

Dermody Consulting
Geologists and Environmental Scientists
32 Chichester Avenue, Center Moriches, NY 11934
Tel 631.878.3510 Fax 631.878.3560

June 24, 2024

Ms. Marlen Salazar
New York State Department
of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21st Street
Long Island City, New York 11101-5407

Re: **Indoor Air Sampling 2024**
Former Sep's Cleaners
250 Livonia Avenue
Brooklyn, New York
NYSDEC Site No. 224283

Dear Ms. Salazar:

Dermody Consulting completed the annual indoor air sampling for 2024. The sampling was performed on March 30, 2024 and the laboratory results were received on April 22, 2024.

A Sub-Slab Depressurization System (SSDS) installation at the site was completed in October, 2022. The system continues to operate and consists of 12 suction wells that are located throughout the basement of the site building.

The air samples were obtained from each of the basements within the building including those beneath the Brownsville Gourmet Deli, the Chinese Restaurant, the Pizza Restaurant, and the supermarket. In addition, an outdoor air sample was obtained from the area of the formerly operating remediation shed located within the parking adjacent and north of the site building. See Figure 1 for the locations of each of the sample locations.

Each sample was obtained with a six-liter Summa Canister with a flow controller set to obtain samples over an approximately 8-hour period.

Upon completion of the sampling the valves on each Summa Canister was closed and the samples were transferred to the custody of York Analytical Laboratories.

The results of the sampling are summarized in Table 1 and the laboratory report is provided in Appendix A.

The primary chemical disposed at the site during the tenure of Sep's Cleaners was tetrachloroethylene. Tetrachloroethylene was detected at very low levels in the indoor air samples with concentrations ranging from 0.62 to 1.7 micrograms per cubic meter (mcg/m³). Tetrachloroethylene was also detected in the outdoor air sample at 0.56 mcg/m³.

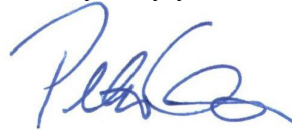
Other contaminants detected were generally below the Indoor Air US Environmental Protection Agency BASE 95th percentile concentrations. The chemicals detected at levels above the BASE 95th percentile concentrations that included acetone, carbon tetrachloride, chloroform, chloromethane, and dichlorodifluoromethane were also detected in the outdoor air (although at lower concentrations) with the exception of chloroform which was detected only indoors.

The sampling shows that the suction wells are adequately addressing soil vapor intrusion related to the tetrachloroethylene and its degradation products.

The next round of indoor air sampling will be performed in January, 2025.

Should you have any questions, please feel free to contact me.

Very truly yours,



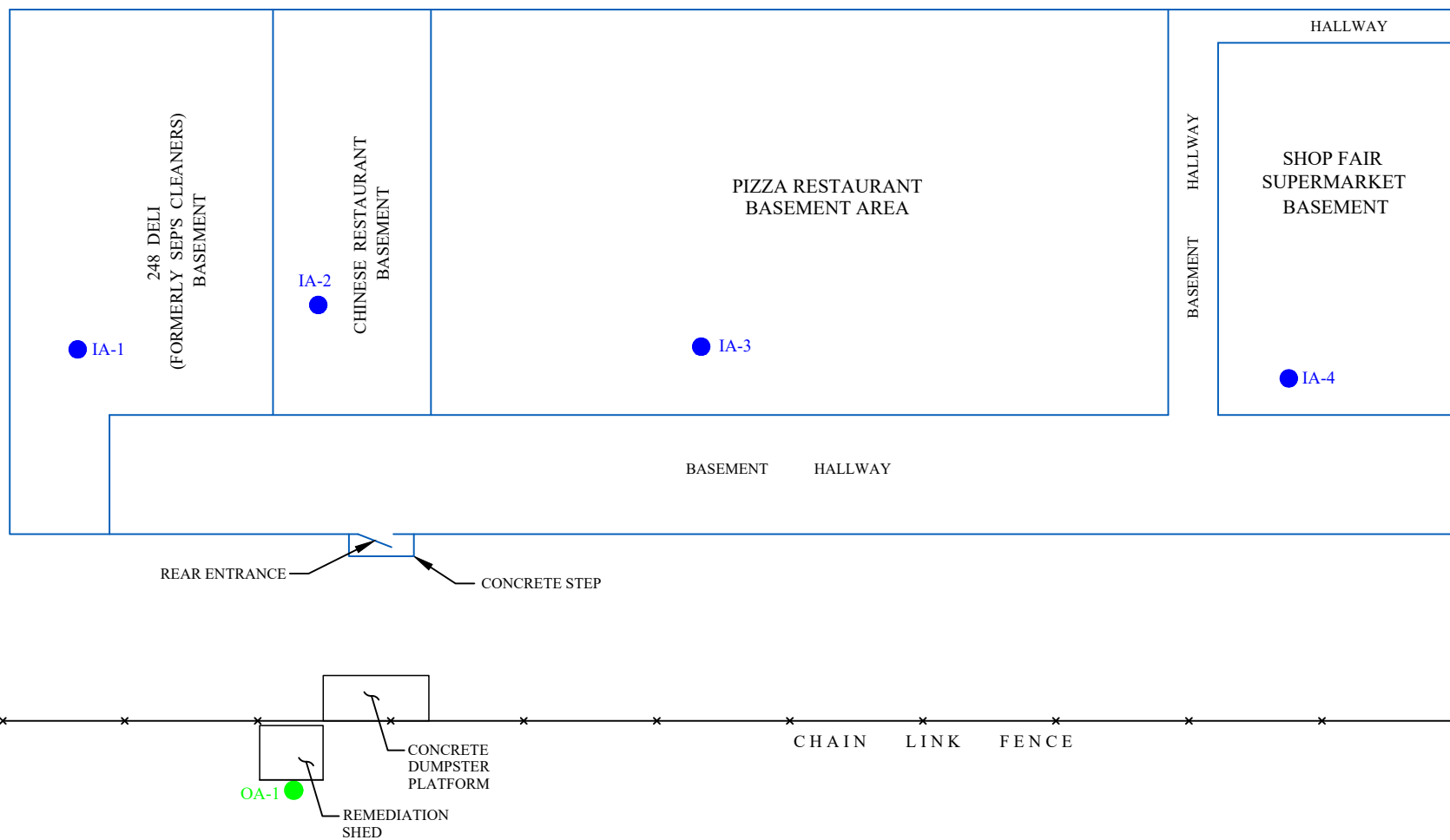
Peter Dermody, C.P.G.
Principal Hydrogeologist

