VOLATILE VAPOR INTRUSION (VVI) REPORT

BETHPAGE HIGH SCHOOL
10 CHERRY AVENUE
BETHPAGE, NEW YORK 11714

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

JCB PROJECT #: 16-33544
MARCH 2016

J.C. BRODERICK & ASSOCIATES, INC.
Environmental Consulting & Testing

1775 Expressway Drive North
Hauppauge, New York 11788
631-584-5492 Fax: 631-584-3395

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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) as a result of the contamination emanating from the Bethpage Community Park site. JCB performed VVI air sampling within the Bethpage High School. 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.

Section No. 2.0: Site Description and Location

The Subject Site is located at 10 Cherry Avenue Bethpage, New York 11714. The Subject Site is located on the southeast corner of the intersection formed by Stewart and Cherry Avenues. According to the United States Geological Survey (USGS) *Huntington, New York, 1992* 7.5 Minute Series Topographical Map, the Subject Site is situated at an approximate elevation of 121 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) 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 - Subsurface, Crawlspace and Basement Sample Locations for additional details.

- For the collection of the subsurface vapor samples, a probe was fabricated from ½-inch diameter, threaded brass pipe with a barbed tubing connection. The two (2) layers of 6-mil polyethylene sheeting were penetrated and a one (1) inch diameter hole was drilled, utilizing a hammer drill, into the sand floor of the crawlspace extending approximately two (2) inches below the top of the sand. 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 plastic sheeting and above the vapor point. The container was sealed to the plastic sheeting utilizing modeling clay and duct tape. A Teflon-lined, ¼-inch I.D. disposable polyethylene tubing was then utilized to connect the barbed connection of the vapor point to a clean-certified, 1-liter SUMMA® canister, provided by YORK Analytical Labs, 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 sample collection. Upon completion of the sampling, the polyethylene sheeting was replaced on the floor and secured in place with duct tape.

- 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 February 19, 2016, a total of two (2) subsurface vapor samples were collected.

    - One (1) subsurface sample was collected from beneath the north end of the west crawlspace under the west side school entrance.

    - One (1) subsurface sample was collected from beneath the south end of the west crawlspace under the southwest cafeteria “A”.

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, 1-liter SUMMA® canisters, provided by YORK Analytical Labs, Inc. (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: Crawlspace/Basement Air Sample Collection

Please refer to Figure No. 2 - Subsurface, Crawlspace and Basement Sample Locations for additional details.

- On February 19, 2016, a total of two (2) crawlspace and one (1) basement air samples were collected.
  - One (1) air sample was collected from the north end of the west crawlspace under the west side school entrance.
  - One (1) air sample was collected from the south end of the west crawlspace under the south west cafeteria.
  - One (1) air sample was collected from the intersection of the two (2) hallways in the basement of the administration building.

Section No. 3.3.2: 1st Floor Air Sample Collection

Please refer to Figure No. 3 - 1st Floor and Ambient Sample Locations for additional details.

- On February 19, 2016, one (1) first floor air sample was collected.
  - One (1) air sample was collected from within Cafeteria-A located in the southwest corner of the high 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, 1-liter SUMMA® canister, provided by YORK Analytical Labs, Inc. (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 floor. Please refer to Figure No. 3 - 1st Floor and Ambient Sample Locations for additional details.

- On February 19, 2016, one (1) outdoor (ambient) air sample was collected.
  - One (1) air sample was collected from outside the west side of the high school building adjacent to Classroom Number 117.

Section No. 4.0: Laboratory Analytical Summary

The air samples were collected into laboratory supplied, clean-certified, 1-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 Labs, Inc. (York) 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 90th percentile as listed in Table C1 NYSDOH 2003 Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes of the NYSDOH's "Final NYSDOH CEH BEEI Soil Vapor Intrusion Guidance" dated October 2006.

The following table summarizes the Air Sampling 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	North Subsurface[1] 2016	South Subsurface[1] 2016	North Crawlspace 2016	South Crawlspace 2016	1st Floor Cafeteria "A" 2016	Admin Basement 2016	Ambient 2016
TO-15 List	**µg/m³**	**µg/m³**	**µg/m³**	**µg/m³**	**µg/m³**	**µg/m³**	**µg/m³**	**µg/m³**
1,1,1-Trichloroethane (TCA)	3.1	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	9.5	35	21	ND	ND	ND	ND	ND
Acetone	110	1,300	1,000	7.4	4.1	4.7	7.4	10
Benzene	15	16	ND	0.59	0.60	0.49	0.57	0.67
Carbon Tetrachloride	0.8	ND	ND	ND	ND	ND	ND	0.57
Chloromethane	3.3	ND	ND	1.1	1.0	1.0	1.0	1.5
Trichlorofluoromethane (Freon 11)	17	ND	ND	1.7	1.4	1.3	1.4	3.5
Trichlorotrifluoroethane (Freon 113)	NA	ND	ND	ND	ND	ND	ND	0.77
Dichlorodifluoromethane (Freon 12)	15	ND	ND	1.8	1.7	1.7	1.8	2.4
Hexane	18	8.3	ND	2.8	ND	ND	ND	9.4
Methyl Ethyl Ketone	16	650	520	0.70	0.46	0.46	0.89	0.71
Methylene Chloride	22	ND	ND	6.3	ND	0.89	1.7	15
p-Ethyltoluene	NA	15	9.8	ND	ND	ND	ND	ND
Propylene	NA	ND	ND	ND	ND	1.0	ND	0.83
Tetrachloroethene (PCE)	2.9	57	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	3.3	4,700	4300	ND	ND	ND	ND	ND
Toluene	58	510	270	0.50	0.44	0.47	0.83	0.60
Trichloroethene (TCE)	0.5	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/m³ = parts per billion
NA = Background Value Not Established
ND=Not Detected above the laboratory minimum detection limit
Background Values = NYSDOH 2003 Study of Volatile Organic Compounds in Air or Fuel Oil Heated Homes 90th Percentile
[1] 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 1 & 2. - See Section 5.0 and Table No. 2 for additional information.

Section No. 5.0: Decision Matrices

Decision matrices are risk management tools developed by the NYSDOH to provide guidance on a cases-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. Due to the presence of polyethylene sheeting covering the crawlspace sand, the structure was deemed to contain a full slab for the purpose of this investigation.

The NYSDOH has currently developed two (2) 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 2	No Further Action
Carbon Tetrachloride	Matrix 1	No Further Action
Tetrachloroethene (PCE)	Matrix 2	No Further Action
Trichloroethene (TCE)	Matrix 1	No Further Action

Notes: Only four (4) chemicals have been assigned to decision matrices by the NYSDOH to date.

The results of the matrices indicate that "No Further Action" is required for 1,1,1-Trichloroethane, Carbon Tetrachloride, Tetrachloroethene and Trichloroethene.

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 was 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 building were below their background values as reported in the NYSDOH 2003 Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes 90th Percentile.

- 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

On July 9, 2013 and July 21, 2014, JCB performed the same volatile vapor intrusion sampling. The analytical results collected last year was compared to this year's results and the following observations were made:

Table No. 3:
Comparison of Current Analytical Results to Previous Years

Location	Number of Additional Compounds Detected in 2016	Number of Compounds with Increased Concentrations from 2014	Number of Compounds with Decreased Concentrations from 2014
North Subsurface	1	2	5
South Subsurface	0	2	3
North Crawlspace	2	4	5
South Crawlspace	1	1	6
1st Floor Cafeteria "A"	2	4	6
Admin Basement	3	3	17
Ambient	5	8	8

It should be noted that the high number of compounds with decreasing concentrations detected in all indoor samples collected indicates a downward trend suggesting an overall improvement in the areas tested.

Section No. 8.0: Conclusions

A careful evaluation of the indoor air sampling results compared to the subsurface and ambient results did reveal the presence of a discernible pattern suggesting that the building could be impacted with VVI. Coincidently, it appears that the plastic barrier installed in the crawlspace of the building, although not its intended purpose has been relatively effectively in preventing the subsurface volatile vapors from migrating into the crawlspace and occupied portions of the school building.

Section No. 9.0: Recommendations

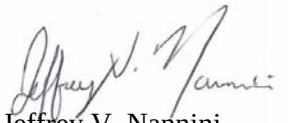
It is recommended that periodic VVI sampling be performed to monitor site conditions.

It is also recommended that periodic inspection of the plastic barrier be performed and that any rips or tears to the barrier be repaired.

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.

