41 D	0.41 D	0.47 J	0.46 D
Chlorobenzene	108-90-7	NS	ug/m3	<0.4 U	<0.43 U	<0.43 U	<0.69 UJ	<0.42 U
Chloroethane	75-00-3	NS	ug/m3	<0.23 U	<0.24 U	<0.25 U	<0.39 UJ	<0.24 U
Chloroform	67-66-3	NS	ug/m3	<0.43 U	<0.45 U	0.77 D	<0.73 UJ	0.67 D
Chloromethane	74-87-3	NS	ug/m3	1.2 D	1.2 D	1.5 D	1.3 J	1.3 D
Cis-1,2-Dichloroethene	156-59-2	NS	ug/m3	0.42 D	<0.092 U	0.15 D	<0.15 UJ	<0.09 U
Cis-1,3-Dichloropropene	10061-01-5	NS	ug/m3	<0.4 U	<0.42 U	<0.42 U	<0.68 UJ	<0.41 U
Cyclohexane	110-82-7	NS	ug/m3	<0.3 U	<0.32 U	1.4 D	<0.51 UJ	9.8 D
Dibromochloromethane	124-48-1	NS	ug/m3	<0.75 U	<0.79 U	<0.79 U	<1.3 UJ	<0.78 U
Dichlorodifluoromethane	75-71-8	NS	ug/m3	2.3 D	2.3 D	2.2 D	2.3 J	2.2 D
Ethyl Acetate	141-78-6	NS	ug/m3	2.2 D	1.6 D	4.9 D	4.9 J	9.7 D
Ethylbenzene	100-41-4	NS	ug/m3	<0.38 U	0.48 D	3 D	0.97 J	2.5 D
Hexachlorobutadiene	87-68-3	NS	ug/m3	<0.93 U	<0.99 U	<0.99 U	<1.6 UJ	<0.97 U
Isopropanol	67-63-0	NS	ug/m3	2.2 J	2.3 J	8.7 D	7 J	11 D
M,P-Xylene	179601-23-1	NS	ug/m3	1.2 D	1.7 D	11 D	3.9 J	7 D
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	0.65 D	0.85 D	4 D	2 J	6.7 D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/m3	<0.36 U	0.53 D	0.42 D	<0.61 UJ	4.5 D
Methyl Methacrylate	80-62-6	NS	ug/m3	<0.36 U	<0.38 U	9.6 D	6.8 J	33 D
Methylene Chloride	75-09-2	60	ug/m3	<0.61 U	<0.64 U	1 JD	1.3 J	0.89 JD
Naphthalene	91-20-3	NS	ug/m3	<0.92 U	<0.97 U	<0.98 U	<1.6 UJ	<0.95 U
n-Heptane	142-82-5	NS	ug/m3	<0.36 U	<0.38 U	0.65 D	<0.61 UJ	0.97 D
n-Hexane	110-54-3	NS	ug/m3	<0.31 U	<0.33 U	0.75 D	0.63 J	0.99 D
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	ug/m3	0.42 D	0.6 D	3.8 D	1.4 J	2.8 D
Propylene	115-07-1	NS	ug/m3	0.66 D	0.67 D	<0.16 U	<0.26 UJ	1.3 D
Styrene	100-42-5	NS	ug/m3	<0.37 U	0.87 D	2.3 D	1 J	8.3 D
Tert-Butyl Methyl Ether	1634-04-4	NS	ug/m3	<0.32 U	<0.33 U	<0.34 U	<0.54 UJ	<0.33 U
Tetrachloroethene (PCE)	127-18-4	30	ug/m3	1.5 D	<0.63 U	<0.63 U	<1 UJ	<0.62 U
Tetrahydrofuran	109-99-9	NS	ug/m3	<0.52 U	<0.55 U	2.9 D	<0.88 UJ	5.2 D
Toluene	108-88-3	NS	ug/m3	1.1 D	1.3 D	4.2 D	3 J	7.2 D
Trans-1,2-Dichloroethene	156-60-5	NS	ug/m3	<0.35 U	<0.37 U	<0.37 U	<0.59 UJ	<0.36 U
Trans-1,3-Dichloropropene	10061-02-6	NS	ug/m3	<0.4 U	<0.42 U	<0.42 U	<0.68 UJ	<0.41 U
Trichloroethene (TCE)	79-01-6	2	ug/m3	<0.12 U	<0.12 U	<0.13 U	<0.2 UJ	<0.12 U
Trichlorofluoromethane	75-69-4	NS	ug/m3	1.2 D	1.1 D	1.2 D	1.2 J	1.1 D
Vinyl Acetate	108-05-4	NS	ug/m3	<0.31 UJ	<0.33 UJ	<0.33 UJ	<0.52 UJ	<0.32 UJ
Vinyl Chloride	75-01-4	NS	ug/m3	<0.11 U	<0.12 U	<0.12 U	<0.19 UJ	<0.12 U
Total VOCs	TOTALVOCs	NS	ug/m3	77.53	35.55	131.74	79.46	130.32

Table 1
Soil Vapor Intrusion Evaluation
Indoor and Ambient Air Sample Analytical Results

Page 2 of 2

26-32 Jackson Avenue
Long Island City, New York
NYSDEC BCP Site No.: C241217
Langan Project No.: 170472001

Notes:

AA - Ambient Air

IA - Indoor Air

CAS - Chemical Abstract Service

NS - No standard

ug/m3 - microgram per cubic meter

NA - Not analyzed

RL - Reporting limit

<RL - Not detected

Indoor air sample analytical results are compared to the New York State Department of Health (NYSDOH) Air Guideline Values (AGVs) as set forth in the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York and subsequent updates (through to 2024).

Ambient air sample analytical results are shown for reference only.

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.

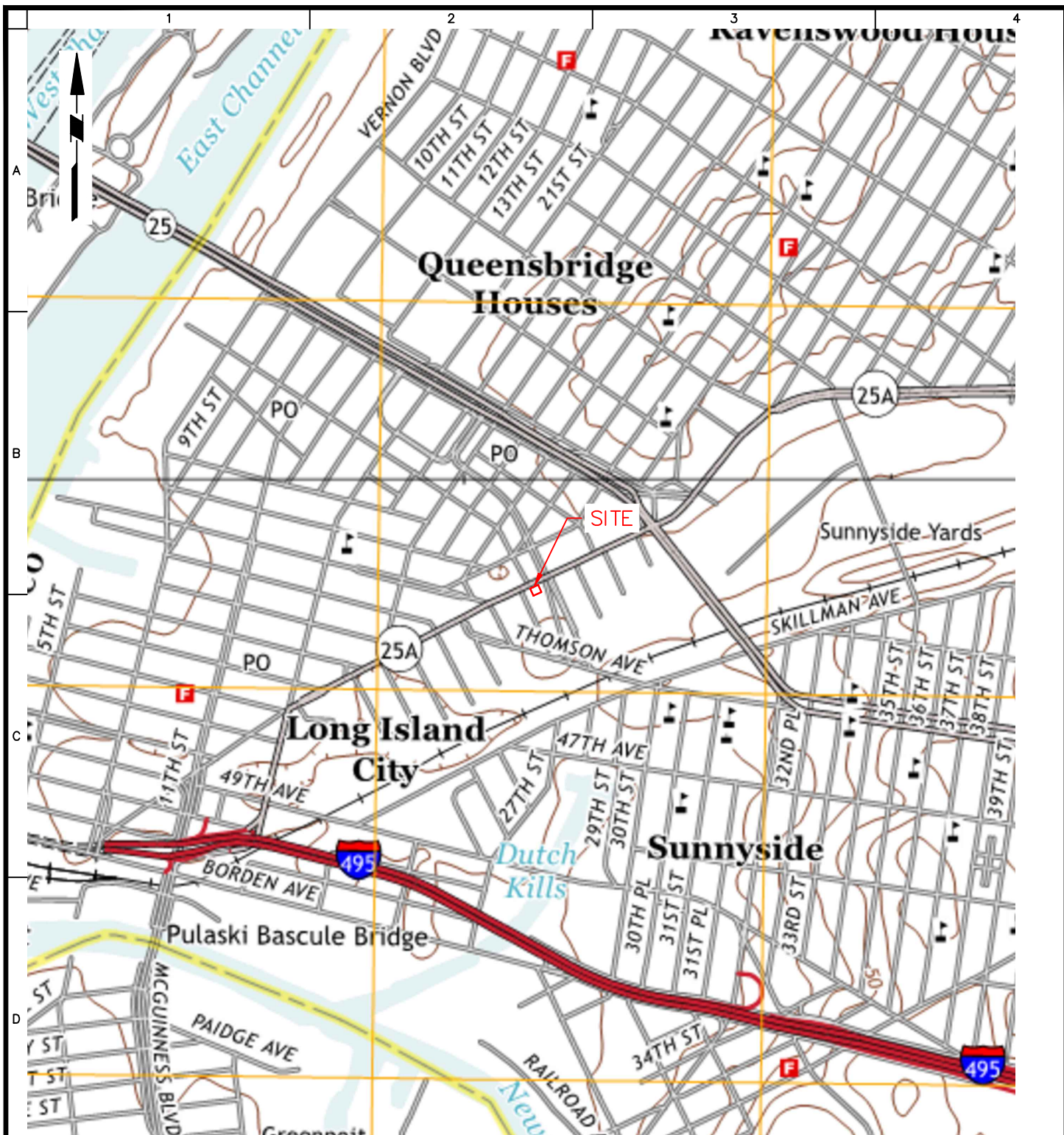
UJ - The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.

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 NYSDOH AGVs

FIGURES



BASEMAP SOURCE: CENTRAL PARK AND BROADWAY, 7.5-MINUTE SERIES, TOPOGRAPHIC QUADRANGLE MAPS, DATED 2013.

— - APPROXIMATE SITE BOUNDARY

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

LANGAN

368 Ninth Avenue, 8th Floor
New York, NY 10001

T: 212.479.5400 F: 212.479.5444 www.langan.com
Langan Engineering, Environmental, Surveying and
Landscape Architecture, D.P.C. S.A.
Langan Engineering, Environmental, Surveying,
Landscape Architecture, and Geology, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

Project

**26-32 JACKSON
AVENUE**

**BLOCK 267, LOT 21
LONG ISLAND CITY**

QUEENS

NEW YORK

Figure Title

**SITE LOCATION
MAP**

Project No.