cc: Cris-Sandra Maycock
Jane O.Connell
Ravi Korlipara
Barry Cohen

ROCKAWAY AVENUE



SIDEWALK



LEGEND

- IA-1 INDOOR AIR SAMPLE LOCATION
- OA-1 OUTDOOR AIR SAMPLE LOCATION

DRAWING SCALE 1" = 20'

DERMODY CONSULTING
CENTER MORICHES, NEW YORK

FIGURE 3
BASEMENT AND OUTDOOR
AIR SAMPLING LOCATIONS
250 LIVONIA AVENUE

Table 1
Volatile Organic Compounds
Indoor and Outdoor Air Chemical Analytical Results
Former Sep's Cleaners, Brooklyn, New York

Sample ID	IA-1	IA-2	IA-3	IA-4	OA-1	Indoor EPA 95 th Percentile/ NYSDOH Values
Sample Date	3-30-24	3-30-24	3-30-24	3-30-24	3-30-24	
1,4-Dichlorobenzene	0.48	ND	0.66	0.58	ND	12.5
1,2,4-Trimethylbenzene	0.70	0.45	0.62	0.52	ND	13.7
2-Butanone	2.1	2.5	4.0	3.5	1.2	12
2-Hexanone	1.6	ND	1.6	0.72	ND	--
4-Methyl-2-pentanone	0.82	ND	ND	ND	ND	8.1
Acetone	66	63	550	470	23	120.2
Acrylonitrile	0.19	0.78	0.72	4.4	0.63	--
Benzene	1.5	7.9	1.6	1.4	1.2	12.5
Carbon tetrachloride	0.50	0.63	0.99	1.2	0.42	0.7
Chloroform	2.4	7.0	5.5	11	ND	1.4
Chloromethane	0.89	16 TO-CCV, TO-LCS-H	3.8 TO-CCV, TO-LCS-H	5.2 TO-CCV, TO-LCS-H	4.4 TO-CCV, TO-LCS-H	4.4
Cyclohexane	0.49	ND	0.57	0.48	0.28	NL
Dichlorodifluoromethane	2.3	2.3	2.9	2.8	2.2	16.5
Ethylbenzene	0.73	0.44	0.72	0.61	0.36	5.7
*Ethyl acetate	2.0	1.6	4.5	ND	ND	5.4
Isopropanol	31	410 E, TO- IPA	18	27	4.3	NL
Methylene chloride	1.6	1.3	1.8	1.5		60
n-Heptane	2.1	1.4	6.3	3.7	0.61	NL
n-Hexane	1.4	0.84	1.6	1.4	0.96	10.2

Table 1 (cont.)
Volatile Organic Compounds
Indoor and Outdoor Air Chemical Analytical Results
Former Sep's Cleaners, Brooklyn, New York

Sample ID	IA-1	IA-2	IA-3	IA-4	OA-1	Indoor EPA BASE 95 th Percentile/ NYSDOH Values
Sample Date	3-30-24	3-30-24	3-30-24	3-30-24	3-30-24	--
o-Xylene	0.90	0.44	0.82	0.72	ND	7.9
p- & m- Xylenes	2.4	1.2	2.1	1.8	0.86	NL
p-Ethyltoluene	0.67	ND	ND	0.47	ND	NL
Styrene	0.51	ND	ND	0.60	ND	1.9
Tetrachloroethylene	1.7	0.62	0.64	1.6	0.56	15.9
Tetrahydrofuran	0.61	ND	ND	4.9	ND	NL
Toluene	9.9	6.4	30	17	1.4	43.0
Trichlorofluoromethane	1.0	1.4	1.7	1.6	1.3	18.1
2,2,4- Trimethylpentane*	ND	0.728	1.44	1.47	0.656	NL

Table 1 (cont.)
Volatile Organic Compounds
Indoor and Outdoor Air Chemical Analytical Results
Former Sep's Cleaners, Brooklyn, New York

Notes:

All results in mcg/m³.

