

Identify

Evaluate

SOIL VAPOR INVESTIGATION



**484 Greenwich Street
New York, New York 10013
Block 595, Lot 84**

Prepared by

**ALC Environmental
121 West 27th Street, Suite 402
New York, NY 10001**

Prepared for:

**484 Greenwich Street Enterprises
488 Greenwich Street
New York, NY 10013**

June 25, 2014

Solve

Execute

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1.0 EXECUTIVE SUMMARY

ALC Environmental (ALC) was contracted by 484 Greenwich Street Enterprise to perform a Soil Vapor Investigation at the property located at 484 Greenwich Street, New York, New York 10013 (the "Site"). The purpose of this investigation was to assess potential vapor encroachment conditions identified at the Site, and to address the requirements of an "Underground Gasoline Storage Tanks*Testing Protocol" E-Designation associated with the Site.

1.1 Site Location and Current Usage

The Site consists of a vacant six-story elevator building with a basement that is planned to be converted into a single-family home. The Site is located on an irregular-shaped parcel that is approximately 0.027-acres in size, and is identified by the New York City (NYC) Department of Finance as Block 595 and Lot 84.

The Site is located in the Hudson Square neighborhood of the NYC Borough of Manhattan. The subject parcel is located on the western side of Greenwich Street, between Spring Street to the north and Canal Street to the south. Figure 1-Appendix A shows the Site location.

1.2 Description of Surrounding Properties

As per the NYC Department of City Planning, the Subject Property is zoned C6-2A. The Site is bounded to the north by a 2^{1/2}-story mixed-use residential and art gallery building; to the east by Greenwich Street followed by a 6-story commercial building; to the south by a 9-story multi-family residential building; and to the west by an 8-story multi-family residential building.

1.3 Prior On-site Recognized Environmental Conditions

In April of 2014, ALC conducted a Phase I Environmental Site Assessment (ESA) at the Site. The findings are included in ALC's Phase I ESA report dated April 16, 2014. The Phase I ESA report identified the following recognized environmental conditions (RECs) in connection with the Site:

- As per the information provided by the New York E-Designation database, on August 19, 2003 the Site was assigned an "Underground Gasoline Storage Tanks*Testing Protocol" E-Designation. The referenced E-Designation points to the presence of potential contamination at a specific tax lot, associated with underground gasoline storage tanks. This listing is most likely related to a former adjacent gas filling station (Mobil Station 15-517) that was located to the south of the Site. According to the historical Sanborn maps reviewed, the referenced southern site was utilized as a gas filling station between approximately the early 1940s and the mid-2000s. There are reported spills associated with the referenced gas filling station, however remediation was completed and a "No Further Action Letter" was issued in 2009. The referenced E Designation was considered to be a REC.

- According to the historical Sanborn maps reviewed, in the early 1900s, a brass foundry operated at the adjacent building to the north, known as 486 Greenwich. An iron works facility was depicted in the 1950 through 2006 Sanborn maps. This is supported by records obtained from the NYC Planning Department which indicate that the referenced northern site was occupied by a bearing metals manufacturing firm between 1906 and 1917, and A. Johnston & Son Iron Works between 1953 and 1975. In addition, historical city directories reviewed indicated that in 1923 the referenced northern site was occupied by 'Excelsior Tool Manufacturing Co.'. Environmental hazards associated with metal manufacturing and iron works activities include, but are not limited to, the generation of contaminated wastewater. Based on the long-term use of the referenced northern property as a metal manufacturing facility, and the fact that these activities took place prior to the promulgation of RCRA (Resource Conservation and Recovery Act), the legislation that regulates solid and hazardous waste disposal enacted in 1976, there is a possibility that the Site was adversely impacted by improperly disposed hazardous wastes associated with the referenced metal fabrication processes. As such, the former uses of the adjacent northern site were considered to be a REC.
- Review of available regulatory databases searched by Environmental Data Resources, Inc. (EDR) revealed a Brownfield site located approximately 364 feet to the east and up-gradient of the Site. This Brownfield site is known as '261 Hudson Street Development- 261 Hudson Street'. As per the information provided, onsite soils were found to be contaminated with polycyclic aromatic hydrocarbons (PAHs) and select metals. In addition tetrachloroethylene (PCE) contaminated groundwater was identified. Exposures to contaminated groundwater are not anticipated since the Site and surrounding sites are supplied with public water. Direct exposures to contaminated soil are also not anticipated due to the distance from the Site. In addition, the site is fenced and mostly covered by asphalt. However, the potential for soil vapor intrusion to occur on and off-site still needs to be evaluated. Based on the fact that this site is located within the critical distance of 0.1 miles for up-gradient sites, as specified by ASTM 2600-10-*Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*, the potential for impacts associated with soil vapor migration to the Site could not be ruled out. The potential for impacts associated with vapor migration from the referenced up-gradient site was considered to be a REC.

1.4 Purpose of Soil Vapor Survey

The purpose of this survey was to assess potential impacts associated with the above identified RECs and to address the above referenced "Underground Gasoline Storage Tanks*Testing Protocol" E-Designation.

1.5 Regulatory Standards

The following regulatory standards were used to evaluate vapor laboratory analytical results at the Site:

- New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York.

2.0 SITE INVESTIGATION ACTIVITIES

The Soil Vapor Investigation was performed on June 16, 2004. ALC performed the following scope of work:

- Two (2) soil vapor probes were installed at the Site and two (2) soil vapor samples were collected and submitted for laboratory analysis;
- One (1) indoor air sample was collected and submitted for laboratory analysis; and
- One (1) outdoor air sample was collected and submitted for laboratory analysis.

