

# **VOLATILE VAPOR INTRUSION (VVI) REPORT**

**CHARLES CAMPAGNE ELEMENTARY SCHOOL  
601 PLAINVIEW ROAD  
BETHPAGE, NEW YORK 11714**

**PREPARED FOR:  
BETHPAGE UNION FREE SCHOOL DISTRICT  
10 CHERRY AVENUE  
BETHPAGE, NEW YORK 11714**

**JCB PROJECT #: 22-51657  
MAY 2022**

**J.C. BRODERICK & ASSOCIATES, INC.  
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## Table of Contents

<b>Section No. 1.0: Introduction .....</b>	<b>2</b>
<b>Section No. 2.0: Site Description and Location .....</b>	<b>2</b>
<b>Section No. 3.0: Volatile Vapor Intrusion (VVI) Evaluation .....</b>	<b>2</b>
<b>Section No. 3.1: Pre-Work Field Preparations .....</b>	<b>2</b>
<b>Section No. 3.2: Subsurface Vapor Sample Collection.....</b>	<b>3</b>
<b>Section No. 3.3: Indoor Air Sample Collection.....</b>	<b>3</b>
<b>Section No. 3.3.1: 1<sup>st</sup> Floor Air Sample Collection.....</b>	<b>4</b>
<b>Section No. 3.3.2: 2<sup>nd</sup> Floor Air Sample Collection .....</b>	<b>4</b>
<b>Section No. 3.4: Outdoor (Ambient) Air Sample Collection.....</b>	<b>4</b>
<b>Section No. 4.0: Laboratory Analytical Summary.....</b>	<b>5</b>
<b>Section No. 5.0: Decision Matrices .....</b>	<b>6</b>
<b>Section No. 6.0: Quality Assurance and Quality Control (QA/QC) Procedures.....</b>	<b>7</b>
<b>Section No. 7.0: Findings .....</b>	<b>7</b>
<b>Section No. 7.1: Previous Analytical Results Trend Analysis.....</b>	<b>8</b>
<b>Section No. 8.0: Conclusions .....</b>	<b>9</b>
<b>Section No. 9.0: Recommendations .....</b>	<b>9</b>
<b>Section No. 9.0: Certification .....</b>	<b>9</b>

### **List of Tables**

Table No. 1 – Volatile Vapor Intrusion Analytical Results of Detected Compounds via EPA Method TO-15  
Table No. 2 - Volatile Chemicals Utilized in NYSDOH Decision Matrices  
Table No. 3 – Total VOCs ( $\mu\text{g}/\text{m}^3$ ) Detected Over Time

### **List of Graphs**

Graph No. 1 – Total VOCs ( $\mu\text{g}/\text{m}^3$ ) Detected Over Time – Sub-Slab Sample Locations  
Graph No. 2 – Total VOCs ( $\mu\text{g}/\text{m}^3$ ) Detected Over Time – Interior/Ambient Sample Locations

### **List of Figures**

Figure 1 - Site Location Map  
Figure 2 - Sub-Slab, 1<sup>st</sup> Floor, 2<sup>nd</sup> Floor and Ambient Sampling Locations

### **Appendices**

Appendix A - Figures  
Appendix B - Field Photograph Logs  
Appendix C - Laboratory Analytical Report

### **Section No. 1.0: Introduction**

J.C. Broderick and Associates, Inc. (JCB) was retained by the Bethpage Union Free School District (Bethpage) to investigate the potential for volatile vapor intrusion (VVI) at the Charles Campagne Elementary School campus. The sampling protocol was performed essentially in accordance with the requirements of the New York State Department of Health (NYSDOH) "Guidance for Evaluating Soil Vapor Intrusion in the State of New York", Final Version, October 2006 and all available updates.

### **Section No. 2.0: Site Description and Location**

The Subject Site is located at 601 Plainview Road Bethpage, New York 11714. The Subject Site is located on the east side of Plainview Road between Evelyn Drive to the north and Broadway to the south. According to the United States Geological Survey (USGS) *Huntington, New York, 1979 7.5 Minute Series Topographical Map*, the Subject Site is situated at an approximate elevation of 120 feet (ft) above mean sea level. The location of the Subject Site is shown on the Site Location Map, Appendix-A Figure-1.

### **Section No. 3.0: Volatile Vapor Intrusion (VVI) Evaluation**

The design scope outlined in the Volatile Vapor Intrusion (VVI) Investigation Work Plan (IWP) dated July 2012 prepared for the Bethpage High School was followed during the volatile vapor intrusion evaluations. The following sections describe the procedures taken.

#### **Section No. 3.1: Pre-Work Field Preparations**

Prior to setup, a pre-sampling inspection was performed to evaluate the physical layout and conditions of the school building, to specifically determine the location of each sample, identify conditions that may affect or interfere with the proposed sampling and to prepare the building for sampling.

- To document conditions during indoor air sampling and ultimately to aid in the interpretation of the sampling results, the following actions were taken:
  - The storage of volatile chemicals was identified.
  - The use of heating or air conditioning systems during sampling was noted.
  - Floor plan sketches were drawn which include: the floor layout with sampling locations, chemical storage areas, garages, doorways, stairways, locations of basement sumps or subsurface drains and utility perforations through building foundations, HVAC system supply and return registers, compass orientation (north) and footings that create separate foundation sections. Photographs were taken to accompany the floor plan sketches.
  - Any pertinent observations, including readings from a photo-Ionization Detector (PID) and other field instrumentation, were recorded.

### **Section No. 3.2: Subsurface Vapor Sample Collection**

The following summarizes the manner in which subsurface vapor samples were collected. Please refer to Figure No. 2 - Sub-Slab, 1<sup>st</sup> Floor, 2<sup>nd</sup> Floor and Ambient Sampling Locations for additional details.

- For the collection of the sub-slab vapor samples, a probe was fabricated from ½-inch diameter, threaded brass pipe with a barbed tubing connection. Using a hammer drill, a 1-inch hole was drilled into the concrete floor at least two inches below the base of the slab (three to four inches thick). The pipe was lowered into the hole, but not flush to the bottom, and set into place utilizing hydrated bentonite powder, which contains no volatile organic compounds (VOCs). A five (5) gallon plastic container was placed on top of the concrete floor and above the vapor point. The container was sealed to the concrete floor with modeling clay. Teflon-lined, ¼-inch I.D. disposable polyethylene tubing was then utilized to connect the barbed connection of the vapor point to a laboratory clean-certified, 6-liter SUMMA® canister, provided by York Analytical Laboratories, Inc. (York) through a flow controller pre-set for an eight (8) hour long sample duration. The tubing included a tee connection and valve to a purging vacuum pump calibrated for a flow rate of less than 0.2 liters per minute. The tubing, probe, and subsurface soil was purged of at least one (1) liter of vapor prior to the start of sample collection. Upon completion of the sampling, the probe was removed from the concrete slab and the hole patched with concrete.
- Helium (He) was introduced into the atmosphere under the pail, as a tracer gas, to assure the viability of the vapor point seals with the atmosphere. The tracer gas was monitored in the purge air before sampling and outside of all seals before, during and after sampling, utilizing a Myron Helium Detector. In addition, Helium (He) was analyzed for in the SUMMA® canister and if detected at more than ten (10) percent, the sample would be considered invalid and retaken.
- On April 20, 2022, a total of two (2) sub-slab vapor samples were collected.
  - One (1) sub-slab sample was collected from beneath the elevator mechanical room floor located at the north end of the school building.
  - One (1) sub-slab sample was collected from beneath the boiler room floor located at the south end of the school building.

### **Section No. 3.3: Indoor Air Sample Collection**

The following summarizes the manner in which indoor air samples were collected:

- Sample flow rates conformed to the specifications in the sample collection method (less than 0.2 liters per minute) and were consistent with the hours of operation of the school building. Samples were taken from areas where personnel and occupants would not interfere with the sampling. The samples were collected, utilizing conventional sampling methods, in laboratory clean-certified, 6-liter SUMMA® canisters, provided by York equipped with a flow controller pre-set for an eight (8) hour long sample duration. As per the guidance requirements, the samples were collected at a height approximately three (3) feet above the floor to represent a height at which occupants are normally seated.

### **Section No. 3.3.1: 1<sup>st</sup> Floor Air Sample Collection**

Please refer to Figure No. 2 - Sub-Slab, 1<sup>st</sup> Floor, 2<sup>nd</sup> Floor and Ambient Sampling Locations for additional details.

- On April 20, 2022, a total of five (5) first floor air samples were collected.
  - One (1) air sample was collected from within the elevator mechanical room located at the north end of the school building.
  - One (1) air sample was collected from within Classroom K-C located at the north end of the school building.
  - One (1) air sample was collected from within Classroom 103 located in the main hallway of the school building.
  - One (1) air sample was collected from within the west Music Office located at the south end of the school building.
  - One (1) air sample was collected from within the boiler room located at the south end of the school building.

### **Section No. 3.3.2: 2<sup>nd</sup> Floor Air Sample Collection**

Please refer to Figure No. 2 - Sub-Slab, 1<sup>st</sup> Floor, 2<sup>nd</sup> Floor and Ambient Sampling Locations for additional details.

- On April 20, 2022, one (1) 2<sup>nd</sup> floor air sample was collected.
  - One (1) air sample was collected from within Classroom 207 located in the main hallway of the school building.

### **Section No. 3.4: Outdoor (Ambient) Air Sample Collection**

An outdoor (ambient) air sample was collected simultaneously with subsurface and indoor samples to evaluate the potential influence, if any, of outdoor air on indoor air quality. To obtain a representative sample which meets the data quality objectives, the outdoor air sample was collected in a manner consistent with that for indoor air samples. The sample was collected, utilizing conventional sampling methods, in a laboratory clean-certified, 6-liter SUMMA® canister, provided by York equipped with a flow controller pre-set for an eight (8) hour sample duration. As per the guidance requirements, the sample was collected at a height approximately three (3) feet above the ground. Please refer to Figure No. 2 - Sub-Slab, 1<sup>st</sup> Floor, 2<sup>nd</sup> Floor and Ambient Sampling Locations for additional details.