ND: not detected.

*Analyte is not certified or the state of the sample origin does not offer certification for the analyte.

TO-CCV,LCS-H: The value reported is estimated for this compound due to its behavior during calibration verification.

TO-CCV: The value reported is estimated for this compound due to its behavior during calibration verification.

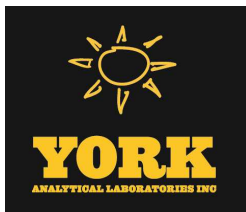
E: the concentration indicated for this analyte is estimated.value above the calibration range of the instrument,

NL: EPA BASE C1 value not listed.

Bolded values indicate EPA standard.

TO-IPA: the value for isopropanol is estimated. Dilutions are not conducted for this analyte.

Attachment A



Technical Report

prepared for:

Dermody Consulting, Inc.

32 Chichester Ave., 2nd Floor

Center Moriches NY, 11934

Attention: Peter Dermody

Report Date: 04/22/2024

Client Project ID: Livonia Ave

York Project (SDG) No.: 24D0236

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: 04/22/2024
Client Project ID: Livonia Ave
York Project (SDG) No.: 24D0236

Dermody Consulting, Inc.
32 Chichester Ave., 2nd Floor
Center Moriches NY, 11934
Attention: Peter Dermody

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 April 03, 2024 and listed below. The project was identified as your project: **Livonia Ave.**

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>
24D0236-01	GD (IA-1)	Indoor Ambient Air	03/30/2024	04/03/2024
24D0236-02	PZ (IA-2)	Indoor Ambient Air	03/30/2024	04/03/2024
24D0236-03	SM (IA-3)	Indoor Ambient Air	03/30/2024	04/03/2024
24D0236-04	CR (IA-4)	Indoor Ambient Air	03/30/2024	04/03/2024
24D0236-05	OA (OA-1)	Outdoor Ambient Ai	03/30/2024	04/03/2024

General Notes for York Project (SDG) No.: 24D0236

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.

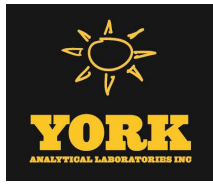
Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 04/22/2024





Sample Information

Client Sample ID: GD (IA-1)

York Sample ID: 24D0236-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0236

Livonia Ave

Indoor Ambient Air

March 30, 2024 9:00 am

04/03/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

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
540-84-1	* 2,2,4-Trimethylpentane	ND		ug/m ³	0.186	0.796	EPA TO-15 Certifications:	04/16/2024 10:00	04/16/2024 22:48	VH

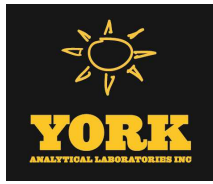
Volatile Organics, EPA TO15 Full List

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	0.55	0.796	EPA TO-15 Certifications:	04/16/2024 10:00	04/16/2024 22:48	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.43	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.55	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.61	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.43	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.32	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.079	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.59	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
95-63-6	1,2,4-Trimethylbenzene	0.70		ug/m ³	0.39	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.61	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.48	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.32	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.37	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.56	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.39	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH



Sample Information

Client Sample ID: GD (IA-1)

York Sample ID: 24D0236-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0236

Livonia Ave

Indoor Ambient Air

March 30, 2024 9:00 am

04/03/2024

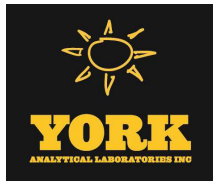
Volatile Organics, EPA TO15 Full List

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	0.53	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.48	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.37	0.796	EPA TO-15 Certifications:	04/16/2024 10:00	04/16/2024 22:48	VH
106-46-7	1,4-Dichlorobenzene	0.48		ug/m ³	0.48	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.57	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
78-93-3	2-Butanone	2.1		ug/m ³	0.23	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
591-78-6	* 2-Hexanone	1.6		ug/m ³	0.65	0.796	EPA TO-15 Certifications:	04/16/2024 10:00	04/16/2024 22:48	VH
107-05-1	3-Chloropropene	ND		ug/m ³	1.2	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
108-10-1	4-Methyl-2-pentanone	0.82		ug/m ³	0.33	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
67-64-1	Acetone	66		ug/m ³	1.8	1.494	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/19/2024 18:55	YR
107-13-1	Acrylonitrile	0.19		ug/m ³	0.17	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
71-43-2	Benzene	1.5		ug/m ³	0.25	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.41	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.53	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
75-25-2	Bromoform	ND		ug/m ³	0.82	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
74-83-9	Bromomethane	ND		ug/m ³	0.31	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
75-15-0	Carbon disulfide	ND		ug/m ³	0.25	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
56-23-5	Carbon tetrachloride	0.50		ug/m ³	0.13	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.37	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
75-00-3	Chloroethane	ND		ug/m ³	0.21	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH



Sample Information

Client Sample ID: GD (IA-1)

York Sample ID: 24D0236-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0236