A tracer gas was used in accordance with NYSDOH protocols to serve as a quality assurance/quality control (QA/QC) device to verify the integrity of the soil vapor probe seals.

Soil Vapor Sampling

Two (2) soil vapor probes were installed below the basement slab. The soil vapor implants (samples SV01 and SV02) were set at a depth of approximately 2 inches beneath the existing building slab (the soil vapor sampling locations are shown in Appendix A-Figure 2). The soil vapor samples were collected using two SUMMA canisters equipped with an 8-hour regulator, and analyzed for volatile organic compounds (VOCs) following EPA TO-15 method.

Indoor Air Quality (IAQ) Sampling

One (1) IAQ sample was collected from the basement of the subject building (sample IA03). The IAQ sample was collected using the vacuum of a SUMMA canister equipped with an 8-hour regulator, which was placed approximately 3 feet from the ground to represent the breathing zone. The sample was analyzed for VOCs.

Outdoor Air Quality Sampling

One (1) outdoor air sample (sample OA04) was collected from the perimeter of the Site. The outdoor sampling location is shown in Appendix A-Figure 2. The sample was collected using the vacuum of a SUMMA canister equipped with an 8-hour regulator, and analyzed for VOCs.

Methodologies used for soil vapor assessment conform to the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006).

2.1 Geophysical Investigation

No geophysical investigation was conducted as part of this investigation.

3.0 CHEMICAL ANALYSIS

All soil samples collected at the Site were analyzed via EPA Method T0-15 Full List. The Summa canisters, with the chain of custody record, were submitted to York Analytical Laboratories, Inc. (NYS License No. 10854), a NYS-ELAP certified laboratory. Below is a summary of the findings:

Summary of Target Compound List detected in Soil Vapor

Compound	Air Guideline Value (mcg/m ³)	SV01	SV02	IAQ03	OAQ-04
Methylene chloride (also referred to as dichloromethane)	60	ND	ND	130	76
Tetrachloroethene	100	ND	ND	0.79	0.88
Trichloroethene	5	ND	ND	ND	ND

Bold = Above the NYSDOH's October 2006 Air Guidance Value

The NYSDOH has issued indoor air standards for certain chlorinated volatile organic compounds (CVOCs), including tetrachloroethene, trichloroethene, and methylene chloride. In addition, NYSDOH has issued two matrices for decision-making and has assigned a total of four CVOCs (tetrachloroethene, trichloroethene, carbon tetrachloride, and 1,1,1-trichloroethane) to these matrices. It should be noted that the NYSDOH did not establish screening levels or other standards for soil vapor concentrations in the 2006 guidance document.

- Methylene chloride was not detected in the sub-slab soil gas samples, however it was detected in the indoor and outdoor air samples at concentrations above the NYSDOH air guidance value. Although the indoor levels were well above the NYSDOH air guidance value, the concentrations detected in indoor air do not appear to be associated with a Vapor Encroachment Condition (VEC).
- Tetrachloroethene was not detected in the sub-slab soil gas samples, however it was detected in both the indoor and outdoor air samples at concentrations well below the NYSDOH air guidance value. These factors indicate the concentrations detected in indoor air are not associated with a VEC. In addition, based on the NYSDOH decision matrix, no further action is recommended for tetrachloroethene with sub-slab soil gas concentrations of less than 100 micrograms per cubic meter (mcg/m³) coupled with indoor air concentrations of less than 3 mcg/m³.
- Trichloroethene was not detected in the sub-slab soil gas samples or in the indoor and outdoor air samples.
- Carbon tetrachloride was not detected in the sub-slab soil gases or indoor air samples, however it was detected in the outdoor air sample. Based on the NYSDOH

decision matrix, no further action is recommended for carbon tetrachloride with a sub-slab soil gas concentration of less than 5 mcg/m³ coupled with indoor air concentrations of less than 0.25 mcg/m³.

- Other compounds were detected in both the indoor and outdoor air samples and the sub-slab soil gas samples, including toluene, n-hexane, benzene, acetone, and 2-butanone. The sub-slab soil gas samples were significantly higher than those detected in indoor air, and higher than the concentrations detected in the outdoor air, indicating that the concentrations detected in indoor air can potentially be attributed to vapor encroachment.
- Compounds such as p-ethyltoluene, p- & m-xylenes, o-xylene, ethylbenzene, and 1,2,4-trimethylbenzene were detected in the indoor air sample and in the sub-slab soil gas samples, but were not detected in the outdoor air sample. The sub-slab concentrations were higher than the indoor concentrations, indicating the concentrations detected in indoor air can potentially be attributed to vapor encroachment.
- Compounds such as isopropanol and dichlorodifluoromethane were detected in both the indoor and outdoor air samples, but were not detected in the sub-slab soil gas samples, indicating the concentrations detected in indoor air cannot be attributed to vapor encroachment.
- Compounds such as cyclohexane, 2-hexanone, and 1,3,5-trimethylbenzene were only detected in the indoor air sample, indicating the concentrations detected cannot be attributed to vapor encroachment.