- On April 20, 2022, one (1) outdoor (ambient) air sample was collected.
  - One (1) air sample was collected from outside the east side of the school building adjacent to Classroom Number 107.

#### **Section No. 4.0: Laboratory Analytical Summary**

The air samples were collected into laboratory supplied, clean-certified, 6-liter SUMMA® canisters, and assigned individual identification numbers. Chain of custody documents were prepared, and the samples were then delivered to an independent New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory for analysis.

York Analytical Laboratories, Inc. provided laboratory analytical services. Copies of York's NYSDOH certifications are available upon request.

Air samples submitted for laboratory analysis were analyzed for Volatile Organic Compounds (VOCs) utilizing the Environmental Protection Agency Toxic Organics 15 (EPA TO-15) list.

The laboratory analysis results for the air samples collected were reviewed and compared to the 90<sup>th</sup> percentile as listed in Table C2 EPA 2001: Building assessment and survey evaluation (BASE) database, SUMMA canister method found in NYSDOH's "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" dated October 2006 and all available updates.

The following table summarizes the Air Sample Analytical Results of Detected Compounds:

**Table No. 1:  
Volatile Vapor Intrusion Analytical Results of Detected Compounds via EPA Method TO-15**

Client Sample ID	Background Values	Ambient	SS-1 <sup>1</sup> Mech Rm	FF-1 Mech Rm	FF-2 Rm KC	FF-3 Rm 103	FF-4 Music	FF-5 Rm 207	SS-2 <sup>1</sup> Boiler	FF-6 Boiler
TO-15 List	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
1,1,1-Trichloroethane (TCA)	20.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	3.5	ND	ND	0.651	0.643	ND	ND	ND	ND	0.689
1,1-Dichloroethane	0.7	ND	ND	ND	ND	ND	ND	ND	<b>1.21</b>	0.364
1,1-Dichloroethene	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	6.8	ND	ND	ND	ND	ND	ND	ND	2.23	0.668
1,2,4-Trimethylbenzene	9.5	ND	<b>13.8</b>	0.418	ND	ND	ND	ND	3.05	0.442
1,3,5-Trimethylbenzene	3.7	ND	3.24	ND	ND	ND	ND	ND	1.47	0.442
1,3-Butadiene	3	ND	ND	ND	ND	ND	ND	ND	1.968	0.597
2-Butanone	12	0.354	<b>251</b>	0.884	1.12	0.973	0.796	1.00	<b>286</b>	0.737
2-Hexanone	~	ND	1.47	0.696	ND	ND	ND	ND	ND	0.737
4-Methyl-2-pentanone	6	ND	0.737	ND	ND	ND	ND	ND	ND	0.369
Acetone	98.9	2.37	<b>133</b>	5.94	19.47	5.46	8.55	6.87	<b>180</b>	3.56
Benzene	9.4	ND	2.17	0.351	0.294	0.415	ND	0.287	1.88	0.383
Carbon disulfide	4.2	ND	3.11	ND	ND	ND	ND	ND	1.84	0.280
Carbon tetrachloride	1.3	0.409	0.340	0.371	0.421	0.409	0.384	0.396	ND	0.396
Chloromethane	3.7	1.14	0.413	1.07	1.09	1.07	1.14	1.12	0.991	0.950
cis-1,2-Dichloroethylene	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	~	ND	2.58	ND	ND	ND	0.516	ND	1.65	0.310
Dichlorodifluoromethane	16.5	2.62	2.57	2.52	2.62	2.47	2.57	2.47	2.77	2.62
Ethyl acetate	5.4	ND	5.043	ND	ND	ND	ND	ND	ND	0.648
Ethyl Benzene	5.7	ND	3.13	ND	ND	ND	ND	ND	2.30	0.391
Isopropanol	250	1.60	11.1	1.82	9.09	2.09	3.19	4.67	14.0	6.39
Methyl Methacrylate	~	ND	0.737	0.348	0.377	0.377	0.614	0.368	1.23	0.368
Methylene chloride	10	0.625	2.67	1.60	4.51	0.799	3.82	0.660	2.15	1.01

**Table No. 1:**  
**Volatile Vapor Intrusion Analytical Results of Detected Compounds via EPA Method TO-15**

Client Sample ID	Background Values	Ambient	SS-1 <sup>1</sup> Mech Rm	FF-1 Mech Rm	FF-2 Rm KC	FF-3 Rm 103	FF-4 Music	FF-5 Rm 207	SS-2 <sup>1</sup> Boiler	FF-6 Boiler
TO-15 List	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
n-Heptane	~	ND	2.13	ND	0.344	0.377	ND	0.369	1.48	0.369
n-Hexane	10.2	ND	9.16	ND	ND	ND	ND	ND	8.81	0.317
o-Xylene	7.9	ND	5.21	0.369	0.365	0.399	0.651	0.391	2.213	0.391
p- & m- Xylenes	~	ND	11.28	ND	ND	ND	ND	ND	5.64	0.781
p-Ethyltoluene	3.6	ND	<b>9.83</b>	ND	ND	ND	ND	ND	2.60	0.442
Propylene	~	ND	ND	ND	0.224	ND	ND	0.499	24.1	0.155
Tetrachloroethene (PCE)	15.9	ND	ND	ND	0.569	2.169	ND	ND	ND	0.610
Tetrahydrofuran	~	ND	2.01	0.531	ND	ND	0.884	ND	1.74	0.531
Toluene	43	0.377	<b>200</b>	0.678	0.377	0.678	0.753	0.640	<b>188</b>	2.11
Trichloroethene (TCE)	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)	~	1.35	5.06	1.348	1.40	1.40	1.29	1.35	1.69	1.46
Vinyl Chloride	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Helium	~	----	ND	----	----	----	----	----	ND	----

**Notes:**

µg/m<sup>3</sup> = parts per billion

NA = Background Value Not Established

ND = Not Detected above the laboratory minimum detection limit

~ = No regulatory limit has been established in this analyte

Background Values = Table C2 EPA 2001: Building assessment and survey evaluation (BASE) database, SUMMA canister method - 90<sup>th</sup> percentile

<sup>1</sup> The State of New York does not have any standards, criteria, or guidance values for concentrations of volatile chemicals in subsurface vapors

Compounds in gray are used in Decision Matrices A, B, & C. - See Table No. 2 for additional information.

Helium was used as a tracer gas at the subsurface sample locations, a detection of over 10% would indicate a breakthrough in the subsurface probe seal.

### **Section No. 5.0: Decision Matrices**

Decision matrices are risk management tools developed by the NYSDOH to provide guidance on a case-by-case basis about actions that should be taken to address current and potential exposures related to soil vapor intrusion. The matrices are intended to be used when evaluating the results from buildings with full slab foundations.

The NYSDOH has currently developed eight (8) matrices to use as tools in making decisions when soil vapor may be entering buildings. JCB implemented the matrices and the following table summarizes the results:

**Table No. 2:**  
**Volatile Chemicals Utilized in NYSDOH Decision Matrices**

Compound	Soil Vapor/Indoor Air Decision Matrix	Result
1,1,1-Trichloroethane (TCA)	Matrix B	No Further Action
Carbon Tetrachloride	Matrix A	No Further Action
cis 1,2-Dichloroethene	Matrix A	No Further Action
1,1-Dichloroethene	Matrix A	No Further Action
Methylene Chloride	Matrix B	No Further Action
Tetrachloroethene (PCE)	Matrix B	No Further Action

Trichloroethene (TCE)	Matrix A	No Further Action
Vinyl Chloride	Matrix C	No Further Action
<b>Notes:</b>		
A total of eight (8) chemicals have been assigned to decision matrices by the NYSDOH, May 2017.		

The results of the matrices indicate that “No Further Action” is required for all eight (8) volatile organic chemicals utilized in the NYSDOH Decision Matrices.

The concentrations detected in the indoor air samples are likely due to the daily operations within the building or outdoor sources rather than soil vapor intrusion given the concentrations detected in the subslab vapor samples.

### **Section No. 6.0: Quality Assurance and Quality Control (QA/QC) Procedures**

In order to prevent cross-contamination between sampling locations, all re-usable sampling equipment which came into contact with sample materials was decontaminated prior to each use. Equipment used for sample collection was wiped clean, washed in a solution of Alconox and thoroughly rinsed with potable water. New and dedicated polyethylene tubing was used for collection of each subsurface sample. All sampling personnel wore disposable latex, nylon, or nitrile gloves during sampling events. At a minimum, gloves were changed between locations and before each laboratory sample were collected.

- The field sampling team maintained sampling log sheets summarizing the following:
  - Sample identification;
  - Canister ID Number;
  - Regulator ID Number;
  - Date and time of sample collection;
  - Sampling height;
  - Sampling methods and devices;
  - The volume of air sampled;
  - The vacuum of canisters before and after sample collection;
  - Chain of custody protocols and records used to track samples from sampling point to analysis.
- Subsequent to sample collection, the Summa® canister was labeled with the sampling location, time, and samplers initials.

### **Section No. 7.0: Findings**

Based upon the review of the VVI laboratory analysis results all detectable concentrations observed were reported well below published occupational health guidelines. In addition, all detectable concentrations observed in the occupied spaces of the school buildings were below their background values as reported in EPA 2001: Building assessment and survey evaluation (BASE) database, SUMMA canister method 90<sup>th</sup> Percentile found in NYSDOH’s “Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York” dated October 2006. The concentrations detected in the indoor air samples are likely due to the daily operations within the building or outdoor sources rather than soil vapor intrusion when compared against the concentrations detected in the subsurface soil vapor samples.

- Based upon these findings, no hazardous condition or immediate health concern was identified associated with VVI.