170472001

Date

04/16/2025

Scale

NTS

Drawn By

Checked By

JFY

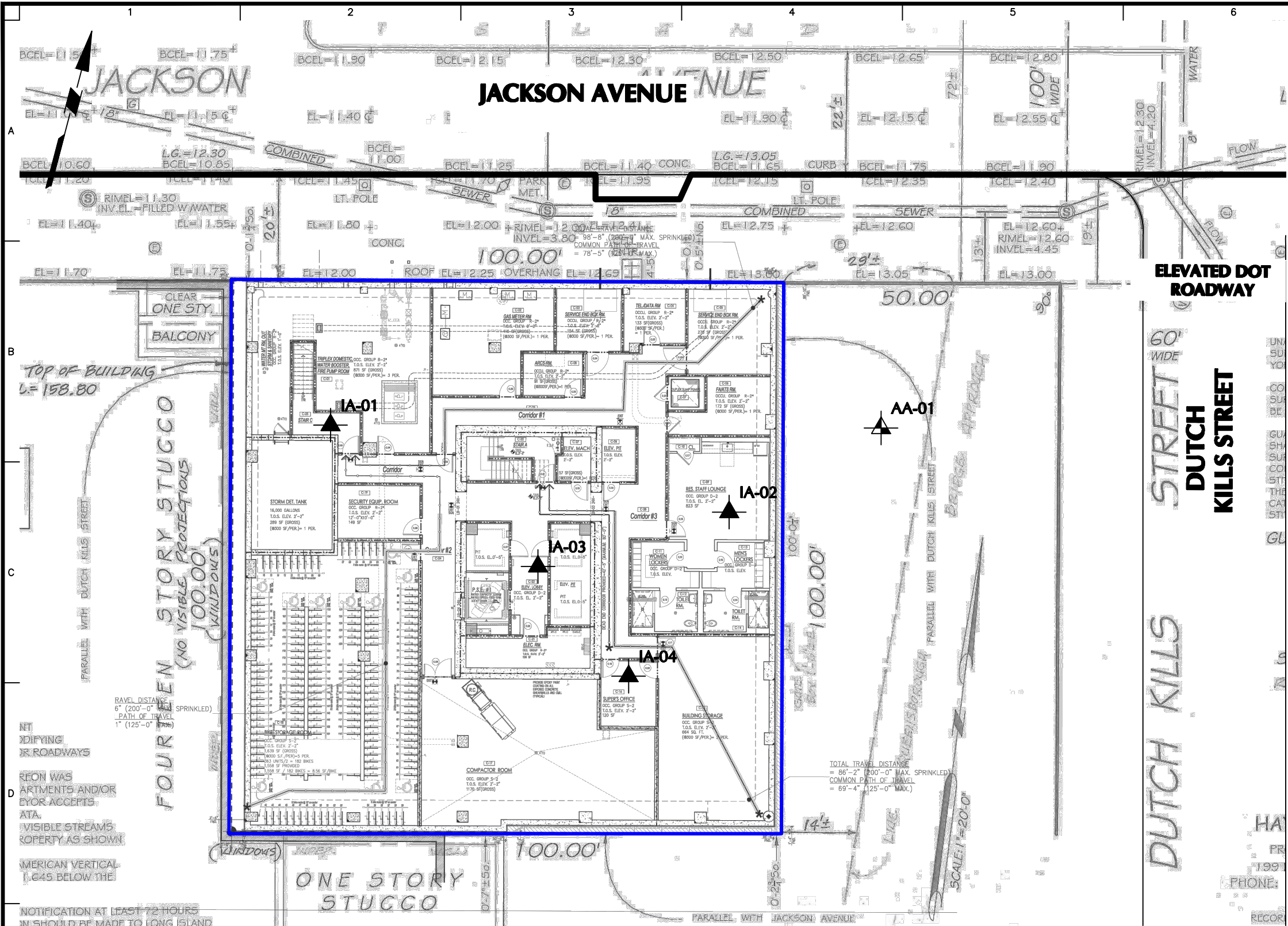
KDC

Submission Date

Figure No.

1

Sheet 1 of 2



LEGEND:

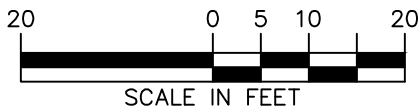
— SITE BOUNDARY

IA-01 ↑ INDOOR AIR SAMPLE LOCATION

AA-01 ↑ AMBIENT AIR SAMPLE LOCATION

- NOTES:**
1. BASE MAP TAKEN FROM SURVEY PREPARED BY HAYNES LAND SURVEYORS, DATED MAY 23, 2017 AND LAST REVISED DECEMBER 8, 2017 AND A-050.00, "CELLAR FLOOR LIFE SAFETY PLAN" PREPARED BY SLCE ARCHITECTS, LLP, DATED SEPTEMBER 16, 2022.
 2. DATUM REFERS TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), WHICH IS APPROXIMATELY 1.1 FEET ABOVE MEAN SEA LEVEL DATUM OF SANDY HOOK, NEW JERSEY AS DEFINED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS NGVD 1929).
 3. ALL LOCATIONS ARE APPROXIMATE.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.



LANGAN
Langan Engineering, Environmental, Surveying,
Landscape Architecture and Geology, D.P.C.
368 Ninth Avenue, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com

Project
26-32 JACKSON AVENUE
BLOCK No. 267, LOT No. 21
QUEENS NEW YORK

Figure Title
SAMPLE LOCATION MAP

Project No.
170472001
Date
04/16/2025
Drawn By
LH
Checked By
KS

Figure No.
2
Sheet 2 of 2

ATTACHMENT A
NYSDEC Email Correspondence

Loagan Clements

From: Roberts, Shawn T (DEC) <Shawn.Roberts@dec.ny.gov>
Sent: Friday, February 7, 2025 3:56 PM
To: Lexi Haley
Cc: Kimberly Semon
Subject: RE: 26-32 Jackson Ave (C241217) - Preparation for SVI Evaluation & 2023-2024 PRR Approval

Lexi,

I do not have any objections to your plan outlined below.

As far as the PRR, I will take a look at it next week and let you know my timeline for approval if I am unable to get you guys an approval by then.

Best,

Shawn Roberts, E.I.T.

Assistant Engineer, Remedial Bureau B, Section E
Division of Environmental Remediation

New York State Department of Environmental Conservation

625 Broadway, Albany, NY 12233-7016

P: (518) 402-9799 | shawn.roberts@dec.ny.gov

www.dec.ny.gov |  |  | 



**Department of
Environmental
Conservation**

From: Lexi Haley <lhaley@langan.com>
Sent: Friday, February 7, 2025 3:51 PM
To: Roberts, Shawn T (DEC) <Shawn.Roberts@dec.ny.gov>
Cc: Kimberly Semon <ksemon@langan.com>
Subject: RE: 26-32 Jackson Ave (C241217) - Preparation for SVI Evaluation & 2023-2024 PRR Approval

You don't often get email from lhaley@langan.com. [Learn why this is important](#)

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Good afternoon Shawn,

Just wanted to follow-up on the below and see if you have any objections to us scheduling this event. We are trying to make sure we schedule before the end of the heating season this year.

Let us know if you have any questions.

Thank you,

Lexi Haley
Senior Staff Engineer



Direct: 212.479.5499 x5656
Mobile: 332.208.2127

[File Sharing Link](#)
www.langan.com

NEW YORK NEW JERSEY CONNECTICUT MASSACHUSETTS PENNSYLVANIA VIRGINIA WASHINGTON, DC
OHIO ILLINOIS NORTH CAROLINA TENNESSEE FLORIDA TEXAS ARIZONA COLORADO UTAH WASHINGTON CALIFORNIA
ATHENS CALGARY DUBAI LONDON PANAMA



From: Lexi Haley
Sent: Tuesday, February 4, 2025 1:37 PM
To: shawn.roberts@dec.ny.gov
Cc: Kimberly Semon <ksemon@langan.com>
Subject: 26-32 Jackson Ave (C241217) - Preparation for SVI Evaluation & 2023-2024 PRR Approval

Good afternoon Shawn,

We are preparing to conduct the SVI evaluation at 26-32 Jackson Avenue (NYSDEC BCP Site No. C241217) in accordance with the SMP to assess indoor air quality and satisfy the soil vapor intrusion requirement as mandated in the NYSDEC-approved March 2022 Decision Document and Remedial Action Work Plan.

As outlined in the FER, SMP, and 2023-2024 PRR, the SVI evaluation will involve collecting indoor air samples within the building's cellar level. As described in the SMP, soil vapor samples are not able to be collected because the building slab sits below the groundwater table. Four indoor air samples and one ambient air sample will be collected in laboratory-supplied, batch-certified clean 6-liter Summa® canisters with calibrated flow controllers over a 24-hour sampling period and analyzed for VOCs using USEPA Method TO-15. Prior to sample collection, a NYSDOH Indoor Air Quality Questionnaire and chemical inventory will be conducted.

The results and recommendations from the SVI evaluation will be summarized in an upcoming report, which will be submitted to NYSDEC and NYSDOH for review. The attached figure illustrates the proposed locations for the indoor air samples, as specified in the SMP, along with a proposed ambient air sample location.

Please let us know if you have any objections regarding the above plan.

On a separate note, I don't believe we ever received the NYSDEC approval letter for the 2023-2024 PRR that was submitted back in June of last year (see attached email correspondence). Can you please send us this approval for our records?

Thank you,

Lexi Haley
Senior Staff Engineer



Direct: 212.479.5499 x5656

Mobile: 332.208.2127

[File Sharing Link](#)

www.langan.com

NEW YORK NEW JERSEY CONNECTICUT MASSACHUSETTS PENNSYLVANIA VIRGINIA WASHINGTON, DC
OHIO ILLINOIS NORTH CAROLINA TENNESSEE FLORIDA TEXAS ARIZONA COLORADO UTAH WASHINGTON CALIFORNIA
ATHENS CALGARY DUBAI LONDON PANAMA



This message may contain confidential, proprietary, or privileged information. Confidentiality or privilege is not intended to be waived or lost by erroneous transmission of this message. If you receive this message in error, please notify the sender immediately by return email and delete this message from your system. Disclosure, use, distribution, or copying of a message or any of its attachments by anyone other than the intended recipient is strictly prohibited.

ATTACHMENT B
Photograph Log



Photo 1: View of indoor air sample (IA-01_022125) in the northeastern part of the site (facing northeast, 2/20/2025).



Photo 2: View of indoor air sample (IA-02_022125) in the northwestern part of the site (facing northwest, 2/20/2025).

