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To: Christopher Allan
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From: Jason Hayes, Greg Wyka, Roswell Lo (Langan)

Info: J. Hare, M. Quigley, P. Kirby, T. Pfohl (Plaxall)
E. Knauer, M. Chertok (SPR)
S. Berninger (NYSDOH)

Date: February 19, 2025

Re: Pilot Study Results Memo
ABC Block 26
Long Island City, NY
BCP Site No. C241174
Langan Project No.: 170340203

Dear Mr. Allan:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C (Langan) presents this Pilot Study Results Memo for New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C241174 (ABC Block 26 or the site). The site is located at 5-25 46th Avenue in Long Island City, New York and is identified as Queens Tax Block 26, Lots 17 and 21. A site location map is provided as Figure 1.

As discussed with the NYSDEC and New York State Department of Health (NYSDOH) during a conference call on June 27, 2023, Langan completed a field pilot study that consisted of a light non-aqueous phase liquid (LNAPL) recovery event within two indoor spaces at the site to understand worst-case potential impacts to air quality from indoor recovery events without the use of mitigating measures. The pilot study results will be used to refine the scope of work for the forthcoming NAPL recovery Interim Remedial Measures Work Plans (IRMWP) for the site and the other two ABC BCP sites (ABC Block 25 [BCP Site No. C241173] and ABC Block 27 [BCP Site No. C241175]).

Technical Memorandum

Pilot Study Results Memo
ABC Block 26
BCP Site No. C241174
Langan Project No.: 170340203
February 19, 2025 - Page 2 of 8

SITE BACKGROUND

The ABC sites enrolled into the NYSDEC BCP in 2015. Remedial investigations (RI) and Supplemental Remedial Investigations (SRI) were performed on all three sites between August 2016 and February 2022. NAPL was identified on all three BCP sites during the RIs. On May 4, 2023, the NYSDEC approved Remedial Investigation Reports (RIR) for all three BCP sites. During a conference call on May 15, 2023, the NYSDEC agreed to a conceptual course of action to start addressing BCP requirements through IRMWPs, pending an anticipated environmental and land use review process for zoning changes affecting the BCP sites. This approach was chosen to enable the final remedy to occur in conjunction with future redevelopment of the sites pursuant to potential zoning changes. In October 2023, the Department of City Planning and Councilmember Julie Won announced the commencement of the Long Island City Neighborhood Plan, a City-led effort which proposes to rezone a 54 block area of Long Island City, including the three ABC BCP sites owned by the Participants.

During a subsequent meeting with the NYSDEC and NYSDOH, the agencies agreed that the scope of the IRMWPs at all three BCP sites will include an inspection and repair of the current cover systems and LNAPL recovery events. The NYSDEC and NYSDOH asked the Participant to conduct a pilot study on one of the BCP sites to evaluate whether product recovery events taking place within existing buildings would adversely impact indoor air at the sites before the IRMWPs are submitted.

Distinct sources of LNAPL were identified during the RIs at the ABC sites. Mineral spirits and diesel fuel related to the upgradient Paragon Paint and Varnish Corp. BCP site were identified in the eastern part of ABC Block 26. Residual/weathered LNAPL (without a clear hydrocarbon signature) related to historical on-site petroleum bulk storage was identified in defined areas at all three sites. Since both sources/types of LNAPL were observed at ABC Block 26, the NYSDEC and Langan agreed to utilize ABC Block 26 as the test site for the pilot study and apply the results to support development of the IRMWP scope for all three BCP sites. We utilized monitoring well C241174_MW30D (where the observed LNAPL is related to historical on-site petroleum bulk storage) and monitoring well C241174_MW34D (where the LNAPL is related to the Paragon Paint and Varnish Corp. BCP site) for the field pilot study.

Monitoring well C241174_MW30D is located inside a facility/shop for a custom architectural materials fabricator. At the time the pilot study was completed, monitoring well C241174_MW34D was located in a space that was a low-traffic area occupied by an artist, and the monitoring well was located inside a closet used to store paints/primers, adhesives, cleaning products, and other materials. Since the time that the tests were completed, the artist left the space which has since been re-leased to a high-traffic on-demand pickleball business that is open

Technical Memorandum

24 hours per day. The closet no longer exists, as interior partitions were removed to construct the pickleball courts, which are in constant usage.

PILOT STUDY IMPLEMENTATION

The pilot study was completed in accordance with the November 29, 2023 Pilot Study Work Plan prepared by Langan. The work plan was approved by the NYSDEC on January 24, 2024. The pilot study was completed across two separate field deployments (one field day each) to evaluate potential adverse impacts to indoor air during product recovery events. Each deployment occurred on weekends when the tenant spaces with the monitoring wells selected for the pilot study were unoccupied.

Baseline Indoor Air Sampling and Absorbent Sock Deployment

During the first field deployment, Langan completed a baseline air sampling event and subsequently installed two absorbent socks¹ at monitoring wells C241174_MW30D and C241174_MW34D.

Before installation of the absorbent socks, a baseline product/chemical inventory and NYSDOH indoor air quality questionnaire for each space (Appendix A), and a baseline indoor air and ambient air sampling event were completed. The sampling event was conducted after the inventory and questionnaire were completed. Before, during, and after the implementation of the baseline indoor air sampling event, a photoionization detector (PID) was used to periodically monitor volatile organic compounds (VOC) within the immediate area of the work zone. Two indoor (one for each monitoring well) and one ambient air sample were collected over a 2-hour sampling period into laboratory-supplied batch-certified clean 6-liter Summa[®] canisters with calibrated flow controllers and analyzed for VOCs via United States Environmental Protection Agency (USEPA) method TO-15, Select Ion Monitoring (SIM) to achieve lower reporting for select compounds.^{2,3} The indoor air samples were collected at a height above the ground that represents the breathing zone (about 3 to 5 feet) and placed adjacent to each monitoring well. The ambient air sample was collected from an outdoor, upwind location to the fresh air intake for the building to evaluate potential outdoor air interferences. Mechanical heating, ventilation, and air conditioning (HVAC) systems operated normally, and windows and/or doors were closed during the baseline air sampling.

Following collection of the baseline samples, the monitoring wells were gauged for LNAPL thickness and depth to groundwater and absorbent socks were deployed at each monitoring well.

¹ New Pig[®] hydrophobic monitoring well skimming sock (1.5" x 18")

² Analytical services protocol (ASP) Category B data packages were requested from the laboratory.

³ TO-15 SIM analysis was used to provide reporting limits of 0.20 micrograms per cubic meter or lower for trichloroethene, cis-1,2-dichloroethene, 1,1-dichloroethene, carbon tetrachloride, and vinyl chloride.

Technical Memorandum

The baseline air sampling locations are included on the Pilot Study Results Map (Figure 2). A sample summary is included as Table 1.

Indoor Air Sampling and LNAPL Recovery Event

One week after the first deployment, Langan returned to the site to change out the absorbent socks at monitoring wells C241174_MW30D and C241174_MW34D and collected indoor air and ambient air samples during the retrieval, change-out, and disposal process (a duration of approximately 20 minutes during the 2-hour sampling event).

The spent absorbent socks were collected from the monitoring wells and placed directly into a high-density polyethylene (HDPE) bucket with a lid, which was used to transfer the spent socks to a 55-gallon drum stored in a secured outdoor area at the adjoining ABC Block 27 site. Before the air monitoring event, a chemical inventory and NYSDOH indoor air quality questionnaire were completed. Before, during, and after the implementation of the LNAPL recovery indoor air sampling event, a PID was used to periodically monitor VOCs within the immediate area of the work zone. The sock change-out and disposal process occurred during the indoor air and ambient air sampling event. The indoor and ambient sampling locations were the same as the baseline samples and sampling methodology was consistent with the baseline event as described below. Mechanical HVAC systems operated normally, and windows and/or doors were closed during the air sampling. A sock change-out event and NYSDOH indoor air quality questionnaire and product/chemical inventory were completed for each space (Appendix A).

The air sampling event during the LNAPL recovery effort included the following steps:

1. The Summa[®] canister was positioned adjacent to the monitoring well at the same distance and height as recorded during the baseline sampling event
2. The flow controller was opened about 30 minutes before absorbent sock retrieval and change-out
3. At about the 30-minute mark, Langan:
 - a. opened the well cover and cap
 - b. retrieved the absorbent sock and placed it into a HDPE bucket with a lid
 - c. gauged the monitoring well for depth to LNAPL and/or water
 - d. attached string to a new absorbent sock and deployed the sock into the monitoring well
 - e. affixed string to well cap
 - f. closed and tightened the well cap and cover

Technical Memorandum

4. The spent absorbent sock was transferred from the HDPE bucket to the outdoor storage drum.
5. The vacuum pressure was continually monitored and the sampling period was stopped before or at about the 120-minute mark.
6. The sample canisters were delivered to the laboratory courier under standard chain of custody protocol for analysis of VOCs via USEPA method TO-15 SIM.

The sample location map is included as Figure 2. A sample summary is included as Table 1.

FIELD OBSERVATIONS AND ANALYTICAL RESULTS

The indoor and ambient air sampling logs are included as Appendix B. Tabulated analytical results from the baseline event and sock change-out events are presented in Table 2.

No analytes exceeded the NYSDOH AGVs except methylene chloride in the baseline and LNAPL recovery samples collected at well C241174_MW30D.

The analytical results from air samples collected at both wells (C241174_MW30D and C241174_MW34D) were also compared to mean indoor air concentrations from USEPA's Building Assessment Survey Evaluation (BASE) database.⁴ The study measured concentrations of VOCs in indoor and outdoor air at 100 randomly selected public and commercial office buildings across the United States. Fourteen, VOCs, including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 4-ethyltoluene, acetone, carbon disulfide, ethyl acetate, ethylbenzene, isopropanol, m,p-xylene, methyl ethyl ketone, methyl isobutyl ketone, methylene chloride, n-hexane, o-xylene (1,2-dimethylbenzene), and toluene exceeded the mean indoor air concentrations in the baseline and/or LNAPL recovery event samples across both sampling locations. Most of these VOCs were within the same order of magnitude as the BASE mean value; five VOCs, including acetone, ethyl acetate, methyl ethyl ketone, methylene chloride, and n-hexane were higher by one or two orders of magnitude.

The laboratory analytical data reports are provided in Appendix C. The data was validated in accordance with the standard protocols and a Data Usability Summary Report (DUSR) is provided in Appendix D. A photographic log of both baseline and sock change-out events are provided in Appendix E. Electronic Deliverable Documents (EDDs) were submitted to NYSDEC on April 23, 2024.