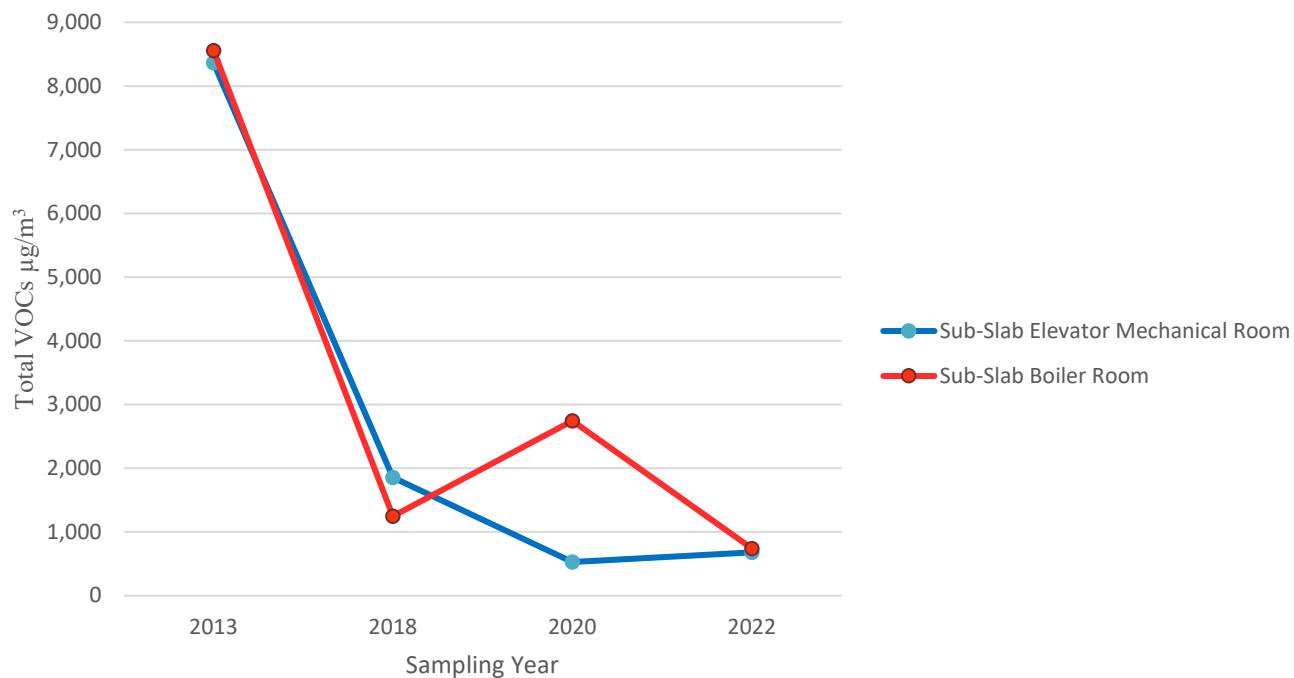
### **Section No. 7.1: Previous Analytical Results Trend Analysis**

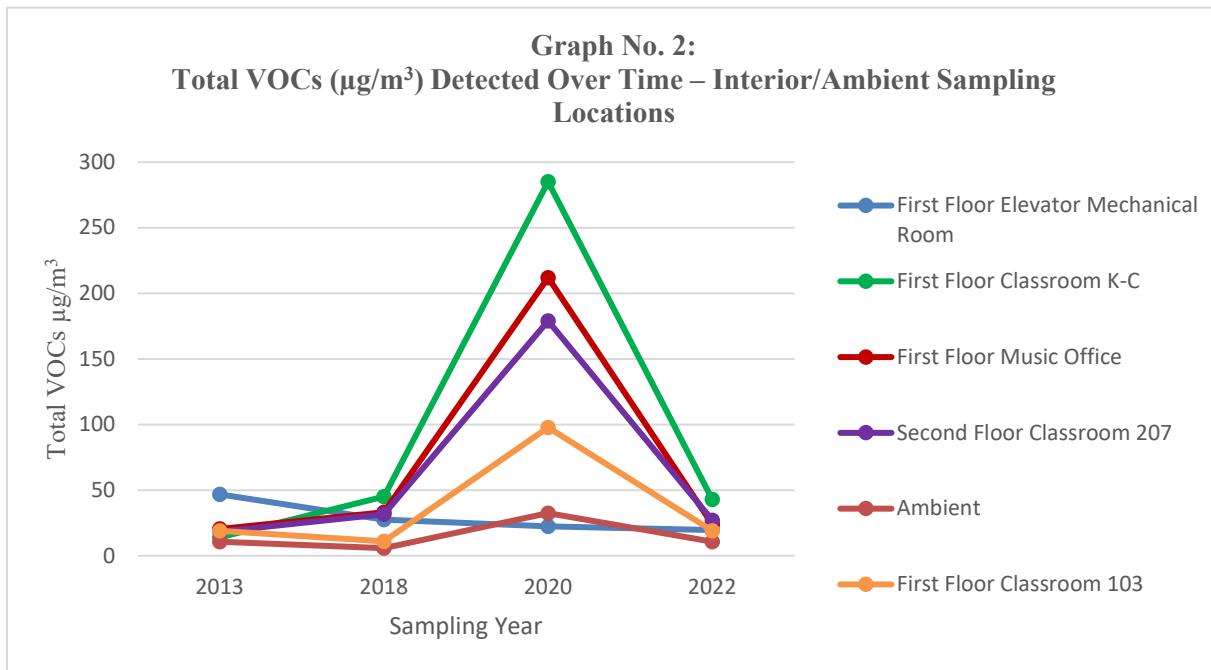
JCB performed the same volatile vapor intrusion sampling in 2013, 2018, and 2020. The 2022 analytical results for total VOCs were compared to the previous sampling results and are presented in Table No. 3.

Table No. 3: Total VOCs ( $\mu\text{g}/\text{m}^3$ ) Detected Over Time					
Sample Number	Location	Year			
		2013	2018	2020	2022
SS-1	Sub-Slab Elevator Mechanical Room	8,364	1,854	528	681
FF-1	First Floor Elevator Mechanical Room	46.8	27.5	22.5	19.6
FF-2	First Floor Classroom K-C	14	45	285	42.9
FF-3	First Floor Classroom 103	18.9	11	97.8	19.1
FF-4	First Floor Music Office	20.4	33.2	212	24.0
FF-5	Second Floor Classroom 207	18.4	31.6	179	27.1
SS-2	Sub-Slab Boiler Room	8,558	1,247	2,745	741.8
FF-6	First Floor Boiler Room	25	9.4	63.2	22.8
Ambient	Ambient	10.6	5.8	32.5	10.8

In general, the concentration of total VOCs in the sub-slab samples have exhibited an overall decrease from 2020, with only a slight increase from 2020 in the Sub-Slab Boiler Room sample, as indicated in Graph No. 1 below. The interior spaces did indicate a downward trend in total detected VOC concentration since 2020 as indicated in Graph No. 2.

**Graph No. 1:**  
**Total VOCs ( $\mu\text{g}/\text{m}^3$ ) Detected Over Time – Subsurface Sample Locations**





### **Section No. 8.0: Conclusions**

A careful evaluation of the indoor air sampling results compared to the sub-slab and ambient results did reveal the presence of a discernible pattern suggesting that the building could be impacted with VVI. However, it appears that the building concrete slab continues to be effective in preventing the subsurface volatile vapors from migrating into the occupied portions of the school building.

### **Section No. 9.0: Recommendations**

It is recommended that periodic VVI sampling be performed to continue to monitor site conditions.

### **Section No. 10.0: Certification**

I certify that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the New York State Department of Health (NYSDOH) "Guidance for Evaluating Soil Vapor Intrusion in the State of New York", Final Version, October 2006 and that all activities were performed in full accordance with the work plan.

Sincerely,  
**J.C. Broderick & Associates, Inc.**

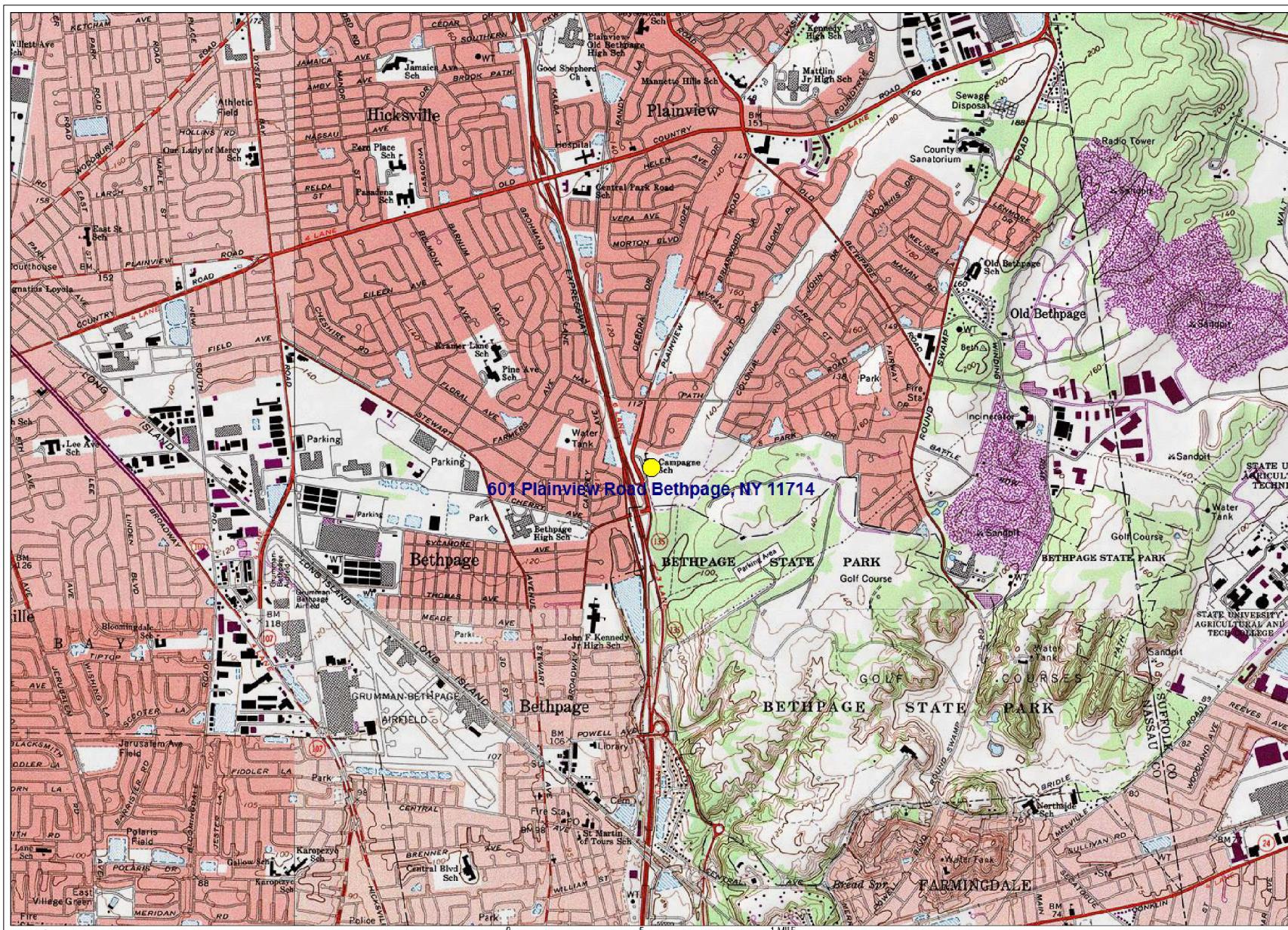
Jeffrey V. Nannini  
Environmental Scientist