Livonia Ave

Indoor Ambient Air

March 30, 2024 9:00 am

04/03/2024

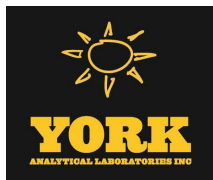
Volatile Organics, EPA TO15 Full List

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
67-66-3	Chloroform	2.4		ug/m ³	0.39	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
74-87-3	Chloromethane	0.89		ug/m ³	0.16	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.079	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.36	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
110-82-7	Cyclohexane	0.49		ug/m ³	0.27	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	0.68	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
75-71-8	Dichlorodifluoromethane	2.3		ug/m ³	0.39	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
141-78-6	* Ethyl acetate	2.0		ug/m ³	0.57	0.796	EPA TO-15 Certifications:	04/16/2024 10:00	04/16/2024 22:48	VH
100-41-4	Ethyl Benzene	0.73		ug/m ³	0.35	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.85	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
67-63-0	Isopropanol	31		ug/m ³	0.98	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.33	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.29	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
75-09-2	Methylene chloride	1.6		ug/m ³	0.55	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
91-20-3	* Naphthalene	ND		ug/m ³	0.83	0.796	EPA TO-15 Certifications: NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
142-82-5	n-Heptane	2.1		ug/m ³	0.33	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
110-54-3	n-Hexane	1.4		ug/m ³	0.28	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
95-47-6	o-Xylene	0.90		ug/m ³	0.35	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
179601-23-1	p- & m- Xylenes	2.4		ug/m ³	0.69	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
622-96-8	* p-Ethyltoluene	0.67		ug/m ³	0.39	0.796	EPA TO-15 Certifications:	04/16/2024 10:00	04/16/2024 22:48	VH



Sample Information

Client Sample ID: GD (IA-1)

York Sample ID: 24D0236-01

York Project (SDG) No.
24D0236

Client Project ID
Livonia Ave

Matrix
Indoor Ambient Air

Collection Date/Time
March 30, 2024 9:00 am

Date Received
04/03/2024

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
115-07-1	* Propylene	ND		ug/m ³	0.14	0.796	EPA TO-15 Certifications:	04/16/2024 10:00	04/16/2024 22:48	VH
100-42-5	Styrene	0.51		ug/m ³	0.34	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
127-18-4	Tetrachloroethylene	1.7		ug/m ³	0.54	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
109-99-9	* Tetrahydrofuran	0.61		ug/m ³	0.47	0.796	EPA TO-15 Certifications:	04/16/2024 10:00	04/16/2024 22:48	VH
108-88-3	Toluene	9.9		ug/m ³	0.30	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.32	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.36	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
79-01-6	Trichloroethylene	ND		ug/m ³	0.11	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
75-69-4	Trichlorofluoromethane (Freon 11)	1.0		ug/m ³	0.45	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
108-05-4	Vinyl acetate	ND		ug/m ³	0.28	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
593-60-2	Vinyl bromide	ND		ug/m ³	0.35	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH
75-01-4	Vinyl Chloride	ND		ug/m ³	0.10	0.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/16/2024 10:00	04/16/2024 22:48	VH

Sample Information

Client Sample ID: PZ (IA-2)

York Sample ID: 24D0236-02

York Project (SDG) No.
24D0236

Client Project ID
Livonia Ave

Matrix
Indoor Ambient Air

Collection Date/Time
March 30, 2024 9:00 am

Date Received
04/03/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

Log-in Notes:

Sample Notes:

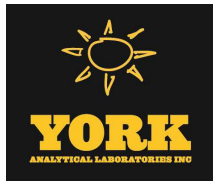
Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
540-84-1	* 2,2,4-Trimethylpentane	0.728		ug/m ³	0.214	0.917	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 20:57	VH

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: PZ (IA-2)

York Sample ID: 24D0236-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0236

Livonia Ave

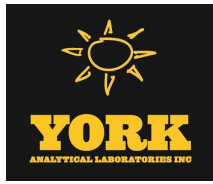
Indoor Ambient Air

March 30, 2024 9:00 am

04/03/2024

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	0.63	0.917	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 20:57	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.50	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.63	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.70	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.50	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.37	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.091	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
120-82-1	1,2,4-Trichlorobenzene	ND	ICVE	ug/m ³	0.68	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
95-63-6	1,2,4-Trimethylbenzene	0.45		ug/m ³	0.45	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.70	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.55	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.37	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.42	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.64	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.45	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
106-99-0	1,3-Butadiene	ND		ug/m ³	0.61	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.55	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.42	0.917	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 20:57	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.55	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.66	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH



Sample Information

Client Sample ID: PZ (IA-2)

York Sample ID: 24D0236-02

York Project (SDG) No.