A summary of the air and vapor analytical data is provided in Appendix B-Table 1.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The objective of this Soil Vapor Survey was to determine the presence of subsurface and/or indoor air quality contamination at the Site, and to determine if identified soil vapors have the potential to intrude the basement of the subject building and impact indoor air. This was accomplished through a Site visit and reconnaissance, the testing of sub-slab soil vapor, and testing of indoor and outdoor ambient air. Based on the laboratory analytical results, the following conclusions are presented:

- Several compounds were detected in the sub-slab soil vapor samples. Overall, the highest concentrations were detected in soil vapor SV02, which was advanced in the eastern section of the building (see Appendix A-Figure 2).
- Methylene chloride was not detected in the sub-slab soil gas samples, however it was detected in the indoor and outdoor air samples at concentrations well above the NYSDOH air guidance value. As such, the concentrations of methylene chloride detected in indoor air are likely due to indoor and/or outdoor sources, rather than soil vapor intrusion. It should be noted that the NYSDOH Guidance for Evaluating

Soil Vapor Intrusion in the State of New York (October 2006) does not provide a specific direction based on this exceedance.

- Tetrachloroethene was not detected in the sub-slab soil gas samples, however it was detected in both the indoor and outdoor air samples at concentrations well below the NYSDOH air guidance value. These factors indicate the concentrations detected in indoor air were not associated with a VEC. In addition, based on the NYSDOH Soil Vapor/Indoor Air Matrix 2, no further action is recommended for tetrachloroethene with sub-slab soil gas concentrations of less than 100 mcg/m³ coupled with indoor air concentrations of less than 3 mcg/m³.
- Trichloroethene was not detected in the sub-slab soil gas samples or in the indoor and outdoor air samples. No further action is recommended.
- Carbon tetrachloride was not detected in the sub-slab soil gas or indoor air samples, however it was detected in the outdoor air sample. Based on the NYSDOH Soil Vapor/Indoor Air Matrix 1, no further action is recommended for carbon tetrachloride with a sub-slab soil gas concentration of less than 5 mcg/m³ coupled with indoor air concentrations of less than 0.25 mcg/m³.
- Based on a review of the relative concentrations of compounds in indoor air compared to sub-slab soil gas samples, the concentrations of toluene, n-hexane, benzene, acetone, 2-butanone, p-ethyltoluene, p- & m-xylenes, o-xylene, ethyl benzene, and 1,2,4-trimethylbenzene detected in indoor air can potentially be attributed to vapor encroachment.
- Compounds such cyclohexane, 2-hexanone, and 1,3,5-trimethylbenzene were only detected in the indoor air sample, indicating the concentrations detected are likely due to indoor sources, rather than soil vapor intrusion.
- Based on a review of the relative concentrations of compounds in indoor air compared to sub-slab soil gas samples, the concentrations of isopropanol and dichlorodifluoromethane detected in indoor air cannot be attributed to vapor encroachment.

Based on the laboratory analytical results, the following recommendations are presented:

- Based on the presence of methylene chloride in the indoor air at concentrations above the NYSDOH air guidance value, as well as the presence of compounds only identified in the indoor air sample (cyclohexane, 2-hexanone, and 1,3,5-trimethylbenzene), ALC recommends further investigation to identify potential sources and reduce exposures to building occupants. Possible sources include the onsite attached garage and off-gas from building materials (i.e. glues, paints, etc.).

- Due to the identified compounds in the sub-slab soil gas and indoor air, ALC recommends that mitigation in the form of a passive sub-slab depressurization system or vapor barrier retrofit be performed to minimize potential intrusion from the identified compounds.

Please call (212-675-5544) or e-mail (tania.castro@alcenvironmental.com) if you have any questions regarding this Soil Vapor Survey report. We appreciate the opportunity to be of service.