Monitoring well headspace PID readings, depth to product and depth to water readings were recorded at each well during baseline and sock change-out events and shown in the table below:

⁴ Appendix C, Table C.2 (NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 (as amended)).

Technical Memorandum

	Baseline				Sock Change-out			
	PID headspace reading	Depth to Product (ft bTOC)	Depth to water (ft bTOC)	Product Thickness (ft)	PID headspace reading	Depth to Product (ft bTOC)	Depth to water (ft bTOC)	Product Thickness (ft)
C241174_MW30D	310	11.82	13.65	1.83	399	NR	11.45	NR
C241174_MW34D	615	12.05	12.55	0.50	736	NR	12.00	NR
NR – Not recorded bTOC – Below top of well casing								

Petroleum-like odors were observed at each location when the wells were accessed. Tenant operations were paused for about one day leading up to the baseline event, and during the day of the sock change-out event.

CONCLUSIONS

The findings and conclusions of the pilot study are as follows:

- At sample location C241174_MW30D, the baseline indoor air sample exhibited higher concentrations of some VOCs than in the sample collected during the NAPL recovery event. Total VOCs without acetone in the baseline sample were 1,004.647 $\mu\text{g}/\text{m}^3$ while total VOCs without acetone in the LNAPL recovery event sample were 304.107 $\mu\text{g}/\text{m}^3$. Methylene chloride was detected above the NYSDOH AGV (air guidance value) of 60 $\mu\text{g}/\text{m}^3$ at C241174_MW30D both during the baseline sampling event (351 $\mu\text{g}/\text{m}^3$) and the LNAPL recovery event (159 $\mu\text{g}/\text{m}^3$). The indoor air quality sampling results and the detections of methylene chloride are attributed to tenant operations including light industrial manufacturing and fabrication. Methylene chloride was also detected in indoor air in this location during the Remedial Investigation (RI) and Supplemental Remedial Investigations (SRIs) and attributed to tenant operations. No other AGV exceedances were found.
- At sample location C241174_MW34D, the LNAPL recovery indoor air sample exhibited higher concentrations of some VOCs than detected in the sample collected during the baseline sampling event, suggesting a contribution of VOCs from the absorbent sock replacement activity. Total VOCs without acetone in the baseline sample were 96.563 $\mu\text{g}/\text{m}^3$ while total VOCs without acetone in the LNAPL recovery event sample were 283.65 $\mu\text{g}/\text{m}^3$. No AGV exceedances were found. The sample was collected inside of a closet (with no air flow aside from the opening and closing of the door).

Technical Memorandum

Pilot Study Results Memo
ABC Block 26
BCP Site No. C241174
Langan Project No.: 170340203
February 19, 2025 - Page 7 of 8

- Carbon disulfide, a byproduct of anaerobic biodegradation (a documented condition for the site), was only detected in the samples collected during the LNAPL recovery event at both locations. This observation confirms that there was no open pathway to the subsurface and groundwater table when the monitoring wells were closed.
- The completed pilot study attempted to assess worst-case scenario conditions. Langan recommends conducting a second iteration of the pilot study with a focus on evaluating indoor air quality during absorbent sock replacement activity efforts when best management practices are employed (i.e., opening exterior doors/windows and using air mover fans) to assess the effectiveness of these practices on mitigating impacts to indoor air quality. The new sampling locations will be chosen in building spaces to minimize potential exposures to tenants, visitors, and/or the public. The new pilot study would also involve the collection of additional baseline samples and post-replacement activity samples (next day or other interval) to determine if indoor air quality returns to baseline conditions.

Technical Memorandum

Pilot Study Results Memo
ABC Block 26
BCP Site No. C241174
Langan Project No.: 170340203
February 19, 2025 - Page 8 of 8

LIST OF FIGURES

Figure 1	Site Location Map
Figure 2	Pilot Study Locations and Results Map

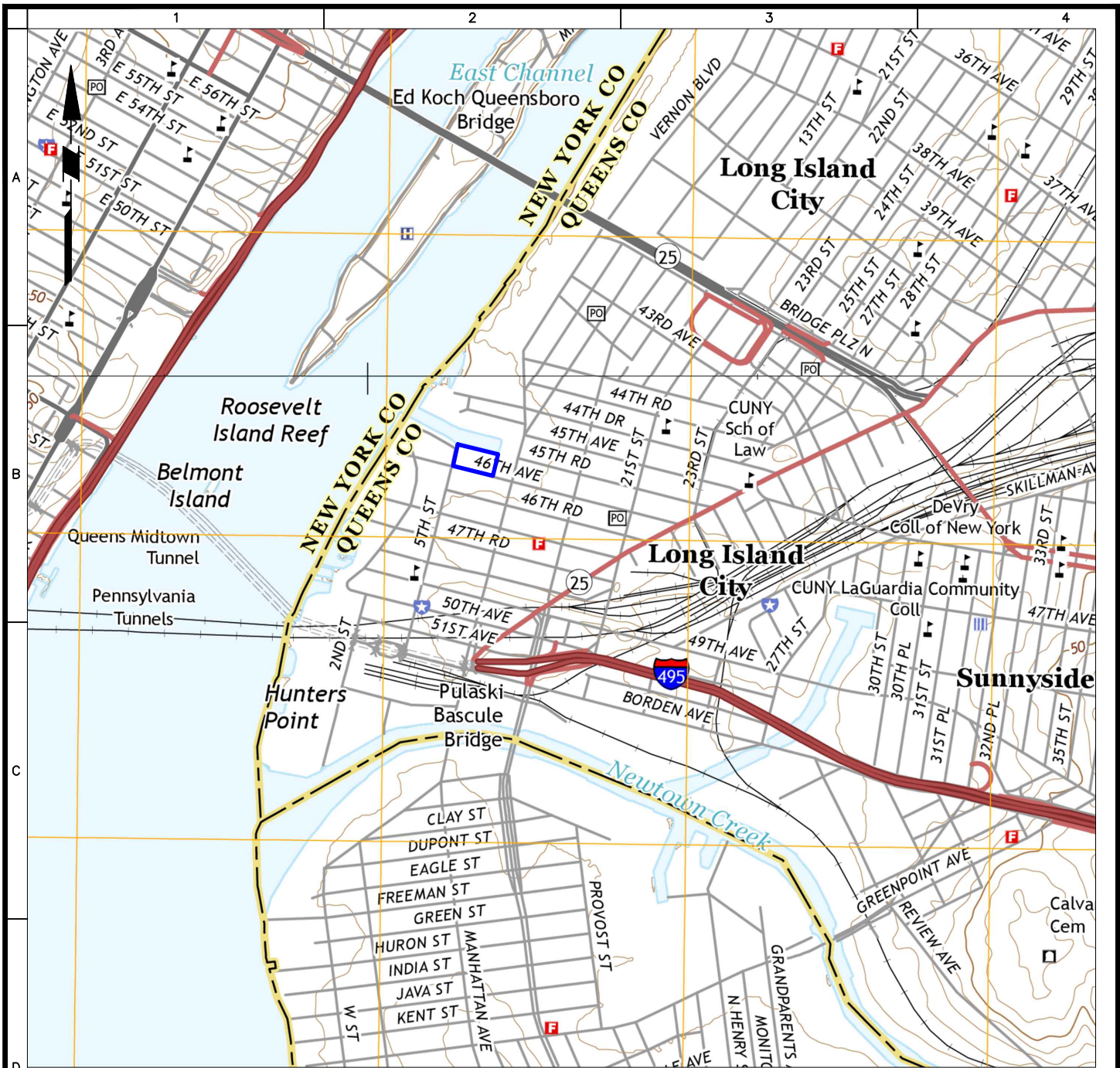
LIST OF TABLES

Table 1	Sample Summary
Table 2	Pilot Study Analytical Results

LIST OF APPENDICES

Appendix A	NYSDOH Indoor Air Quality Questionnaires and IAQ Inventory
Appendix B	Indoor and Ambient Air Sampling Logs
Appendix C	Laboratory Analytical Results
Appendix D	Data Usability Summary Report
Appendix E	Photographic Log

FIGURES



LEGEND



APPROXIMATE SITE BOUNDARY

SOURCE: UNITED STATES GEOLOGICAL SURVEY TOPOGRAPHIC MAP, BROOKLYN (2016) AND CENTRAL PARK (2016)

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

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Project

ABC - BLOCK 26

BLOCK No. 26, LOT Nos. 17 and 21

QUEENS

NEW YORK

Figure Title

**SITE LOCATION
MAP**

Project No.

170340203

Date

8/9/2023

Drawn By

ANN

Checked By

GW

Figure No.

1

LEGEND

- C241174_IA03 PILOT STUDY INDOOR AIR SAMPLE AND ID
- C241174_LB06 RI SOIL BORING LOCATION AND ID
- C241174_SB04 PREVIOUS SOIL BORING LOCATION AND ID (LANGAN APRIL 2015)
- C241174_LB03 PREVIOUS SOIL BORING LOCATION AND ID (LANGAN DECEMBER 2015)
- C241174_LB04D/MW04D PREVIOUS SOIL BORING/MONITORING LOCATION AND ID (LANGAN DECEMBER 2015)
S = SHALLOW - SCREEN ABOVE MEADOW MAT
D = DEEP - SCREEN BELOW MEADOW MAT
- C241174_LB06/MW06D RI SOIL BORING/MONITORING WELL (DEEP) LOCATION AND ID
- C241174_MW11S RI SOIL BORING/MONITORING WELL (SHALLOW) LOCATION AND ID
- C241174_SV01 RI SOIL VAPOR POINT LOCATION AND ID
- C241174_SSV03/IA03 RI SUB-SLAB SOIL VAPOR POINT/INDOOR AIR LOCATION AND ID
- C241174_AA01 RI AMBIENT AIR SAMPLE LOCATION AND ID
- APPROXIMATE BCP SITE BOUNDARY
- APPROXIMATE TAX LOT BOUNDARY
- APPROXIMATE EXTENT OF BULKHEAD ALONG SITE
- APPROXIMATE LOCATION OF HISTORICAL UNDERGROUND STORAGE TANK (UST) OR ABOVEGROUND STORAGE TANK (AST)
- APPROXIMATE EXTENT OF PARAGON LNAPL PRESENT IN MONITORING WELLS
- APPROXIMATE EXTENT OF OTHER LNAPL PRESENT IN MONITORING WELLS
- PILOT STUDY LOCATION