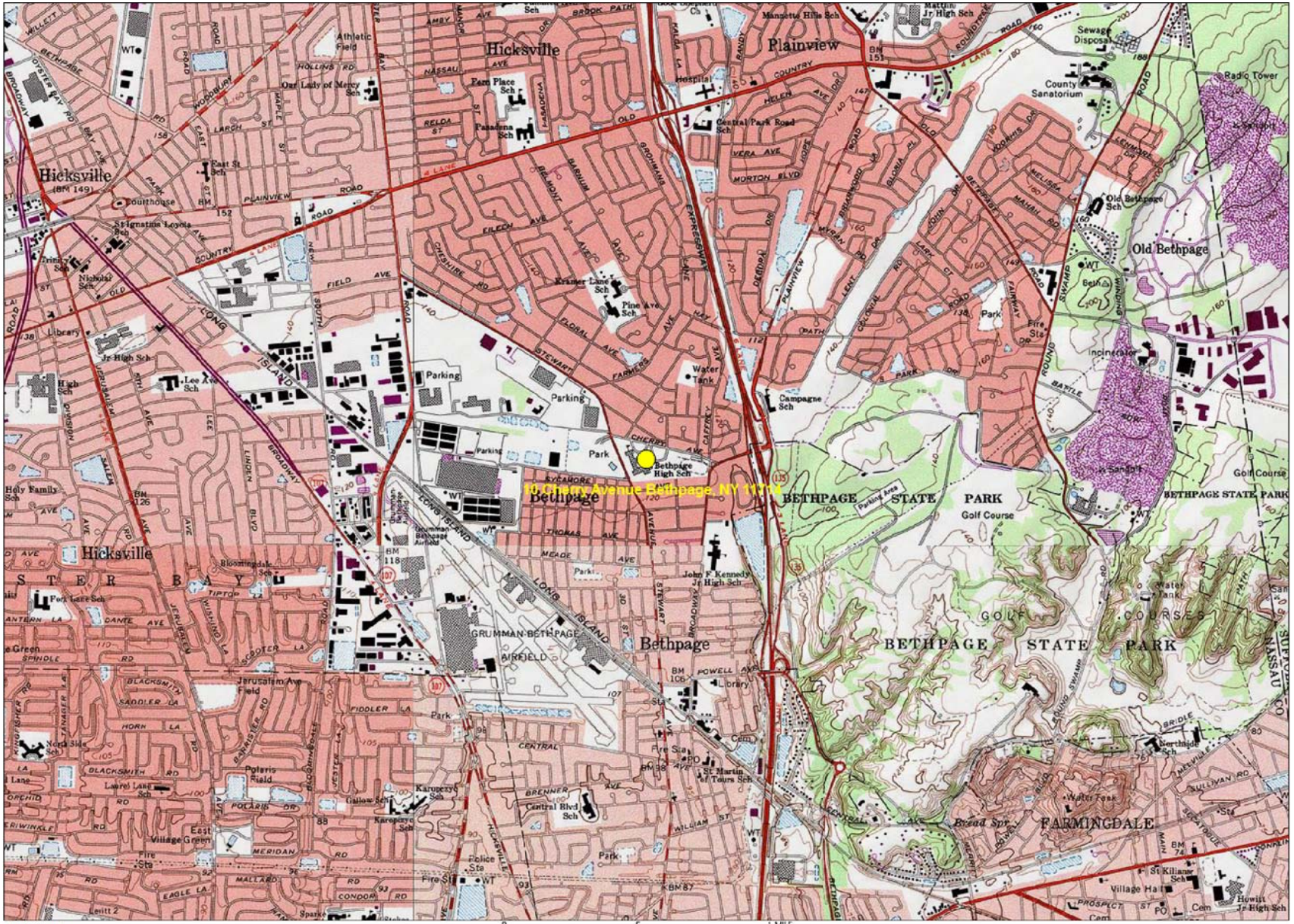
Sincerely,
J.C. Broderick & Associates, Inc.



Jeffrey V. Nannini
Environmental Scientist

Steven Muller, PG
Project Manager

Appendix A
Figures



JCB LEGEND
SUBJECT SITE

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Environmental Consulting and Testing
1775 Express Drive North
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Phone: (631).584.5492
Fax: (631).584.3395

Notes:

Bethpage High School
10 Cherry Avenue
Bethpage, NY 11714

Drawing Title

Figure No. 1

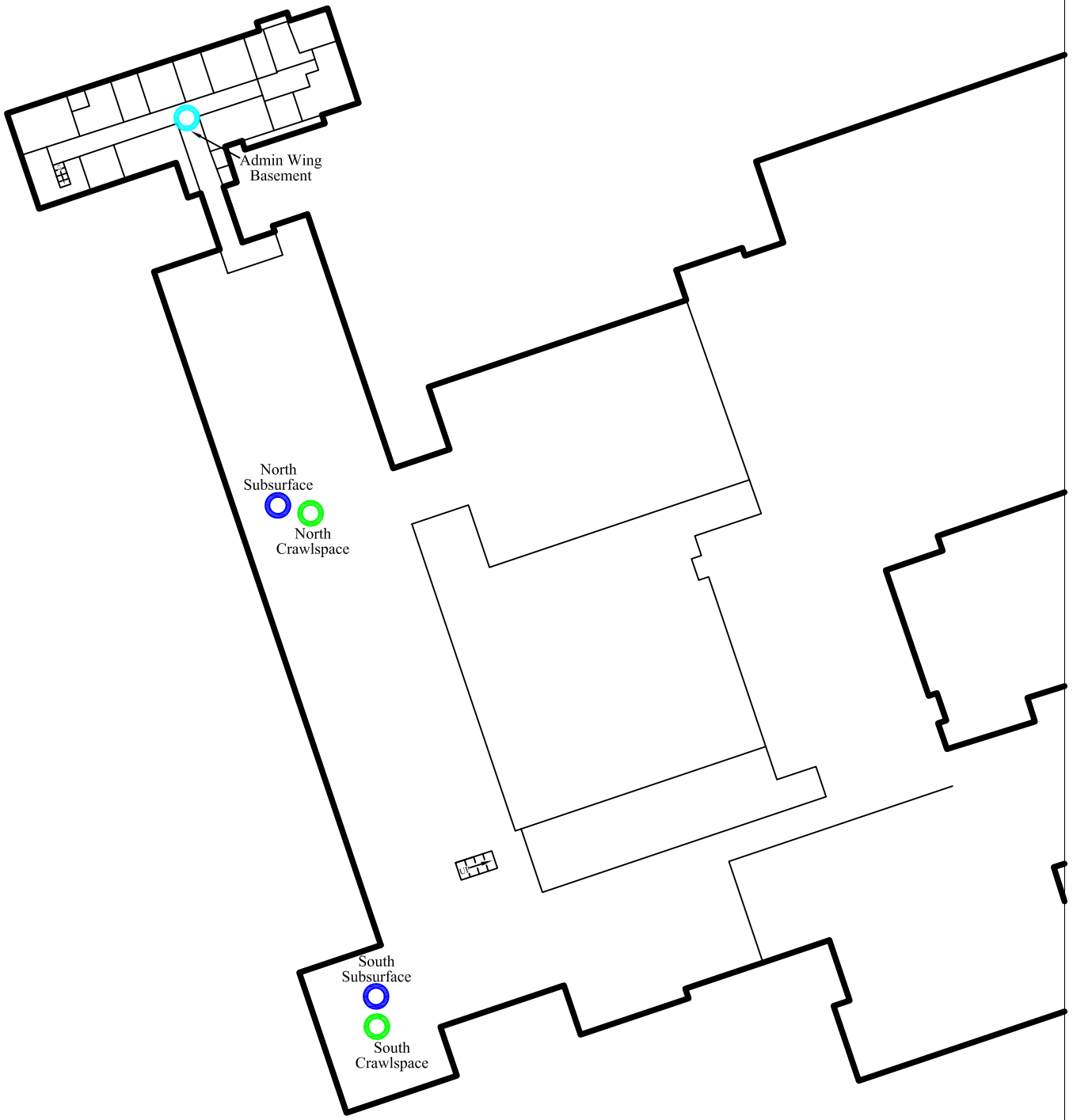
Site Location Map

Scale	Project No.	Date
As Noted	16-33544	02-19-16

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	1 of 3

Drawing No.