24D0236

Client Project ID

Livonia Ave

Matrix

Indoor Ambient Air

Collection Date/Time

March 30, 2024 9:00 am

Date Received

04/03/2024

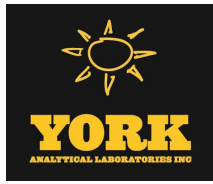
Volatile Organics, EPA TO15 Full List

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
78-93-3	2-Butanone	2.5		ug/m ³	0.27	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
591-78-6	* 2-Hexanone	ND		ug/m ³	0.75	0.917	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 20:57	VH
107-05-1	3-Chloropropene	ND		ug/m ³	1.4	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.38	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
67-64-1	Acetone	63		ug/m ³	1.7	1.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/18/2024 18:17	VH
107-13-1	Acrylonitrile	0.78		ug/m ³	0.20	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
71-43-2	Benzene	7.9		ug/m ³	0.29	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.47	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.61	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
75-25-2	Bromoform	ND		ug/m ³	0.95	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
74-83-9	Bromomethane	ND		ug/m ³	0.36	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
75-15-0	Carbon disulfide	ND		ug/m ³	0.29	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
56-23-5	Carbon tetrachloride	0.63		ug/m ³	0.14	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.42	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
75-00-3	Chloroethane	ND		ug/m ³	0.24	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
67-66-3	Chloroform	7.0		ug/m ³	0.45	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
74-87-3	Chloromethane	16	TO-CC V, TO-LC S-H	ug/m ³	0.19	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.091	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.42	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH



Sample Information

Client Sample ID: PZ (IA-2)

York Sample ID: 24D0236-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0236

Livonia Ave

Indoor Ambient Air

March 30, 2024 9:00 am

04/03/2024

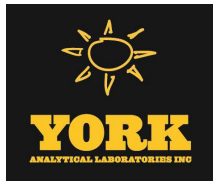
Volatile Organics, EPA TO15 Full List

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
110-82-7	Cyclohexane	ND		ug/m ³	0.32	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	0.78	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
75-71-8	Dichlorodifluoromethane	2.3		ug/m ³	0.45	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
141-78-6	* Ethyl acetate	1.6		ug/m ³	0.66	0.917	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 20:57	VH
100-41-4	Ethyl Benzene	0.44		ug/m ³	0.40	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.98	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
67-63-0	Isopropanol	410	E, TO-IPA	ug/m ³	1.8	1.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/18/2024 18:17	VH
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.38	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.33	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
75-09-2	Methylene chloride	1.3		ug/m ³	0.64	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
91-20-3	* Naphthalene	ND	ICVE	ug/m ³	0.96	0.917	EPA TO-15 Certifications: NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
142-82-5	n-Heptane	1.4		ug/m ³	0.38	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
110-54-3	n-Hexane	0.84		ug/m ³	0.32	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
95-47-6	o-Xylene	0.44		ug/m ³	0.40	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
179601-23-1	p- & m- Xylenes	1.2		ug/m ³	0.80	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.45	0.917	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 20:57	VH
115-07-1	* Propylene	ND		ug/m ³	0.16	0.917	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 20:57	VH
100-42-5	Styrene	ND		ug/m ³	0.39	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
127-18-4	Tetrachloroethylene	0.62		ug/m ³	0.62	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.54	0.917	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 20:57	VH



Sample Information

Client Sample ID: PZ (IA-2)

York Sample ID: 24D0236-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0236

Livonia Ave

Indoor Ambient Air

March 30, 2024 9:00 am

04/03/2024

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	6.4		ug/m ³	0.35	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.36	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.42	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
79-01-6	Trichloroethylene	ND		ug/m ³	0.12	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
75-69-4	Trichlorofluoromethane (Freon 11)	1.4		ug/m ³	0.52	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
108-05-4	Vinyl acetate	ND		ug/m ³	0.32	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
593-60-2	Vinyl bromide	ND		ug/m ³	0.40	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH
75-01-4	Vinyl Chloride	ND		ug/m ³	0.12	0.917	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 20:57	VH

Sample Information

Client Sample ID: SM (IA-3)

York Sample ID: 24D0236-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0236

Livonia Ave

Indoor Ambient Air

March 30, 2024 9:00 am

04/03/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

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
540-84-1	* 2,2,4-Trimethylpentane	1.44		ug/m ³	0.184	0.788	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 21:57	VH

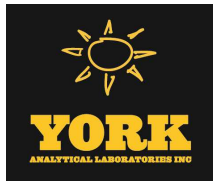
Volatile Organics, EPA TO15 Full List

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	0.54	0.788	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 21:57	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.43	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH



Sample Information

Client Sample ID: SM (IA-3)

York Sample ID: 24D0236-03

York Project (SDG) No.

24D0236

Client Project ID

Livonia Ave

Matrix

Indoor Ambient Air

Collection Date/Time

March 30, 2024 9:00 am

Date Received

04/03/2024

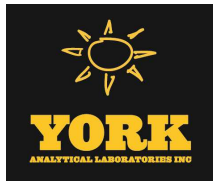
Volatile Organics, EPA TO15 Full List

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
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.54	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.60	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.43	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.32	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.078	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
120-82-1	1,2,4-Trichlorobenzene	ND	ICVE	ug/m ³	0.58	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
95-63-6	1,2,4-Trimethylbenzene	0.62		ug/m ³	0.39	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.61	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.47	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.32	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.36	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.55	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.39	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
106-99-0	1,3-Butadiene	ND		ug/m ³	0.52	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.47	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.36	0.788	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 21:57	VH
106-46-7	1,4-Dichlorobenzene	0.66		ug/m ³	0.47	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.57	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
78-93-3	2-Butanone	4.0		ug/m ³	0.23	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH



Sample Information

Client Sample ID: SM (IA-3)

York Sample ID: 24D0236-03

York Project (SDG) No.