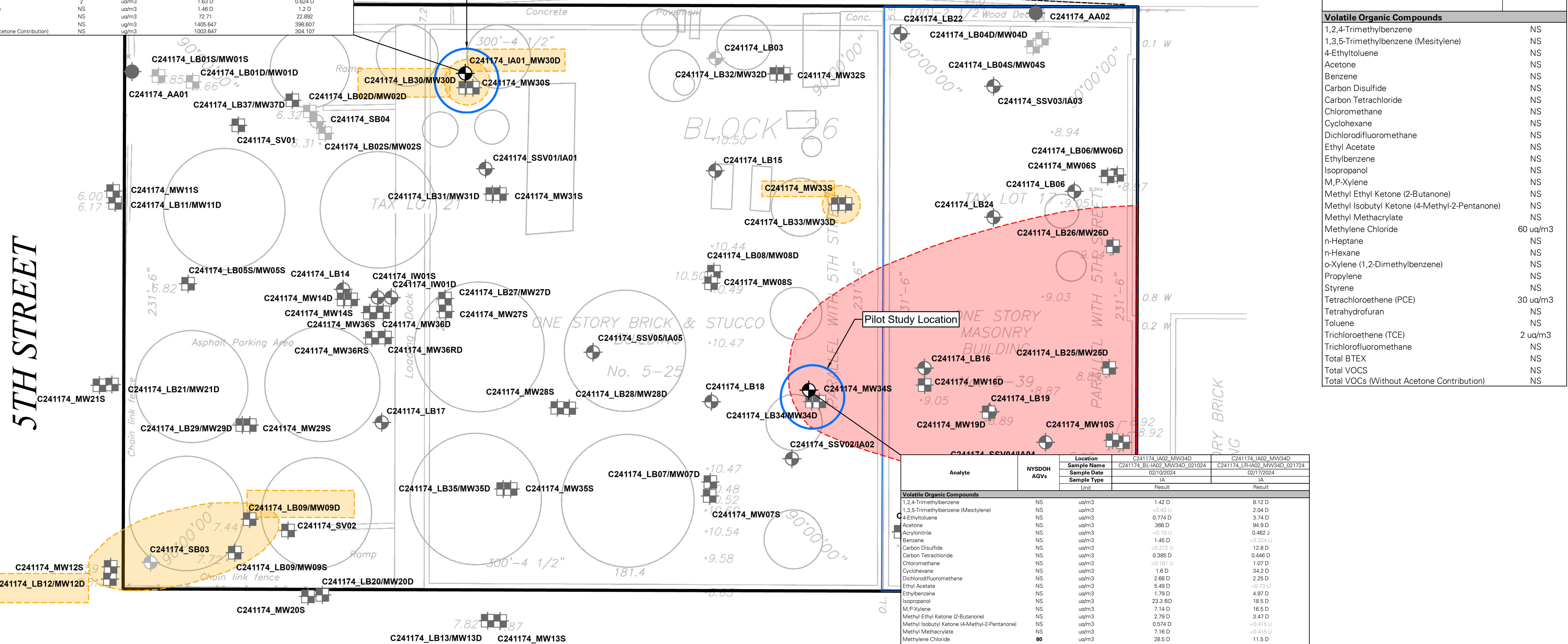
Analyte	NYSDOH AGVs	Location	
		Sample Name	Sample Date
Volatile Organic Compounds			
1,2,4-Trimethylbenzene	NS	u/m3	1.92 D
1,3,5-Trimethylbenzene (Mesitylene)	NS	u/m3	0.427 D
4-Ethyltoluene	NS	u/m3	1.41 D
Acetone	NS	u/m3	402 D
Benzene	NS	u/m3	1.53 D
Carbon Disulfide	NS	u/m3	<0.271 U
Carbon Tetrachloride	NS	u/m3	0.426 D
Chloromethane	NS	u/m3	1.53 D
Cyclohexane	NS	u/m3	1.88 D
Dichlorodifluoromethane	NS	u/m3	2.58 D
Ethyl Acetate	NS	u/m3	1.41 D
Ethylbenzene	NS	u/m3	4.68 D
Isopropanol	NS	u/m3	73.4 BD
M,P-Xylene	NS	u/m3	16.3 D
Methyl Ethyl Ketone (2-Butanone)	NS	u/m3	16.5 D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	u/m3	6.02 D
Methyl Methacrylate	NS	u/m3	291 D
Methylene Chloride	60	u/m3	351 D
n-Heptane	NS	u/m3	2.96 D
n-Hexane	NS	u/m3	8.99 D
o-Xylene (1,2-Dimethylbenzene)	NS	u/m3	4 D
Propylene	NS	u/m3	7.22 D
Styrene	NS	u/m3	1.33 D
Tetrachloroethene (PCE)	30	u/m3	1.41 D
Tetrahydrofuran	NS	u/m3	18.2 D
Toluene	NS	u/m3	46.2 D
Trichloroethene (TCE)	2	u/m3	1.63 D
Trichlorofluoromethane	NS	u/m3	1.46 D
Total BTEX	NS	u/m3	72.71
Total VOCs	NS	u/m3	1405.847
Total VOCs (Without Acetone Contribution)	NS	u/m3	1003.847

ANABLE BASIN

TIMBER BULKHEAD

5TH STREET

46TH AVENUE



Analyte	NYSDOH AGVs
Volatile Organic Compounds	
1,2,4-Trimethylbenzene	NS
1,3,5-Trimethylbenzene (Mesitylene)	NS
4-Ethyltoluene	NS
Acetone	NS
Benzene	NS
Carbon Disulfide	NS
Carbon Tetrachloride	NS
Chloromethane	NS
Cyclohexane	NS
Dichlorodifluoromethane	NS
Ethyl Acetate	NS
Ethylbenzene	NS
Isopropanol	NS
M,P-Xylene	NS
Methyl Ethyl Ketone (2-Butanone)	NS
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS
Methyl Methacrylate	NS
Methylene Chloride	60 uq/m3
n-Heptane	NS
n-Hexane	NS
o-Xylene (1,2-Dimethylbenzene)	NS
Propylene	NS
Styrene	NS
Tetrachloroethene (PCE)	30 uq/m3
Tetrahydrofuran	NS
Toluene	NS
Trichloroethene (TCE)	2 uq/m3
Trichlorofluoromethane	NS
Total BTEX	NS
Total VOCs	NS
Total VOCs (Without Acetone Contribution)	NS

GENERAL NOTES

- BASE MAP SOURCE: SURVEY BY ALBERT W. TAY DATED SEPTEMBER 6, 2012.
- ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND WERE OBTAINED FROM GROUND SURVEYS BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING AND LANDSCAPE ARCHITECTURE, D.P.C.
- HISTORICAL UST AND AST LOCATIONS ARE APPROXIMATE AND ARE BASED ON AVAILABLE SANBORN MAPS (1898, 1915, AND 1936) AND 2005 PHASE I ESA PREPARED BY FLEMING LEE SHUE, INC.
- LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID
- RI = REMEDIAL INVESTIGATION
- CVOCs = CHLORINATED VOLATILE ORGANIC COMPOUNDS

LANGAN

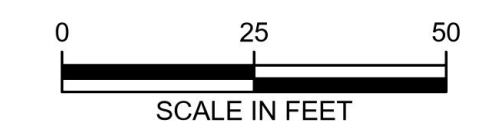
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Project
ABC - BLOCK 26
BLOCK No. 26, LOT No. 17 and 21
LONG ISLAND CITY
QUEENS NEW YORK

Figure Title
Pilot Study Results Map

Project No.	170340203	Figure	2
Date	8/9/2023		
Scale	1" = 25'		
Drawn By	MG		
Submission Date			

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



TABLES

**Table 1
Pilot Study Report Memo
Sample Summary**

**ABC Block 26
NYSDEC BCP Site No. C241174
Long Island City, New York
Langan Project No. 170340203**

INDOOR AIR SAMPLING - BASELINE						
No.	Sample Name	Sample Type	Sample Location	Date	Time	Analysis
1	C241174_BL-IA01_MW30D_021024	2-hour	BL-IA01	2/10/2024	15:39	TO-15 VOCs
2	C241174_BL-IA02_MW34D_021024		BL-IA02	2/10/2024	15:47	
3	C241174_AA01_021024		BL-AA01	2/10/2024	15:50	
INDOOR AIR SAMPLING - LNAPL RECOVERY						
4	C241174_LR-IA01_MW30D_021724	2-hour	LR-IA01	2/17/2024	16:23	TO-15 VOCs
5	C241174_LR-IA02_MW34D_021724		LR-IA02	2/17/2024	16:24	
6	C241174_AA02_021724		LR-AA02	2/17/2024	16:26	

Notes:
1. VOC = Volatile Organic Compound

Table 2
Pilot Study Analytical Results

ABC Block 26
Long Island City, New York
BCP Site No. C241174
Langan Project No.: 170340203