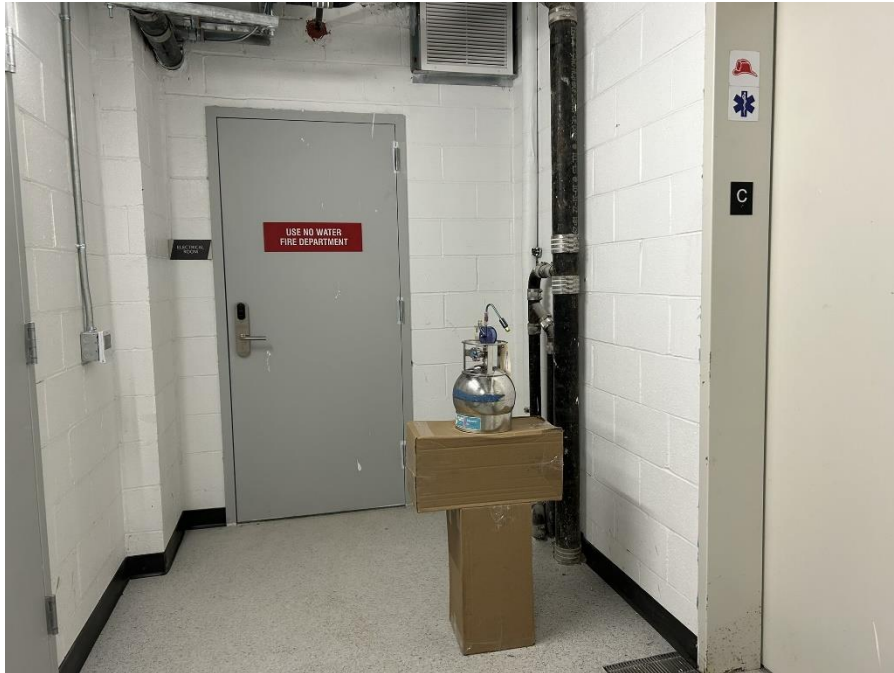


Photo 3: View of indoor air sample (IA-03_022125) in the central part of the site (facing south, 2/20/2025).

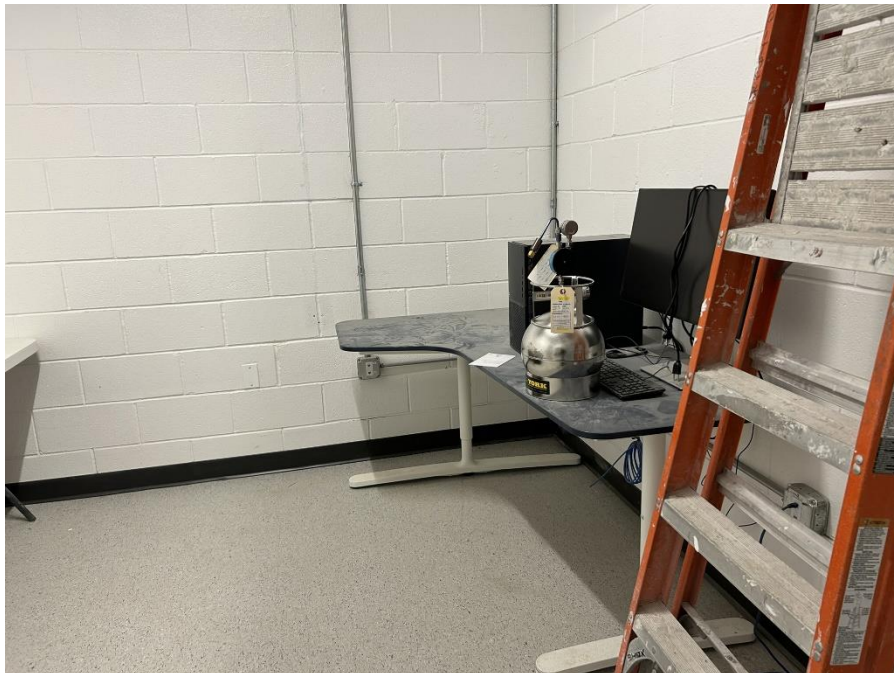


Photo 4: View of indoor air sample (IA-04_022125) in the southwestern part of the site (facing south, 2/20/2025).



Photo 5: View of outdoor ambient air sample (AA-01_022125) along the eastern site boundary (facing north, 2/20/2025).

ATTACHMENT C
Air Sampling Logs

AIR SAMPLING LOG SHEET

Sample Number: IA-01_022125

PROJECT: 26-32 Jackson Avenue	PROJECT NO.: 170472001									
LOCATION: Queens, NY	SURFACE ELEVATION AND DATUM: N/A									
SAMPLER: Loagan Clements	SAMPLE DATE STARTED: 2/20/2025	DATE FINISHED: 2/21/2025								
INSPECTOR: Loagan Clements	TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister									
POTENTIAL SAMPLE INTERFERENCES: N/A	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Temp:</td> <td>21-30°F</td> </tr> <tr> <td>Wind:</td> <td>NW at 12 mph</td> </tr> <tr> <td>Precipitation:</td> <td>Light snow (~0.4 inches)</td> </tr> <tr> <td>Pressure:</td> <td>29.87 inHg</td> </tr> </table>		Temp:	21-30°F	Wind:	NW at 12 mph	Precipitation:	Light snow (~0.4 inches)	Pressure:	29.87 inHg
Temp:	21-30°F									
Wind:	NW at 12 mph									
Precipitation:	Light snow (~0.4 inches)									
Pressure:	29.87 inHg									

METHOD OF INSTALLATION AND SAMPLING:
 Langan field screened the sample location with a MiniRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 24-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 24-hour sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.

SAMPLE DETAILS		SAMPLE LOCATION SKETCH	
HEIGHT ABOVE GROUND (FT):	4	See Sample Location Plan	
PID BEFORE SAMPLE (PPM):	0.1		
SAMPLE START TIME:	11:15		
SAMPLE STOP TIME:	11:15		
TOTAL SAMPLE TIME (MIN):	1440		
REGULATOR FLOW RATE (L/MIN):	0.004		
VOLUME OF SAMPLE (LITERS):	6		
PID AFTER SAMPLE (PPM):	0.1		
SAMPLE MOISTURE CONTENT:	none		
CAN SERIAL NUMBER:	37013		
REGULATOR SERIAL NUMBER:	20949		
CAN START VACUUM PRESS. (" HG):	-30		
CAN STOP VACUUM PRESS. (" HG):	-8		

NOTES

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

AIR SAMPLING LOG SHEET

Sample Number: IA-02_022125

PROJECT: 26-32 Jackson Avenue	PROJECT NO.: 170472001									
LOCATION: Queens, NY	SURFACE ELEVATION AND DATUM: N/A									
SAMPLER: Loagan Clements	SAMPLE DATE STARTED: 2/20/2025	DATE FINISHED: 2/21/2025								
INSPECTOR: Loagan Clements	TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister									
POTENTIAL SAMPLE INTERFERENCES: N/A	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Temp:</td> <td style="width: 50%;">21-30°F</td> </tr> <tr> <td>Wind:</td> <td>NW at 12 mph</td> </tr> <tr> <td>Precipitation:</td> <td>Light snow (~0.4 inches)</td> </tr> <tr> <td>Pressure:</td> <td>29.87 inHg</td> </tr> </table>		Temp:	21-30°F	Wind:	NW at 12 mph	Precipitation:	Light snow (~0.4 inches)	Pressure:	29.87 inHg
Temp:	21-30°F									
Wind:	NW at 12 mph									
Precipitation:	Light snow (~0.4 inches)									
Pressure:	29.87 inHg									

METHOD OF INSTALLATION AND SAMPLING:
 Langan field screened the sample location with a MiniRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 24-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 24-hour sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.

SAMPLE DETAILS	SAMPLE LOCATION SKETCH																										
<table style="width: 100%;"> <tr><td style="width: 60%;">HEIGHT ABOVE GROUND (FT):</td><td style="text-align: center;">4</td></tr> <tr><td>PID BEFORE SAMPLE (PPM):</td><td style="text-align: center;">0.1</td></tr> <tr><td>SAMPLE START TIME:</td><td style="text-align: center;">11:06</td></tr> <tr><td>SAMPLE STOP TIME:</td><td style="text-align: center;">10:31</td></tr> <tr><td>TOTAL SAMPLE TIME (MIN):</td><td style="text-align: center;">1405</td></tr> <tr><td>REGULATOR FLOW RATE (L/MIN):</td><td style="text-align: center;">0.004</td></tr> <tr><td>VOLUME OF SAMPLE (LITERS):</td><td style="text-align: center;">6</td></tr> <tr><td>PID AFTER SAMPLE (PPM):</td><td style="text-align: center;">0.1</td></tr> <tr><td>SAMPLE MOISTURE CONTENT:</td><td style="text-align: center;">none</td></tr> <tr><td>CAN SERIAL NUMBER:</td><td style="text-align: center;">50379</td></tr> <tr><td>REGULATOR SERIAL NUMBER:</td><td style="text-align: center;">20953</td></tr> <tr><td>CAN START VACUUM PRESS. (" HG):</td><td style="text-align: center;">-29</td></tr> <tr><td>CAN STOP VACUUM PRESS. (" HG):</td><td style="text-align: center;">-6</td></tr> </table>	HEIGHT ABOVE GROUND (FT):	4	PID BEFORE SAMPLE (PPM):	0.1	SAMPLE START TIME:	11:06	SAMPLE STOP TIME:	10:31	TOTAL SAMPLE TIME (MIN):	1405	REGULATOR FLOW RATE (L/MIN):	0.004	VOLUME OF SAMPLE (LITERS):	6	PID AFTER SAMPLE (PPM):	0.1	SAMPLE MOISTURE CONTENT:	none	CAN SERIAL NUMBER:	50379	REGULATOR SERIAL NUMBER:	20953	CAN START VACUUM PRESS. (" HG):	-29	CAN STOP VACUUM PRESS. (" HG):	-6	See Sample Location Plan
HEIGHT ABOVE GROUND (FT):	4																										
PID BEFORE SAMPLE (PPM):	0.1																										
SAMPLE START TIME:	11:06																										
SAMPLE STOP TIME:	10:31																										
TOTAL SAMPLE TIME (MIN):	1405																										
REGULATOR FLOW RATE (L/MIN):	0.004																										
VOLUME OF SAMPLE (LITERS):	6																										
PID AFTER SAMPLE (PPM):	0.1																										
SAMPLE MOISTURE CONTENT:	none																										
CAN SERIAL NUMBER:	50379																										
REGULATOR SERIAL NUMBER:	20953																										
CAN START VACUUM PRESS. (" HG):	-29																										
CAN STOP VACUUM PRESS. (" HG):	-6																										