24D0236

Client Project ID

Livonia Ave

Matrix

Indoor Ambient Air

Collection Date/Time

March 30, 2024 9:00 am

Date Received

04/03/2024

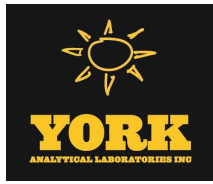
Volatile Organics, EPA TO15 Full List

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	1.6		ug/m ³	0.65	0.788	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 21:57	VH
107-05-1	3-Chloropropene	ND		ug/m ³	1.2	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.32	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
67-64-1	Acetone	550		ug/m ³	8.8	7.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/18/2024 19:04	VH
107-13-1	Acrylonitrile	0.72		ug/m ³	0.17	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
71-43-2	Benzene	1.6		ug/m ³	0.25	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.41	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.53	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
75-25-2	Bromoform	ND		ug/m ³	0.81	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
74-83-9	Bromomethane	ND		ug/m ³	0.31	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
75-15-0	Carbon disulfide	ND		ug/m ³	0.25	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
56-23-5	Carbon tetrachloride	0.99		ug/m ³	0.12	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.36	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
75-00-3	Chloroethane	ND		ug/m ³	0.21	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
67-66-3	Chloroform	5.5		ug/m ³	0.38	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
74-87-3	Chloromethane	3.8	TO-CC V, TO-LC S-H	ug/m ³	0.16	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.078	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.36	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
110-82-7	Cyclohexane	0.57		ug/m ³	0.27	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH



Sample Information

Client Sample ID: SM (IA-3)

York Sample ID: 24D0236-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0236

Livonia Ave

Indoor Ambient Air

March 30, 2024 9:00 am

04/03/2024

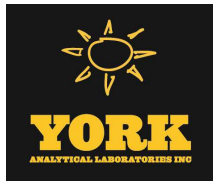
Volatile Organics, EPA TO15 Full List

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
124-48-1	Dibromochloromethane	ND		ug/m ³	0.67	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
75-71-8	Dichlorodifluoromethane	2.9		ug/m ³	0.39	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
141-78-6	* Ethyl acetate	4.5		ug/m ³	0.57	0.788	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 21:57	VH
100-41-4	Ethyl Benzene	0.72		ug/m ³	0.34	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.84	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
67-63-0	Isopropanol	18		ug/m ³	0.97	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.32	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.28	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
75-09-2	Methylene chloride	1.8		ug/m ³	0.55	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
91-20-3	* Naphthalene	ND	ICVE	ug/m ³	0.83	0.788	EPA TO-15 Certifications: NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
142-82-5	n-Heptane	6.3		ug/m ³	0.32	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
110-54-3	n-Hexane	1.6		ug/m ³	0.28	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
95-47-6	o-Xylene	0.82		ug/m ³	0.34	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
179601-23-1	p- & m- Xylenes	2.1		ug/m ³	0.68	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
622-96-8	* p-Ethyltoluene	0.54		ug/m ³	0.39	0.788	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 21:57	VH
115-07-1	* Propylene	ND		ug/m ³	0.14	0.788	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 21:57	VH
100-42-5	Styrene	1.1		ug/m ³	0.34	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
127-18-4	Tetrachloroethylene	0.64		ug/m ³	0.53	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.46	0.788	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 21:57	VH
108-88-3	Toluene	30		ug/m ³	0.30	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH



Sample Information

Client Sample ID: SM (IA-3)

York Sample ID: 24D0236-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0236

Livonia Ave

Indoor Ambient Air

March 30, 2024 9:00 am

04/03/2024

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	0.31	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.36	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
79-01-6	Trichloroethylene	ND		ug/m ³	0.11	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
75-69-4	Trichlorofluoromethane (Freon 11)	1.7		ug/m ³	0.44	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
108-05-4	Vinyl acetate	ND		ug/m ³	0.28	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
593-60-2	Vinyl bromide	ND		ug/m ³	0.34	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH
75-01-4	Vinyl Chloride	ND		ug/m ³	0.10	0.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 21:57	VH

Sample Information

Client Sample ID: CR (IA-4)

York Sample ID: 24D0236-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0236

Livonia Ave

Indoor Ambient Air

March 30, 2024 9:00 am

04/03/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

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
540-84-1	* 2,2,4-Trimethylpentane	1.47		ug/m ³	0.204	0.875	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 22:57	VH

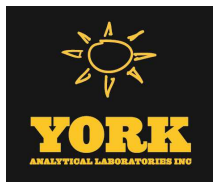
Volatile Organics, EPA TO15 Full List

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:	04/17/2024 07:00	04/17/2024 22:57	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.48	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.60	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH



Sample Information

Client Sample ID: CR (IA-4)

York Sample ID: 24D0236-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0236