Analyte	CAS Number	NYSDOH AGVs	NYSDOH BASE Indoor Air Mean	Location	C241174_AA01		C241174_AA02		Baseline		LNAPL Recovery/Sock Replacement		Baseline		LNAPL Recovery/Sock Replacement	
					C241174_AA01_AA02		C241174_AA02_AA02		C241174_IA01_MW30D		C241174_IA01_MW30D		C241174_IA02_MW34D		C241174_IA02_MW34D	
					Sample Name		Sample Name		C241174_BL-IA01_MW30D_021024		C241174_LR-IA01_MW30D_021704		C241174_BL-IA02_MW34D_021024		C241174_LR-IA02_MW34D_021704	
					Sample Date		Sample Date		02/10/2024		02/17/2024		02/10/2024		02/17/2024	
					Sample Type		Sample Type		AA		AA		IA		IA	
				Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
Volatile Organic Compounds																
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	ug/m3	<0.515 U	<0.654 U	<0.597 U	<0.665 U	<0.601 U	<0.695 U						
1,1,1-Trichloroethane	71-55-6	NS	16.2	ug/m3	<0.409 U	<0.519 U	<0.474 U	<0.528 U	<0.477 U	<0.553 U						
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	ug/m3	<0.515 U	<0.654 U	<0.597 U	<0.665 U	<0.601 U	<0.695 U						
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	ug/m3	<0.575 U	<0.73 U	<0.666 U	<0.742 U	<0.671 U	<0.776 U						
1,1,2-Trichloroethane	79-00-5	NS	0.6	ug/m3	<0.409 U	<0.519 U	<0.474 U	<0.528 U	<0.477 U	<0.553 U						
1,1-Dichloroethane	75-34-3	NS	0.2	ug/m3	<0.304 U	<0.385 U	<0.352 U	<0.392 U	<0.354 U	<0.41 U						
1,1-Dichloroethene	75-35-4	NS	0.5	ug/m3	<0.149 U	<0.189 U	<0.172 U	<0.192 U	<0.173 U	<0.201 U						
1,2,4-Trichlorobenzene	120-82-1	NS	1.1	ug/m3	<1.11 U	<0.707 U	<1.29 U	<0.718 U	<1.3 U	<0.752 U						
1,2,4-Trimethylbenzene	95-63-6	NS	4.8	ug/m3	0.59 D	3.46 D	1.92 D	1.24 D	1.42 D	8.12 D						
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	0.6	ug/m3	<0.576 U	<0.731 U	<0.668 U	<0.744 U	<0.672 U	<0.778 U						
1,2-Dichlorobenzene	95-50-1	NS	0.6	ug/m3	<0.451 U	<0.572 U	<0.522 U	<0.582 U	<0.526 U	<0.609 U						
1,2-Dichloroethane	107-06-2	NS	0.9	ug/m3	<0.304 U	<0.385 U	<0.352 U	<0.392 U	<0.354 U	<0.41 U						
1,2-Dichloropropane	78-87-5	NS	0.6	ug/m3	<0.347 U	<0.44 U	<0.402 U	<0.447 U	<0.404 U	<0.468 U						
1,2-Dichlorotetrafluoroethane	76-14-2	NS	NS	ug/m3	<0.666 U	<0.866 U	<0.607 U	<0.677 U	<0.612 U	<0.708 U						
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NS	1.6	ug/m3	<0.369 U	0.796 D	0.427 D	0.476 D	<0.43 U	2.04 D						
1,3-Butadiene	106-99-0	NS	1.4	ug/m3	<0.498 U	<0.632 U	<0.577 U	<0.642 U	<0.581 U	<0.672 U						
1,3-Dichlorobenzene	541-73-1	NS	0.6	ug/m3	<0.451 U	<0.572 U	<0.522 U	<0.582 U	<0.526 U	<0.609 U						
1,3-Dichloropropane	142-28-9	NS	NS	ug/m3	<0.44 U	<0.44 U	<0.402 U	<0.447 U	<0.404 U	<0.468 U						
1,4-Dichlorobenzene	106-46-7	NS	3.1	ug/m3	<0.451 U	<0.572 U	<0.522 U	<0.582 U	<0.526 U	<0.609 U						
1,4-Dioxane (P-Dioxane)	123-91-1	NS	NS	ug/m3	<0.54 U	<0.686 U	<0.626 U	<0.698 U	<0.631 U	<0.73 U						
2-Hexanone (MBK)	591-78-6	NS	NS	ug/m3	1.14 D	<0.78 U	<0.712 U	<0.793 U	<0.717 U	<0.83 U						
4-Ethyltoluene	622-96-8	NS	1.7	ug/m3	0.369 D	0.936 D	1.41 D	0.714 D	0.774 D	3.74 D						
Acetone	67-64-1	NS	54	ug/m3	10.3 D	17.2 D	402 D	94.5 D	366 D	94.9 D						
Acrylonitrile	107-13-1	NS	NS	ug/m3	<0.163 U	2.36 BD	<0.189 U	<0.336 U	<0.19 U	0.462 J						
Allyl Chloride (3-Chloropropene)	107-05-1	NS	NS	ug/m3	<1.17 U	<1.49 U	<1.36 U	<1.51 U	<1.37 U	<1.59 U						
Benzene	71-43-2	NS	4.5	ug/m3	1.03 D	0.639 D	1.53 D	0.711 D	1.45 D	<0.324 U						
Benzyl Chloride	100-44-7	NS	1.2	ug/m3	<0.493 U	<0.388 U	<0.45 U	<0.501 U	<0.453 U	<0.524 U						
Bromodichloromethane	75-27-4	NS	NS	ug/m3	<0.502 U	<0.638 U	<0.582 U	<0.649 U	<0.586 U	<0.679 U						
Bromoethene	593-60-2	NS	NS	ug/m3	<0.328 U	<0.416 U	<0.38 U	<0.423 U	<0.383 U	<0.443 U						
Bromoform	75-25-2	NS	NS	ug/m3	<0.775 U	<0.984 U	<0.898 U	<1 U	<0.904 U	<1.05 U						
Bromomethane	74-83-9	NS	0.6	ug/m3	<0.291 U	<0.37 U	<0.337 U	<0.376 U	<0.34 U	<0.393 U						
Carbon Disulfide	75-15-0	NS	1.9	ug/m3	<0.234 U	25.6 D	<0.271 U	3.38 D	<0.272 U	12.8 D						
Carbon Tetrachloride	56-23-5	NS	0.5	ug/m3	<0.118 U	0.479 D	<0.137 U	0.426 D	0.385 D	0.446 D						
Chlorobenzene	108-90-7	NS	0.4	ug/m3	<0.345 U	<0.438 U	<0.4 U	<0.446 U	<0.403 U	<0.466 U						
Chloroethane	75-00-3	NS	1.1	ug/m3	<0.198 U	<0.251 U	<0.229 U	<0.255 U	<0.231 U	<0.267 U						
Chloroform	67-66-3	NS	0.5	ug/m3	<0.366 U	<0.465 U	<0.424 U	<0.473 U	<0.427 U	<0.495 U						
Chloromethane	74-87-3	NS	2.9	ug/m3	1.16 D	2.02 D	1.53 D	0.999 D	<0.181 U	1.07 D						
Cis-1,2-Dichloroethene	156-59-2	NS	0.6	ug/m3	<0.149 U	<0.189 U	<0.172 U	<0.192 U	<0.173 U	<0.201 U						
Cis-1,3-Dichloropropene	10061-01-5	NS	0.9	ug/m3	<0.34 U	<0.432 U	<0.394 U	<0.439 U	<0.397 U	<0.46 U						
Cyclohexane	110-82-7	NS	NS	ug/m3	0.361 D	<0.328 U	1.88 D	0.833 D	1.6 D	34.2 D						
Dibromochloromethane	124-48-1	NS	NS	ug/m3	<0.639 U	<0.811 U	<0.74 U	<0.825 U	<0.745 U	<0.863 U						
Dichlorodifluoromethane	75-71-8	NS	13.8	ug/m3	2.34 D	2.21 D	2.58 D	2.01 D	2.68 D	2.25 D						
Ethyl Acetate	141-78-6	NS	3	ug/m3	0.54 D	<0.686 U	141 D	5.37 D	5.49 D	<0.73 U						
Ethylbenzene	100-41-4	NS	2.8	ug/m3	0.391 D	0.455 D	4.68 D	0.841 D	1.79 D	4.97 D						
Hexachlorobutadiene	87-68-3	NS	1.5	ug/m3	<0.8 U	<1.02 U	<0.927 U	<1.03 U	<0.933 U	<1.08 U						
Isopropanol	67-63-0	NS	73.1	ug/m3	4.44 J	3.09 D	73.4 BD	13.6 D	23.3 BD	18.5 D						
M,P-Xylene	179601-23-1	NS	10.8	ug/m3	1.07 D	1.98 D	16.3 D	3.53 D	7.14 D	16.5 D						
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	6.2	ug/m3	2.15 D	5.22 D	16.5 D	10.8 D	2.79 D	3.47 D						
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	3.1	ug/m3	<0.307 U	0.429 D	6.02 D	0.833 D	0.574 D	<0.415 U						
Methyl Methacrylate	80-62-6	NS	NS	ug/m3	<0.307 U	<0.39 U	291 D	60 D	7.16 D	<0.415 U						
Methylene Chloride	75-09-2	60	21.2	ug/m3	0.651 D	1.69 D	351 D	159 D	28.5 D	11.5 D						
Naphthalene	91-20-3	NS	6.6	ug/m3	<0.786 UJ	<0.998 U	<0.911 UJ	<1.01 U	<0.917 UJ	<1.06 U						
n-Heptane	142-82-5	NS	NS	ug/m3	<0.307 U	<0.39 U	2.96 D	4.72 D	<0.359 U	89.9 D						
n-Hexane	110-54-3	NS	6.3	ug/m3	0.978 D	0.403 D	8.06 D	4.23 D	1.7 D	51.5 D						
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	3.8	ug/m3	0.488 D	1.36 D	4 D	1.01 D	1.63 D	5.85 D						
Propylene	115-07-1	NS	NS	ug/m3	<0.129 U	<0.164 U	7.22 D	<0.167 U	<0.151 U	<0.174 U						
Styrene	100-42-5	NS	1.5	ug/m3	<0.319 U	<0.406 U	1.33 D	<0.373 U	<0.373 U	0.432 D						
Tert-Butyl Methyl Ether	1634-04-4	NS	3.3	ug/m3	<0.27 U	<0.343 U	<0.313 U	<0.349 U	<0.315 U	<0.365 U						
Tetrachloroethene (PCE)	127-18-4	30	6	ug/m3	0.56 D	<0.646 U	1.41 D	<0.657 U	<0.593 U	<0.687 U						
Tetrahydrofuran	109-99-9	NS	NS	ug/m3	<0.442 U	<0.562 U	18.2 D	10.1 D	<0.516 U	<0.598 U						
Toluene	108-88-3	NS	25.1	ug/m3	1.89 D	1.72 D	46.2 D	16.8 D	8.18 D	14.7 D						
Total Xylenes	1330-20-7	NS	NS	ug/m3	1.56 D	3.35 D	20.3 D	4.54 D	8.78 D	22.3 D						
Trans-1,2-Dichloroethene	156-60-5	NS	NS	ug/m3	<0.297 U	<0.377 U	<0.345 U	<0.384 U	<0.347 U	<0.402 U						
Trans-1,3-Dichloropropene	10061-02-6	NS	0.5	ug/m3	<0.34 U	<0.432 U	<0.394 U	<0.439 U	<0.397 U	<0.46 U						
Trichloroethene (TCE)	79-01-6	2	2.6	ug/m3	<0.101 U	<0.128 U	1.63 D	0.624 D	<0.118 U	<0.136 U						
Trichlorofluoromethane	75-69-4	NS	19.4	ug/m3	1.22 D	1.28 D	1.46 D	1.2 D	<0.492 U	1.2 D						
Vinyl Acetate	108-05-4	NS	NS	ug/m3	<0.264 U	<0.335 U	<0.306 U	<0.341 U	<0.308 U	<0.357 U						
Vinyl Chloride	75-01-4	NS	0.5	ug/m3	<0.0959 U	<0.122 U	<0.111 U	<0.124 U	<0.112 U	<0.129 U						

ABC Block 26
Long Island City, New York
BCP Site No. C241174
Langan Project No.: 170340203

Notes:

AA - Ambient Air

IA - Indoor Air

CAS - Chemical Abstract Service

NS - No standard

ug/m3 - microgram per cubic meter

NA - Not analyzed

RL - Reporting limit

<RL - Not detected

Indoor air sample analytical results are compared to the New York State Department of Health (NYSDOH) Air Guideline Values (AGVs) as set forth in the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York and subsequent updates (through to 2017).