1



PROJECT NORTH

JCB LEGEND

- SUBSURFACE SAMPLING LOCATION
- CRAWLSPACE SAMPLING LOCATION
- BASEMENT SAMPLING LOCATION

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Notes:

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10 Cherry Avenue
Bethpage, NY 11714

Drawing Title

Figure No. 2

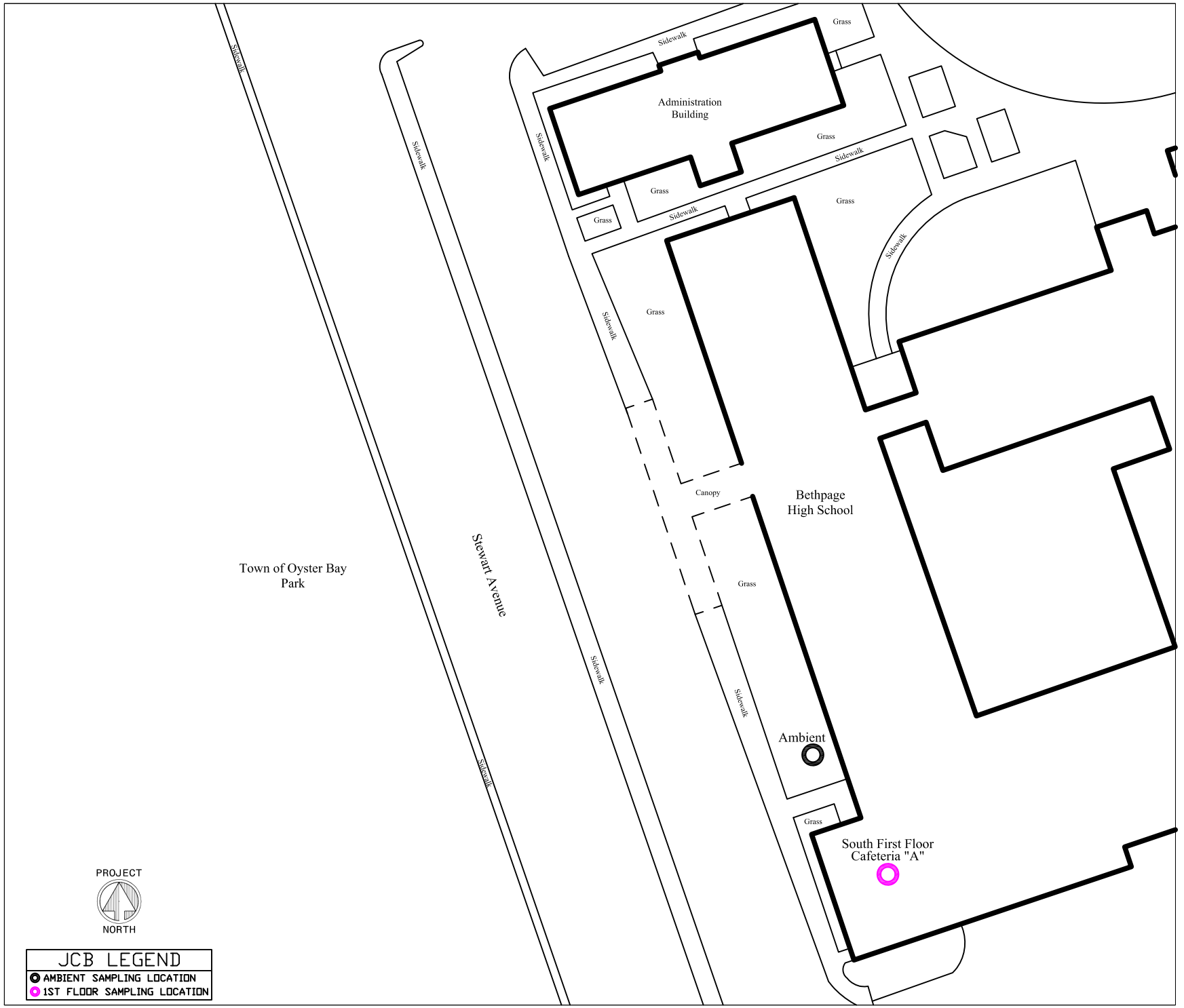
Subsurface, Crawlspace and Basement Sampling Locations

Scale	Project No.	Date
N.T.S.	16-33544	02-19-16

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	2 of 3

Drawing No.

2



PROJECT NORTH

JCB LEGEND

- AMBIENT SAMPLING LOCATION
- 1ST FLOOR SAMPLING LOCATION

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Notes:

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Bethpage, NY 11714

Drawing Title

Figure No. 3

1st Floor and Ambient Sampling Locations

Scale	Project No.	Date
N.T.S.	16-33544	02-19-16

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	3 of 3

Drawing No.