NOTES

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

AIR SAMPLING LOG SHEET

Sample Number: IA-03_022125

PROJECT: 26-32 Jackson Avenue		PROJECT NO.: 170472001									
LOCATION: Queens, NY		SURFACE ELEVATION AND DATUM: N/A									
SAMPLER: Loagan Clements		SAMPLE DATE STARTED: 2/20/2025	DATE FINISHED: 2/21/2025								
INSPECTOR: Loagan Clements		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister									
POTENTIAL SAMPLE INTERFERENCES: N/A		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): <table border="1"> <tr> <td>Temp:</td> <td>21-30°F</td> </tr> <tr> <td>Wind:</td> <td>NW at 12 mph</td> </tr> <tr> <td>Precipitation:</td> <td>Light snow (~0.4 inches)</td> </tr> <tr> <td>Pressure:</td> <td>29.87 inHg</td> </tr> </table>		Temp:	21-30°F	Wind:	NW at 12 mph	Precipitation:	Light snow (~0.4 inches)	Pressure:	29.87 inHg
Temp:	21-30°F										
Wind:	NW at 12 mph										
Precipitation:	Light snow (~0.4 inches)										
Pressure:	29.87 inHg										

METHOD OF INSTALLATION AND SAMPLING:

Langan field screened the sample location with a MiniRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 24-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 24-hour sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.

SAMPLE DETAILS		SAMPLE LOCATION SKETCH
HEIGHT ABOVE GROUND (FT):	0	See Sample Location Plan
PID BEFORE SAMPLE (PPM):	0.1	
SAMPLE START TIME:	11:13	
SAMPLE STOP TIME:	11:13	
TOTAL SAMPLE TIME (MIN):	1440	
REGULATOR FLOW RATE (L/MIN):	0.004	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.1	
SAMPLE MOISTURE CONTENT:	none	
CAN SERIAL NUMBER:	10728	
REGULATOR SERIAL NUMBER:	19408	
CAN START VACUUM PRESS. (" HG):	-29	
CAN STOP VACUUM PRESS. (" HG):	-14	

NOTES

--

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C.

368 Ninth Avenue, 8th Floor, New York, New York 10001-2727

AIR SAMPLING LOG SHEET

Sample Number: IA-04_022125

PROJECT: 26-32 Jackson Avenue	PROJECT NO.: 170472001									
LOCATION: Queens, NY	SURFACE ELEVATION AND DATUM: N/A									
SAMPLER: Loagan Clements	SAMPLE DATE STARTED: 2/20/2025	DATE FINISHED: 2/21/2025								
INSPECTOR: Loagan Clements	TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister									
POTENTIAL SAMPLE INTERFERENCES: N/A	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Temp:</td> <td style="width: 50%;">21-30°F</td> </tr> <tr> <td>Wind:</td> <td>NW at 12 mph</td> </tr> <tr> <td>Precipitation:</td> <td>Light snow (~0.4 inches)</td> </tr> <tr> <td>Pressure:</td> <td>29.87 inHg</td> </tr> </table>		Temp:	21-30°F	Wind:	NW at 12 mph	Precipitation:	Light snow (~0.4 inches)	Pressure:	29.87 inHg
Temp:	21-30°F									
Wind:	NW at 12 mph									
Precipitation:	Light snow (~0.4 inches)									
Pressure:	29.87 inHg									

METHOD OF INSTALLATION AND SAMPLING:

Langan field screened the sample location with a MiniRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 24-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 24-hour sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.

SAMPLE DETAILS	SAMPLE LOCATION SKETCH																										
<table style="width: 100%;"> <tr><td style="width: 70%;">HEIGHT ABOVE GROUND (FT):</td><td style="text-align: center;">4</td></tr> <tr><td>PID BEFORE SAMPLE (PPM):</td><td style="text-align: center;">0.2</td></tr> <tr><td>SAMPLE START TIME:</td><td style="text-align: center;">11:10</td></tr> <tr><td>SAMPLE STOP TIME:</td><td style="text-align: center;">8:09</td></tr> <tr><td>TOTAL SAMPLE TIME (MIN):</td><td style="text-align: center;">1259</td></tr> <tr><td>REGULATOR FLOW RATE (L/MIN):</td><td style="text-align: center;">0.005</td></tr> <tr><td>VOLUME OF SAMPLE (LITERS):</td><td style="text-align: center;">6</td></tr> <tr><td>PID AFTER SAMPLE (PPM):</td><td style="text-align: center;">0.3</td></tr> <tr><td>SAMPLE MOISTURE CONTENT:</td><td style="text-align: center;">none</td></tr> <tr><td>CAN SERIAL NUMBER:</td><td style="text-align: center;">28309</td></tr> <tr><td>REGULATOR SERIAL NUMBER:</td><td style="text-align: center;">20922</td></tr> <tr><td>CAN START VACUUM PRESS. (" HG):</td><td style="text-align: center;">-30</td></tr> <tr><td>CAN STOP VACUUM PRESS. (" HG):</td><td style="text-align: center;">-6</td></tr> </table>	HEIGHT ABOVE GROUND (FT):	4	PID BEFORE SAMPLE (PPM):	0.2	SAMPLE START TIME:	11:10	SAMPLE STOP TIME:	8:09	TOTAL SAMPLE TIME (MIN):	1259	REGULATOR FLOW RATE (L/MIN):	0.005	VOLUME OF SAMPLE (LITERS):	6	PID AFTER SAMPLE (PPM):	0.3	SAMPLE MOISTURE CONTENT:	none	CAN SERIAL NUMBER:	28309	REGULATOR SERIAL NUMBER:	20922	CAN START VACUUM PRESS. (" HG):	-30	CAN STOP VACUUM PRESS. (" HG):	-6	See Sample Location Plan
HEIGHT ABOVE GROUND (FT):	4																										
PID BEFORE SAMPLE (PPM):	0.2																										
SAMPLE START TIME:	11:10																										
SAMPLE STOP TIME:	8:09																										
TOTAL SAMPLE TIME (MIN):	1259																										
REGULATOR FLOW RATE (L/MIN):	0.005																										
VOLUME OF SAMPLE (LITERS):	6																										
PID AFTER SAMPLE (PPM):	0.3																										
SAMPLE MOISTURE CONTENT:	none																										
CAN SERIAL NUMBER:	28309																										
REGULATOR SERIAL NUMBER:	20922																										
CAN START VACUUM PRESS. (" HG):	-30																										
CAN STOP VACUUM PRESS. (" HG):	-6																										

NOTES

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

AIR SAMPLING LOG SHEET

Sample Number: AA-01_022125

PROJECT: 26-32 Jackson Avenue		PROJECT NO.: 170472001	
LOCATION: Queens, NY		SURFACE ELEVATION AND DATUM: N/A	
SAMPLER: Loagan Clements		SAMPLE DATE STARTED: 2/20/2025	DATE FINISHED: 2/21/2025
INSPECTOR: Loagan Clements		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister	
POTENTIAL SAMPLE INTERFERENCES: N/A		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):	
		Temp:	21-30°F
		Wind:	NW at 12 mph
		Precipitation:	Light snow (~0.4 inches)
		Pressure:	29.87 inHg

METHOD OF INSTALLATION AND SAMPLING:
 Langan field screened the sample location with a MiniRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with an 24-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 24-hour sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.

SAMPLE DETAILS		SAMPLE LOCATION SKETCH
HEIGHT ABOVE GROUND (FT):	4	See Sample Location Plan
PID BEFORE SAMPLE (PPM):	0	
SAMPLE START TIME:	11:37	
SAMPLE STOP TIME:	9:33	
TOTAL SAMPLE TIME (MIN):	1316	
REGULATOR FLOW RATE (L/MIN):	0.005	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0	
SAMPLE MOISTURE CONTENT:	none	
CAN SERIAL NUMBER:	16691	
REGULATOR SERIAL NUMBER:	20920	
CAN START VACUUM PRESS. (" HG):	-30	
CAN STOP VACUUM PRESS. (" HG):	-6	

NOTES

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

ATTACHMENT D
NYSDOH Indoor Air Quality Questionnaire and
Building Inventory

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

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

Preparer's Name Loagan Clements Date/Time Prepared 2/20/2025 at 8:45AM

Preparer's Affiliation Langan Phone No. 212-479-5400

Purpose of Investigation Soil Vapor Intrusion (SVI) Evaluation in
accordance with the Site Management Plan

NA, building unoccupied.

1. OCCUPANT: Representative from Hunter Roberts (Contractor) Interviewed

Interviewed: ☒ Y ☐ N

Last Name: Heretakis First Name: Andrew

Address: 26-32 Jackson Avenue, Long Island City, NY

County: Queens

Home Phone: N/A Office Phone: 917-946-3483

Number of Occupants/persons at this location ~50 Age of Occupants Adults
laborers

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

Interviewed: Y ☒ ☐ N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

Commercial/Multi-use
Other: _____

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

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

If multiple units, how many? 363

If the property is commercial, type?

Business Type(s) Unknown (3 commercial spaces - not yet leased)

Does it include residences (i.e., multi-use)? (Y) N If yes, how many? 363

Other characteristics:

Number of floors 51

Building age <1 yr

Is the building insulated? (Y) N

How air tight? (Tight) Average / Not Tight

4. AIRFLOW

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

Airflow between floors

Air from cellar generally moves upward toward air ducts that ventilate
to the exterior of the ground floor level of the building.

Airflow near source

N/A

Outdoor air infiltration

Periodic infiltration at points of egress leading to exterior of the building. From cellar
the only exterior access is it a door at the top of stairwell C.

Infiltration into air ducts

At ceiling vents that ventilate to exterior of building at ground level
floor.

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

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

Basement/Lowest level depth below grade: ~10 (feet)

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

N/A

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

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

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

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
<u>Electric</u>	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Electric

Boiler/furnace located in: Basement Outdoors Main Floor Other 50th Floor

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? ☒ Y ☐ N

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

Air vents are exposed in all rooms, except the staff lounge, on the cellar level of the building.