Indoor air sample analytical results are compared to the mean concentrations for indoor air as shown in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York, Appendix C, Table C.2 EPA 2001 Building Assessment and Survey Evaluation (BASE) Database.

Ambient air sample analytical results are shown for reference only.

Qualifiers:

D - The concentration reported is a result of a diluted sample.

B - The analyte was found in the associated analysis batch blank.

J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

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

U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:

10 - Result exceeds NYSDOH AGVs

10 - Result exceeds NYSDOH BASE Mean

APPENDIX A
NYSDOH QUESTIONNAIRES AND IAQ INVENTORY

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

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

Preparer's Name Camille Quick Date/Time Prepared 2/10/2024 - 13:20

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

Purpose of Investigation ABC Block 26 Pilot Study

1. OCCUPANT:

Interviewed: Y / N

Last Name: Wheeler First Name: Edjo

Address: 5-25 46th Ave, Long Island City, New York

County: Queens County

Home Phone: _____ Office Phone: 917 287 3093

Number of Occupants/persons at this location 10 Age of Occupants 20-50 years

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

Interviewed: Y (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

Commercial/Multi-use
Other: _____

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

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

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) manufacturing

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

Other characteristics:

Number of floors 1 Building age _____

Is the building insulated? Y N How air tight? Tight Average Not Tight

4. AIRFLOW

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

Airflow between floors

NA, Single Story Structure

Airflow near source

NA

Outdoor air infiltration

Infiltration through southern wall

Infiltration into air ducts

NA

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

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

Basement/Lowest level depth below grade: _____(feet)

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

NA

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

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

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

The primary type of fuel used is:

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

Domestic hot water tank fueled by: electric and natural gas

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y N

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

Forced air supply ductwork There is no return to the outdoors for recirculation.

7. OCCUPANCY

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

Level General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)

Basement	<u>NA</u>
1 st Floor	<u>wood workshop</u>
2 nd Floor	<u>NA</u>
3 rd Floor	<u>NA</u>
4 th Floor	<u>NA</u>

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

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

- j. Has painting/staining been done in the last 6 months? Y N Where & When? woodshop
- k. Is there new carpet, drapes or other textiles? Y N Where & When? _____
- l. Have air fresheners been used recently? Y N When & Type? _____
- m. Is there a kitchen exhaust fan? Y N If yes, where vented? _____
- n. Is there a bathroom exhaust fan? Y N If yes, where vented? on ceilings
- o. Is there a clothes dryer? Y N If yes, is it vented outside? Y / N
- p. Has there been a pesticide application? Y N When & Type? _____

Are there odors in the building? Y N
 If yes, please describe: spray paint

Do any of the building occupants use solvents at work? Y N
 (e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? paint thinner, spray paint

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

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

- Yes, use dry-cleaning regularly (weekly) No
- Yes, use dry-cleaning infrequently (monthly or less) Unknown
- Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

- Water Supply:** Public Water Drilled Well Driven Well Dug Well Other: _____
- Sewage Disposal:** Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

- a. Provide reasons why relocation is recommended: _____
- b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel
- c. Responsibility for costs associated with reimbursement explained? Y / N
- d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

No Basement

First Floor:

See Sample Location Plan

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

See Sample Location Plan

**Indoor Air Quality Investigation
Pre-Inspection Product Inventory**

Site Name: ABC Block 26 - MW30D

Langan Project No.: 170340203

Site Location: Long Island City, NY

Date: 02/10/2024

Make and model of field instrument used: MiniRAE 3000

Location	Product Description	Size (units)	Condition*	Chemical Ingredients/Cas number	Field Instrument Reading (ppm)	Photo Y/N
MW30D	Metaflox - Anti Seize Lubricant Spray (x1)	13.5 oz	U	Butane, Propane, Pentane, Hydrocarbons, Carbon, Isobutane, Aluminum, Propylene Carbonate, n-Hexane, Cyclohexane, Chromium, Phosphorodithioic Acid	0.0	Y
MW30D	Rust Free - Rust & Stain Remover (x1)	8 oz	U	Phosphoric acid, Isopropanol, C12-13 Parath-15	0.0	Y
MW30D	Titebond - Wood Adhesive (x1)	8 oz	U	"Non-hazardous"	0.0	Y
MW30D	Titebond - Wood Adhesive (x9)	16 oz	U	"Non-hazardous"	1.0	Y
MW30D	Titebond - Wood Adhesive (x11)	1 gal	(x5 U) (x6 UO)	"Non-hazardous"	2.0	Y
MW30D	T-9 - Waterproof Lubricant (x1)	4 oz	U	C13-14 Isoparaffin, C9-11 Alkane/Cycloalkane, Hydro-treated Heavy Naphthenic Distillate Solvent Extract, Petroleum, Carbon Dioxide, Sodium Petroleum Sulfonate, Sorbitan Tristerate	0.0	Y
MW30D	Klean Strip - Denatured Alcohol (x2)	1 gal	U	Ethyl alcohol, Methanol	0.0	Y
MW30D	Fornica 200 - Spray Adhesive (x2)	38 lb	U	Methylene Chloride, Liquefied Petroleum Gas	0.0	Y
MW30D	ProMar 200 - Interior Latex (x2)	4.6 gal	U	Titanium Dioxide	0.0	Y
MW30D	Uline Tuff Wipes - Disinfectant Wipes (x1)	75 ct	U	Water, Butyl-3-Hydroxybutyrate, Ethoxylated C11 Alcohols, Glycerol, Ethoxylated Lauryl Alcohol, Ethoxylated Coco Ammonium Chloride, Lauryl Dimethyl Amine Oxide, 2-methyl-2H-isothiazol-3-one, 1,2-benzisothiazol-3(2H)-one, 5-chloro-2-methyl-2H-isothiazol-3-one	0.0	Y
MW30D	Goo Gone - Adhesive Remover (x1)	16 oz	U	Petroleum Distillates, Hydro-treated Light, D-Limonene, Orange Sweet Extract	0.0	Y

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

**Indoor Air Quality Investigation
Pre-Inspection Product Inventory**

MW30D	Blaster - Silicone Lubricant Spray (x2)	11 oz	U	Alkanes, Petroleum Distillates, Hydrated Light, Carbon Dioxide	0.0	Y
MW30D	WD-40 - Lubricant (x2)	11 oz	U	LVP Aliphatic Hydrocarbon, Petroleum Base Oil, Carbon Dioxide	0.0	Y
MW30D	Irwin - Marking Chalk (x1)	8 oz	U	Calcium Carbonate, Crystalline Silica	0.0	Y
MW30D	Benzomatic - Propane Canister (x1)	14.1 oz	U	Propane, Propylene, Ethane, Butane, Ethyl Mercaptan	0.0	Y
MW30D	KD Edge Paint	NA	U	NA	0.0	Y
MW30D	Hercules Purple PVC Primer (x1)	8 oz	U	Tetrahydrofuran, Methyl Ethyl Ketone, Cyclohexanone, Acetone	0.0	Y
MW30D	Oatey PVC Medium Clear PVC Cement (x1)	8 oz	U	Furan, Tetrahydro-, Acetone, Methyl Ethyl Ketone, Ethene, Chloro-, Homopolymer, Polyvinyl Chloride, Cyclohexanone, Furned Silica	0.0	Y
MW30D	Renolt Syn 940 - Synthetic Grease (x1)	400 g	U	Zinc Oxide, Boric Acid, Potassium Salt, Mineral Oil, Glycerin	0.0	Y
MW30D	UnibondOne - Adhesive (x1)	1 qt	U	NA	0.0	Y
MW30D	Bostik - Lubricant Aerosol (x1)	5.5 oz	U	Acetone, 1,1-Difluoroethane, 2,2,4-Trimethylpentane, Naphtha, Light Alkylate, 1-Decene, Ethylbenzene, Tricresyl Phosphate	0.0	Y
MW30D	3-in-one Multi-Purpose Oil - Lubricant (x1)	8 oz	U	Severely Hydroreated Heavy Naphthenic Oil, Naphtha	0.0	Y
MW30D	Gojo - Hand Cleaner (x1)	1 gal	U	1-Methyl 4-(1-Methylethenyl) Cyclohexene, Alcohols, C12-15, Ethoxylated Propoxylated	0.3	Y
MW30D	Uline - Degreaser (x2)	32 oz	U	Cyclohexene, Propane, Alkanes - C12-14iso	0.3	Y
MW30D	Eyesaline - Eyewash (x2)	32 oz	(x1 U) (x1 UO)	"Non-hazardous"	0.3	Y

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

**Indoor Air Quality Investigation
Pre-Inspection Product Inventory**

MMW30D	Simple Green - Degreaser (x2)	1 gal	U	Water, Surfactant, C9-11 Alcohols Ethoxylated, Tetrasodium Gluamate Diacetate, Sodium Bicarbonate, Hydrochloric Acid, Fragrances, Blend of Polyoxaalkylene Substituted Chromophores (Cyan and Yellow), Anethole, Eucalyptol, Methylchloroisothiazolinone, Methylisothiazolinone	0.3	Y
MMW30D	Krud Kutter - Degreaser (x1)	1 gal	U	Disodium Metasilicate Pentahydrate, Ethoxylated Alcohols	0.3	Y
MMW30D	Honeywell Hydrogen Peroxide - First Aid Antiseptic (x1)	16 oz	UO	Hydrogen Peroxide	0.3	Y
MMW30D	Krylon Colormaxx - Spray Paint (x30+)	16 oz	U	Methyl Acetate, Propane, Toluene, Butane, Lt. Aliphatic Hydrocarbon Solvent, Hexane, Xylene Mixed Isomers, 2-Methylpentane, 3-Methylpentane, 2,3-Dimethylbutane, Methyl Ethyl Ketoxime, Ethylbenzene, Light Aliphatic Hydrocarbon	1.2	Y
MMW30D	Krylon - Spray Adhesive (x30+)	11 oz	U	Methyl Acetate, Propane, Butane, Heptane, p-Chlorobenzotrifluoride	0.0	Y
MMW30D	Kimball Midwest Cat Iron Coat - Spray Paint (x30+)	16 oz	U	Acetone, Propane, Toluene, n-Butane, VM&P Naphtha, Barium Sulfate, Xylene, PM Acetate	1.2	Y
MMW30D	Rust-oleum - Metallic Paint (x30+)	1 qt	U	Dimethyl Ether, Ethylene Glycol Monobutyl, 2-Propanol, n-Butane, Titanium Dioxide	1.2	Y
MMW30D	Rust-oleum - Filler Primer (x30+)	15 oz	U	Acetone, Propane, Hydrous Magnesium Silicate, n-Butyl Acetate, n-Butane, Xylenes (o-, m-, p- Isomers), Titanium Dioxide, Ethylbenzene, Zinc Phosphate, Zinc Oxide	1.2	Y
MMW30D	Rust-oleum - Ultra Cover Paint (x30+)	1 gal	U	Propane, Naphtha, Hydrotreated Light, Hydrous Magnesium Silicate, n-Butane, Titanium Dioxide, Xylene (mixed isomers), Hydrotreated Light Distillate, n-Butyl Acetate, Acetone, Barium Sulfate, Ethylbenzene, Zinc Phosphate, Methyl Ethyl Ketoxime	1.2	Y