3

Appendix B
Field Photograph Logs

North Subsurface Sampling Location

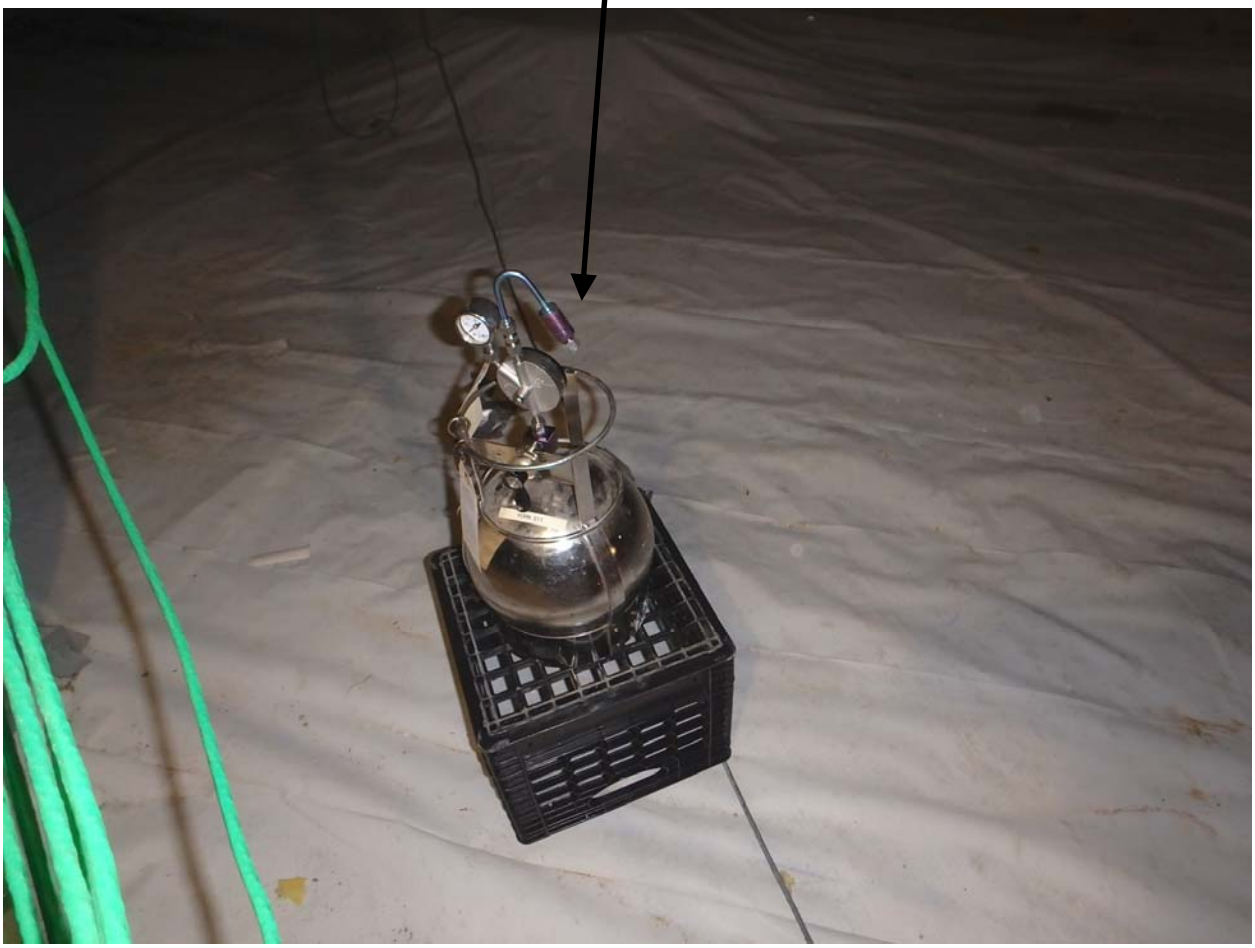
Field Photograph Log

Volatile Vapor Intrusion Report

Bethpage High School
10 Cherry Avenue
Bethpage, New York 11714

Photo No. 01 **JCB#: 16-33544**

North Crawlspace Sampling Location



Field Photograph Log

Volatile Vapor Intrusion Report

Bethpage High School
10 Cherry Avenue
Bethpage, New York 11714

Photo No. 02 **JCB#: 16-33544**

South Subsurface Sampling Location

Field Photograph Log

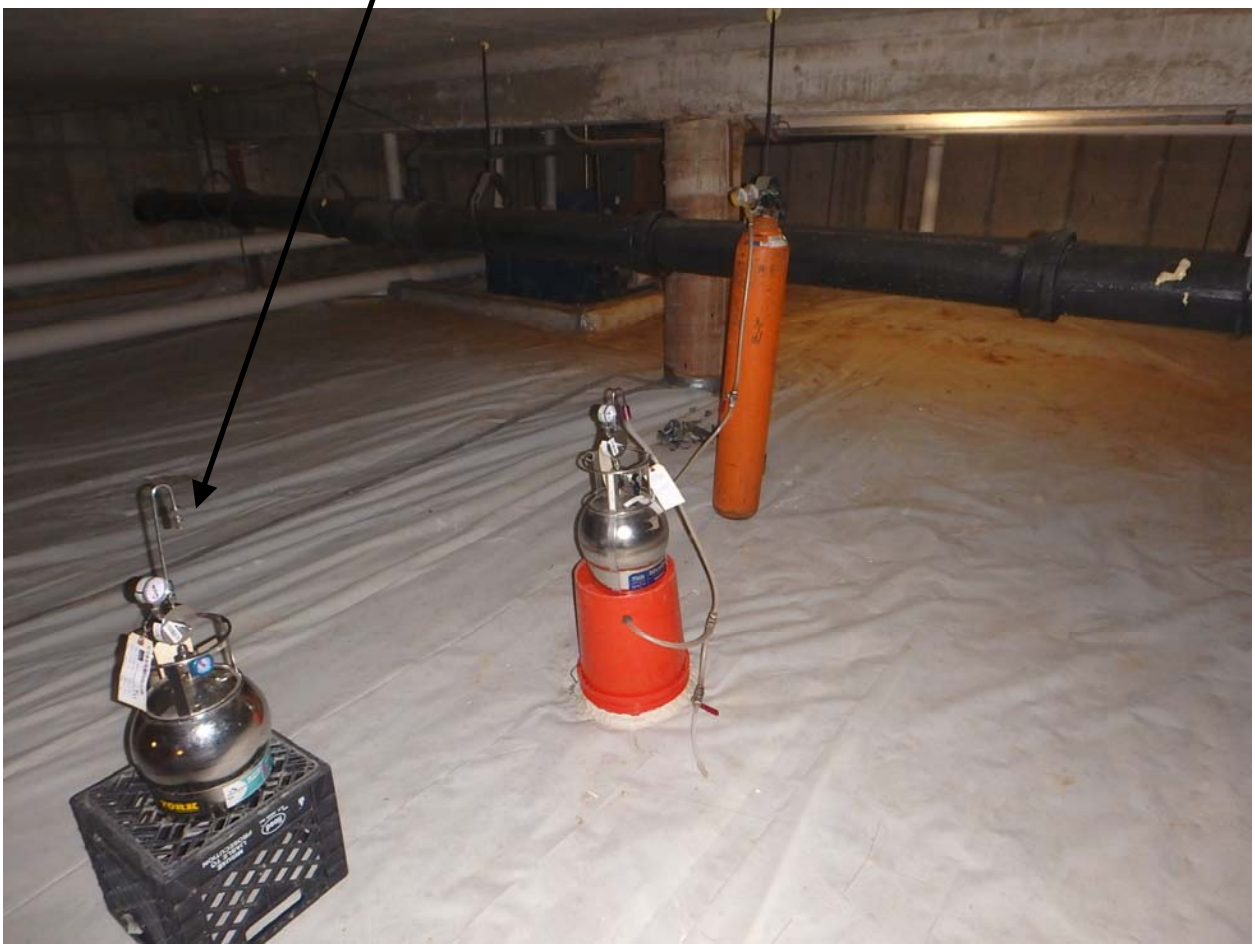
Volatile Vapor Intrusion Report

Bethpage High School
10 Cherry Avenue
Bethpage, New York 11714

Photo No. 03

JCB#: 16-33544

South Crawlspace Sampling Location



Field Photograph Log

Volatile Vapor Intrusion Report

Bethpage High School
10 Cherry Avenue
Bethpage, New York 11714

Photo No. 04 **JCB#: 16-33544**

South First Floor Cafeteria "A" Sampling Location

Field Photograph Log

Volatile Vapor Intrusion Report

Bethpage High School
10 Cherry Avenue
Bethpage, New York 11714

Photo No. 05 **JCB#: 16-33544**

Administration Wing Basement Sampling Location

Field Photograph Log

Volatile Vapor Intrusion Report

Bethpage High School
10 Cherry Avenue
Bethpage, New York 11714

Photo No. 06 **JCB#: 16-33544**

Ambient Sampling Location

Field Photograph Log

Volatile Vapor Intrusion Report

Bethpage High School
10 Cherry Avenue
Bethpage, New York 11714

Photo No. 07

JCB#: 16-33544

Typical Subsurface Sampling Equipment and Setup

Field Photograph Log

Volatile Vapor Intrusion Report

Bethpage High School
10 Cherry Avenue
Bethpage, New York 11714

Photo No. 08

JCB#: 16-33544

Typical Summa® Canister Starting Pressure

Field Photograph Log

Volatile Vapor Intrusion Report

Bethpage High School
10 Cherry Avenue
Bethpage, New York 11714

Photo No. 09 **JCB#: 16-33544**

Typical Summa® Canister Ending Pressure

Field Photograph Log

Volatile Vapor Intrusion Report

Bethpage High School
10 Cherry Avenue
Bethpage, New York 11714

Photo No. 10 **JCB#: 16-33544**

Appendix C
Laboratory Analysis Report

Technical Report

prepared for:

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

Report Date: 02/29/2016
Client Project ID: 16-33544
York Project (SDG) No.: 16B0696

Report Date: 02/29/2016
Client Project ID: 16-33544
York Project (SDG) No.: 16B0696

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 22, 2016 and listed below. The project was identified as your project: **16-33544**.

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 Notes 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 attachment to this report, and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
16B0696-01	1-South Subsurface	Soil Vapor	02/19/2016	02/22/2016
16B0696-02	2-South Crawlspace	Indoor Ambient Air	02/19/2016	02/22/2016
16B0696-03	3-North Subsurface	Soil Vapor	02/19/2016	02/22/2016
16B0696-04	4-North Crawlspace	Indoor Ambient Air	02/19/2016	02/22/2016
16B0696-05	5-Admin Wing Basement	Indoor Ambient Air	02/19/2016	02/22/2016
16B0696-06	6-South 1st Floor cafeteria	Indoor Ambient Air	02/19/2016	02/22/2016
16B0696-07	7-Ambient	Outdoor Ambient Ai	02/19/2016	02/22/2016

General Notes for York Project (SDG) No.: 16B0696

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 02/29/2016

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: 1-South Subsurface

York Sample ID: 16B0696-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Soil Vapor	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	12	12	18.13	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 16:52	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	9.9	9.9	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	12	12	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	14	14	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	9.9	9.9	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	7.3	7.3	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	7.2	7.2	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	13	13	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
95-63-6	**1,2,4-Trimethylbenzene**	**21**		ug/m³	8.9	8.9	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	14	14	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	11	11	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	7.3	7.3	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	8.4	8.4	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	13	13	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	8.9	8.9	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	24	24	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	11	11	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	8.4	8.4	18.13	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 16:52	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	11	11	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	13	13	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
78-93-3	**2-Butanone**	**520**		ug/m³	5.3	5.3	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS

Sample Information

Client Sample ID: **1-South Subsurface** **York Sample ID:** **16B0696-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Soil Vapor	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m³	15	15	18.13	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 16:52	LDS
107-05-1	3-Chloropropene	ND		ug/m³	28	28	18.13	EPA TO-15 Certifications: NELAC-NY10854	02/26/2016 09:15	02/26/2016 16:52	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	7.4	7.4	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
67-64-1	**Acetone**	**1000**		ug/m³	8.6	8.6	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
107-13-1	Acrylonitrile	ND		ug/m³	3.9	3.9	18.13	EPA TO-15 Certifications: NELAC-NY10854	02/26/2016 09:15	02/26/2016 16:52	LDS
71-43-2	Benzene	ND		ug/m³	5.8	5.8	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
100-44-7	Benzyl chloride	ND		ug/m³	9.4	9.4	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	11	11	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
75-25-2	Bromoform	ND		ug/m³	19	19	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
74-83-9	Bromomethane	ND		ug/m³	7.0	7.0	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
75-15-0	Carbon disulfide	ND		ug/m³	5.6	5.6	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	2.9	2.9	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
108-90-7	Chlorobenzene	ND		ug/m³	8.3	8.3	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
75-00-3	Chloroethane	ND		ug/m³	4.8	4.8	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
67-66-3	Chloroform	ND		ug/m³	8.9	8.9	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
74-87-3	Chloromethane	ND		ug/m³	3.7	3.7	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	7.2	7.2	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	8.2	8.2	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
110-82-7	Cyclohexane	ND		ug/m³	6.2	6.2	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	15	15	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m³	9.0	9.0	18.13	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:52	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	13	13	18.13	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 16:52	LDS