Cold air returns are located on floors 2, 3, 4, 25, and 50. The duct joints are tight.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time ☒ Occasionally ☐ Seldom ☐ Almost Never

<u>Level</u>	<u>General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)</u>
Basement	Mechanical/Maintenance Rooms, Storage, Staff lounge/locker rooms and Superintendent's Office.
1 st Floor	Retail Space and residential Lobby
2 nd Floor	Back of House and Retail
3 rd Floor	Amenities
4 th Floor	Amenities

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

- a. Is there an attached garage? Y / ☒ N
- b. Does the garage have a separate heating unit? Y / N / ☒ NA
- c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / ☒ NA
Please specify _____
- d. Has the building ever had a fire? Y / ☒ N When? _____
- e. Is a kerosene or unvented gas space heater present? Y / ☒ N Where? _____
- f. Is there a workshop or hobby/craft area? Y / ☒ N Where & Type? _____
- g. Is there smoking in the building? Y / ☒ N How frequently? _____
- h. Have cleaning products been used recently? ☒ Y ☐ N When & Type? Unknown
- i. Have cosmetic products been used recently? ☒ Y / ☐ N When & Type? Paint

j. Has painting/staining been done in the last 6 months? ☒ Y / ☐ N Where & When? January 2025

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

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

m. Is there a kitchen exhaust fan? ☒ Y / ☐ N If yes, where vented? First floor
First floor

n. Is there a bathroom exhaust fan? ☒ Y / ☐ N If yes, where vented? (Street Level)

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

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

Are there odors in the building? ☒ Y / ☐ N

If yes, please describe: Stairwell A and boiler room (adjacent to Super's Office) have paint odor, cellar hallways (particularly on the western side) have bleach odor, rubber/laminate odor in hall to compactor rooms.

Do any of the building occupants use solvents at work? Y / ☒ N

(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? _____

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

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

Yes, use dry-cleaning regularly (weekly)

Yes, use dry-cleaning infrequently (monthly or less)

Yes, work at a dry-cleaning service

No

☒ Unknown

Is there a radon mitigation system for the building/structure? Y / ☒ N Date of Installation: _____

Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

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

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

10. RELOCATION INFORMATION (for oil spill residential emergency) N/A

a. Provide reasons why relocation is recommended: _____

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

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

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

Indoor Air Quality Investigation Pre-Inspection Product Inventory

Site Name: 26-32 Jackson Avenue

Langan Project No.: 170472001

Site Location: Long Island City, New York

Date: 02/20/2025

Make and model of field instrument used: ppbRAE 3000

[illegible]

* Describe the condition of the product containers as Unopened (UO), Used (U), or Deteriorated (D).

ATTACHMENT E
Data Usability Summary Report

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

To: Lexi Haley, Langan Senior Staff Engineer

From: Krzysztof Trafalski, Langan Senior Staff Chemist

Date: March 10, 2025

Re: Data Usability Summary Report
For 26-32 Jackson Avenue
February 2025 Indoor and Ambient Air Samples
Langan Project No.: 170472001

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of air samples collected in February 2025 by Langan Engineering and Environmental Services at the 26-32 Jackson Avenue site. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration # 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.

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

Technical Memorandum

Data Usability Summary Report
For 26-32 Jackson Avenue
February 2025 Indoor and Ambient Air Samples
Langan Project No.: 170472001
March 10, 2025 Page 2 of 4

FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. The Sample Delivery Group (SDG), 25B1236, underwent Tier 1 validation review.

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

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

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

MAJOR DEFICIENCIES:

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

Technical Memorandum

Data Usability Summary Report
For 26-32 Jackson Avenue
February 2025 Indoor and Ambient Air Samples
Langan Project No.: 170472001
March 10, 2025 Page 3 of 4

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

25B1236

The sample IA-03_022125 exhibited a laboratory-measured receipt pressure below -10 in. Hg (-14.51 "Hg). The associated results are qualified as J or UJ because of potential indeterminate bias.

The LCS for batch BC50312 exhibited a percent recovery below the LCL for vinyl acetate (42.3%). The associated results in samples IA-01_202125, IA-02_202125, IA-03_202125, IA-04_202125, and AA-01_202125 are qualified as UJ because of potential low bias.

The MB for batch BC50312 exhibited a detection of isopropanol (0.69 ug/m3). The associated results <10x blank contamination in samples IA-01_202125, IA-02_202125, IA-03_202125, IA-04_202125, and AA-01_202125 are qualified as J because of potential blank contamination.

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

25B1236

The LCS for batch BC50312 exhibited percent recoveries above the UCL for 1,4-dichlorobenzene (133%) and hexachlorobutadiene (149%). The associated results are non-detect. No qualification is necessary.

FIELD DUPLICATE:

A field duplicate and parent sample pair was not collected

CONCLUSION:

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

Technical Memorandum

Data Usability Summary Report
For 26-32 Jackson Avenue
February 2025 Indoor and Ambient Air Samples
Langan Project No.: 170472001
March 10, 2025 Page 4 of 4

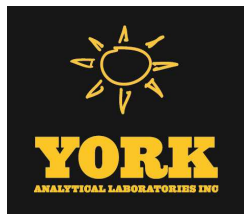
All data are considered usable, as qualified, except for the rejected results. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:

A handwritten signature in black ink, appearing to read 'K. Trafalski', with a stylized flourish at the end.

Krzysztof Trafalski
Senior Staff Chemist

ATTACHMENT F
Laboratory Analytical Report



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Kimberly Semon

Report Date: 03/05/2025

Client Project ID: 170472001

York Project (SDG) No.: 25B1236

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723



Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 03/05/2025
Client Project ID: 170472001
York Project (SDG) No.: 25B1236

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

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 February 21, 2025 and listed below. The project was identified as your project: **170472001**.

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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
25B1236-01	IA-01_202125	Indoor Ambient Air	02/21/2025	02/21/2025
25B1236-02	IA-02_202125	Indoor Ambient Air	02/21/2025	02/21/2025
25B1236-03	IA-03_202125	Indoor Ambient Air	02/21/2025	02/21/2025
25B1236-04	IA-04_202125	Indoor Ambient Air	02/21/2025	02/21/2025
25B1236-05	AA-01_202125	Outdoor Ambient Ai	02/21/2025	02/21/2025

General Notes for York Project (SDG) No.: 25B1236

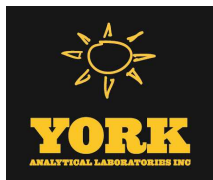
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
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, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By: 

Cassie L. Mosher
Laboratory Manager

Date: 03/05/2025





Sample Information

Client Sample ID: IA-01_202125

York Sample ID: 25B1236-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Indoor Ambient Air

February 21, 2025 11:15 am

02/21/2025

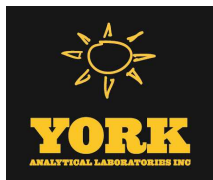
Volatile Organics, EPA TO15 Full List

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/m ³	0.64	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.51	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.64	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.71	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.51	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.38	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.092	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
120-82-1	1,2,4-Trichlorobenzene	ND	CAL-E, TO-CC V	ug/m ³	0.69	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
95-63-6	1,2,4-Trimethylbenzene	1.1		ug/m ³	0.46	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.71	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.56	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.38	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.43	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.65	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.46	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	0.62	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.56	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.43	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
106-46-7	1,4-Dichlorobenzene	ND	CAL-E	ug/m ³	0.56	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	0.67	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
540-84-1	* 2,2,4-Trimethylpentane	0.26		ug/m ³	0.22	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
78-93-3	2-Butanone	0.85		ug/m ³	0.27	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR



Sample Information

Client Sample ID: IA-01_202125

York Sample ID: 25B1236-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Indoor Ambient Air

February 21, 2025 11:15 am

02/21/2025

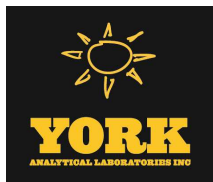
Volatile Organics, EPA TO15 Full List

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/m ³	0.76	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
107-05-1	3-Chloropropene	ND		ug/m ³	1.5	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
108-10-1	4-Methyl-2-pentanone	0.53		ug/m ³	0.38	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
67-64-1	Acetone	11		ug/m ³	1.8	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
107-13-1	Acrylonitrile	5.9		ug/m ³	2.6	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
71-43-2	Benzene	0.65		ug/m ³	0.30	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.48	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	0.62	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
75-25-2	Bromoform	ND		ug/m ³	0.96	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
74-83-9	Bromomethane	ND		ug/m ³	0.36	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
75-15-0	Carbon disulfide	ND		ug/m ³	0.29	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
56-23-5	Carbon tetrachloride	0.41		ug/m ³	0.15	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.43	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
75-00-3	Chloroethane	ND		ug/m ³	0.24	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
67-66-3	Chloroform	ND		ug/m ³	0.45	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
74-87-3	Chloromethane	1.2		ug/m ³	0.19	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.092	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.42	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
110-82-7	Cyclohexane	ND		ug/m ³	0.32	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	0.79	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
75-71-8	Dichlorodifluoromethane	2.3		ug/m ³	0.46	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
141-78-6	* Ethyl acetate	1.6		ug/m ³	0.67	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
100-41-4	Ethyl Benzene	0.48		ug/m ³	0.40	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR



Sample Information

Client Sample ID: IA-01_202125

York Sample ID: 25B1236-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Indoor Ambient Air

February 21, 2025 11:15 am

02/21/2025

Volatile Organics, EPA TO15 Full List

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
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.99	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
67-63-0	Isopropanol	2.3		ug/m ³	1.4	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.38	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.33	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
75-09-2	Methylene chloride	ND		ug/m ³	1.9	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
91-20-3	* Naphthalene	ND		ug/m ³	0.97	0.927	EPA TO-15 Certifications: NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
142-82-5	n-Heptane	ND		ug/m ³	0.38	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
110-54-3	n-Hexane	ND		ug/m ³	0.33	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
95-47-6	o-Xylene	0.60		ug/m ³	0.40	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
179601-23-1	p- & m- Xylenes	1.7	ICVE	ug/m ³	0.80	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
622-96-8	* p-Ethyltoluene	0.73		ug/m ³	0.46	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
115-07-1	* Propylene	0.67		ug/m ³	0.16	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
100-42-5	Styrene	0.87		ug/m ³	0.39	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.63	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.55	0.927	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 00:41	YR
108-88-3	Toluene	1.3		ug/m ³	0.35	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.37	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.42	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
79-01-6	Trichloroethylene	ND		ug/m ³	0.12	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.1		ug/m ³	0.52	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
108-05-4	Vinyl acetate	ND	TO-LCS -L, ICVE	ug/m ³	0.33	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.41	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR



Sample Information

Client Sample ID: IA-01_202125

York Sample ID: 25B1236-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Indoor Ambient Air

February 21, 2025 11:15 am

02/21/2025

Volatile Organics, EPA TO15 Full List

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
75-01-4	Vinyl Chloride	ND		ug/m ³	0.12	0.927	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 00:41	YR

Sample Information

Client Sample ID: IA-02_202125

York Sample ID: 25B1236-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Indoor Ambient Air

February 21, 2025 10:31 am

02/21/2025

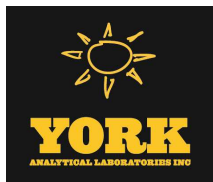
Volatile Organics, EPA TO15 Full List

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/m ³	0.64	0.931	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 01:27	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.51	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.64	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.71	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.51	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.38	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.092	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
120-82-1	1,2,4-Trichlorobenzene	ND	CAL-E, TO-CC V	ug/m ³	0.69	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
95-63-6	1,2,4-Trimethylbenzene	1.5		ug/m ³	0.46	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.72	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.56	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.38	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.43	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.65	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.46	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR



Sample Information

Client Sample ID: IA-02_202125

York Sample ID: 25B1236-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Indoor Ambient Air

February 21, 2025 10:31 am

02/21/2025

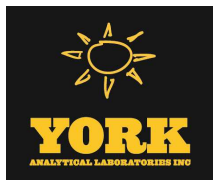
Volatile Organics, EPA TO15 Full List

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
106-99-0	1,3-Butadiene	ND		ug/m ³	0.62	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.56	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.43	0.931	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 01:27	YR
106-46-7	1,4-Dichlorobenzene	ND	CAL-E	ug/m ³	0.56	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	0.67	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
540-84-1	* 2,2,4-Trimethylpentane	0.65		ug/m ³	0.22	0.931	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 01:27	YR
78-93-3	2-Butanone	4.0		ug/m ³	0.27	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	0.76	0.931	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 01:27	YR
107-05-1	3-Chloropropene	ND		ug/m ³	1.5	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
108-10-1	4-Methyl-2-pentanone	0.42		ug/m ³	0.38	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
67-64-1	Acetone	58		ug/m ³	1.8	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
107-13-1	Acrylonitrile	4.8		ug/m ³	2.6	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
71-43-2	Benzene	0.98		ug/m ³	0.30	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.48	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	0.62	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
75-25-2	Bromoform	ND		ug/m ³	0.96	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
74-83-9	Bromomethane	ND		ug/m ³	0.36	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
75-15-0	Carbon disulfide	ND		ug/m ³	0.29	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
56-23-5	Carbon tetrachloride	0.41		ug/m ³	0.15	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.43	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
75-00-3	Chloroethane	ND		ug/m ³	0.25	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
67-66-3	Chloroform	0.77		ug/m ³	0.45	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
74-87-3	Chloromethane	1.5		ug/m ³	0.19	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR



Sample Information

Client Sample ID: IA-02_202125

York Sample ID: 25B1236-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Indoor Ambient Air

February 21, 2025 10:31 am

02/21/2025

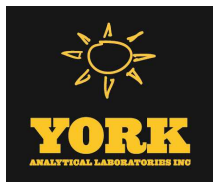
Volatile Organics, EPA TO15 Full List

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
156-59-2	cis-1,2-Dichloroethylene	0.15		ug/m ³	0.092	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.42	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
110-82-7	Cyclohexane	1.4		ug/m ³	0.32	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	0.79	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
75-71-8	Dichlorodifluoromethane	2.2		ug/m ³	0.46	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
141-78-6	* Ethyl acetate	4.9		ug/m ³	0.67	0.931	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 01:27	YR
100-41-4	Ethyl Benzene	3.0		ug/m ³	0.40	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.99	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
67-63-0	Isopropanol	8.7		ug/m ³	1.4	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
80-62-6	Methyl Methacrylate	9.6		ug/m ³	0.38	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.34	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
75-09-2	Methylene chloride	ND		ug/m ³	1.9	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
91-20-3	* Naphthalene	ND		ug/m ³	0.98	0.931	EPA TO-15 Certifications: NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
142-82-5	n-Heptane	0.65		ug/m ³	0.38	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
110-54-3	n-Hexane	0.75		ug/m ³	0.33	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
95-47-6	o-Xylene	3.8		ug/m ³	0.40	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
179601-23-1	p- & m- Xylenes	11	ICVE	ug/m ³	0.81	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
622-96-8	* p-Ethyltoluene	0.96		ug/m ³	0.46	0.931	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 01:27	YR
115-07-1	* Propylene	ND		ug/m ³	0.16	0.931	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 01:27	YR
100-42-5	Styrene	2.3		ug/m ³	0.40	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.63	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
109-99-9	* Tetrahydrofuran	2.9		ug/m ³	0.55	0.931	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 01:27	YR



Sample Information

Client Sample ID: IA-02_202125

York Sample ID: 25B1236-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Indoor Ambient Air

February 21, 2025 10:31 am

02/21/2025

Volatile Organics, EPA TO15 Full List

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
108-88-3	Toluene	4.2		ug/m ³	0.35	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.37	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.42	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
79-01-6	Trichloroethylene	ND		ug/m ³	0.13	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.2		ug/m ³	0.52	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
108-05-4	Vinyl acetate	ND	ICVE, TO-LCS -L	ug/m ³	0.33	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.41	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.12	0.931	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 01:27	YR

Sample Information

Client Sample ID: IA-03_202125

York Sample ID: 25B1236-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Indoor Ambient Air

February 21, 2025 11:13 am

02/21/2025

Volatile Organics, EPA TO15 Full List

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/m ³	1.0	1.49	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:13	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.81	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.0	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.1	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.81	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.60	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.15	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR



Sample Information

Client Sample ID: IA-03_202125

York Sample ID: 25B1236-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Indoor Ambient Air

February 21, 2025 11:13 am

02/21/2025

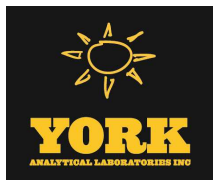
Volatile Organics, EPA TO15 Full List

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
120-82-1	1,2,4-Trichlorobenzene	ND	CAL-E, TO-CC V	ug/m ³	1.1	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
95-63-6	1,2,4-Trimethylbenzene	1.3		ug/m ³	0.73	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.1	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.90	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.60	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.69	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.0	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.73	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	0.99	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.90	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.69	1.49	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:13	YR
106-46-7	1,4-Dichlorobenzene	ND	CAL-E	ug/m ³	0.90	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
540-84-1	* 2,2,4-Trimethylpentane	0.42		ug/m ³	0.35	1.49	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:13	YR
78-93-3	2-Butanone	2.0		ug/m ³	0.44	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	1.2	1.49	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:13	YR
107-05-1	3-Chloropropene	ND		ug/m ³	2.3	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.61	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
67-64-1	Acetone	24		ug/m ³	2.8	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
107-13-1	Acrylonitrile	14		ug/m ³	4.2	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
71-43-2	Benzene	0.76		ug/m ³	0.48	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.77	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR



Sample Information

Client Sample ID: IA-03_202125

York Sample ID: 25B1236-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Indoor Ambient Air

February 21, 2025 11:13 am

02/21/2025

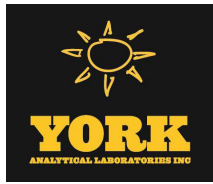
Volatile Organics, EPA TO15 Full List

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
75-25-2	Bromoform	ND		ug/m ³	1.5	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
74-83-9	Bromomethane	ND		ug/m ³	0.58	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
75-15-0	Carbon disulfide	ND		ug/m ³	0.46	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
56-23-5	Carbon tetrachloride	0.47		ug/m ³	0.23	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.69	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
75-00-3	Chloroethane	ND		ug/m ³	0.39	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
67-66-3	Chloroform	ND		ug/m ³	0.73	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
74-87-3	Chloromethane	1.3		ug/m ³	0.31	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.15	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.68	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
110-82-7	Cyclohexane	ND		ug/m ³	0.51	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
75-71-8	Dichlorodifluoromethane	2.3		ug/m ³	0.74	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
141-78-6	* Ethyl acetate	4.9		ug/m ³	1.1	1.49	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:13	YR
100-41-4	Ethyl Benzene	0.97		ug/m ³	0.65	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.6	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
67-63-0	Isopropanol	7.0		ug/m ³	2.2	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
80-62-6	Methyl Methacrylate	6.8		ug/m ³	0.61	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.54	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
75-09-2	Methylene chloride	ND		ug/m ³	3.1	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
91-20-3	* Naphthalene	ND		ug/m ³	1.6	1.49	EPA TO-15 Certifications: NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
142-82-5	n-Heptane	ND		ug/m ³	0.61	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
110-54-3	n-Hexane	0.63		ug/m ³	0.53	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR



Sample Information

Client Sample ID: IA-03_202125

York Sample ID: 25B1236-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Indoor Ambient Air

February 21, 2025 11:13 am

02/21/2025

Volatile Organics, EPA TO15 Full List

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
95-47-6	o-Xylene	1.4		ug/m ³	0.65	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
179601-23-1	p- & m- Xylenes	3.9	ICVE	ug/m ³	1.3	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
622-96-8	* p-Ethyltoluene	0.81		ug/m ³	0.73	1.49	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:13	YR
115-07-1	* Propylene	ND		ug/m ³	0.26	1.49	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:13	YR
100-42-5	Styrene	1.0		ug/m ³	0.63	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
127-18-4	Tetrachloroethylene	ND		ug/m ³	1.0	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.88	1.49	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:13	YR
108-88-3	Toluene	3.0		ug/m ³	0.56	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.59	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.68	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
79-01-6	Trichloroethylene	ND		ug/m ³	0.20	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.2		ug/m ³	0.84	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
108-05-4	Vinyl acetate	ND	ICVE, TO-LCS -L	ug/m ³	0.52	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.65	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.19	1.49	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:13	YR

Sample Information

Client Sample ID: IA-04_202125

York Sample ID: 25B1236-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Indoor Ambient Air

February 21, 2025 8:09 am

02/21/2025

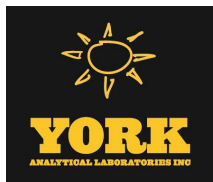
Volatile Organics, EPA TO15 Full List

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
---------	-----------	--------	------	-------	--------------------	----------	------------------	-----------------------	-----------------------	---------