Livonia Ave

Indoor Ambient Air

March 30, 2024 9:00 am

04/03/2024

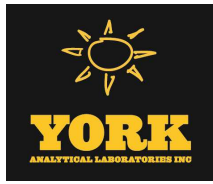
Volatile Organics, EPA TO15 Full List

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
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	04/17/2024 07:00	04/17/2024 22:57	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.48	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.35	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.087	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
120-82-1	1,2,4-Trichlorobenzene	ND	ICVE	ug/m ³	0.65	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
95-63-6	1,2,4-Trimethylbenzene	0.52		ug/m ³	0.43	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.67	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.53	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.35	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.40	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.61	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.43	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
106-99-0	1,3-Butadiene	ND		ug/m ³	0.58	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.53	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.40	0.875	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 22:57	VH
106-46-7	1,4-Dichlorobenzene	0.58		ug/m ³	0.53	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.63	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
78-93-3	2-Butanone	3.5		ug/m ³	0.26	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
591-78-6	* 2-Hexanone	0.72		ug/m ³	0.72	0.875	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 22:57	VH



Sample Information

Client Sample ID: CR (IA-4)

York Sample ID: 24D0236-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0236

Livonia Ave

Indoor Ambient Air

March 30, 2024 9:00 am

04/03/2024

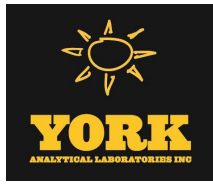
Volatile Organics, EPA TO15 Full List

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	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.36	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
67-64-1	Acetone	470		ug/m ³	9.8	8.215	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/18/2024 19:52	VH
107-13-1	Acrylonitrile	4.4		ug/m ³	0.19	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
71-43-2	Benzene	1.4		ug/m ³	0.28	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.45	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.59	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
75-25-2	Bromoform	ND		ug/m ³	0.90	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
74-83-9	Bromomethane	ND		ug/m ³	0.34	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
75-15-0	Carbon disulfide	ND		ug/m ³	0.27	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
56-23-5	Carbon tetrachloride	1.2		ug/m ³	0.14	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.40	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
75-00-3	Chloroethane	ND		ug/m ³	0.23	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
67-66-3	Chloroform	11		ug/m ³	0.43	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
74-87-3	Chloromethane	5.2	TO-CC V, TO-LC S-H	ug/m ³	0.18	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.087	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.40	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
110-82-7	Cyclohexane	0.48		ug/m ³	0.30	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	0.75	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH



Sample Information

Client Sample ID: CR (IA-4)

York Sample ID: 24D0236-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0236

Livonia Ave

Indoor Ambient Air

March 30, 2024 9:00 am

04/03/2024

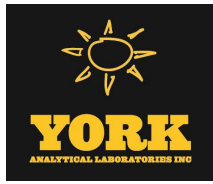
Volatile Organics, EPA TO15 Full List

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
75-71-8	Dichlorodifluoromethane	2.8		ug/m ³	0.43	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
141-78-6	* Ethyl acetate	4.2		ug/m ³	0.63	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
100-41-4	Ethyl Benzene	0.61		ug/m ³	0.38	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.93	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
67-63-0	Isopropanol	27		ug/m ³	1.1	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.36	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.32	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
75-09-2	Methylene chloride	1.5		ug/m ³	0.61	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
91-20-3	* Naphthalene	ND	ICVE	ug/m ³	0.92	0.875	EPA TO-15 Certifications: NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
142-82-5	n-Heptane	3.7		ug/m ³	0.36	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
110-54-3	n-Hexane	1.4		ug/m ³	0.31	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
95-47-6	o-Xylene	0.72		ug/m ³	0.38	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
179601-23-1	p- & m- Xylenes	1.8		ug/m ³	0.76	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
622-96-8	* p-Ethyltoluene	0.47		ug/m ³	0.43	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
115-07-1	* Propylene	ND		ug/m ³	0.15	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
100-42-5	Styrene	0.60		ug/m ³	0.37	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
127-18-4	Tetrachloroethylene	1.6		ug/m ³	0.59	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
109-99-9	* Tetrahydrofuran	4.9		ug/m ³	0.52	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
108-88-3	Toluene	17		ug/m ³	0.33	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.35	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH



Sample Information

Client Sample ID: CR (IA-4)

York Sample ID: 24D0236-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0236

Livonia Ave

Indoor Ambient Air

March 30, 2024 9:00 am

04/03/2024

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
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.40	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
79-01-6	Trichloroethylene	ND		ug/m ³	0.12	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
75-69-4	Trichlorofluoromethane (Freon 11)	1.6		ug/m ³	0.49	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
108-05-4	Vinyl acetate	ND		ug/m ³	0.31	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
593-60-2	Vinyl bromide	ND		ug/m ³	0.38	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH
75-01-4	Vinyl Chloride	ND		ug/m ³	0.11	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 22:57	VH

Sample Information

Client Sample ID: OA (OA-1)

York Sample ID: 24D0236-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0236

Livonia Ave

Outdoor Ambient Air

March 30, 2024 9:00 am

04/03/2024

VOA, TO15 Isooctane (2,2,4-TMP) Add On

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
540-84-1	* 2,2,4-Trimethylpentane	0.656		ug/m ³	0.193	0.826	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 23:56	VH

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	0.57	0.826	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 23:56	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.45	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.57	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.63	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH



Sample Information

Client Sample ID: OA (OA-1)

York Sample ID: 24D0236-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0236