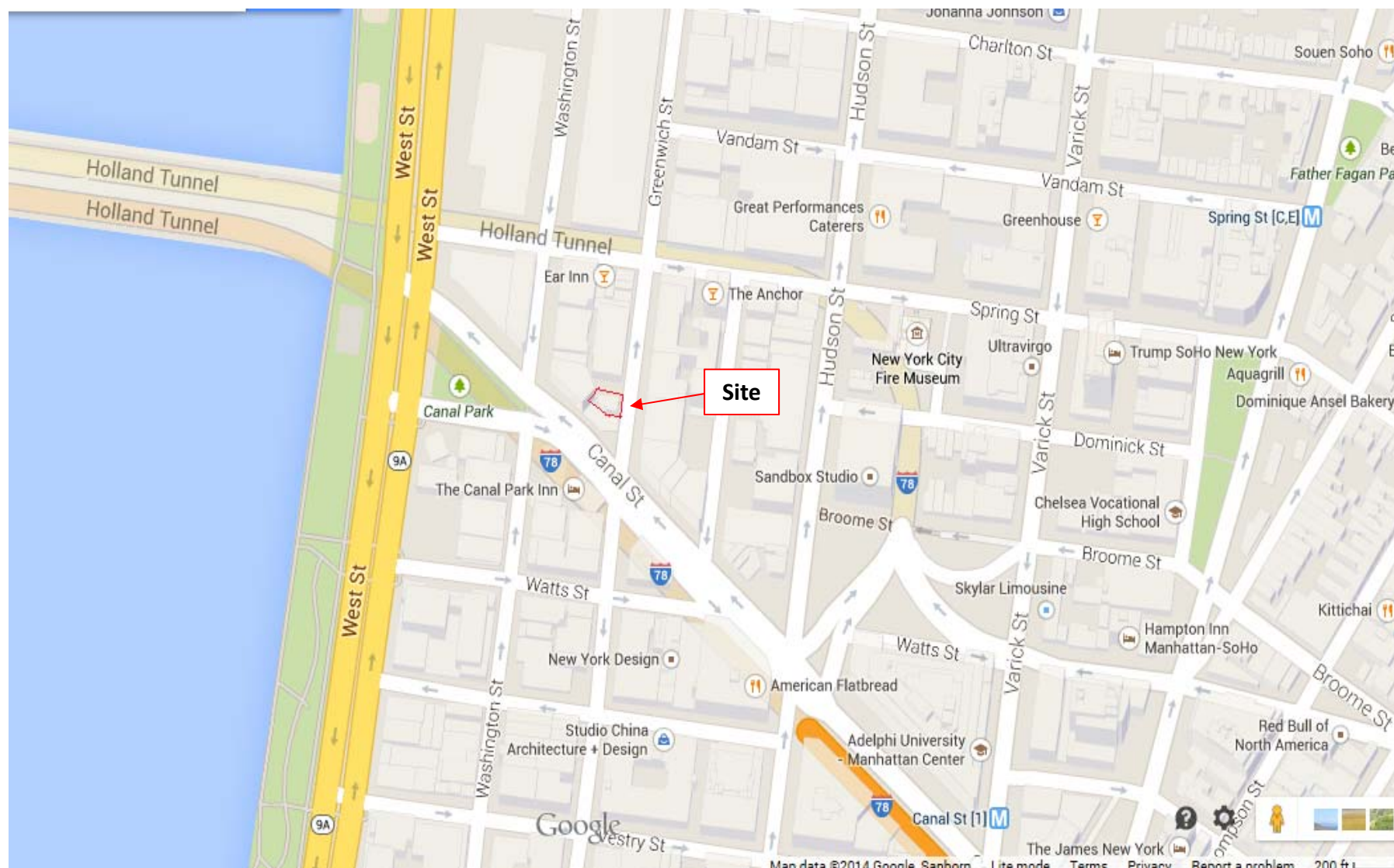
Respectfully submitted,



Tania Castro, Project Manager
ALC Environmental

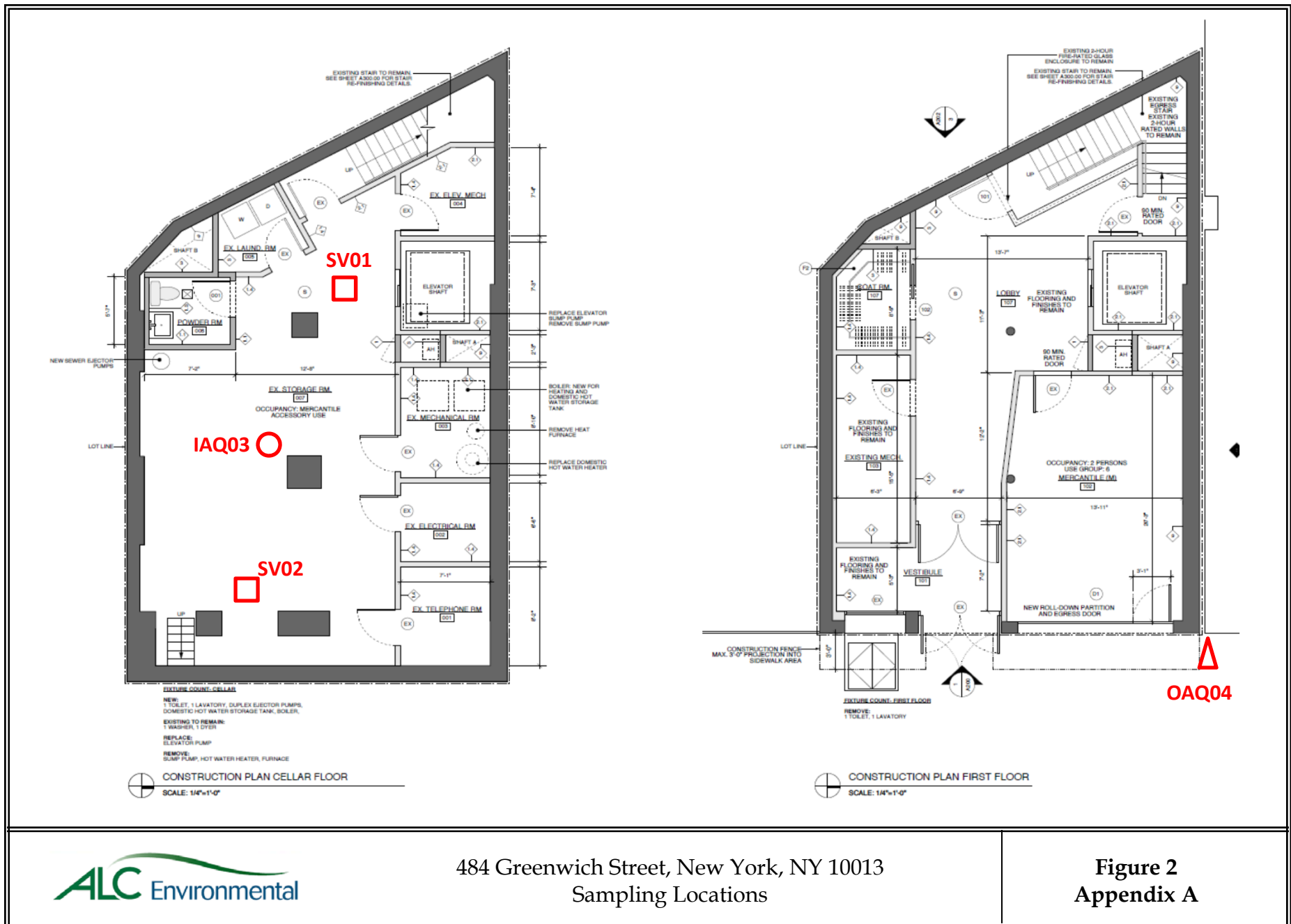
APPENDIX - A

Figures



484 Greenwich Street, New York, NY 10013
Site Location

Figure 1
Appendix A



484 Greenwich Street, New York, NY 10013
Sampling Locations

Figure 2
Appendix A

APPENDIX – B

Summary of Air and Vapor Analytical Data

Table 1
Summary of Soil Vapor and Air Results
484 Greenwich Street, New York, NY 10013