Sample Information

Client Sample ID: IA-04_202125

York Sample ID: 25B1236-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Indoor Ambient Air

February 21, 2025 8:09 am

02/21/2025

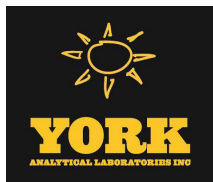
Volatile Organics, EPA TO15 Full List

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/m ³	0.62	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.50	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.62	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.70	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.50	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.37	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.090	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
120-82-1	1,2,4-Trichlorobenzene	ND	CAL-E, TO-CC V	ug/m ³	0.68	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
95-63-6	1,2,4-Trimethylbenzene	2.7		ug/m ³	0.45	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.70	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.55	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.37	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.42	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.64	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
108-67-8	1,3,5-Trimethylbenzene	0.67		ug/m ³	0.45	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
106-99-0	1,3-Butadiene	ND		ug/m ³	0.60	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.55	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.42	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
106-46-7	1,4-Dichlorobenzene	ND	CAL-E	ug/m ³	0.55	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	0.66	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
540-84-1	* 2,2,4-Trimethylpentane	ND		ug/m ³	0.21	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
78-93-3	2-Butanone	6.7		ug/m ³	0.27	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	0.75	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR



Sample Information

Client Sample ID: IA-04_202125

York Sample ID: 25B1236-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Indoor Ambient Air

February 21, 2025 8:09 am

02/21/2025

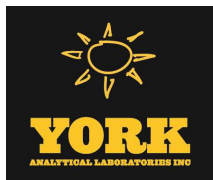
Volatile Organics, EPA TO15 Full List

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/m ³	1.4	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
108-10-1	4-Methyl-2-pentanone	4.5		ug/m ³	0.37	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
67-64-1	Acetone	120	E	ug/m ³	1.7	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
107-13-1	Acrylonitrile	5.9		ug/m ³	2.6	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
71-43-2	Benzene	0.87		ug/m ³	0.29	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.47	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	0.61	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
75-25-2	Bromoform	ND		ug/m ³	0.94	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
74-83-9	Bromomethane	ND		ug/m ³	0.35	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
75-15-0	Carbon disulfide	1.1		ug/m ³	0.28	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
56-23-5	Carbon tetrachloride	0.46		ug/m ³	0.14	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.42	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
75-00-3	Chloroethane	ND		ug/m ³	0.24	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
67-66-3	Chloroform	0.67		ug/m ³	0.44	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
74-87-3	Chloromethane	1.3		ug/m ³	0.19	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.090	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.41	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
110-82-7	Cyclohexane	9.8		ug/m ³	0.31	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	0.78	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
75-71-8	Dichlorodifluoromethane	2.2		ug/m ³	0.45	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
141-78-6	* Ethyl acetate	9.7		ug/m ³	0.66	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
100-41-4	Ethyl Benzene	2.5		ug/m ³	0.40	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR



Sample Information

Client Sample ID: IA-04_202125

York Sample ID: 25B1236-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Indoor Ambient Air

February 21, 2025 8:09 am

02/21/2025

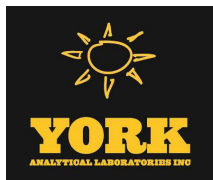
Volatile Organics, EPA TO15 Full List

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
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.97	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
67-63-0	Isopropanol	11		ug/m ³	1.3	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
80-62-6	Methyl Methacrylate	33		ug/m ³	0.37	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.33	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
75-09-2	Methylene chloride	ND		ug/m ³	1.9	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
91-20-3	* Naphthalene	ND		ug/m ³	0.95	0.91	EPA TO-15 Certifications: NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
142-82-5	n-Heptane	0.97		ug/m ³	0.37	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
110-54-3	n-Hexane	0.99		ug/m ³	0.32	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
95-47-6	o-Xylene	2.8		ug/m ³	0.40	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
179601-23-1	p- & m- Xylenes	7.0	ICVE	ug/m ³	0.79	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
622-96-8	* p-Ethyltoluene	1.5		ug/m ³	0.45	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
115-07-1	* Propylene	1.3		ug/m ³	0.16	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
100-42-5	Styrene	8.3		ug/m ³	0.39	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
127-18-4	Tetrachloroethylene	0.62		ug/m ³	0.62	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
109-99-9	* Tetrahydrofuran	5.2		ug/m ³	0.54	0.91	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 02:58	YR
108-88-3	Toluene	7.2		ug/m ³	0.34	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.36	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.41	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
79-01-6	Trichloroethylene	ND		ug/m ³	0.12	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.1		ug/m ³	0.51	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
108-05-4	Vinyl acetate	ND	ICVE, TO-LCS -L	ug/m ³	0.32	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.40	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR



Sample Information

Client Sample ID: IA-04_202125

York Sample ID: 25B1236-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Indoor Ambient Air

February 21, 2025 8:09 am

02/21/2025

Volatile Organics, EPA TO15 Full List

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
75-01-4	Vinyl Chloride	ND		ug/m ³	0.12	0.91	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 02:58	YR

Sample Information

Client Sample ID: AA-01_202125

York Sample ID: 25B1236-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Outdoor Ambient Air

February 21, 2025 9:33 am

02/21/2025

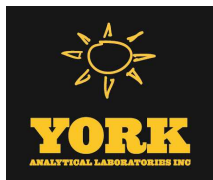
Volatile Organics, EPA TO15 Full List

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/m ³	0.60	0.875	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 03:47	YR
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.48	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.60	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.67	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.48	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.35	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.087	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
120-82-1	1,2,4-Trichlorobenzene	ND	CAL-E, TO-CC V	ug/m ³	0.65	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.43	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.67	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.53	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.35	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.40	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.61	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.43	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR



Sample Information

Client Sample ID: AA-01_202125

York Sample ID: 25B1236-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Outdoor Ambient Air

February 21, 2025 9:33 am

02/21/2025

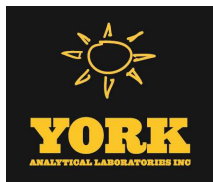
Volatile Organics, EPA TO15 Full List

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
106-99-0	1,3-Butadiene	ND		ug/m ³	0.58	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.53	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.40	0.875	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 03:47	YR
106-46-7	1,4-Dichlorobenzene	ND	CAL-E	ug/m ³	0.53	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
123-91-1	1,4-Dioxane	ND		ug/m ³	0.63	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
540-84-1	* 2,2,4-Trimethylpentane	0.37		ug/m ³	0.20	0.875	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 03:47	YR
78-93-3	2-Butanone	0.65		ug/m ³	0.26	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
591-78-6	* 2-Hexanone	ND		ug/m ³	0.72	0.875	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 03:47	YR
107-05-1	3-Chloropropene	ND		ug/m ³	1.4	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.36	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
67-64-1	Acetone	19		ug/m ³	1.7	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
107-13-1	Acrylonitrile	42		ug/m ³	2.5	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
71-43-2	Benzene	0.67		ug/m ³	0.28	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
100-44-7	Benzyl chloride	ND		ug/m ³	0.45	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
75-27-4	Bromodichloromethane	ND		ug/m ³	0.59	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
75-25-2	Bromoform	ND		ug/m ³	0.90	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
74-83-9	Bromomethane	ND		ug/m ³	0.34	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
75-15-0	Carbon disulfide	ND		ug/m ³	0.27	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
56-23-5	Carbon tetrachloride	0.44		ug/m ³	0.14	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
108-90-7	Chlorobenzene	ND		ug/m ³	0.40	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
75-00-3	Chloroethane	ND		ug/m ³	0.23	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
67-66-3	Chloroform	ND		ug/m ³	0.43	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
74-87-3	Chloromethane	1.2		ug/m ³	0.18	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR



Sample Information

Client Sample ID: AA-01_202125

York Sample ID: 25B1236-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25B1236

170472001

Outdoor Ambient Air

February 21, 2025 9:33 am

02/21/2025

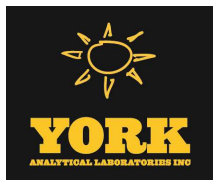
Volatile Organics, EPA TO15 Full List

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
156-59-2	cis-1,2-Dichloroethylene	0.42		ug/m ³	0.087	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.40	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
110-82-7	Cyclohexane	ND		ug/m ³	0.30	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
124-48-1	Dibromochloromethane	ND		ug/m ³	0.75	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
75-71-8	Dichlorodifluoromethane	2.3		ug/m ³	0.43	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
141-78-6	* Ethyl acetate	2.2		ug/m ³	0.63	0.875	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 03:47	YR
100-41-4	Ethyl Benzene	0.38		ug/m ³	0.38	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.93	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
67-63-0	Isopropanol	2.2		ug/m ³	1.3	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.36	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.32	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
75-09-2	Methylene chloride	ND		ug/m ³	1.8	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
91-20-3	* Naphthalene	ND		ug/m ³	0.92	0.875	EPA TO-15 Certifications: NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
142-82-5	n-Heptane	ND		ug/m ³	0.36	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
110-54-3	n-Hexane	0.31		ug/m ³	0.31	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
95-47-6	o-Xylene	0.42		ug/m ³	0.38	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
179601-23-1	p- & m- Xylenes	1.2	ICVE	ug/m ³	0.76	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.43	0.875	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 03:47	YR
115-07-1	* Propylene	0.66		ug/m ³	0.15	0.875	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 03:47	YR
100-42-5	Styrene	ND		ug/m ³	0.37	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
127-18-4	Tetrachloroethylene	1.5		ug/m ³	0.59	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.52	0.875	EPA TO-15 Certifications:	03/04/2025 08:00	03/05/2025 03:47	YR
108-88-3	Toluene	1.1		ug/m ³	0.33	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR



Sample Information

Client Sample ID: AA-01_202125

York Sample ID: 25B1236-05

York Project (SDG) No.
25B1236

Client Project ID
170472001

Matrix
Outdoor Ambient Air

Collection Date/Time
February 21, 2025 9:33 am

Date Received
02/21/2025

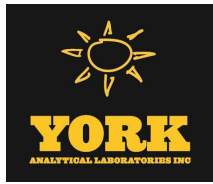
Volatile Organics, EPA TO15 Full List

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
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.35	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.40	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
79-01-6	Trichloroethylene	ND		ug/m ³	0.12	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
75-69-4	Trichlorofluoromethane (Freon 11)	1.2		ug/m ³	0.49	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
108-05-4	Vinyl acetate	ND	ICVE, TO-LCS -L	ug/m ³	0.31	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
593-60-2	Vinyl bromide	ND		ug/m ³	0.38	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR
75-01-4	Vinyl Chloride	ND		ug/m ³	0.11	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	03/04/2025 08:00	03/05/2025 03:47	YR