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## **Appendix A**

## **Figures**



**JCB LEGEND**  
■ SUBJECT SITE



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Drawing Title

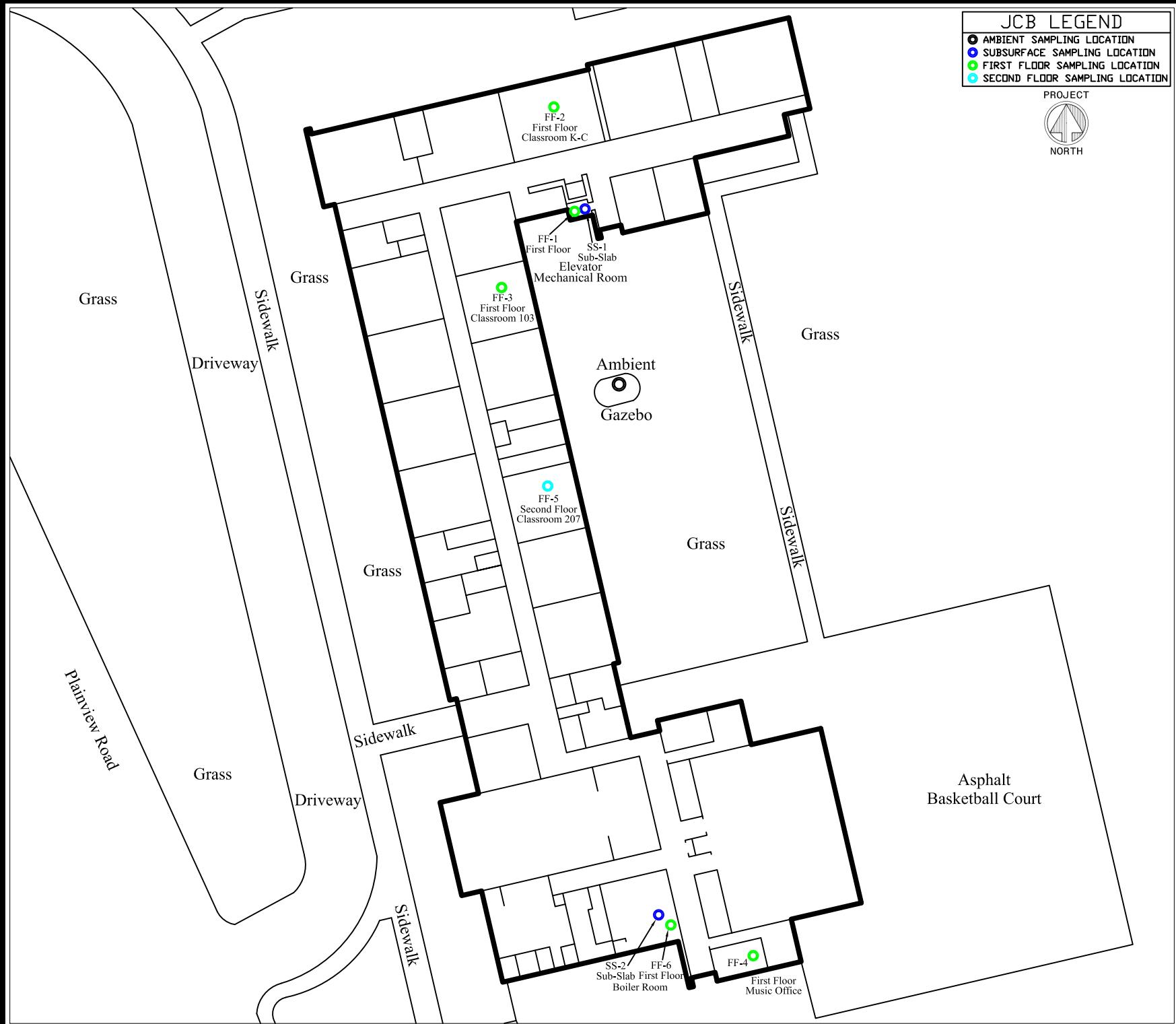
Figure No. 1

Site Location Map

Scale Project No. Date  
As Noted 22-51657 04-22-2022

Drawn By Checked By Page No.  
J.V.N. S.W.M. 1 of 2

Drawing No.



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**Notes:**

Charles Campagne  
Elementary School  
601 Plainview Road  
Bethpage, NY 11714

**Drawing Title**

Figure No. 2

Sub-Slab,  
1st Floor  
and  
2nd Floor  
Sampling  
Locations

Scale N.T.S.	Project No. 22-51657	Date 04-22-2022
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Drawn By J.V.N.	Checked By S.W.M.	Page No. 2 of 2
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**Drawing No.**

2

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## **Appendix B**

## **Field Photograph Logs**

**Sampling Locations**  
**FF-1 Mechanical Room & SS-1 Mechanical Room Sub-Slab**



**Field Photograph Log**

**Volatile Vapor Intrusion Report**

**Charles Campagne Elementary School  
601 Plainview Road  
Bethpage, New York 11714**



**Photo No. 01**

**JCB#: 22-51657**

**Sampling Locations**  
**SS-2 Boiler Room Sub-Slab & FF-6 Boiler Room**



**Field Photograph Log**

**Volatile Vapor Intrusion Report**

**Charles Campagne Elementary School  
601 Plainview Road  
Bethpage, New York 11714**



**Photo No. 02**

**JCB#: 22-51657**

**Sampling Location  
FF-2 Classroom K-C**



**Field Photograph Log**

**Volatile Vapor Intrusion Report**

**Charles Campagne Elementary School  
601 Plainview Road  
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**Photo No. 03**

**JCB#: 22-51657**

**Sampling Location  
FF-3 Classroom 103**



**Field Photograph Log**

**Volatile Vapor Intrusion Report**

**Charles Campagne Elementary School  
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**Photo No. 04**

**JCB#: 22-51657**

**Sampling Location  
FF-4 Music Office**



**Field Photograph Log**

**Volatile Vapor Intrusion Report**

**Charles Campagne Elementary School  
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**Photo No. 05**

**JCB#: 22-51657**

**Sampling Location  
FF-5 Classroom 207**



**Field Photograph Log**

**Volatile Vapor Intrusion Report**

**Charles Campagne Elementary School  
601 Plainview Road  
Bethpage, New York 11714**

**Photo No. 06**

**JCB#: 22-51657**

## Ambient Sample Location



## Field Photograph Log

Volatile Vapor Intrusion Report

Charles Campagne Elementary School  
601 Plainview Road  
Bethpage, New York 11714



Photo No. 07

JCB#: 22-51657

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## **Appendix C**

# **Laboratory Analysis Report**



# Technical Report

prepared for:

**J.C. Broderick**  
1775 North Express Drive  
Hauppauge NY, 11788  
**Attention: Steven Muller**

Report Date: 05/03/2022

**Client Project ID: 22-51657 Campagne E.S.**  
York Project (SDG) No.: 22D1052

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371

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

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 05/03/2022  
Client Project ID: 22-51657 Campagne E.S.  
York Project (SDG) No.: 22D1052

**J.C. Broderick**  
1775 North Express Drive  
Hauppauge NY, 11788  
Attention: Steven Muller

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## 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 22, 2022 and listed below. The project was identified as your project: **22-51657 Campagne E.S.**.

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>
22D1052-01	Ambient	Outdoor Ambient Air	04/20/2022	04/22/2022
22D1052-02	Mechanical Room Sub-Slab	Soil Vapor	04/20/2022	04/22/2022
22D1052-03	Mechanical Room First Floor	Indoor Ambient Air	04/20/2022	04/22/2022
22D1052-04	Classroom K-C First Floor	Indoor Ambient Air	04/20/2022	04/22/2022
22D1052-05	Classroom 103 First Floor	Indoor Ambient Air	04/20/2022	04/22/2022
22D1052-06	Music First Floor	Indoor Ambient Air	04/20/2022	04/22/2022
22D1052-07	Classroom 207 Second Floor	Indoor Ambient Air	04/20/2022	04/22/2022
22D1052-08	Boiler Room Sub-Slab	Soil Vapor	04/20/2022	04/22/2022
22D1052-09	Boiler Room First Floor	Indoor Ambient Air	04/20/2022	04/22/2022