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

**Indoor Air Quality Investigation
Pre-Inspection Product Inventory**

MMW30D	Benjamin Moore - Regal Classic Paint (x5+)	1 gal	U	Titanium Dioxide, Zinc Oxide, Crystalline Silica, Diatomaceous Earth	1.2	Y
MMW30D	Benjamin Moore - Regal Classic Paint (x5+)	5 gal	U	Titanium Dioxide, Zinc Oxide, Crystalline Silica, Diatomaceous Earth	1.2	Y
MMW30D	Walgreens 70% Isopropyl Alcohol - First Aid Antiseptic (x1)	16 oz	U	Isopropyl Alcohol	1.2	Y
MMW30D	Walgreens 91% Isopropyl Alcohol - First Aid Antiseptic (x1)	32 oz	UO	Isopropyl Alcohol	1.2	Y
MMW30D	Minwax - Polyurethane (x1)	1 qt	U	Light Aliphatic Hydrocarbon, Zirconium 2-Ethylhexanoate, Methyl Ethyl Ketoxime, Dibutyltin Dichloride	1.2	Y
MMW30D	Armor All - Car Cleaner (x1)	28 oz	U	Mineral Oil	0.3	Y
MMW30D	Prestone - Antifreeze Coolant (x1)	32 oz	U	Ethylene Glycol 2-Ethyl Hexanoic Acid, Neodecanoic Acid, Diethylene Glycol	0.3	Y
MMW30D	Latex-ite Ice and Snow Melt - De-Icer (x2)	30 lb	(x1 U) (x1 UO)	Sodium Chloride, Calcium Chloride, Magnesium Chloride, CMA	0.3	Y
MMW30D	Meguiars - Tire Coating (x4)	15 oz	U	Petroleum Distillate	0.3	Y
MMW30D	Fix-A-Flat - Tire Sealer (x1)	20 oz	U	Glycerol, (1E)-1,3,3,3-Tetrafluoro-1-propene	0.3	Y
MMW30D	Mohawk Ultra Penetrating NGR DYE Stain - Wood Stain (x1)	1 qt	U	Acetone, Ethanol	0.0	Y
MMW30D	Ingersoll Rand - Compressor Coolant (x1)	10 oz	U	Polypropylene Glycol, Pentaerythritol Ester, Alkylated Diphenylamine, Barium Dinony	0.0	Y
MMW30D	WAHL Hair Clipper Blade Oil - Lubricant (x1)	4.6 oz	U	White Mineral Oil	0.0	Y

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

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

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

Preparer's Name Roswell Lo Date/Time Prepared 2/17/2024

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

Purpose of Investigation ABC Block 26 Pilot Study

1. OCCUPANT:

Interviewed: Y / N

Last Name: Wheeler First Name: Edjo

Address: 5-25 46th Ave, Long Island City, New York

County: Queens County

Home Phone: _____ Office Phone: 917 287 3093

Number of Occupants/persons at this location 10 Age of Occupants 20-50 years

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

Interviewed: Y (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

Commercial/Multi-use
Other: _____

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

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

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) manufacturing _____

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

Other characteristics:

Number of floors 1 Building age _____

Is the building insulated? Y (N) How air tight? Tight (Average) / Not Tight

4. AIRFLOW

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

Airflow between floors

NA, Single Story Structure

Airflow near source

NA

Outdoor air infiltration

Infiltration through southern wall

Infiltration into air ducts

NA

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

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

Basement/Lowest level depth below grade: _____(feet)

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

Crack in floor

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

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

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

The primary type of fuel used is:

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

Domestic hot water tank fueled by: electric and natural gas

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y N

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

Forced air supply ductwork There is no return to the outdoors for recirculation.

7. OCCUPANCY

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

Level General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)

Basement	<u>NA</u>
1 st Floor	<u>wood workshop</u>
2 nd Floor	<u>NA</u>
3 rd Floor	<u>NA</u>
4 th Floor	<u>NA</u>

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

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

j. Has painting/staining been done in the last 6 months? Y N Where & When? woodshop

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

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

m. Is there a kitchen exhaust fan? Y N If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y N If yes, where vented? on ceilings

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

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

Are there odors in the building? Y N
If yes, please describe: spray paint

Do any of the building occupants use solvents at work? Y N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? paint thinner, spray paint

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

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

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

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

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

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

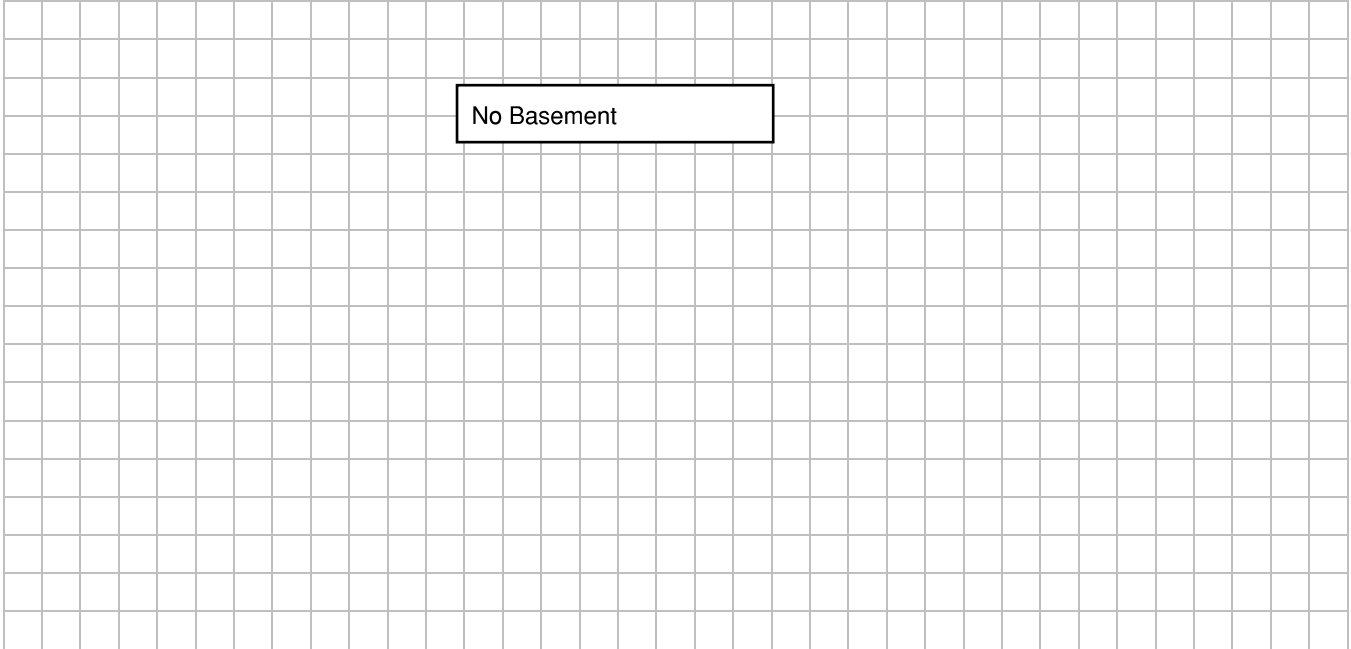
c. Responsibility for costs associated with reimbursement explained? Y / N

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

11. FLOOR PLANS

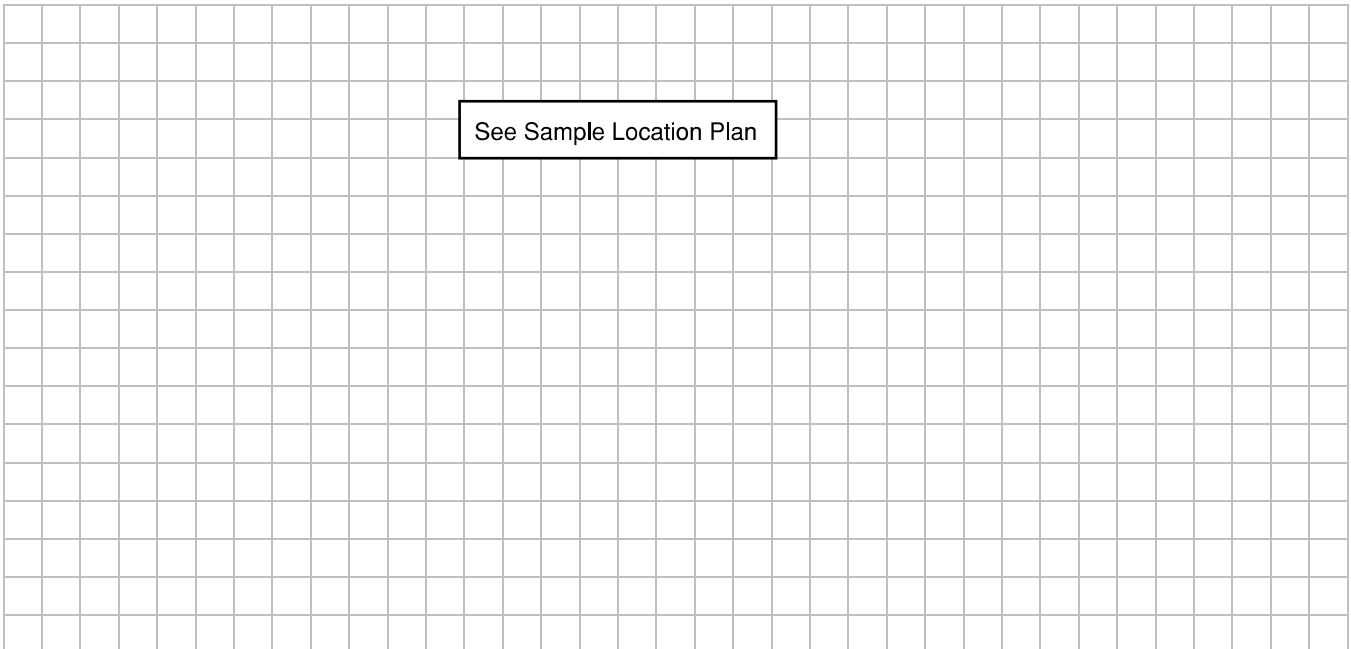
Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