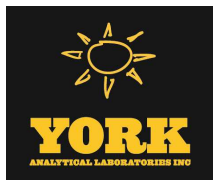
Analytical Batch Summary

Batch ID: BC50312

Preparation Method: EPA TO15 PREP

Prepared By: YR

YORK Sample ID	Client Sample ID	Preparation Date
25B1236-01	IA-01_202125	03/04/25
25B1236-02	IA-02_202125	03/04/25
25B1236-03	IA-03_202125	03/04/25
25B1236-04	IA-04_202125	03/04/25
25B1236-05	AA-01_202125	03/04/25
BC50312-BLK1	Blank	03/04/25
BC50312-BS1	LCS	03/04/25



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

York Analytical Laboratories, Inc. - Stratford

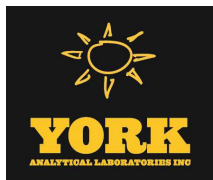
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BC50312 - EPA TO15 PREP

Blank (BC50312-BLK1)

Prepared & Analyzed: 03/04/2025

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³
1,1,1-Trichloroethane	ND	0.55	"
1,1,2,2-Tetrachloroethane	ND	0.69	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"
1,1,2-Trichloroethane	ND	0.55	"
1,1-Dichloroethane	ND	0.40	"
1,1-Dichloroethylene	ND	0.099	"
1,2,4-Trichlorobenzene	ND	0.74	"
1,2,4-Trimethylbenzene	ND	0.49	"
1,2-Dibromoethane	ND	0.77	"
1,2-Dichlorobenzene	ND	0.60	"
1,2-Dichloroethane	ND	0.40	"
1,2-Dichloropropane	ND	0.46	"
1,2-Dichlorotetrafluoroethane	ND	0.70	"
1,3,5-Trimethylbenzene	ND	0.49	"
1,3-Butadiene	ND	0.66	"
1,3-Dichlorobenzene	ND	0.60	"
1,3-Dichloropropane	ND	0.46	"
1,4-Dichlorobenzene	ND	0.60	"
1,4-Dioxane	ND	0.72	"
2,2,4-Trimethylpentane	ND	0.23	"
2-Butanone	ND	0.29	"
2-Hexanone	ND	0.82	"
3-Chloropropene	ND	1.6	"
4-Methyl-2-pentanone	ND	0.41	"
Acetone	ND	1.9	"
Acrylonitrile	ND	2.8	"
Benzene	ND	0.32	"
Benzyl chloride	ND	0.52	"
Bromodichloromethane	ND	0.67	"
Bromoform	ND	1.0	"
Bromomethane	ND	0.39	"
Carbon disulfide	ND	0.31	"
Carbon tetrachloride	ND	0.16	"
Chlorobenzene	ND	0.46	"
Chloroethane	ND	0.26	"
Chloroform	ND	0.49	"
Chloromethane	ND	0.21	"
cis-1,2-Dichloroethylene	ND	0.099	"
cis-1,3-Dichloropropylene	ND	0.45	"
Cyclohexane	ND	0.34	"
Dibromochloromethane	ND	0.85	"
Dichlorodifluoromethane	ND	0.49	"
Ethyl acetate	ND	0.72	"
Ethyl Benzene	ND	0.43	"
Hexachlorobutadiene	ND	1.1	"
Isopropanol	ND	1.5	"
Methyl Methacrylate	ND	0.41	"
Methyl tert-butyl ether (MTBE)	ND	0.36	"



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 BC50312 - EPA TO15 PREP

Blank (BC50312-BLK1)

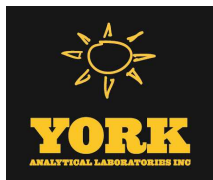
Prepared & Analyzed: 03/04/2025

Methylene chloride	ND	2.1	ug/m ³
Naphthalene	ND	1.0	"
n-Heptane	ND	0.41	"
n-Hexane	ND	0.35	"
o-Xylene	ND	0.43	"
p- & m- Xylenes	ND	0.87	"
p-Ethyltoluene	ND	0.49	"
Propylene	ND	0.17	"
Styrene	ND	0.43	"
Tetrachloroethylene	ND	0.68	"
Tetrahydrofuran	ND	0.59	"
Toluene	ND	0.38	"
trans-1,2-Dichloroethylene	ND	0.40	"
trans-1,3-Dichloropropylene	ND	0.45	"
Trichloroethylene	ND	0.13	"
Trichlorofluoromethane (Freon 11)	ND	0.56	"
Vinyl acetate	ND	0.35	"
Vinyl bromide	ND	0.44	"
Vinyl Chloride	ND	0.13	"

LCS (BC50312-BS1)

Prepared & Analyzed: 03/04/2025

1,1,1,2-Tetrachloroethane	11.5	ppbv	10.0	115	70-130	
1,1,1-Trichloroethane	10.6	"	10.0	106	70-130	
1,1,2,2-Tetrachloroethane	11.1	"	10.0	111	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	"	10.0	104	70-130	
1,1,2-Trichloroethane	11.3	"	10.0	113	70-130	
1,1-Dichloroethane	9.86	"	10.0	98.6	70-130	
1,1-Dichloroethylene	10.2	"	10.0	102	70-130	
1,2,4-Trichlorobenzene	7.29	"	10.0	72.9	70-130	
1,2,4-Trimethylbenzene	11.6	"	10.0	116	70-130	
1,2-Dibromoethane	11.3	"	10.0	113	70-130	
1,2-Dichlorobenzene	12.4	"	10.0	124	70-130	
1,2-Dichloroethane	11.7	"	10.0	117	70-130	
1,2-Dichloropropane	11.0	"	10.0	110	70-130	
1,2-Dichlorotetrafluoroethane	9.79	"	10.0	97.9	70-130	
1,3,5-Trimethylbenzene	11.4	"	10.0	114	70-130	
1,3-Butadiene	10.2	"	10.0	102	70-130	
1,3-Dichlorobenzene	13.0	"	10.0	130	70-130	
1,3-Dichloropropane	10.6	"	10.0	106	70-130	
1,4-Dichlorobenzene	13.3	"	10.0	133	70-130	High Bias
1,4-Dioxane	10.9	"	10.0	109	70-130	
2,2,4-Trimethylpentane	11.2	"	10.0	112	70-130	
2-Butanone	10.1	"	10.0	101	70-130	
2-Hexanone	11.2	"	10.0	112	70-130	
3-Chloropropene	10.2	"	10.0	102	70-130	
4-Methyl-2-pentanone	10.9	"	10.0	109	70-130	
Acetone	9.38	"	10.0	93.8	70-130	
Acrylonitrile	9.27	"	10.0	92.7	70-130	
Benzene	10.2	"	10.0	102	70-130	
Benzyl chloride	9.20	"	10.0	92.0	70-130	
Bromodichloromethane	11.1	"	10.0	111	70-130	



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

York Analytical Laboratories, Inc. - Stratford

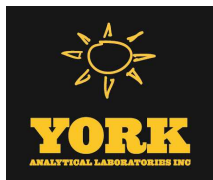
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

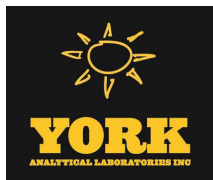
Batch BC50312 - EPA TO15 PREP

LCS (BC50312-BS1)

Prepared & Analyzed: 03/04/2025

Bromoform	12.4		ppbv	10.0		124	70-130			
Bromomethane	10.4		"	10.0		104	70-130			
Carbon disulfide	10.1		"	10.0		101	70-130			
Carbon tetrachloride	10.7		"	10.0		107	70-130			
Chlorobenzene	11.2		"	10.0		112	70-130			
Chloroethane	10.2		"	10.0		102	70-130			
Chloroform	10.3		"	10.0		103	70-130			
Chloromethane	9.40		"	10.0		94.0	70-130			
cis-1,2-Dichloroethylene	10.3		"	10.0		103	70-130			
cis-1,3-Dichloropropylene	11.1		"	10.0		111	70-130			
Cyclohexane	10.5		"	10.0		105	70-130			
Dibromochloromethane	11.9		"	10.0		119	70-130			
Dichlorodifluoromethane	10.1		"	10.0		101	70-130			
Ethyl acetate	12.4		"	10.0		124	70-130			
Ethyl Benzene	11.0		"	10.0		110	70-130			
Hexachlorobutadiene	14.9		"	10.0		149	70-130	High Bias		
Isopropanol	7.99		"	10.0		79.9	70-130			
Methyl Methacrylate	10.7		"	10.0		107	70-130			
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	70-130			
Methylene chloride	10.3		"	10.0		103	70-130			
Naphthalene	11.4		"	10.0		114	70-130			
n-Heptane	10.8		"	10.0		108	70-130			
n-Hexane	10.4		"	10.0		104	70-130			
o-Xylene	11.4		"	10.0		114	70-130			
p- & m- Xylenes	22.7		"	20.0		113	70-130			
p-Ethyltoluene	11.7		"	10.0		117	70-130			
Propylene	9.74		"	10.0		97.4	70-130			
Styrene	12.1		"	10.0		121	70-130			
Tetrachloroethylene	12.0		"	10.0		120	70-130			
Tetrahydrofuran	10.2		"	10.0		102	70-130			
Toluene	10.7		"	10.0		107	70-130			
trans-1,2-Dichloroethylene	10.3		"	10.0		103	70-130			
trans-1,3-Dichloropropylene	10.9		"	10.0		109	70-130			
Trichloroethylene	11.0		"	10.0		110	70-130			
Trichlorofluoromethane (Freon 11)	10.4		"	10.0		104	70-130			
Vinyl acetate	4.23		"	10.0		42.3	70-130	Low Bias		
Vinyl bromide	10.9		"	10.0		109	70-130			
Vinyl Chloride	9.84		"	10.0		98.4	70-130			





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-CCV	The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)

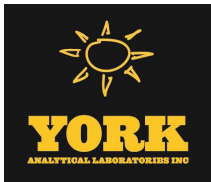
Definitions and Other Explanations

*	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.
120 Research Drive 132-02 89th Ave Queens,
Stratford, CT 06615 NY 11418

clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record - AIR

YORK Project No.
25B1236

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. signature binds you to YORK's Standard Terms & Conditions.

Your Page 1 of 1

[illegible]