Sample Information

Client Sample ID: **1-South Subsurface** **York Sample ID:** **16B0696-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Soil Vapor	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/m³	7.9	7.9	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/m³	19	19	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			
67-63-0	Isopropanol	ND		ug/m³	8.9	8.9	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			
80-62-6	Methyl Methacrylate	ND		ug/m³	7.4	7.4	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.5	6.5	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/m³	13	13	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			
142-82-5	n-Heptane	ND		ug/m³	7.4	7.4	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			
110-54-3	n-Hexane	ND		ug/m³	6.4	6.4	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			
95-47-6	o-Xylene	ND		ug/m³	7.9	7.9	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			
179601-23-1	p- & m- Xylenes	ND		ug/m³	16	16	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			
622-96-8	* **p-Ethyltoluene**	**9.8**		ug/m³	8.9	8.9	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications:			
115-07-1	* Propylene	ND		ug/m³	3.1	3.1	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications:			
100-42-5	Styrene	ND		ug/m³	7.7	7.7	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			
127-18-4	Tetrachloroethylene	ND		ug/m³	3.1	3.1	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			
109-99-9	* **Tetrahydrofuran**	**4300**		ug/m³	21	21	36.26	EPA TO-15	02/29/2016 10:12	02/29/2016 13:53	LDS
								Certifications:			
108-88-3	**Toluene**	**270**		ug/m³	6.8	6.8	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	7.2	7.2	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	8.2	8.2	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			
79-01-6	Trichloroethylene	ND		ug/m³	2.4	2.4	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	10	10	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			
108-05-4	Vinyl acetate	ND		ug/m³	6.4	6.4	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			
593-60-2	Vinyl bromide	ND		ug/m³	7.9	7.9	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: 1-South Subsurface **York Sample ID:** 16B0696-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Soil Vapor	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	4.6	4.6	18.13	EPA TO-15	02/26/2016 09:15	02/26/2016 16:52	LDS
								Certifications: NELAC-NY10854,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.5 %*	*72-118*

Helium

Log-in Notes:

Sample Notes:

Sample Prepared by Method: PREP for GASES by GC

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-59-7	* Helium	ND		%	0.50	0.50	1	GC/TCD	02/26/2016 13:01	02/26/2016 13:08	RQB
								Certifications:			

Sample Information

Client Sample ID: 2-South Crawlspace **York Sample ID:** 16B0696-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Indoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.72	0.72	1.05	EPA TO-15	02/26/2016 09:15	02/26/2016 13:00	LDS
								Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.57	0.57	1.05	EPA TO-15	02/26/2016 09:15	02/26/2016 13:00	LDS
								Certifications: NELAC-NY10854,NJDEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.72	0.72	1.05	EPA TO-15	02/26/2016 09:15	02/26/2016 13:00	LDS
								Certifications: NELAC-NY10854,NJDEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.80	0.80	1.05	EPA TO-15	02/26/2016 09:15	02/26/2016 13:00	LDS
								Certifications: NELAC-NY10854,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.57	0.57	1.05	EPA TO-15	02/26/2016 09:15	02/26/2016 13:00	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.42	0.42	1.05	EPA TO-15	02/26/2016 09:15	02/26/2016 13:00	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.42	0.42	1.05	EPA TO-15	02/26/2016 09:15	02/26/2016 13:00	LDS
								Certifications: NELAC-NY10854,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.78	0.78	1.05	EPA TO-15	02/26/2016 09:15	02/26/2016 13:00	LDS
								Certifications: NELAC-NY10854,NJDEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.52	0.52	1.05	EPA TO-15	02/26/2016 09:15	02/26/2016 13:00	LDS
								Certifications: NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: **2-South Crawlspace** **York Sample ID:** **16B0696-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Indoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.81	0.81	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.63	0.63	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.42	0.42	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.49	0.49	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.73	0.73	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.52	0.52	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	1.4	1.4	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.63	0.63	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.49	0.49	1.05	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 13:00	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.63	0.63	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	0.76	0.76	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
78-93-3	**2-Butanone**	**0.46**		ug/m³	0.31	0.31	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	0.86	0.86	1.05	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 13:00	LDS
107-05-1	3-Chloropropene	ND		ug/m³	1.6	1.6	1.05	EPA TO-15 Certifications: NELAC-NY10854	02/26/2016 09:15	02/26/2016 13:00	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.43	0.43	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
67-64-1	**Acetone**	**4.1**		ug/m³	0.50	0.50	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
107-13-1	Acrylonitrile	ND		ug/m³	0.23	0.23	1.05	EPA TO-15 Certifications: NELAC-NY10854	02/26/2016 09:15	02/26/2016 13:00	LDS
71-43-2	**Benzene**	**0.60**		ug/m³	0.34	0.34	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
100-44-7	Benzyl chloride	ND		ug/m³	0.54	0.54	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	0.65	0.65	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
75-25-2	Bromoform	ND		ug/m³	1.1	1.1	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
74-83-9	Bromomethane	ND		ug/m³	0.41	0.41	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS

Sample Information

Client Sample ID: **2-South Crawlspace** **York Sample ID:** **16B0696-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Indoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/m³	0.33	0.33	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	0.17	0.17	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
108-90-7	Chlorobenzene	ND		ug/m³	0.48	0.48	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
75-00-3	Chloroethane	ND		ug/m³	0.28	0.28	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
67-66-3	Chloroform	ND		ug/m³	0.51	0.51	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
74-87-3	**Chloromethane**	**1.0**		ug/m³	0.22	0.22	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.42	0.42	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.48	0.48	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
110-82-7	Cyclohexane	ND		ug/m³	0.36	0.36	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	0.84	0.84	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
75-71-8	**Dichlorodifluoromethane**	**1.7**		ug/m³	0.52	0.52	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	0.76	0.76	1.05	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 13:00	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	0.46	0.46	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
67-63-0	Isopropanol	ND		ug/m³	0.52	0.52	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	0.43	0.43	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.38	0.38	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
75-09-2	Methylene chloride	ND		ug/m³	0.73	0.73	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
142-82-5	n-Heptane	ND		ug/m³	0.43	0.43	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
110-54-3	n-Hexane	ND		ug/m³	0.37	0.37	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
95-47-6	o-Xylene	ND		ug/m³	0.46	0.46	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.91	0.91	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS

Sample Information

Client Sample ID: **2-South Crawlspace** **York Sample ID:** **16B0696-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Indoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.52	0.52	1.05	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 13:00	LDS
115-07-1	* Propylene	ND		ug/m³	0.18	0.18	1.05	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 13:00	LDS
100-42-5	Styrene	ND		ug/m³	0.45	0.45	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
127-18-4	Tetrachloroethylene	ND		ug/m³	0.18	0.18	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.62	0.62	1.05	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 13:00	LDS
108-88-3	**Toluene**	**0.44**		ug/m³	0.40	0.40	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.42	0.42	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.48	0.48	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
79-01-6	Trichloroethylene	ND		ug/m³	0.14	0.14	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.4**		ug/m³	0.59	0.59	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
108-05-4	Vinyl acetate	ND		ug/m³	0.37	0.37	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
593-60-2	Vinyl bromide	ND		ug/m³	0.46	0.46	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	0.27	0.27	1.05	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 13:00	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.3 %*	*72-118*

Sample Information

Client Sample ID: **3-North Subsurface** **York Sample ID:** **16B0696-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Soil Vapor	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	12	12	18.19	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 17:40	LDS

Sample Information

Client Sample ID: **3-North Subsurface** **York Sample ID:** **16B0696-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Soil Vapor	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	9.9	9.9	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	12	12	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	14	14	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	9.9	9.9	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	7.4	7.4	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	7.2	7.2	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	13	13	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
95-63-6	**1,2,4-Trimethylbenzene**	**35**		ug/m³	8.9	8.9	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	14	14	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	11	11	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	7.4	7.4	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	8.4	8.4	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	13	13	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	8.9	8.9	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	24	24	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	11	11	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	8.4	8.4	18.19	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 17:40	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	11	11	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	13	13	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
78-93-3	**2-Butanone**	**650**		ug/m³	5.4	5.4	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	15	15	18.19	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 17:40	LDS
107-05-1	3-Chloropropene	ND		ug/m³	28	28	18.19	EPA TO-15 Certifications: NELAC-NY10854	02/26/2016 09:15	02/26/2016 17:40	LDS