	Air Guidance Value (mcg/m ³)	SV01	SV02	IAQ03	OAQ04
Trichloroethylene	5	ND	ND	ND	ND
Toluene	-	68	140	6.1	16
Tetrahydrofuran	-	13	ND	ND	ND
Tetrachloroethylene	100	ND	ND	0.79	0.88
p-Ethyltoluene	-	20	26	0.98	ND
p- & m-Xylenes	-	60	97	2.9	ND
o-Xylene	-	23	38	1.1	ND
n-Hexane	-	23	48	29	18
n-Heptane	-	12	ND	ND	ND
Methylene chloride	60	ND	ND	130	76
Isopropanol	-	ND	ND	4.6	5.9
Ethylbenzene	-	13	24	0.78	ND
Ethyl acetate	-	ND	ND	ND	5.5
Carbon tetrachloride	-	ND	ND	ND	0.47
Cyclohexane	-	ND	ND	0.54	ND
Chloromethane	-	ND	71	ND	ND
Chloroform	-	120	77	ND	ND
Carbon disulfide	-	170	600	ND	ND
Benzene	-	15	87	1.1	0.62
Acetone	-	320	800	26	19
2-Hexanone	-	ND	ND	1.2	ND
2-Butanone	-	49	110	2.5	1.6
1,3-Butadiene	-	ND	150	ND	ND
1,3,5-Trimethylbenzene	-	ND	ND	0.57	ND
1,2,4-Trimethylbenzene	-	26	32	1.5	ND
Dichlorodifluoromethane	-	ND	ND	1.6	1.6

Notes:

mcg/m³ = micrograms per cubic meter

Air Guidance Values from NYSDOH "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (2006)
Air Guidance Values are for indoor air; NYSDOH did not establish guidance values for soil vapor.

APPENDIX -C

Site Photographs



Photo 1: 484 Greenwich Street



Photo 2: One of two soil vapor implants below basement slab



Photo 3: Tracer gas used for quality control



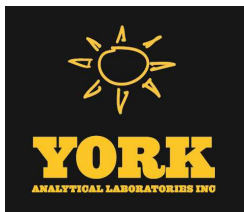
Photo 4: Basement- sub-slab soil vapor samples and indoor air sample



Photo 5: Outdoor air sample

APPENDIX -D

Laboratory Analytical Reports/Quality Assurance/Quality Control



Technical Report

prepared for:

ALC Environmental, Inc.
121 West 27th St., 402
New York NY, 10001
Attention: Tania Castro

Report Date: 06/25/2014
Client Project ID: 484 Greenwich St
York Project (SDG) No.: 14F0745

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 06/25/2014
Client Project ID: 484 Greenwich St
York Project (SDG) No.: 14F0745

ALC Environmental, Inc.
121 West 27th St., 402
New York NY, 10001
Attention: Tania Castro

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 June 18, 2014 and listed below. The project was identified as your project: **484 Greenwich St.**

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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
14F0745-01	SV01	Soil Vapor	06/16/2014	06/18/2014
14F0745-02	SV02	Soil Vapor	06/16/2014	06/18/2014
14F0745-03	IA03	Indoor Ambient Air	06/16/2014	06/18/2014
14F0745-04	OA04	Indoor Ambient Air	06/16/2014	06/18/2014

General Notes for York Project (SDG) No.: 14F0745

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:



Benjamin Gulizia
Laboratory Director

Date: 06/25/2014





Sample Information

Client Sample ID: SV01

York Sample ID: 14F0745-01

York Project (SDG) No.

14F0745

Client Project ID

484 Greenwich St

Matrix

Soil Vapor

Collection Date/Time

June 16, 2014 3:00 pm

Date Received

06/18/2014

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/m ³	2.5	2.5	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	6.8	6.8	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	2.6	2.6	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	8.8	8.8	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	7.7	7.7	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
108-88-3	Toluene	68		ug/m ³	7.3	7.3	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
109-99-9	* Tetrahydrofuran	13		ug/m ³	5.7	5.7	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
127-18-4	Tetrachloroethylene	ND		ug/m ³	3.3	3.3	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
100-42-5	Styrene	ND		ug/m ³	8.3	8.3	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
115-07-1	* Propylene	ND		ug/m ³	3.3	3.3	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
622-96-8	* p-Ethyltoluene	20		ug/m ³	9.5	9.5	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
179601-23-1	p- & m- Xylenes	60		ug/m ³	17	17	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
95-47-6	o-Xylene	23		ug/m ³	8.4	8.4	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
110-54-3	n-Hexane	23		ug/m ³	6.8	6.8	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
142-82-5	n-Heptane	12		ug/m ³	7.9	7.9	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
75-09-2	Methylene chloride	ND		ug/m ³	13	13	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	7.0	7.0	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	7.9	7.9	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
67-63-0	Isopropanol	ND		ug/m ³	9.5	9.5	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	21	21	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
100-41-4	Ethyl Benzene	13		ug/m ³	8.4	8.4	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	14	14	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
110-82-7	Cyclohexane	ND		ug/m ³	6.7	6.7	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	8.8	8.8	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	7.7	7.7	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
74-87-3	Chloromethane	ND		ug/m ³	4.0	4.0	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
67-66-3	Chloroform	120		ug/m ³	9.5	9.5	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
75-00-3	Chloroethane	ND		ug/m ³	5.1	5.1	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	3.0	3.0	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
75-15-0	Carbon disulfide	170		ug/m ³	6.0	6.0	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
74-83-9	Bromomethane	ND		ug/m ³	7.5	7.5	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
75-25-2	Bromoform	ND		ug/m ³	20	20	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	12	12	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	10	10	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
71-43-2	Benzene	15		ug/m ³	6.2	6.2	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
67-64-1	Acetone	320		ug/m ³	4.6	4.6	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	16	16	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
78-93-3	2-Butanone	49		ug/m ³	5.7	5.7	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD



Sample Information

Client Sample ID: SV01

York Sample ID: 14F0745-01

York Project (SDG) No.
14F0745

Client Project ID
484 Greenwich St

Matrix
Soil Vapor

Collection Date/Time
June 16, 2014 3:00 pm

Date Received
06/18/2014

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
123-91-1	1,4-Dioxane	ND		ug/m ³	7.0	7.0	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	12	12	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	12	12	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	8.4	8.4	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	9.5	9.5	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	14	14	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	9.0	9.0	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	7.8	7.8	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	12	12	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
95-63-6	1,2,4-Trimethylbenzene	26		ug/m ³	9.5	9.5	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	14	14	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	7.7	7.7	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	7.8	7.8	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	11	11	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	11	11	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	15	15	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	13	13	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	11	11	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	9.6	9.6	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	15	15	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	16	16	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	7.9	7.9	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	8.9	8.9	19.38	EPA TO-15	06/24/2014 14:35	06/24/2014 21:14	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	90.3 %	72-118								

Sample Information

Client Sample ID: SV02

York Sample ID: 14F0745-02

York Project (SDG) No.
14F0745

Client Project ID
484 Greenwich St

Matrix
Soil Vapor

Collection Date/Time
June 16, 2014 3:00 pm

Date Received
06/18/2014

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/m ³	3.6	3.6	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	9.9	9.9	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD



Sample Information

Client Sample ID: SV02

York Sample ID: 14F0745-02

York Project (SDG) No.
14F0745

Client Project ID
484 Greenwich St

Matrix
Soil Vapor

Collection Date/Time
June 16, 2014 3:00 pm

Date Received
06/18/2014

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
79-01-6	Trichloroethylene	ND		ug/m ³	3.8	3.8	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	13	13	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	11	11	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
108-88-3	Toluene	140		ug/m ³	11	11	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	8.3	8.3	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
127-18-4	Tetrachloroethylene	ND		ug/m ³	4.7	4.7	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
100-42-5	Styrene	ND		ug/m ³	12	12	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
115-07-1	* Propylene	ND		ug/m ³	4.8	4.8	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
622-96-8	* p-Ethyltoluene	26		ug/m ³	14	14	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
179601-23-1	p- & m- Xylenes	97		ug/m ³	24	24	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
95-47-6	o-Xylene	38		ug/m ³	12	12	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
110-54-3	n-Hexane	48		ug/m ³	9.9	9.9	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
142-82-5	n-Heptane	ND		ug/m ³	11	11	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
75-09-2	Methylene chloride	ND		ug/m ³	19	19	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	10	10	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	11	11	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
67-63-0	Isopropanol	ND		ug/m ³	14	14	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	30	30	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
100-41-4	Ethyl Benzene	24		ug/m ³	12	12	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	20	20	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
110-82-7	Cyclohexane	ND		ug/m ³	9.6	9.6	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	13	13	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	11	11	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
74-87-3	Chloromethane	71		ug/m ³	5.8	5.8	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
67-66-3	Chloroform	77		ug/m ³	14	14	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
75-00-3	Chloroethane	ND		ug/m ³	7.4	7.4	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	4.4	4.4	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
75-15-0	Carbon disulfide	600		ug/m ³	8.7	8.7	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
74-83-9	Bromomethane	ND		ug/m ³	11	11	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
75-25-2	Bromoform	ND		ug/m ³	29	29	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	17	17	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	14	14	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
71-43-2	Benzene	87		ug/m ³	8.9	8.9	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
67-64-1	Acetone	800		ug/m ³	6.7	6.7	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	23	23	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
78-93-3	2-Butanone	110		ug/m ³	8.3	8.3	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	10	10	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	17	17	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	17	17	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD



Sample Information

Client Sample ID: SV02

York Sample ID: 14F0745-02

York Project (SDG) No.
14F0745

Client Project ID
484 Greenwich St

Matrix
Soil Vapor

Collection Date/Time
June 16, 2014 3:00 pm

Date Received
06/18/2014

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	150		ug/m ³	12	12	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	14	14	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	20	20	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	13	13	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	11	11	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	17	17	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
95-63-6	1,2,4-Trimethylbenzene	32		ug/m ³	14	14	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	21	21	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	11	11	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	11	11	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	16	16	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	15	15	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	21	21	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	19	19	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	15	15	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	14	14	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	22	22	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	22	22	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	11	11	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	13	13	28	EPA TO-15	06/24/2014 14:35	06/24/2014 22:04	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	93.1 %	72-118								