No Basement

First Floor:



See Sample Location Plan

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

See Sample Location Plan

**Indoor Air Quality Investigation
Pre-Inspection Product Inventory**

Site Name: ABC Block 26 - MW30D

Langan Project No.: 170340203

Site Location: Long Island City, NY

Date: 02/17/2024

Make and model of field instrument used: MiniRAE 3000

Location	Product Description	Size (units)	Condition*	Chemical Ingredients/Cas number	Field Instrument Reading (ppm)	Photo Y/N
MW30D	Metaflox - Anti Seize Lubricant Spray (x1)	13.5 oz	U	Butane, Propane, Pentane, Hydrocarbons, Carbon, Isobutane, Aluminum, Propylene Carbonate, n-Hexane, Cyclohexane, Chromium, Phosphorodithioic Acid	0.0	Y
MW30D	Rust Free - Rust & Stain Remover (x1)	8 oz	U	Phosphoric acid, Isopropanol, C12-13 Parath-15	0.0	Y
MW30D	Titebond - Wood Adhesive (x1)	8 oz	U	"Non-hazardous"	0.0	Y
MW30D	Titebond - Wood Adhesive (x9)	16 oz	U	"Non-hazardous"	1.0	Y
MW30D	Titebond - Wood Adhesive (x11)	1 gal	(x5 U) (x6 UO)	"Non-hazardous"	2.0	Y
MW30D	T-9 - Waterproof Lubricant (x1)	4 oz	U	C13-14 Isoparaffin, C9-11 Alkane/Cycloalkane, Hydro-treated Heavy Naphthenic Distillate Solvent Extract, Petroleum, Carbon Dioxide, Sodium Petroleum Sulfonate, Sorbitan Tristerate	0.0	Y
MW30D	Klean Strip - Denatured Alcohol (x2)	1 gal	U	Ethyl alcohol, Methanol	0.0	Y
MW30D	Fornica 200 - Spray Adhesive (x2)	38 lb	U	Methylene Chloride, Liquefied Petroleum Gas	0.0	Y
MW30D	ProMar 200 - Interior Latex (x2)	4.6 gal	U	Titanium Dioxide	0.0	Y
MW30D	Uline Tuff Wipes - Disinfectant Wipes (x1)	75 ct	U	Water, Butyl-3-Hydroxybutyrate, Ethoxylated C11 Alcohols, Glycerol, Ethoxylated Lauryl Alcohol, Ethoxylated Coco Ammonium Chloride, Lauryl Dimethyl Amine Oxide, 2-methyl-2H-isothiazol-3-one, 1,2-benzisothiazol-3(2H)-one, 5-chloro-2-methyl-2H-isothiazol-3-one	0.0	Y
MW30D	Goo Gone - Adhesive Remover (x1)	16 oz	U	Petroleum Distillates, Hydro-treated Light, D-Limonene, Orange Sweet Extract	0.0	Y

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

**Indoor Air Quality Investigation
Pre-Inspection Product Inventory**

MW30D	Blaster - Silicone Lubricant Spray (x2)	11 oz	U	Alkanes, Petroleum Distillates, Hydrated Light, Carbon Dioxide	0.0	Y
MW30D	WD-40 - Lubricant (x2)	11 oz	U	LVP Aliphatic Hydrocarbon, Petroleum Base Oil, Carbon Dioxide	0.0	Y
MW30D	Irwin - Marking Chalk (x1)	8 oz	U	Calcium Carbonate, Crystalline Silica	0.0	Y
MW30D	Benzomatic - Propane Canister (x1)	14.1 oz	U	Propane, Propylene, Ethane, Butane, Ethyl Mercaptan	0.0	Y
MW30D	KD Edge Paint	NA	U	NA	0.0	Y
MW30D	Hercules Purple PVC Primer (x1)	8 oz	U	Tetrahydrofuran, Methyl Ethyl Ketone, Cyclohexanone, Acetone	0.0	Y
MW30D	Oatey PVC Medium Clear PVC Cement (x1)	8 oz	U	Furan, Tetrahydro-, Acetone, Methyl Ethyl Ketone, Ethene, Chloro-, Homopolymer, Polyvinyl Chloride, Cyclohexanone, Furned Silica	0.0	Y
MW30D	Renolt Syn 940 - Synthetic Grease (x1)	400 g	U	Zinc Oxide, Boric Acid, Potassium Salt, Mineral Oil, Glycerin	0.0	Y
MW30D	UnibondOne - Adhesive (x1)	1 qt	U	NA	0.0	Y
MW30D	Bostik - Lubricant Aerosol (x1)	5.5 oz	U	Acetone, 1,1-Difluoroethane, 2,2,4-Trimethylpentane, Naphtha, Light Alkylate, 1-Decene, Ethylbenzene, Tricresyl Phosphate	0.0	Y
MW30D	3-in-one Multi-Purpose Oil - Lubricant (x1)	8 oz	U	Severely Hydroreated Heavy Naphthenic Oil, Naphtha	0.0	Y
MW30D	Gojo - Hand Cleaner (x1)	1 gal	U	1-Methyl 4-(1-Methylethenyl) Cyclohexene, Alcohols, C12-15, Ethoxylated Propoxylated	0.3	Y
MW30D	Uline - Degreaser (x2)	32 oz	U	Cyclohexene, Propane, Alkanes - C12-14iso	0.3	Y
MW30D	Eyesaline - Eyewash (x2)	32 oz	(x1 U) (x1 UO)	"Non-hazardous"	0.3	Y

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

**Indoor Air Quality Investigation
Pre-Inspection Product Inventory**

MMW30D	Simple Green - Degreaser (x2)	1 gal	U	Water, Surfactant, C9-11 Alcohols Ethoxylated, Tetrasodium Gluamate Diacetate, Sodium Bicarbonate, Hydrochloric Acid, Fragrances, Blend of Polyoxaalkylene Substituted Chromophores (Cyan and Yellow), Anethole, Eucalyptol, Methylchloroisothiazolinone, Methylisothiazolinone	0.3	Y
MMW30D	Krud Kutter - Degreaser (x1)	1 gal	U	Disodium Metasilicate Pentahydrate, Ethoxylated Alcohols	0.3	Y
MMW30D	Honeywell Hydrogen Peroxide - First Aid Antiseptic (x1)	16 oz	UO	Hydrogen Peroxide	0.3	Y
MMW30D	Krylon Colormaxx - Spray Paint (x30+)	16 oz	U	Methyl Acetate, Propane, Toluene, Butane, Lt. Aliphatic Hydrocarbon Solvent, Hexane, Xylene Mixed Isomers, 2-Methylpentane, 3-Methylpentane, 2,3-Dimethylbutane, Methyl Ethyl Ketoxime, Ethylbenzene, Light Aliphatic Hydrocarbon	1.2	Y
MMW30D	Krylon - Spray Adhesive (x30+)	11 oz	U	Methyl Acetate, Propane, Butane, Heptane, p-Chlorobenzotrifluoride	0.0	Y
MMW30D	Kimball Midwest Cat Iron Coat - Spray Paint (x30+)	16 oz	U	Acetone, Propane, Toluene, n-Butane, VM&P Naphtha, Barium Sulfate, Xylene, PM Acetate	1.2	Y
MMW30D	Rust-oleum - Metallic Paint (x30+)	1 qt	U	Dimethyl Ether, Ethylene Glycol Monobutyl, 2-Propanol, n-Butane, Titanium Dioxide	1.2	Y
MMW30D	Rust-oleum - Filler Primer (x30+)	15 oz	U	Acetone, Propane, Hydrous Magnesium Silicate, n-Butyl Acetate, n-Butane, Xylenes (o-, m-, p- Isomers), Titanium Dioxide, Ethylbenzene, Zinc Phosphate, Zinc Oxide	1.2	Y
MMW30D	Rust-oleum - Ultra Cover Paint (x30+)	1 gal	U	Propane, Naphtha, Hydrotreated Light, Hydrous Magnesium Silicate, n-Butane, Titanium Dioxide, Xylene (mixed isomers), Hydrotreated Light Distillate, n-Butyl Acetate, Acetone, Barium Sulfate, Ethylbenzene, Zinc Phosphate, Methyl Ethyl Ketoxime	1.2	Y

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

**Indoor Air Quality Investigation
Pre-Inspection Product Inventory**

MMW30D	Benjamin Moore - Regal Classic Paint (x5+)	1 gal	U	Titanium Dioxide, Zinc Oxide, Crystalline Silica, Diatomaceous Earth	1.2	Y
MMW30D	Benjamin Moore - Regal Classic Paint (x5+)	5 gal	U	Titanium Dioxide, Zinc Oxide, Crystalline Silica, Diatomaceous Earth	1.2	Y
MMW30D	Walgreens 70% Isopropyl Alcohol - First Aid Antiseptic (x1)	16 oz	U	Isopropyl Alcohol	1.2	Y
MMW30D	Walgreens 91% Isopropyl Alcohol - First Aid Antiseptic (x1)	32 oz	UO	Isopropyl Alcohol	1.2	Y
MMW30D	Minwax - Polyurethane (x1)	1 qt	U	Light Aliphatic Hydrocarbon, Zirconium 2-Ethylhexanoate, Methyl Ethyl Ketoxime, Dibutyltin Dichloride	1.2	Y
MMW30D	Armor All - Car Cleaner (x1)	28 oz	U	Mineral Oil	0.3	Y
MMW30D	Prestone - Antifreeze Coolant (x1)	32 oz	U	Ethylene Glycol 2-Ethyl Hexanoic Acid, Neodecanoic Acid, Diethylene Glycol	0.3	Y
MMW30D	Latex-ite Ice and Snow Melt - De-Icer (x2)	30 lb	(x1 U) (x1 UO)	Sodium Chloride, Calcium Chloride, Magnesium Chloride, CMA	0.3	Y
MMW30D	Meguiars - Tire Coating (x4)	15 oz	U	Petroleum Distillate	0.3	Y
MMW30D	Fix-A-Flat - Tire Sealer (x1)	20 oz	U	Glycerol, (1E)-1,3,3,3-Tetrafluoro-1-propene	0.3	Y
MMW30D	Mohawk Ultra Penetrating NGR DYE Stain - Wood Stain (x1)	1 qt	U	Acetone, Ethanol	0.0	Y
MMW30D	Ingersoll Rand - Compressor Coolant (x1)	10 oz	U	Polypropylene Glycol, Pentaerythritol Ester, Alkylated Diphenylamine, Barium Dinony	0.0	Y
MMW30D	WAHL Hair Clipper Blade Oil - Lubricant (x1)	4.6 oz	U	White Mineral Oil	0.0	Y