Sample Information

Client Sample ID: 3-North Subsurface **York Sample ID:** 16B0696-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Soil Vapor	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	7.5	7.5	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
67-64-1	**Acetone**	**1300**		ug/m³	8.6	8.6	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
107-13-1	Acrylonitrile	ND		ug/m³	3.9	3.9	18.19	EPA TO-15 Certifications: NELAC-NY10854	02/26/2016 09:15	02/26/2016 17:40	LDS
71-43-2	**Benzene**	**16**		ug/m³	5.8	5.8	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
100-44-7	Benzyl chloride	ND		ug/m³	9.4	9.4	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	11	11	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
75-25-2	Bromoform	ND		ug/m³	19	19	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
74-83-9	Bromomethane	ND		ug/m³	7.1	7.1	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
75-15-0	Carbon disulfide	ND		ug/m³	5.7	5.7	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	2.9	2.9	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
108-90-7	Chlorobenzene	ND		ug/m³	8.4	8.4	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
75-00-3	Chloroethane	ND		ug/m³	4.8	4.8	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
67-66-3	Chloroform	ND		ug/m³	8.9	8.9	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
74-87-3	Chloromethane	ND		ug/m³	3.8	3.8	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	7.2	7.2	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	8.3	8.3	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
110-82-7	Cyclohexane	ND		ug/m³	6.3	6.3	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	15	15	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m³	9.0	9.0	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	13	13	18.19	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 17:40	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	7.9	7.9	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	19	19	18.19	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 17:40	LDS

Sample Information

Client Sample ID: **3-North Subsurface** **York Sample ID:** **16B0696-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Soil Vapor	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	ND		ug/m³	8.9	8.9	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications: NELAC-NY10854,NJDEP			
80-62-6	Methyl Methacrylate	ND		ug/m³	7.4	7.4	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications: NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.5	6.5	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-09-2	Methylene chloride	ND		ug/m³	13	13	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications: NELAC-NY10854,NJDEP			
142-82-5	n-Heptane	ND		ug/m³	7.5	7.5	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications: NELAC-NY10854,NJDEP			
110-54-3	**n-Hexane**	**8.3**		ug/m³	6.4	6.4	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications: NELAC-NY10854,NJDEP			
95-47-6	o-Xylene	ND		ug/m³	7.9	7.9	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications: NELAC-NY10854,NJDEP			
179601-23-1	p- & m- Xylenes	ND		ug/m³	16	16	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications: NELAC-NY10854,NJDEP			
622-96-8	* **p-Ethyltoluene**	**15**		ug/m³	8.9	8.9	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications:			
115-07-1	* Propylene	ND		ug/m³	3.1	3.1	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications:			
100-42-5	Styrene	ND		ug/m³	7.7	7.7	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications: NELAC-NY10854,NJDEP			
127-18-4	**Tetrachloroethylene**	**57**		ug/m³	3.1	3.1	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications: NELAC-NY10854,NJDEP			
109-99-9	* **Tetrahydrofuran**	**4700**		ug/m³	21	21	36.38	EPA TO-15	02/29/2016 10:12	02/29/2016 14:41	LDS
								Certifications:			
108-88-3	**Toluene**	**510**		ug/m³	6.9	6.9	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications: NELAC-NY10854,NJDEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	7.2	7.2	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications: NELAC-NY10854,NJDEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	8.3	8.3	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications: NELAC-NY10854,NJDEP			
79-01-6	Trichloroethylene	ND		ug/m³	2.4	2.4	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	10	10	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications: NELAC-NY10854,NJDEP			
108-05-4	Vinyl acetate	ND		ug/m³	6.4	6.4	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications: NELAC-NY10854,NJDEP			
593-60-2	Vinyl bromide	ND		ug/m³	8.0	8.0	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-01-4	Vinyl Chloride	ND		ug/m³	4.6	4.6	18.19	EPA TO-15	02/26/2016 09:15	02/26/2016 17:40	LDS
								Certifications: NELAC-NY10854,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.5 %*	*72-118*

Sample Information

Client Sample ID: **3-North Subsurface** **York Sample ID:** **16B0696-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Soil Vapor	February 19, 2016 3:00 pm	02/22/2016

Helium

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: PREP for GASES by GC

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-59-7	* **Helium**	**1.2**		%	0.50	0.50	1	GC/TCD Certifications:	02/26/2016 13:01	02/26/2016 13:16	RQB

Sample Information

Client Sample ID: **4-North Crawlspace** **York Sample ID:** **16B0696-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Indoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.71	0.71	1.03	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 14:01	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.56	0.56	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.71	0.71	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.79	0.79	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.56	0.56	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.42	0.42	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.41	0.41	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.76	0.76	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.51	0.51	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.79	0.79	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.62	0.62	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.42	0.42	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.48	0.48	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS

Sample Information

Client Sample ID: 4-North Crawlspace **York Sample ID:** 16B0696-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Indoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.72	0.72	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.51	0.51	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	1.3	1.3	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.62	0.62	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.48	0.48	1.03	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 14:01	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.62	0.62	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	0.74	0.74	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
78-93-3	**2-Butanone**	**0.70**		ug/m³	0.30	0.30	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	0.84	0.84	1.03	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 14:01	LDS
107-05-1	3-Chloropropene	ND		ug/m³	1.6	1.6	1.03	EPA TO-15 Certifications: NELAC-NY10854	02/26/2016 09:15	02/26/2016 14:01	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.42	0.42	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
67-64-1	**Acetone**	**7.4**		ug/m³	0.49	0.49	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
107-13-1	Acrylonitrile	ND		ug/m³	0.22	0.22	1.03	EPA TO-15 Certifications: NELAC-NY10854	02/26/2016 09:15	02/26/2016 14:01	LDS
71-43-2	**Benzene**	**0.59**		ug/m³	0.33	0.33	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
100-44-7	Benzyl chloride	ND		ug/m³	0.53	0.53	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	0.64	0.64	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
75-25-2	Bromoform	ND		ug/m³	1.1	1.1	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
74-83-9	Bromomethane	ND		ug/m³	0.40	0.40	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
75-15-0	Carbon disulfide	ND		ug/m³	0.32	0.32	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	0.16	0.16	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
108-90-7	Chlorobenzene	ND		ug/m³	0.47	0.47	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
75-00-3	Chloroethane	ND		ug/m³	0.27	0.27	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS

Sample Information

Client Sample ID: 4-North Crawlspace **York Sample ID:** 16B0696-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Indoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/m³	0.50	0.50	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
74-87-3	**Chloromethane**	**1.1**		ug/m³	0.21	0.21	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.41	0.41	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.47	0.47	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
110-82-7	Cyclohexane	ND		ug/m³	0.35	0.35	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	0.83	0.83	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
75-71-8	**Dichlorodifluoromethane**	**1.8**		ug/m³	0.51	0.51	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	0.74	0.74	1.03	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 14:01	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	0.45	0.45	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
67-63-0	Isopropanol	ND		ug/m³	0.51	0.51	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	0.42	0.42	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.37	0.37	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
75-09-2	**Methylene chloride**	**6.3**		ug/m³	0.72	0.72	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
142-82-5	n-Heptane	ND		ug/m³	0.42	0.42	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
110-54-3	**n-Hexane**	**2.8**		ug/m³	0.36	0.36	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
95-47-6	o-Xylene	ND		ug/m³	0.45	0.45	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.89	0.89	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.51	0.51	1.03	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 14:01	LDS
115-07-1	* Propylene	ND		ug/m³	0.18	0.18	1.03	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 14:01	LDS
100-42-5	Styrene	ND		ug/m³	0.44	0.44	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
127-18-4	Tetrachloroethylene	ND		ug/m³	0.17	0.17	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS

Sample Information

Client Sample ID: **4-North Crawlspace** **York Sample ID:** **16B0696-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Indoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.61	0.61	1.03	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 14:01	LDS
108-88-3	**Toluene**	**0.50**		ug/m³	0.39	0.39	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.41	0.41	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.47	0.47	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
79-01-6	Trichloroethylene	ND		ug/m³	0.14	0.14	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.7**		ug/m³	0.58	0.58	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
108-05-4	Vinyl acetate	ND		ug/m³	0.36	0.36	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
593-60-2	Vinyl bromide	ND		ug/m³	0.45	0.45	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	0.26	0.26	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 14:01	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.7 %*	*72-118*