## **General Notes for York Project (SDG) No.: 22D1052**

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

**Approved By:** 

**Date:** 05/03/2022

Cassie L. Mosher  
Laboratory Manager





## Sample Information

**Client Sample ID:** Ambient

**York Sample ID:** 22D1052-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Outdoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	<u>Log-in Notes:</u>	<u>Sample Notes:</u>	Date/Time Prepared	Date/Time Analyzed	Analyst
								Certifications:				
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ppbv	0.092	0.923	EPA TO-15 Certifications:		04/30/2022 23:56	05/01/2022 16:15	LLJ	
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.092	0.923	EPA TO-15 Certifications:	NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ	
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.092	0.923	EPA TO-15 Certifications:	NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ppbv	0.092	0.923	EPA TO-15 Certifications:	NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ	
79-00-5	1,1,2-Trichloroethane	ND		ppbv	0.092	0.923	EPA TO-15 Certifications:	NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ	
75-34-3	1,1-Dichloroethane	ND		ppbv	0.092	0.923	EPA TO-15 Certifications:	NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ	
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.023	0.923	EPA TO-15 Certifications:	NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ	
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.092	0.923	EPA TO-15 Certifications:	NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ	
95-63-6	1,2,4-Trimethylbenzene	ND		ppbv	0.092	0.923	EPA TO-15 Certifications:	NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ	
106-93-4	1,2-Dibromoethane	ND		ppbv	0.092	0.923	EPA TO-15 Certifications:	NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ	
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.092	0.923	EPA TO-15 Certifications:	NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ	
107-06-2	1,2-Dichloroethane	ND		ppbv	0.092	0.923	EPA TO-15 Certifications:	NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ	
78-87-5	1,2-Dichloropropane	ND		ppbv	0.092	0.923	EPA TO-15 Certifications:	NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ	
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ppbv	0.092	0.923	EPA TO-15 Certifications:	NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ	
108-67-8	1,3,5-Trimethylbenzene	ND		ppbv	0.092	0.923	EPA TO-15 Certifications:	NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ	
106-99-0	1,3-Butadiene	ND		ppbv	0.28	0.923	EPA TO-15 Certifications:	NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ	
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.092	0.923	EPA TO-15 Certifications:	NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ	
142-28-9	* 1,3-Dichloropropane	ND		ppbv	0.092	0.923	EPA TO-15 Certifications:		04/30/2022 23:56	05/01/2022 16:15	LLJ	



## Sample Information

Client Sample ID: Ambient

York Sample ID: 22D1052-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Outdoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
123-91-1	1,4-Dioxane	ND		ppbv	0.18	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
78-93-3	<b>2-Butanone</b>	<b>0.12</b>		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
591-78-6	* 2-Hexanone	ND		ppbv	0.18	0.923	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 16:15	LLJ
107-05-1	3-Chloropropene	ND		ppbv	0.46	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
67-64-1	<b>Acetone</b>	<b>1.0</b>		ppbv	0.18	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
107-13-1	Acrylonitrile	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
71-43-2	Benzene	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
100-44-7	Benzyl chloride	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
75-27-4	Bromodichloromethane	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
75-25-2	Bromoform	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
74-83-9	Bromomethane	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
75-15-0	Carbon disulfide	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
56-23-5	<b>Carbon tetrachloride</b>	<b>0.065</b>		ppbv	0.023	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
108-90-7	Chlorobenzene	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
75-00-3	Chloroethane	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
67-66-3	Chloroform	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
74-87-3	<b>Chloromethane</b>	<b>0.55</b>		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ



## Sample Information

Client Sample ID: Ambient

York Sample ID: 22D1052-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1052	22-51657 Campagne E.S.	Outdoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

#### Log-in Notes:

#### Sample Notes:

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	ND		ppbv	0.023	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
110-82-7	Cyclohexane	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
124-48-1	Dibromochloromethane	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
75-71-8	<b>Dichlorodifluoromethane</b>	<b>0.53</b>		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
141-78-6	* Ethyl acetate	ND		ppbv	0.18	0.923	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 16:15	LLJ
100-41-4	Ethyl Benzene	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
87-68-3	Hexachlorobutadiene	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
67-63-0	<b>Isopropanol</b>	<b>0.65</b>	B	ppbv	0.46	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
80-62-6	Methyl Methacrylate	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
75-09-2	<b>Methylene chloride</b>	<b>0.18</b>		ppbv	0.18	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
142-82-5	n-Heptane	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
110-54-3	n-Hexane	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
95-47-6	o-Xylene	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
179601-23-1	p- & m- Xylenes	ND		ppbv	0.18	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
622-96-8	* p-Ethyltoluene	ND		ppbv	0.092	0.923	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 16:15	LLJ
115-07-1	* Propylene	ND		ppbv	0.092	0.923	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 16:15	LLJ
100-42-5	Styrene	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ



## Sample Information

<u>Client Sample ID:</u> Ambient		<u>York Sample ID:</u> <b>22D1052-01</b>
<u>York Project (SDG) No.</u> 22D1052	<u>Client Project ID</u> 22-51657 Campagne E.S.	<u>Matrix</u> Outdoor Ambient Air <u>Collection Date/Time</u> April 20, 2022 3:00 pm <u>Date Received</u> 04/22/2022

### Volatile Organics, EPA TO15 Full List

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
127-18-4	Tetrachloroethylene	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
109-99-9	* Tetrahydrofuran	ND		ppbv	0.18	0.923	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 16:15	LLJ
108-88-3	<b>Toluene</b>	<b>0.10</b>		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
79-01-6	Trichloroethylene	ND		ppbv	0.023	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	<b>0.24</b>		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
108-05-4	Vinyl acetate	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
593-60-2	Vinyl bromide	ND		ppbv	0.092	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ
75-01-4	Vinyl Chloride	ND		ppbv	0.046	0.923	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 16:15	LLJ

## Sample Information

<u>Client Sample ID:</u> Mechanical Room Sub-Slab		<u>York Sample ID:</u> <b>22D1052-02</b>
<u>York Project (SDG) No.</u> 22D1052	<u>Client Project ID</u> 22-51657 Campagne E.S.	<u>Matrix</u> Soil Vapor <u>Collection Date/Time</u> April 20, 2022 3:00 pm <u>Date Received</u> 04/22/2022

### Volatile Organics, EPA TO15 Full List

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		ppbv	0.18	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ



## Sample Information

Client Sample ID: Mechanical Room Sub-Slab

York Sample ID: 22D1052-02

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Soil Vapor	April 20, 2022 3:00 pm	04/22/2022

### 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		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
75-34-3	1,1-Dichloroethane	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.045	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>2.8</b>		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
106-93-4	1,2-Dibromoethane	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
107-06-2	1,2-Dichloroethane	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
78-87-5	1,2-Dichloropropane	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
76-14-2	1,2-Dichlortetrafluoroethane	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>0.66</b>		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
106-99-0	1,3-Butadiene	ND		ppbv	0.54	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ppbv	0.18	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
123-91-1	1,4-Dioxane	ND		ppbv	0.36	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
78-93-3	<b>2-Butanone</b>	<b>85</b>		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
591-78-6	* 2-Hexanone	ND		ppbv	0.36	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ



## Sample Information

**Client Sample ID:** Mechanical Room Sub-Slab

**York Sample ID:** 22D1052-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1052	22-51657 Campagne E.S.	Soil Vapor	April 20, 2022 3:00 pm	04/22/2022

### 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		ppbv	0.90	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
108-10-1	<b>4-Methyl-2-pentanone</b>	<b>0.18</b>		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
67-64-1	<b>Acetone</b>	<b>56</b>		ppbv	0.36	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
107-13-1	Acrylonitrile	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
71-43-2	<b>Benzene</b>	<b>0.68</b>		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
100-44-7	Benzyl chloride	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
75-27-4	Bromodichloromethane	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
75-25-2	Bromoform	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
74-83-9	Bromomethane	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
75-15-0	<b>Carbon disulfide</b>	<b>1.0</b>		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
56-23-5	<b>Carbon tetrachloride</b>	<b>0.054</b>		ppbv	0.045	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
108-90-7	Chlorobenzene	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
75-00-3	Chloroethane	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
67-66-3	Chloroform	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
74-87-3	<b>Chloromethane</b>	<b>0.20</b>		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ppbv	0.045	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
110-82-7	<b>Cyclohexane</b>	<b>0.75</b>		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
124-48-1	Dibromochloromethane	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
75-71-8	<b>Dichlorodifluoromethane</b>	<b>0.52</b>		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ



## Sample Information

**Client Sample ID:** Mechanical Room Sub-Slab

**York Sample ID:** 22D1052-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1052	22-51657 Campagne E.S.	Soil Vapor	April 20, 2022 3:00 pm	04/22/2022

### 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	1.4		ppbv	0.36	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
100-41-4	Ethyl Benzene	0.72		ppbv	0.18	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
87-68-3	Hexachlorobutadiene	ND		ppbv	0.18	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
67-63-0	Isopropanol	4.5	B	ppbv	0.90	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
80-62-6	Methyl Methacrylate	ND		ppbv	0.18	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ppbv	0.18	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
75-09-2	Methylene chloride	0.77		ppbv	0.36	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
142-82-5	n-Heptane	0.52		ppbv	0.18	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
110-54-3	n-Hexane	2.6		ppbv	0.18	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
95-47-6	o-Xylene	1.2		ppbv	0.18	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
179601-23-1	p- & m- Xylenes	2.6		ppbv	0.36	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
622-96-8	* p-Ethyltoluene	2.0		ppbv	0.18	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
115-07-1	* Propylene	ND		ppbv	0.18	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
100-42-5	Styrene	ND		ppbv	0.18	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
127-18-4	Tetrachloroethylene	ND		ppbv	0.18	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
109-99-9	* Tetrahydrofuran	0.68		ppbv	0.36	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
108-88-3	Toluene	53		ppbv	0.18	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.18	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.18	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ
79-01-6	Trichloroethylene	ND		ppbv	0.045	1.791	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 17:17	LLJ



## Sample Information

Client Sample ID: Mechanical Room Sub-Slab

York Sample ID: 22D1052-02

York Project (SDG) No.

22D1052

Client Project ID

22-51657 Campagne E.S.

Matrix

Soil Vapor

Collection Date/Time

April 20, 2022 3:00 pm

Date Received

04/22/2022

### Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane (Freon 11)	0.90		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
108-05-4	Vinyl acetate	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
593-60-2	Vinyl bromide	ND		ppbv	0.18	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ
75-01-4	Vinyl Chloride	ND		ppbv	0.090	1.791	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 17:17	LLJ

### Helium

Sample Prepared by Method: PREP for GASES by GC

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-59-7	* Helium	ND		%	0.50	1	GC/TCD Certifications:	05/02/2022 10:49	05/02/2022 17:59	TMP

## Sample Information

Client Sample ID: Mechanical Room First Floor

York Sample ID: 22D1052-03

York Project (SDG) No.

22D1052

Client Project ID

22-51657 Campagne E.S.