Sample Information

Client Sample ID: IA03

York Sample ID: 14F0745-03

York Project (SDG) No.
14F0745

Client Project ID
484 Greenwich St

Matrix
Indoor Ambient Air

Collection Date/Time
June 16, 2014 3:00 pm

Date Received
06/18/2014

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/m ³	0.13	0.13	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.37	0.37	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	0.14	0.14	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.48	0.48	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.42	0.42	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD



Sample Information

Client Sample ID: IA03

York Sample ID: 14F0745-03

York Project (SDG) No.
14F0745

Client Project ID
484 Greenwich St

Matrix
Indoor Ambient Air

Collection Date/Time
June 16, 2014 3:00 pm

Date Received
06/18/2014

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
108-88-3	Toluene	6.1		ug/m ³	0.40	0.40	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.31	0.31	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
127-18-4	Tetrachloroethylene	0.79		ug/m ³	0.18	0.18	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
100-42-5	Styrene	ND		ug/m ³	0.45	0.45	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
115-07-1	* Propylene	ND		ug/m ³	0.18	0.18	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
622-96-8	* p-Ethyltoluene	0.98		ug/m ³	0.52	0.52	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
179601-23-1	p- & m- Xylenes	2.9		ug/m ³	0.92	0.92	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
95-47-6	o-Xylene	1.1		ug/m ³	0.46	0.46	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
110-54-3	n-Hexane	29		ug/m ³	0.37	0.37	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.43	0.43	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
75-09-2	Methylene chloride	130		ug/m ³	2.7	2.7	3.952	EPA TO-15	06/24/2014 14:35	06/25/2014 07:15	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.38	0.38	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.43	0.43	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
67-63-0	Isopropanol	4.6		ug/m ³	0.52	0.52	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.1	1.1	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
100-41-4	Ethyl Benzene	0.78		ug/m ³	0.46	0.46	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	0.76	0.76	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
110-82-7	Cyclohexane	0.54		ug/m ³	0.36	0.36	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.48	0.48	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.42	0.42	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
74-87-3	Chloromethane	ND		ug/m ³	0.22	0.22	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
67-66-3	Chloroform	ND		ug/m ³	0.51	0.51	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.28	0.28	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.17	0.17	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.33	0.33	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.41	0.41	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
75-25-2	Bromoform	ND		ug/m ³	1.1	1.1	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	0.65	0.65	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.55	0.55	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
71-43-2	Benzene	1.1		ug/m ³	0.34	0.34	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
67-64-1	Acetone	26		ug/m ³	0.25	0.25	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
591-78-6	* 2-Hexanone	1.2		ug/m ³	0.86	0.86	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
78-93-3	2-Butanone	2.5		ug/m ³	0.31	0.31	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.38	0.38	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.63	0.63	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.63	0.63	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.46	0.46	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
108-67-8	1,3,5-Trimethylbenzene	0.57		ug/m ³	0.52	0.52	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.74	0.74	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD



Sample Information

Client Sample ID: IA03

York Sample ID: 14F0745-03

York Project (SDG) No.
14F0745

Client Project ID
484 Greenwich St

Matrix
Indoor Ambient Air

Collection Date/Time
June 16, 2014 3:00 pm

Date Received
06/18/2014

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
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.49	0.49	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.43	0.43	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.63	0.63	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
95-63-6	1,2,4-Trimethylbenzene	1.5		ug/m ³	0.52	0.52	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.78	0.78	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.42	0.42	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.43	0.43	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.59	0.59	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.58	0.58	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.81	0.81	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.72	0.72	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.58	0.58	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
75-71-8	Dichlorodifluoromethane	1.6		ug/m ³	0.52	0.52	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.81	0.81	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	0.85	0.85	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.43	0.43	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.49	0.49	1.054	EPA TO-15	06/24/2014 14:35	06/24/2014 18:19	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	89.3 %	72-118								

Sample Information

Client Sample ID: OA04

York Sample ID: 14F0745-04

York Project (SDG) No.
14F0745

Client Project ID
484 Greenwich St

Matrix
Indoor Ambient Air

Collection Date/Time
June 16, 2014 3:00 pm

Date Received
06/18/2014

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/m ³	0.14	0.14	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.38	0.38	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	0.14	0.14	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.49	0.49	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.43	0.43	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
108-88-3	Toluene	16		ug/m ³	0.41	0.41	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.32	0.32	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
127-18-4	Tetrachloroethylene	0.88		ug/m ³	0.18	0.18	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD



Sample Information

Client Sample ID: OA04

York Sample ID: 14F0745-04

York Project (SDG) No.
14F0745

Client Project ID
484 Greenwich St

Matrix
Indoor Ambient Air

Collection Date/Time
June 16, 2014 3:00 pm

Date Received
06/18/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to		Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
					LOD/MDL	LOQ					
100-42-5	Styrene	ND		ug/m ³	0.46	0.46	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
115-07-1	* Propylene	ND		ug/m ³	0.19	0.19	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.53	0.53	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.93	0.93	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
95-47-6	o-Xylene	ND		ug/m ³	0.47	0.47	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
110-54-3	n-Hexane	18		ug/m ³	0.38	0.38	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.44	0.44	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
75-09-2	Methylene chloride	76		ug/m ³	0.75	0.75	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.39	0.39	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.44	0.44	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
67-63-0	Isopropanol	5.9		ug/m ³	0.53	0.53	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.1	1.1	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.47	0.47	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
141-78-6	* Ethyl acetate	5.5		ug/m ³	0.77	0.77	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.37	0.37	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.49	0.49	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.43	0.43	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
74-87-3	Chloromethane	ND		ug/m ³	0.22	0.22	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
67-66-3	Chloroform	ND		ug/m ³	0.52	0.52	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.28	0.28	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
56-23-5	Carbon tetrachloride	0.47		ug/m ³	0.17	0.17	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.33	0.33	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.42	0.42	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
75-25-2	Bromoform	ND		ug/m ³	1.1	1.1	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	0.67	0.67	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.56	0.56	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
71-43-2	Benzene	0.62		ug/m ³	0.34	0.34	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
67-64-1	Acetone	19		ug/m ³	0.26	0.26	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	0.88	0.88	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
78-93-3	2-Butanone	1.6		ug/m ³	0.32	0.32	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.39	0.39	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.65	0.65	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.65	0.65	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.47	0.47	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.53	0.53	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.75	0.75	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.50	0.50	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.44	0.44	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.65	0.65	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD



Sample Information

Client Sample ID: OA04

York Sample ID: 14F0745-04

York Project (SDG) No.
14F0745

Client Project ID
484 Greenwich St

Matrix
Indoor Ambient Air

Collection Date/Time
June 16, 2014 3:00 pm

Date Received
06/18/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to		Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
					LOD/MDL	LOQ					
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.53	0.53	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.80	0.80	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.43	0.43	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.44	0.44	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	2.4		ug/m ³	0.60	0.60	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.59	0.59	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.82	0.82	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.74	0.74	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.59	0.59	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
75-71-8	Dichlorodifluoromethane	1.6		ug/m ³	0.53	0.53	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.83	0.83	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	0.86	0.86	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.44	0.44	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.49	0.49	1.0752	EPA TO-15	06/24/2014 14:35	06/24/2014 20:25	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	90.0 %	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.

*	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.

YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record - AIR

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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. 14F0715

YOUR Information Company: <u>ALC Env'l</u> Address: <u>101 W 27th St</u> City: <u>NY</u> State: <u>NY</u> Zip: <u>10001</u> Phone No.: <u>212 675 5344</u> Contact Person: <u>Kyle Castro</u> E-Mail Address: <u>tanja@alcenv.com</u>		Report To: Company: <u>ALC Env'l</u> Address: _____ City: _____ State: _____ Zip: _____ Phone No.: _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>ALC Env'l</u> Address: _____ City: _____ State: _____ Zip: _____ Phone No.: _____ Attention: _____ E-Mail Address: _____		YOUR Project ID <u>484 Greenwch St</u> Purchase Order No. _____ Samples from: CT <u>NY</u> NJ <u>NY</u>		Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		Report Type/Deliverables Summary Report _____ Summary w/ QA Summary _____ CT RCP Package _____ NY ASP A Package _____ NY ASP B/CLP Pkg _____ NJDEP Reduced _____ Electronic Deliverables: _____ EDD (Specify Type) _____ Standard Excel _____ Regulatory Comparison Excel _____	
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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.		TO15 Volatiles and Other Gas Analyses EPA TO-15 List _____ NYSDEC VI list _____ NYSDEC STARS List _____ Project Specific List by TO-15 _____ NJDEP Target List _____ CTDEP RCP Target List _____		Detection Limits Required ≤ 1 ug/m ³ _____ NYSDEC VI Limits _____ (VI = vapor intrusion) NJDEP low level _____ Routine Survey _____ Other _____	
Air Matrix Codes AI - INDOOR Ambient Air AO - OUTDOOR Amb. Air AE - Vapor Extraction Well/ Process Gas/Effluent AS - SOIL Vapor/Sub-Slab		Canister Vacuum Before Sampling (in. Hg) _____		Canister Vacuum After Sampling (in. Hg) _____	
Samples Collected/Authorized By (Signature) <u>Sason Klein</u> Name (printed) _____		Choose Analyses Needed from the Menu Above and Enter Below <u>EPA TO-15</u>		Sampling Media 6 Liter Summa canister _____ Tedlar Bag _____ 6 Liter Summa canister _____ Tedlar Bag _____ 6 Liter Summa canister _____ Tedlar Bag _____ 6 Liter Summa canister _____ Tedlar Bag _____ 6 Liter Summa canister _____ Tedlar Bag _____ 6 Liter Summa canister _____ Tedlar Bag _____ 6 Liter Summa canister _____ Tedlar Bag _____ 6 Liter Summa canister _____ Tedlar Bag _____ 6 Liter Summa canister _____ Tedlar Bag _____	

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
SV01	6/16	AS	35	7	<u>EPA TO-15</u>	6 Liter Summa canister _____ Tedlar Bag _____
SV02	↓	AS	35	14		6 Liter Summa canister _____ Tedlar Bag _____
IA03	↓	AI	30	8		6 Liter Summa canister _____ Tedlar Bag _____
OA04	↓	AO	27	5		6 Liter Summa canister _____ Tedlar Bag _____
						6 Liter Summa canister _____ Tedlar Bag _____
						6 Liter Summa canister _____ Tedlar Bag _____
						6 Liter Summa canister _____ Tedlar Bag _____
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						6 Liter Summa canister _____ Tedlar Bag _____
						6 Liter Summa canister _____ Tedlar Bag _____

Comments	<u>6/16 1240</u>	<u>6/18/14</u>	<u>6/18/14</u>
	Samples Relinquished By _____	Samples Received By _____	Date/Time _____
	Samples Relinquished By _____	Samples Received in LAB by _____	Date/Time _____