Sample Information

Client Sample ID: **5-Admin Wing Basement** **York Sample ID:** **16B0696-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Indoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.72	0.72	1.046	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 15:03	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.57	0.57	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.72	0.72	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.80	0.80	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.57	0.57	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS

Sample Information

Client Sample ID: **5-Admin Wing Basement** **York Sample ID:** **16B0696-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Indoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.42	0.42	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.41	0.41	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.78	0.78	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.51	0.51	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.80	0.80	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.63	0.63	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.42	0.42	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.48	0.48	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.73	0.73	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.51	0.51	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	1.4	1.4	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.63	0.63	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.48	0.48	1.046	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 15:03	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.63	0.63	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	0.75	0.75	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
78-93-3	**2-Butanone**	**0.89**		ug/m³	0.31	0.31	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	0.86	0.86	1.046	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 15:03	LDS
107-05-1	3-Chloropropene	ND		ug/m³	1.6	1.6	1.046	EPA TO-15 Certifications: NELAC-NY10854	02/26/2016 09:15	02/26/2016 15:03	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.43	0.43	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
67-64-1	**Acetone**	**7.4**		ug/m³	0.50	0.50	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
107-13-1	Acrylonitrile	ND		ug/m³	0.23	0.23	1.046	EPA TO-15 Certifications: NELAC-NY10854	02/26/2016 09:15	02/26/2016 15:03	LDS
71-43-2	**Benzene**	**0.57**		ug/m³	0.33	0.33	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS

Sample Information

Client Sample ID: **5-Admin Wing Basement** **York Sample ID:** **16B0696-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Indoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-44-7	Benzyl chloride	ND		ug/m³	0.54	0.54	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
75-27-4	Bromodichloromethane	ND		ug/m³	0.65	0.65	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
75-25-2	Bromoform	ND		ug/m³	1.1	1.1	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
74-83-9	Bromomethane	ND		ug/m³	0.41	0.41	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
75-15-0	Carbon disulfide	ND		ug/m³	0.33	0.33	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
56-23-5	Carbon tetrachloride	ND		ug/m³	0.16	0.16	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
108-90-7	Chlorobenzene	ND		ug/m³	0.48	0.48	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
75-00-3	Chloroethane	ND		ug/m³	0.28	0.28	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
67-66-3	Chloroform	ND		ug/m³	0.51	0.51	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
74-87-3	**Chloromethane**	**1.0**		ug/m³	0.22	0.22	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.41	0.41	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.47	0.47	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
110-82-7	Cyclohexane	ND		ug/m³	0.36	0.36	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
124-48-1	Dibromochloromethane	ND		ug/m³	0.84	0.84	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
75-71-8	**Dichlorodifluoromethane**	**1.8**		ug/m³	0.52	0.52	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
141-78-6	* Ethyl acetate	ND		ug/m³	0.75	0.75	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.45	0.45	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
67-63-0	Isopropanol	ND		ug/m³	0.51	0.51	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
80-62-6	Methyl Methacrylate	ND		ug/m³	0.43	0.43	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.38	0.38	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		
75-09-2	**Methylene chloride**	**1.7**		ug/m³	0.73	0.73	1.046	EPA TO-15	02/26/2016 09:15	02/26/2016 15:03	LDS
								Certifications:	NELAC-NY10854,NJDEP		

Sample Information

Client Sample ID: **5-Admin Wing Basement** **York Sample ID:** **16B0696-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Indoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
142-82-5	n-Heptane	ND		ug/m³	0.43	0.43	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
110-54-3	n-Hexane	ND		ug/m³	0.37	0.37	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
95-47-6	o-Xylene	ND		ug/m³	0.45	0.45	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.91	0.91	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.51	0.51	1.046	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 15:03	LDS
115-07-1	* Propylene	ND		ug/m³	0.18	0.18	1.046	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 15:03	LDS
100-42-5	Styrene	ND		ug/m³	0.45	0.45	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
127-18-4	Tetrachloroethylene	ND		ug/m³	0.18	0.18	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.62	0.62	1.046	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 15:03	LDS
108-88-3	**Toluene**	**0.83**		ug/m³	0.39	0.39	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.41	0.41	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.47	0.47	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
79-01-6	Trichloroethylene	ND		ug/m³	0.14	0.14	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.4**		ug/m³	0.59	0.59	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
108-05-4	Vinyl acetate	ND		ug/m³	0.37	0.37	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
593-60-2	Vinyl bromide	ND		ug/m³	0.46	0.46	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	0.27	0.27	1.046	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 15:03	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.8 %*	*72-118*

Sample Information

Client Sample ID: **6-South 1st Floor cafeteria** **York Sample ID:** **16B0696-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Indoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Sample Information

Client Sample ID: **6-South 1st Floor cafeteria** **York Sample ID:** **16B0696-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Indoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.71	0.71	1.03	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 16:04	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.56	0.56	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.71	0.71	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.79	0.79	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.56	0.56	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.42	0.42	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.41	0.41	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.76	0.76	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.51	0.51	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.79	0.79	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.62	0.62	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.42	0.42	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.48	0.48	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.72	0.72	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.51	0.51	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	1.3	1.3	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.62	0.62	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.48	0.48	1.03	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 16:04	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.62	0.62	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	0.74	0.74	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
78-93-3	**2-Butanone**	**0.46**		ug/m³	0.30	0.30	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	0.84	0.84	1.03	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 16:04	LDS

Sample Information

Client Sample ID: 6-South 1st Floor cafeteria **York Sample ID:** 16B0696-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Indoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	1.6	1.6	1.03	EPA TO-15 Certifications: NELAC-NY10854	02/26/2016 09:15	02/26/2016 16:04	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.42	0.42	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
67-64-1	**Acetone**	**4.7**		ug/m³	0.49	0.49	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
107-13-1	Acrylonitrile	ND		ug/m³	0.22	0.22	1.03	EPA TO-15 Certifications: NELAC-NY10854	02/26/2016 09:15	02/26/2016 16:04	LDS
71-43-2	**Benzene**	**0.49**		ug/m³	0.33	0.33	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
100-44-7	Benzyl chloride	ND		ug/m³	0.53	0.53	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	0.64	0.64	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
75-25-2	Bromoform	ND		ug/m³	1.1	1.1	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
74-83-9	Bromomethane	ND		ug/m³	0.40	0.40	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
75-15-0	Carbon disulfide	ND		ug/m³	0.32	0.32	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	0.16	0.16	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
108-90-7	Chlorobenzene	ND		ug/m³	0.47	0.47	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
75-00-3	Chloroethane	ND		ug/m³	0.27	0.27	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
67-66-3	Chloroform	ND		ug/m³	0.50	0.50	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
74-87-3	**Chloromethane**	**1.0**		ug/m³	0.21	0.21	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.41	0.41	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.47	0.47	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
110-82-7	Cyclohexane	ND		ug/m³	0.35	0.35	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	0.83	0.83	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
75-71-8	**Dichlorodifluoromethane**	**1.7**		ug/m³	0.51	0.51	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	0.74	0.74	1.03	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 16:04	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	0.45	0.45	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS

Sample Information

Client Sample ID: 6-South 1st Floor cafeteria **York Sample ID:** 16B0696-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Indoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
67-63-0	Isopropanol	ND		ug/m³	0.51	0.51	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	0.42	0.42	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.37	0.37	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
75-09-2	**Methylene chloride**	**0.89**		ug/m³	0.72	0.72	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
142-82-5	n-Heptane	ND		ug/m³	0.42	0.42	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
110-54-3	n-Hexane	ND		ug/m³	0.36	0.36	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
95-47-6	o-Xylene	ND		ug/m³	0.45	0.45	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.89	0.89	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.51	0.51	1.03	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 16:04	LDS
115-07-1	*** Propylene**	**1.0**		ug/m³	0.18	0.18	1.03	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 16:04	LDS
100-42-5	Styrene	ND		ug/m³	0.44	0.44	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
127-18-4	Tetrachloroethylene	ND		ug/m³	0.17	0.17	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.61	0.61	1.03	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 16:04	LDS
108-88-3	**Toluene**	**0.47**		ug/m³	0.39	0.39	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.41	0.41	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.47	0.47	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
79-01-6	Trichloroethylene	ND		ug/m³	0.14	0.14	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.3**		ug/m³	0.58	0.58	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
108-05-4	Vinyl acetate	ND		ug/m³	0.36	0.36	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
593-60-2	Vinyl bromide	ND		ug/m³	0.45	0.45	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	0.26	0.26	1.03	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 16:04	LDS