Matrix

Indoor Ambient Air

Collection Date/Time

April 20, 2022 3:00 pm

Date Received

04/22/2022

### Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

#### Log-in Notes:

#### Sample Notes:

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		ppbv	0.085	0.846	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 18:27	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.085		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ



## Sample Information

Client Sample ID: Mechanical Room First Floor

York Sample ID: 22D1052-03

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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
75-34-3	1,1-Dichloroethane	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.021	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
106-93-4	1,2-Dibromoethane	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
107-06-2	1,2-Dichloroethane	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
78-87-5	1,2-Dichloropropane	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
106-99-0	1,3-Butadiene	ND		ppbv	0.25	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ppbv	0.085	0.846	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 18:27	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
123-91-1	1,4-Dioxane	ND		ppbv	0.17	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
78-93-3	<b>2-Butanone</b>	<b>0.30</b>		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
591-78-6	* 2-Hexanone	ND		ppbv	0.17	0.846	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 18:27	LLJ
107-05-1	3-Chloropropene	ND		ppbv	0.42	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ



## Sample Information

**Client Sample ID:** Mechanical Room First Floor

**York Sample ID:** 22D1052-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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
67-64-1	<b>Acetone</b>	<b>2.5</b>		ppbv	0.17	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
107-13-1	Acrylonitrile	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
71-43-2	<b>Benzene</b>	<b>0.11</b>		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
100-44-7	Benzyl chloride	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
75-27-4	Bromodichloromethane	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
75-25-2	Bromoform	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
74-83-9	Bromomethane	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
75-15-0	Carbon disulfide	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
56-23-5	<b>Carbon tetrachloride</b>	<b>0.059</b>		ppbv	0.021	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
108-90-7	Chlorobenzene	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
75-00-3	Chloroethane	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
67-66-3	Chloroform	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
74-87-3	<b>Chloromethane</b>	<b>0.52</b>		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ppbv	0.021	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
110-82-7	Cyclohexane	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
124-48-1	Dibromochloromethane	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
75-71-8	<b>Dichlorodifluoromethane</b>	<b>0.51</b>		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
141-78-6	* Ethyl acetate	ND		ppbv	0.17	0.846	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 18:27	LLJ



## Sample Information

Client Sample ID: Mechanical Room First Floor

York Sample ID: 22D1052-03

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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
100-41-4	Ethyl Benzene	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
87-68-3	Hexachlorobutadiene	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
67-63-0	<b>Isopropanol</b>	<b>0.74</b>	B	ppbv	0.42	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
80-62-6	Methyl Methacrylate	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
75-09-2	<b>Methylene chloride</b>	<b>0.46</b>		ppbv	0.17	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
142-82-5	n-Heptane	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
110-54-3	n-Hexane	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
95-47-6	o-Xylene	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
179601-23-1	p- & m- Xylenes	ND		ppbv	0.17	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
622-96-8	* p-Ethyltoluene	ND		ppbv	0.085	0.846	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 18:27	LLJ
115-07-1	* Propylene	ND		ppbv	0.085	0.846	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 18:27	LLJ
100-42-5	Styrene	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
127-18-4	Tetrachloroethylene	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
109-99-9	* Tetrahydrofuran	<b>0.18</b>		ppbv	0.17	0.846	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 18:27	LLJ
108-88-3	Toluene	<b>0.18</b>		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
79-01-6	Trichloroethylene	ND		ppbv	0.021	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ



## Sample Information

Client Sample ID: Mechanical Room First Floor

York Sample ID: 22D1052-03

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane (Freon 11)	0.24		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
108-05-4	Vinyl acetate	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
593-60-2	Vinyl bromide	ND		ppbv	0.085	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ
75-01-4	Vinyl Chloride	ND		ppbv	0.042	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 18:27	LLJ

## Sample Information

Client Sample ID: Classroom K-C First Floor

York Sample ID: 22D1052-04

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

#### Log-in Notes:

#### Sample Notes:

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		ppbv	0.084	0.84	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 19:36	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.084		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
75-34-3	1,1-Dichloroethane	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.021	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ



## Sample Information

**Client Sample ID:** Classroom K-C First Floor

**York Sample ID:** 22D1052-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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
106-93-4	1,2-Dibromoethane	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
107-06-2	1,2-Dichloroethane	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
78-87-5	1,2-Dichloropropane	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
106-99-0	1,3-Butadiene	ND		ppbv	0.25	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ppbv	0.084	0.84	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 19:36	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
123-91-1	1,4-Dioxane	ND		ppbv	0.17	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
78-93-3	<b>2-Butanone</b>	<b>0.38</b>		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
591-78-6	* 2-Hexanone	ND		ppbv	0.17	0.84	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 19:36	LLJ
107-05-1	3-Chloropropene	ND		ppbv	0.42	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
67-64-1	<b>Acetone</b>	<b>8.2</b>		ppbv	0.17	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
107-13-1	Acrylonitrile	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
71-43-2	<b>Benzene</b>	<b>0.092</b>		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
100-44-7	Benzyl chloride	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ



## Sample Information

Client Sample ID: Classroom K-C First Floor

York Sample ID: 22D1052-04

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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
75-27-4	Bromodichloromethane	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
75-25-2	Bromoform	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
74-83-9	Bromomethane	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
75-15-0	Carbon disulfide	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
56-23-5	<b>Carbon tetrachloride</b>	<b>0.067</b>		ppbv	0.021	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
108-90-7	Chlorobenzene	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
75-00-3	Chloroethane	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
67-66-3	Chloroform	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
74-87-3	<b>Chloromethane</b>	<b>0.53</b>		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ppbv	0.021	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
110-82-7	Cyclohexane	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
124-48-1	Dibromochloromethane	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
75-71-8	<b>Dichlorodifluoromethane</b>	<b>0.53</b>		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
141-78-6	* Ethyl acetate	ND		ppbv	0.17	0.84	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 19:36	LLJ
100-41-4	Ethyl Benzene	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
87-68-3	Hexachlorobutadiene	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
67-63-0	<b>Isopropanol</b>	<b>3.7</b>	B	ppbv	0.42	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
80-62-6	<b>Methyl Methacrylate</b>	<b>0.092</b>		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ



## Sample Information

Client Sample ID: Classroom K-C First Floor

York Sample ID: 22D1052-04

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
75-09-2	<b>Methylene chloride</b>	<b>1.3</b>		ppbv	0.17	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
142-82-5	n-Heptane	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
110-54-3	n-Hexane	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
95-47-6	o-Xylene	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
179601-23-1	p- & m- Xylenes	ND		ppbv	0.17	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
622-96-8	* p-Ethyltoluene	ND		ppbv	0.084	0.84	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 19:36	LLJ
115-07-1	<b>* Propylene</b>	<b>0.13</b>		ppbv	0.084	0.84	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 19:36	LLJ
100-42-5	Styrene	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
127-18-4	Tetrachloroethylene	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
109-99-9	* Tetrahydrofuran	ND		ppbv	0.17	0.84	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 19:36	LLJ
108-88-3	<b>Toluene</b>	<b>0.10</b>		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
79-01-6	Trichloroethylene	ND		ppbv	0.021	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>0.25</b>		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
108-05-4	Vinyl acetate	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
593-60-2	Vinyl bromide	ND		ppbv	0.084	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ
75-01-4	Vinyl Chloride	ND		ppbv	0.042	0.84	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 19:36	LLJ



## Sample Information

Client Sample ID: Classroom 103 First Floor

York Sample ID: 22D1052-05

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
75-34-3	1,1-Dichloroethane	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.023	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
106-93-4	1,2-Dibromoethane	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
107-06-2	1,2-Dichloroethane	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
78-87-5	1,2-Dichloropropane	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
106-99-0	1,3-Butadiene	ND		ppbv	0.28	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ



## Sample Information

Client Sample ID: Classroom 103 First Floor

York Sample ID: 22D1052-05

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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
123-91-1	1,4-Dioxane	ND		ppbv	0.18	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
78-93-3	<b>2-Butanone</b>	<b>0.33</b>		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
591-78-6	* 2-Hexanone	ND		ppbv	0.18	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
107-05-1	3-Chloropropene	ND		ppbv	0.46	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
67-64-1	<b>Acetone</b>	<b>2.3</b>		ppbv	0.18	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
107-13-1	Acrylonitrile	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
71-43-2	<b>Benzene</b>	<b>0.13</b>		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
100-44-7	Benzyl chloride	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
75-27-4	Bromodichloromethane	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
75-25-2	Bromoform	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
74-83-9	Bromomethane	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
75-15-0	Carbon disulfide	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
56-23-5	<b>Carbon tetrachloride</b>	<b>0.065</b>		ppbv	0.023	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
108-90-7	Chlorobenzene	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
75-00-3	Chloroethane	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
67-66-3	Chloroform	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
74-87-3	<b>Chloromethane</b>	<b>0.52</b>		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ppbv	0.023	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ



## Sample Information

Client Sample ID: Classroom 103 First Floor

York Sample ID: 22D1052-05

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
110-82-7	Cyclohexane	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
124-48-1	Dibromochloromethane	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
75-71-8	<b>Dichlorodifluoromethane</b>	<b>0.50</b>		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
141-78-6	* Ethyl acetate	ND		ppbv	0.18	0.924	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 20:46	LLJ
100-41-4	Ethyl Benzene	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
87-68-3	Hexachlorobutadiene	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
67-63-0	<b>Isopropanol</b>	<b>0.85</b>	B	ppbv	0.46	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
80-62-6	Methyl Methacrylate	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
75-09-2	<b>Methylene chloride</b>	<b>0.23</b>		ppbv	0.18	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
142-82-5	n-Heptane	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
110-54-3	n-Hexane	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
95-47-6	o-Xylene	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
179601-23-1	p- & m- Xylenes	ND		ppbv	0.18	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
622-96-8	* p-Ethyltoluene	ND		ppbv	0.092	0.924	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 20:46	LLJ
115-07-1	* Propylene	ND		ppbv	0.092	0.924	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 20:46	LLJ
100-42-5	Styrene	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
127-18-4	<b>Tetrachloroethylene</b>	<b>0.32</b>		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ



## Sample Information

Client Sample ID: Classroom 103 First Floor

York Sample ID: 22D1052-05

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### Volatile Organics, EPA TO15 Full List