Livonia Ave

Outdoor Ambient Air

March 30, 2024 9:00 am

04/03/2024

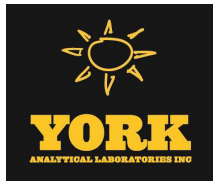
Volatile Organics, EPA TO15 Full List

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
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.45	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.33	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.082	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
120-82-1	1,2,4-Trichlorobenzene	ND	ICVE	ug/m ³	0.61	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.41	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.63	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.50	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.33	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.38	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.58	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.41	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
106-99-0	1,3-Butadiene	ND		ug/m ³	0.55	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.50	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.38	0.826	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 23:56	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.50	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.60	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
78-93-3	2-Butanone	1.2		ug/m ³	0.24	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
591-78-6	* 2-Hexanone	ND		ug/m ³	0.68	0.826	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 23:56	VH
107-05-1	3-Chloropropene	ND		ug/m ³	1.3	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH



Sample Information

Client Sample ID: OA (OA-1)

York Sample ID: 24D0236-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0236

Livonia Ave

Outdoor Ambient Air

March 30, 2024 9:00 am

04/03/2024

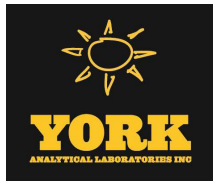
Volatile Organics, EPA TO15 Full List

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
108-10-1	4-Methyl-2-pentanone	0.37		ug/m ³	0.34	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
67-64-1	Acetone	23		ug/m ³	0.98	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
107-13-1	Acrylonitrile	0.63		ug/m ³	0.18	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
71-43-2	Benzene	1.2		ug/m ³	0.26	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.43	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.55	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
75-25-2	Bromoform	ND		ug/m ³	0.85	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
74-83-9	Bromomethane	ND		ug/m ³	0.32	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
75-15-0	Carbon disulfide	ND		ug/m ³	0.26	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
56-23-5	Carbon tetrachloride	0.42		ug/m ³	0.13	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.38	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
75-00-3	Chloroethane	ND		ug/m ³	0.22	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
67-66-3	Chloroform	ND		ug/m ³	0.40	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
74-87-3	Chloromethane	4.4	TO-CC V, TO-LC S-H	ug/m ³	0.17	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.082	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.37	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
110-82-7	Cyclohexane	0.28		ug/m ³	0.28	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	0.70	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
75-71-8	Dichlorodifluoromethane	2.2		ug/m ³	0.41	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH



Sample Information

Client Sample ID: OA (OA-1)

York Sample ID: 24D0236-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24D0236

Livonia Ave

Outdoor Ambient Air

March 30, 2024 9:00 am

04/03/2024

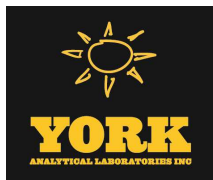
Volatile Organics, EPA TO15 Full List

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
141-78-6	* Ethyl acetate	ND		ug/m ³	0.60	0.826	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 23:56	VH
100-41-4	Ethyl Benzene	0.36		ug/m ³	0.36	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.88	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
67-63-0	Isopropanol	4.3		ug/m ³	1.0	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.34	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.30	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
75-09-2	Methylene chloride	ND		ug/m ³	0.57	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
91-20-3	* Naphthalene	ND	ICVE	ug/m ³	0.87	0.826	EPA TO-15 Certifications: NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
142-82-5	n-Heptane	0.61		ug/m ³	0.34	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
110-54-3	n-Hexane	0.96		ug/m ³	0.29	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
95-47-6	o-Xylene	ND		ug/m ³	0.36	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
179601-23-1	p- & m- Xylenes	0.86		ug/m ³	0.72	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.41	0.826	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 23:56	VH
115-07-1	* Propylene	ND		ug/m ³	0.14	0.826	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 23:56	VH
100-42-5	Styrene	ND		ug/m ³	0.35	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
127-18-4	Tetrachloroethylene	0.56		ug/m ³	0.56	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.49	0.826	EPA TO-15 Certifications:	04/17/2024 07:00	04/17/2024 23:56	VH
108-88-3	Toluene	1.4		ug/m ³	0.31	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.33	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.37	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH



Sample Information

Client Sample ID: OA (OA-1)

York Sample ID: 24D0236-05

York Project (SDG) No.
24D0236

Client Project ID
Livonia Ave

Matrix
Outdoor Ambient Air

Collection Date/Time
March 30, 2024 9:00 am

Date Received
04/03/2024

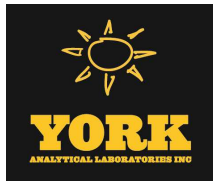
Volatile Organics, EPA TO15 Full List

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
79-01-6	Trichloroethylene	ND		ug/m ³	0.11	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	0.46	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
108-05-4	Vinyl acetate	ND		ug/m ³	0.29	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
593-60-2	Vinyl bromide	ND		ug/m ³	0.36	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH
75-01-4	Vinyl Chloride	ND		ug/m ³	0.11	0.826	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	04/17/2024 07:00	04/17/2024 23:56	VH





Sample and Data Qualifiers Relating to This Work Order

TO-LCS-H	The result reported for this compound may be biased high due to its behavior in the analysis batch LCS where it recovered greater than 130% of the expected value.
TO-IPA	The value for isopropanol is estimated. Dilutions are not conducted for this species as not to preclude actionable analytes by dilution.
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.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

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 current NELAC/TNI 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.