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: 6-South 1st Floor cafeteria **York Sample ID:** 16B0696-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Indoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.6 %*			*72-118*						

Sample Information

Client Sample ID: 7-Ambient **York Sample ID:** 16B0696-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Outdoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.69	0.69	1	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 11:58	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.69	0.69	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**0.77**		ug/m³	0.77	0.77	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.74	0.74	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.77	0.77	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.60	0.60	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.46	0.46	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.70	0.70	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS

Sample Information

Client Sample ID: 7-Ambient **York Sample ID:** 16B0696-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Outdoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-99-0	1,3-Butadiene	ND		ug/m³	1.3	1.3	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.60	0.60	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.46	0.46	1	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 11:58	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.60	0.60	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	0.72	0.72	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
78-93-3	**2-Butanone**	**0.71**		ug/m³	0.29	0.29	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	0.82	0.82	1	EPA TO-15 Certifications:	02/26/2016 09:15	02/26/2016 11:58	LDS
107-05-1	3-Chloropropene	ND		ug/m³	1.6	1.6	1	EPA TO-15 Certifications: NELAC-NY10854	02/26/2016 09:15	02/26/2016 11:58	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.41	0.41	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
67-64-1	**Acetone**	**10**		ug/m³	0.48	0.48	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
107-13-1	Acrylonitrile	ND		ug/m³	0.22	0.22	1	EPA TO-15 Certifications: NELAC-NY10854	02/26/2016 09:15	02/26/2016 11:58	LDS
71-43-2	**Benzene**	**0.67**		ug/m³	0.32	0.32	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
100-44-7	Benzyl chloride	ND		ug/m³	0.52	0.52	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	0.62	0.62	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
75-25-2	Bromoform	ND		ug/m³	1.0	1.0	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
74-83-9	Bromomethane	ND		ug/m³	0.39	0.39	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
75-15-0	Carbon disulfide	ND		ug/m³	0.31	0.31	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
56-23-5	**Carbon tetrachloride**	**0.57**		ug/m³	0.16	0.16	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
108-90-7	Chlorobenzene	ND		ug/m³	0.46	0.46	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
75-00-3	Chloroethane	ND		ug/m³	0.26	0.26	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
67-66-3	Chloroform	ND		ug/m³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS
74-87-3	**Chloromethane**	**1.5**		ug/m³	0.21	0.21	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	02/26/2016 09:15	02/26/2016 11:58	LDS

Sample Information

Client Sample ID: 7-Ambient **York Sample ID:** 16B0696-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Outdoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications: NELAC-NY10854,NJDEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.45	0.45	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications: NELAC-NY10854,NJDEP			
110-82-7	Cyclohexane	ND		ug/m³	0.34	0.34	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications: NELAC-NY10854,NJDEP			
124-48-1	Dibromochloromethane	ND		ug/m³	0.80	0.80	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-71-8	**Dichlorodifluoromethane**	**2.4**		ug/m³	0.49	0.49	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications: NELAC-NY10854,NJDEP			
141-78-6	* Ethyl acetate	ND		ug/m³	0.72	0.72	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.43	0.43	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications: NELAC-NY10854,NJDEP			
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications: NELAC-NY10854,NJDEP			
67-63-0	Isopropanol	ND		ug/m³	0.49	0.49	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications: NELAC-NY10854,NJDEP			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.41	0.41	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications: NELAC-NY10854,NJDEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.36	0.36	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications: NELAC-NY10854,NJDEP			
75-09-2	**Methylene chloride**	**15**		ug/m³	0.69	0.69	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications: NELAC-NY10854,NJDEP			
142-82-5	n-Heptane	ND		ug/m³	0.41	0.41	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications: NELAC-NY10854,NJDEP			
110-54-3	**n-Hexane**	**9.4**		ug/m³	0.35	0.35	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications: NELAC-NY10854,NJDEP			
95-47-6	o-Xylene	ND		ug/m³	0.43	0.43	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications: NELAC-NY10854,NJDEP			
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.87	0.87	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications: NELAC-NY10854,NJDEP			
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.49	0.49	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications:			
115-07-1	* **Propylene**	**0.83**		ug/m³	0.17	0.17	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications:			
100-42-5	Styrene	ND		ug/m³	0.43	0.43	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications: NELAC-NY10854,NJDEP			
127-18-4	Tetrachloroethylene	ND		ug/m³	0.17	0.17	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications: NELAC-NY10854,NJDEP			
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.59	0.59	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications:			
108-88-3	**Toluene**	**0.60**		ug/m³	0.38	0.38	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications: NELAC-NY10854,NJDEP			

Sample Information

Client Sample ID: 7-Ambient **York Sample ID:** 16B0696-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
16B0696	16-33544	Outdoor Ambient Air	February 19, 2016 3:00 pm	02/22/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications:	NELAC-NY10854,NJDEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.45	0.45	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications:	NELAC-NY10854,NJDEP		
79-01-6	Trichloroethylene	ND		ug/m³	0.13	0.13	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications:	NELAC-NY10854,NJDEP		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**3.5**		ug/m³	0.56	0.56	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications:	NELAC-NY10854,NJDEP		
108-05-4	Vinyl acetate	ND		ug/m³	0.35	0.35	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications:	NELAC-NY10854,NJDEP		
593-60-2	Vinyl bromide	ND		ug/m³	0.44	0.44	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications:	NELAC-NY10854,NJDEP		
75-01-4	Vinyl Chloride	ND		ug/m³	0.26	0.26	1	EPA TO-15	02/26/2016 09:15	02/26/2016 11:58	LDS
								Certifications:	NELAC-NY10854,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.8 %*	*72-118*

Notes and Definitions

QL-03 This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record - AIR

YORK ANALYTICAL LABORATORIES INC

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 16B0696

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: J.C. Broderick	Company: JCB	Company:	16-33544	RUSH - Same Day ☐	Summary Report ✓
Address: 1775 Expressway Dr. N Hauppauge, NY 11788	Address:	Address:	**Purchase Order No.**	RUSH - Next Day ☐	Summary w/ QA Summary
Phone No. 631-584-5492	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package
Contact Person: Steven Muller	Attention:	Attention:		RUSH - Three Day ☐	NY ASP A Package
E-Mail Address: smuller@JCbroderick.com	E-Mail Address:	E-Mail Address:	Samples from: CT__ NY✓ NJ__	RUSH - Four Day ☐	NY ASP B/CLP Pkg
				Standard(5-7 Days) ☒	NJDEP Reduced
					Electronic Deliverables:
					EDD (Specify Type)
					Standard Excel
					Regulatory Comparison Excel

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.

C. Dustin Dawson
Samples Collected/Authorized By (Signature)

C. Dustin Dawson
Name (printed)

Air Matrix Codes

AI - INDOOR Ambient Air
AO- OUTDOOR Amb. Air
AE- Vapor Extraction Well/ Process Gas/Effluent
AS- SOIL Vapor/Sub-Slab

Additional Notes:

Please enter the following Field Data

Detection Limits Required

≤ 1 ug/m³ X
NYSDEC VI Limits
(VI =vapor instrusion)
NJDEP low level
Routine Survey
Other

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Canister ID	Flow Cont.ID	ANALYSES REQUESTED	Sampling Media
1 - South Subsurface	AS	2/19/16	30+	7	P19	Y18	TO-15 + He	6 Liter canister ✓ Tedlar Bag
2 - South Crawlspace	AI	2/19/16	30+	30+	469	Y25	TO-15	6 Liter canister ✓ Tedlar Bag
3 - North Subsurface	AS		30+	14	Y48	Y28	TO-15 + He	6 Liter canister ✓ Tedlar Bag
4 - North Crawlspace	AI		30	7	511	7609	TO-15	6 Liter canister ✓ Tedlar Bag
5 - Admin Wing Basement	AI		30	11	24	7362	TO15	6 Liter canister ✓ Tedlar Bag
6 - South 1st Floor cafeteria	AI		29	7	33	7419	TO-15	6 Liter canister ✓ Tedlar Bag
7 - Ambient	AO		28	3	11	7418	TO-15	6 Liter canister ✓ Tedlar Bag
								6 Liter canister Tedlar Bag
								6 Liter canister Tedlar Bag
								6 Liter canister Tedlar Bag

Comments: Bethpage HS
10 cherry ave.
Bethpage, NY. 11715

C. Dustin Dawson 2/19/16
Samples Relinquished By — Date/Time

KBaker 2/22/16
Samples Relinquished By — Date/Time

KBaker 2/22/16 1240PM
Samples Received By — Date/Time

Grace 2-22-16 1731
Samples Received in LAB by — Date/Time