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
109-99-9	* Tetrahydrofuran	ND		ppbv	0.18	0.924	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 20:46	LLJ
108-88-3	Toluene	<b>0.18</b>		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
79-01-6	Trichloroethylene	ND		ppbv	0.023	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	<b>0.25</b>		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
108-05-4	Vinyl acetate	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
593-60-2	Vinyl bromide	ND		ppbv	0.092	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ
75-01-4	Vinyl Chloride	ND		ppbv	0.046	0.924	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 20:46	LLJ

## Sample Information

Client Sample ID: Music First Floor

York Sample ID: 22D1052-06

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### Volatile Organics, EPA TO15 Full List

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		ppbv	0.15	1.523	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 21:55	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ



## Sample Information

Client Sample ID: Music First Floor

York Sample ID: 22D1052-06

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
75-34-3	1,1-Dichloroethane	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.038	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
106-93-4	1,2-Dibromoethane	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
107-06-2	1,2-Dichloroethane	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
78-87-5	1,2-Dichloropropane	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
76-14-2	1,2-Dichlortetrafluoroethane	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
106-99-0	1,3-Butadiene	ND		ppbv	0.46	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ppbv	0.15	1.523	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 21:55	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
123-91-1	1,4-Dioxane	ND		ppbv	0.30	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
78-93-3	<b>2-Butanone</b>	<b>0.27</b>		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
591-78-6	* 2-Hexanone	ND		ppbv	0.30	1.523	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 21:55	LLJ
107-05-1	3-Chloropropene	ND		ppbv	0.76	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ



## Sample Information

Client Sample ID: Music First Floor

York Sample ID: 22D1052-06

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
67-64-1	<b>Acetone</b>	<b>3.6</b>		ppbv	0.30	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
107-13-1	Acrylonitrile	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
71-43-2	Benzene	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
100-44-7	Benzyl chloride	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
75-27-4	Bromodichloromethane	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
75-25-2	Bromoform	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
74-83-9	Bromomethane	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
75-15-0	Carbon disulfide	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
56-23-5	<b>Carbon tetrachloride</b>	<b>0.061</b>		ppbv	0.038	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
108-90-7	Chlorobenzene	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
75-00-3	Chloroethane	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
67-66-3	Chloroform	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
74-87-3	<b>Chloromethane</b>	<b>0.55</b>		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ppbv	0.038	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
110-82-7	Cyclohexane	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
124-48-1	Dibromochloromethane	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
75-71-8	<b>Dichlorodifluoromethane</b>	<b>0.52</b>		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ



## Sample Information

Client Sample ID: Music First Floor

York Sample ID: 22D1052-06

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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		ppbv	0.30	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
100-41-4	Ethyl Benzene	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
87-68-3	Hexachlorobutadiene	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
67-63-0	<b>Isopropanol</b>	<b>1.3</b>	B	ppbv	0.76	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
80-62-6	Methyl Methacrylate	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
75-09-2	<b>Methylene chloride</b>	<b>1.1</b>		ppbv	0.30	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
142-82-5	n-Heptane	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
110-54-3	n-Hexane	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
95-47-6	o-Xylene	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
179601-23-1	p- & m- Xylenes	ND		ppbv	0.30	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
622-96-8	* p-Ethyltoluene	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
115-07-1	* Propylene	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
100-42-5	Styrene	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
127-18-4	Tetrachloroethylene	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
109-99-9	* Tetrahydrofuran	ND		ppbv	0.30	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
108-88-3	<b>Toluene</b>	<b>0.20</b>		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ



## Sample Information

Client Sample ID: Music First Floor

York Sample ID: 22D1052-06

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

#### Log-in Notes:

#### Sample Notes:

<u>CAS No.</u>	<u>Parameter</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>Reported to LOQ</u>	<u>Dilution</u>	<u>Reference Method</u>	<u>Date/Time Prepared</u>	<u>Date/Time Analyzed</u>	<u>Analyst</u>
79-01-6	Trichloroethylene	ND		ppbv	0.038	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>0.23</b>		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
108-05-4	Vinyl acetate	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
593-60-2	Vinyl bromide	ND		ppbv	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ
75-01-4	Vinyl Chloride	ND		ppbv	0.076	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 21:55	LLJ

## Sample Information

Client Sample ID: Classroom 207 Second Floor

York Sample ID: 22D1052-07

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### Volatile Organics, EPA TO15 Full List

Sample Prepared by Method: EPA TO15 PREP

#### Log-in Notes:

#### Sample Notes:

<u>CAS No.</u>	<u>Parameter</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>Reported to LOQ</u>	<u>Dilution</u>	<u>Reference Method</u>	<u>Date/Time Prepared</u>	<u>Date/Time Analyzed</u>	<u>Analyst</u>
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
75-34-3	1,1-Dichloroethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.023	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ



## Sample Information

Client Sample ID: Classroom 207 Second Floor

York Sample ID: 22D1052-07

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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
95-63-6	1,2,4-Trimethylbenzene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
106-93-4	1,2-Dibromoethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
107-06-2	1,2-Dichloroethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
78-87-5	1,2-Dichloropropane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
106-99-0	1,3-Butadiene	ND		ppbv	0.27	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 23:04	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
123-91-1	1,4-Dioxane	ND		ppbv	0.18	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
78-93-3	<b>2-Butanone</b>	<b>0.34</b>		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
591-78-6	* 2-Hexanone	ND		ppbv	0.18	0.905	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 23:04	LLJ
107-05-1	3-Chloropropene	ND		ppbv	0.45	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
67-64-1	<b>Acetone</b>	<b>2.9</b>		ppbv	0.18	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
107-13-1	Acrylonitrile	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
71-43-2	<b>Benzene</b>	<b>0.090</b>		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ



## Sample Information

Client Sample ID: Classroom 207 Second Floor

York Sample ID: 22D1052-07

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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
100-44-7	Benzyl chloride	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
75-27-4	Bromodichloromethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
75-25-2	Bromoform	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
74-83-9	Bromomethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
75-15-0	Carbon disulfide	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
56-23-5	<b>Carbon tetrachloride</b>	<b>0.063</b>		ppbv	0.023	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
108-90-7	Chlorobenzene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
75-00-3	Chloroethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
67-66-3	Chloroform	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
74-87-3	<b>Chloromethane</b>	<b>0.54</b>		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ppbv	0.023	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
110-82-7	Cyclohexane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
124-48-1	Dibromochloromethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
75-71-8	<b>Dichlorodifluoromethane</b>	<b>0.50</b>		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
141-78-6	* Ethyl acetate	ND		ppbv	0.18	0.905	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 23:04	LLJ
100-41-4	Ethyl Benzene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
87-68-3	Hexachlorobutadiene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
67-63-0	<b>Isopropanol</b>	<b>1.9</b>	B	ppbv	0.45	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ



## Sample Information

Client Sample ID: Classroom 207 Second Floor

York Sample ID: 22D1052-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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
80-62-6	Methyl Methacrylate	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
75-09-2	<b>Methylene chloride</b>	<b>0.19</b>		ppbv	0.18	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
142-82-5	n-Heptane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
110-54-3	n-Hexane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
95-47-6	o-Xylene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
179601-23-1	p- & m- Xylenes	ND		ppbv	0.18	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
622-96-8	* p-Ethyltoluene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 23:04	LLJ
115-07-1	* Propylene	<b>0.29</b>		ppbv	0.090	0.905	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 23:04	LLJ
100-42-5	Styrene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
127-18-4	Tetrachloroethylene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
109-99-9	* Tetrahydrofuran	ND		ppbv	0.18	0.905	EPA TO-15 Certifications:	04/30/2022 23:56	05/01/2022 23:04	LLJ
108-88-3	Toluene	<b>0.17</b>		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
79-01-6	Trichloroethylene	ND		ppbv	0.023	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	<b>0.24</b>		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
108-05-4	Vinyl acetate	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ
593-60-2	Vinyl bromide	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ



## Sample Information

Client Sample ID: Classroom 207 Second Floor

York Sample ID: 22D1052-07

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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		ppbv	0.045	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/30/2022 23:56	05/01/2022 23:04	LLJ

## Sample Information

Client Sample ID: Boiler Room Sub-Slab

York Sample ID: 22D1052-08

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
22D1052	22-51657 Campagne E.S.	Soil Vapor	April 20, 2022 3:00 pm	04/22/2022

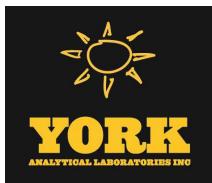
### Volatile Organics, EPA TO15 Full List

#### 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		ppbv	0.30	2.972	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 06:00	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
75-34-3	<b>1,1-Dichloroethane</b>	<b>0.30</b>		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.074	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>0.62</b>		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
106-93-4	1,2-Dibromoethane	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
107-06-2	1,2-Dichloroethane	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ



## Sample Information

**Client Sample ID:** Boiler Room Sub-Slab

**York Sample ID:** 22D1052-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1052	22-51657 Campagne E.S.	Soil Vapor	April 20, 2022 3:00 pm	04/22/2022

### 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
78-87-5	1,2-Dichloropropane	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
106-99-0	1,3-Butadiene	ND		ppbv	0.89	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ppbv	0.30	2.972	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 06:00	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
123-91-1	1,4-Dioxane	ND		ppbv	0.59	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
78-93-3	<b>2-Butanone</b>	<b>97</b>		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
591-78-6	* 2-Hexanone	ND		ppbv	0.59	2.972	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 06:00	LLJ
107-05-1	3-Chloropropene	ND		ppbv	1.5	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
67-64-1	<b>Acetone</b>	<b>76</b>		ppbv	0.59	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
107-13-1	Acrylonitrile	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
71-43-2	<b>Benzene</b>	<b>0.59</b>		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
100-44-7	Benzyl chloride	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
75-27-4	Bromodichloromethane	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
75-25-2	Bromoform	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
74-83-9	Bromomethane	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ



## Sample Information

<b>Client Sample ID:</b>	<b>Boiler Room Sub-Slab</b>	<b>York Sample ID:</b>	<b>22D1052-08</b>
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>
22D1052	22-51657 Campagne E.S.	Soil Vapor	April 20, 2022 3:00 pm
			Date Received 04/22/2022

### 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
75-15-0	<b>Carbon disulfide</b>	<b>0.59</b>		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
56-23-5	Carbon tetrachloride	ND		ppbv	0.074	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
108-90-7	Chlorobenzene	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
75-00-3	Chloroethane	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
67-66-3	Chloroform	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
74-87-3	<b>Chloromethane</b>	<b>0.48</b>		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ppbv	0.074	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
110-82-7	<b>Cyclohexane</b>	<b>0.48</b>		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
124-48-1	Dibromochloromethane	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
75-71-8	<b>Dichlorodifluoromethane</b>	<b>0.56</b>		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
141-78-6	* Ethyl acetate	ND		ppbv	0.59	2.972	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 06:00	LLJ
100-41-4	<b>Ethyl Benzene</b>	<b>0.53</b>		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
87-68-3	Hexachlorobutadiene	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
67-63-0	<b>Isopropanol</b>	<b>5.7</b>	B	ppbv	1.5	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
80-62-6	Methyl Methacrylate	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
75-09-2	<b>Methylene chloride</b>	<b>0.62</b>		ppbv	0.59	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
142-82-5	<b>n-Heptane</b>	<b>0.36</b>		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
110-54-3	<b>n-Hexane</b>	<b>2.5</b>		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ



## Sample Information

<b>Client Sample ID:</b> Boiler Room Sub-Slab		<b>York Sample ID:</b> 22D1052-08
<u>York Project (SDG) No.</u> 22D1052	<u>Client Project ID</u> 22-51657 Campagne E.S.	<u>Matrix</u> Soil Vapor <u>Collection Date/Time</u> April 20, 2022 3:00 pm <u>Date Received</u> 04/22/2022

### Volatile Organics, EPA TO15 Full List

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	<b>o-Xylene</b>	<b>0.51</b>		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>1.3</b>		ppbv	0.59	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
622-96-8	<b>* p-Ethyltoluene</b>	<b>0.53</b>		ppbv	0.30	2.972	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 06:00	LLJ
115-07-1	<b>* Propylene</b>	<b>14</b>		ppbv	0.30	2.972	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 06:00	LLJ
100-42-5	Styrene	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
127-18-4	Tetrachloroethylene	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
109-99-9	* Tetrahydrofuran	ND		ppbv	0.59	2.972	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 06:00	LLJ
108-88-3	<b>Toluene</b>	<b>50</b>		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
79-01-6	Trichloroethylene	ND		ppbv	0.074	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>0.30</b>		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
108-05-4	Vinyl acetate	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
593-60-2	Vinyl bromide	ND		ppbv	0.30	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ
75-01-4	Vinyl Chloride	ND		ppbv	0.15	2.972	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 06:00	LLJ

### Helium

Sample Prepared by Method: PREP for GASES by GC

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-59-7	* Helium	ND		%	0.50	1	GC/TCD Certifications:	05/02/2022 10:49	05/02/2022 17:59	TMP



## Sample Information

**Client Sample ID:** Boiler Room First Floor

**York Sample ID:** 22D1052-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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		ppbv	0.090	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
75-34-3	1,1-Dichloroethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.023	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
106-93-4	1,2-Dibromoethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
107-06-2	1,2-Dichloroethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
78-87-5	1,2-Dichloropropane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
106-99-0	1,3-Butadiene	ND		ppbv	0.27	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ



## Sample Information

**Client Sample ID:** Boiler Room First Floor

**York Sample ID:** 22D1052-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
123-91-1	1,4-Dioxane	ND		ppbv	0.18	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
78-93-3	<b>2-Butanone</b>	<b>0.25</b>		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
591-78-6	* 2-Hexanone	ND		ppbv	0.18	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
107-05-1	3-Chloropropene	ND		ppbv	0.45	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
67-64-1	<b>Acetone</b>	<b>1.5</b>		ppbv	0.18	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
107-13-1	Acrylonitrile	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
71-43-2	<b>Benzene</b>	<b>0.12</b>		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
100-44-7	Benzyl chloride	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
75-27-4	Bromodichloromethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
75-25-2	Bromoform	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
74-83-9	Bromomethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
75-15-0	Carbon disulfide	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
56-23-5	<b>Carbon tetrachloride</b>	<b>0.063</b>		ppbv	0.023	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
108-90-7	Chlorobenzene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
75-00-3	Chloroethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
67-66-3	Chloroform	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
74-87-3	<b>Chloromethane</b>	<b>0.46</b>		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ



## Sample Information

**Client Sample ID:** Boiler Room First Floor

**York Sample ID:** 22D1052-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D1052	22-51657 Campagne E.S.	Indoor Ambient Air	April 20, 2022 3:00 pm	04/22/2022

### 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	ND		ppbv	0.023	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
110-82-7	Cyclohexane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
124-48-1	Dibromochloromethane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
75-71-8	<b>Dichlorodifluoromethane</b>	<b>0.53</b>		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
141-78-6	* Ethyl acetate	ND		ppbv	0.18	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
100-41-4	Ethyl Benzene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
87-68-3	Hexachlorobutadiene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
67-63-0	<b>Isopropanol</b>	<b>2.6</b>	B	ppbv	0.45	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
80-62-6	Methyl Methacrylate	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
75-09-2	<b>Methylene chloride</b>	<b>0.29</b>		ppbv	0.18	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
142-82-5	n-Heptane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
110-54-3	n-Hexane	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
95-47-6	o-Xylene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
179601-23-1	p- & m- Xylenes	ND		ppbv	0.18	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
622-96-8	* p-Ethyltoluene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
115-07-1	* Propylene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
100-42-5	Styrene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ



## Sample Information

<b>Client Sample ID:</b> Boiler Room First Floor		<b>York Sample ID:</b>	<b>22D1052-09</b>
<u>York Project (SDG) No.</u> 22D1052	<u>Client Project ID</u> 22-51657 Campagne E.S.	<u>Matrix</u> Indoor Ambient Air	<u>Collection Date/Time</u> April 20, 2022 3:00 pm
			<u>Date Received</u> 04/22/2022

### 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
127-18-4	Tetrachloroethylene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
109-99-9	* Tetrahydrofuran	ND		ppbv	0.18	0.905	EPA TO-15 Certifications:	05/01/2022 07:34	05/02/2022 07:09	LLJ
108-88-3	Toluene	<b>0.56</b>		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
79-01-6	Trichloroethylene	ND		ppbv	0.023	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	<b>0.26</b>		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
108-05-4	Vinyl acetate	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
593-60-2	Vinyl bromide	ND		ppbv	0.090	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ
75-01-4	Vinyl Chloride	ND		ppbv	0.045	0.905	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/01/2022 07:34	05/02/2022 07:09	LLJ





## Sample and Data Qualifiers Relating to This Work Order

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.



York Analytical Laboratories, Inc.  
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Stratford, CT 06615 NY 11418

**YORK**  
ANALYTICAL LABORATORIES INC.

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# Field Chain-of-Custody Record - AIR

YORK Project No.

22D1052

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

YOUR Information		Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: <i>JCB Environmental Associates, Inc.</i>	Address: <i>1775 Express Dr. N Plainview, NY 11788</i>	Phone.: <i>631-534-3492</i>	Contact: <i>Steve Miller</i>	Address: <i>JCB</i>	22-51657
E-mail: <i>smiller@jcbenv.com</i>		Phone.: <i></i>	Contact: <i></i>		YOUR Project Name <i>Campagne E.S.</i>
		E-mail: <i></i>			YOUR PO#:

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

*Jeffrey Naranjo*

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

*Jeffrey Naranjo*

Air Matrix Codes	Samples From		Report / EDD Type (circle selections)			YORK Reg. Comp.
AI - Indoor Ambient Air	New York	<input checked="" type="checkbox"/> Summary Report	CT RCP	Standard Excel EDD		Compared to the following Regulation(s): (please fill in)
AO - Outdoor Amb. Air	New Jersey	<input type="checkbox"/> QA Report	CT RCP DQA/DUE	EQuIS (Standard)		
AE - Vapor Extraction Well/ Process Gas/Effluent	Connecticut	<input type="checkbox"/> NY ASP A Package	NJDEP Reduced Deliv.	NYSDEC EQuIS		
AS - Soil Vapor/Sub-Slab	Pennsylvania	<input type="checkbox"/> NY ASP B Package	NJDKQP	NJDEP SRP HazSite		
	Other	<input type="checkbox"/> Other:				

Certified Canisters: Batch _____ Individual _____		Please enter the following REQUIRED Field Data				Reporting Units: ug/m <sup>3</sup> <input checked="" type="checkbox"/> ppbv <input type="checkbox"/> ppmv _____	
Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
Ambient	4/20/22	AO	30	10	28846	6876	T0-15
Mechanical Room Sub-Slab	4/20/22	AS	30	8	41940	5123	T0-15 + He
Mechanical Room First Floor	4/20/22	AI	30	6	36992	5413	T0-15
Classroom K-C First Floor	4/20/22	AI	30	5	37420	7360	T0-15
Classroom 103 First Floor	4/20/22	AI	20	9	10042	5706	T0-15
Music First Floor	4/20/22	AI	30	7	42992	4762	T0-15
Classroom 207 Second Floor	4/20/22	AI	30	5	41936	13571	T0-15
Boiler Room Sub-Slab	4/20/22	AS	20	16	37389	7087	T0-15 + He
Boiler Room First Floor	4/20/22	AE	30	5	17351	5610	T0-15

Comments:	Detection Limits Required			Sampling Media
	$\leq 1 \text{ ug/m}^3$ <input checked="" type="checkbox"/>	NYSDEC V1 Limits _____	Routine Survey _____	6 Liter Canister <input checked="" type="checkbox"/> Tedlar Bag <input type="checkbox"/>
C. Campagne E.S. 603 Plainview Rd Bellmore, NY 11714				

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
<i>Jeffrey Naranjo/JCB</i>	4/21/22 11 AM	<i>L Barhyork</i>	4/21/22 11AM	<i>Bushwick</i>	4/22/22 7:25AM
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
<i>Queens Secure Room</i>	4/22/22 7:25AM				
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				<i>A York</i>	4/23/22 12:40