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

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

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

Preparer's Name Camille Quick Date/Time Prepared 2/10/2024 - 13:20

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

Purpose of Investigation ABC Block 26 Pilot Study

1. OCCUPANT:

Interviewed: Y / N

Last Name: Wheeler First Name: Edjo

Address: 5-25 46th Ave, Long Island City, New York

County: Queens County

Home Phone: _____ Office Phone: 917 287 3093

Number of Occupants/persons at this location 10 Age of Occupants 20-50 years

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

Interviewed: Y N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

Commercial/Multi-use
Other: _____

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

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

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

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

Other characteristics:

Number of floors ¹ _____ Building age _____

Is the building insulated? Y N How air tight? Tight Average Not Tight

4. AIRFLOW

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

Airflow between floors

NA, Single Story Structure

Airflow near source

NA

Outdoor air infiltration

Infiltration through southern wall

Infiltration into air ducts

NA

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

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

Basement/Lowest level depth below grade: _____(feet)

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

NA

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

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

<input checked="" type="checkbox"/> Hot air circulation	Heat pump	Hot water baseboard
Space Heaters	Stream radiation	Radiant floor
Electric baseboard	Wood stove	Outdoor wood boiler
		Other _____

The primary type of fuel used is:

<input checked="" type="checkbox"/> Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: electric and natural gas

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y N

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

Forced air supply ductwork There is no return to the outdoors for recirculation.

7. OCCUPANCY

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

Level General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)

Basement	<u>NA</u>
1 st Floor	<u>Artist studio/creative space open to the public</u>
2 nd Floor	<u>NA</u>
3 rd Floor	<u>NA</u>
4 th Floor	<u>NA</u>

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

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

- j. Has painting/staining been done in the last 6 months? Y N Where & When? main floor/art studio
- k. Is there new carpet, drapes or other textiles? Y N Where & When? _____
- l. Have air fresheners been used recently? Y N When & Type? _____
- m. Is there a kitchen exhaust fan? Y N If yes, where vented? _____
- n. Is there a bathroom exhaust fan? Y N If yes, where vented? on ceilings
- o. Is there a clothes dryer? Y N If yes, is it vented outside? Y / N
- p. Has there been a pesticide application? Y N When & Type? _____

Are there odors in the building? Y N
 If yes, please describe: spray paint

Do any of the building occupants use solvents at work? Y N
 (e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? paint thinner, spray paint

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

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

- Yes, use dry-cleaning regularly (weekly) No
- Yes, use dry-cleaning infrequently (monthly or less) Unknown
- Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y N Date of Installation: _____
 Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____
 Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

- a. Provide reasons why relocation is recommended: _____
- b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel
- c. Responsibility for costs associated with reimbursement explained? Y / N
- d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

No Basement

First Floor:

See Sample Location Plan

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

See Sample Location Plan

**Indoor Air Quality Investigation
Pre-Inspection Product Inventory**

Site Name: ABC Block 26 - MW34D

Langan Project No.: 170340203

Site Location: Long Island City, NY

Date: 02/10/2024

Make and model of field instrument used: MiniRAE 3000

Location	Product Description	Size (units)	Condition*	Chemical Ingredients/Cas number	Field Instrument Reading (ppm)	Photo Y/N
MW34D	West Sytem 207 Special Clear Hardener - Epoxy Resin (x1)	1.45 gal	U	Trimethylhexamethylenediamine, Polyoxypropylenediamine, Phenol, 4,4'-(1-methylethylidene)bis-, Polymer with (chloromethyl)Oxirane, Isophoronediamine, Hydroxybenzene	0.0	Y
MW34D	Soho Materials - Painting Medium (x1)	32 oz	UO	NA	0.0	Y
MW34D	Hydrogen Peroxide - First Aid Antiseptic (x1)	16 oz	UO	Hydrogen Peroxide	0.0	Y
MW34D	Walgreens 70% Isopropyl Alcohol - First Aid Antiseptic (x1)	16 oz	U	Isopropyl Alcohol	0.0	Y
MW34D	CRC Duster - Pressurized Gas (x6)	8 oz	(x4 U) (x2 UO)	1,1,1,2-tetrafluoroethane	0.0	Y
MW34D	Benzomatic - Propane Canister (x5)	14.1 oz	(x3 U) (x2 UO)	Propane, Propylene, Ethane, Butane, Ethyl Mercaptan	0.0	Y
MW34D	Uline Air In A Can - Pressurized Gas (x12)	12 oz	(x3 U) (x9 UO)	1,1-difluoroethane	0.0	Y
MW34D	Krylon - Spray Adhesive (x1)	11 oz	U	Methyl Acetate, Propane, Butane, Heptane, p-Chlorobenzotrifluoride	0.0	Y
MW34D	Golden Acrylics - Paint (x30+)	2 oz	U	Ammonium Hydroxide, Alumina, Aluminum Oxide, Amorphous Silica, Antimony, Barium Sulfate, Barium, Bismuth Vanadium Oxide, Cadmium Sulfide, Ammonium Hydroxide, Antimony, Antimony Oxide, Amorphous Silica, Antimony, Barium Sulfate, Barium, Bismuth Vanadium Oxide, Cadmium Sulfide, Cadmium Selenide, Calcium Carbonate, Calcium Silicate, Carbon Black, Chromium (III) Compounds, Chromium Metal, CI PY 35 (Cadmium Pigment), CI PR 108 (Cadmium Pigment), Cobalt Compounds, Calcium Oxide, Calcium Silicate, Diphosphorus Pentoxide, Ammonium Hydroxide, Alumina, Aluminum Oxide, Amorphous Silica, Antimony, Barium Sulfate, Barium, Bismuth Vanadium Oxide, Cadmium Sulfide,	0.0	Y
MW34D	Golden Acrylics - Paint (x30+)	5 oz	U	Ammonium Hydroxide, Alumina, Aluminum Oxide, Amorphous Silica, Antimony, Barium Sulfate, Barium, Bismuth Vanadium Oxide, Cadmium Sulfide, Bismuth Vanadium Oxide, Cadmium Sulfide,	0.0	Y
MW34D	Golden Acrylics - Paint (x30+)	8 oz	U	Ammonium Hydroxide, Alumina, Aluminum Oxide, Amorphous Silica, Antimony, Barium Sulfate, Barium, Bismuth Vanadium Oxide, Cadmium Sulfide,	0.0	Y

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

**Indoor Air Quality Investigation
Pre-Inspection Product Inventory**

MW34D	Golden Acrylics - Paint (x30+)	16 oz	U	Ammonium Hydroxide, Alumina, Aluminum Oxide, Amorphous Silica, Antimony, Barium Sulfate, Barium, Bismuth Vanadium Oxide, Cadmium Sulfide,	0.0	Y
MW34D	Novus Plastic Clean & Shine - Plastic Polish (x8)	8 oz	(x4 U) (x4 UO)	Isopropyl Alcohol, Polydimethylsiloxane, Silanol Terminated, Dimethylpolysiloxane	0.0	Y
MW34D	Windolene - Glass Cleaner (x3)	17 oz	UO	Kerosine, Naphtha, Benzisothiazolinone	0.0	Y
MW34D	Method - Wood Polish (x1)	14 oz	U	Glycerin, 2-methyl-2H-isothiazolin-3-one	0.0	Y
MW34D	Klean Strip - Lacquer Thinner (x2)	1 gal	UO	Acetone, Light Aliphatic Solvent Naphtha, Toluene, Methanol	0.0	Y
MW34D	Krylon Colormaxx - Spray Paint (x30+)	16 oz	U	Methyl Acetate, Propane, Toluene, Butane, Lt. Aliphatic Hydrocarbon Solvent, Hexane, Xylene Mixed Isomers, 2-Methylpentane, 3-Methylpentane,	0.0	Y
MW34D	Goo Gone - Adhesive Remover (x1)	16 oz	U	Petroleum Distillates, Hydro-treated Light, D-Limonene, Orange Sweet Extract	0.0	Y
MW34D	Titebond - Wood Adhesive (x1)	16 oz	U	"Non-hazardous"	0.0	Y
MW34D	Lysol - Disinfectant Spray (x1)	32 oz	U	Ethanol, Butane, Propane	0.0	Y
MW34D	Oxiclean- Laundry Detergent (x1)	56 oz	U	C12-15 Ethoxylated Alcohols, Hydrogen Peroxide, Benzenesulfonic Acid, 4-dodecyl-, Poly(oxy-1,2-ethanediy), .alpha.-undecyl-.omega.-hydroxy-, Sodium Hydroxide	0.0	Y
MW34D	Fast Orange - Hand Cleaner (x1)	1 gal	U	"Non-hazardous"	0.0	Y
MW34D	Clorox Bleach Foamer - Disinfectant (x1)	30 oz	U	Sodium Hypochlorite, Sodium Hydroxide	0.0	Y
MW34D	Meyer's Clean Day - Dish Soap (x1)	16 oz	U	Sodium Lauryl Sulfate, Lauramine Oxide, Glycerine, Fragrance	0.0	Y
MW34D	Raw Sugar - Hand Cleaner (x1)	16.9 oz	U	Water, Cocamidopropyl Betaine, Sodium C14-16 Olefin Sulfonate, Sodium Cocamphoacetate, Sodium Cocoyl Glutamate, Sodium Cocoyl	0.0	Y
MW34D	Devcon Epoxy Resin (x12)	4.25 oz	U	Bisphenol A, Epichlorohydrin	0.0	Y

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

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

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

Preparer's Name Roswell Lo Date/Time Prepared 2/17/2024

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

Purpose of Investigation ABC Block 26 Pilot Study

1. OCCUPANT:

Interviewed: Y / N

Last Name: Wheeler First Name: Edjo

Address: 5-25 46th Ave, Long Island City, New York

County: Queens County

Home Phone: _____ Office Phone: 917 287 3093

Number of Occupants/persons at this location 10 Age of Occupants 20-50 years

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

Interviewed: Y (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

Commercial/Multi-use
Other: _____

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

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

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) fine/performing art _____

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

Other characteristics:

Number of floors 1 Building age _____

Is the building insulated? Y N How air tight? Tight Average Not Tight

4. AIRFLOW

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

Airflow between floors

NA, Single Story Structure

Airflow near source

NA

Outdoor air infiltration

Infiltration through southern wall

Infiltration into air ducts

NA

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

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

Basement/Lowest level depth below grade: _____(feet)

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

Crack in floor

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

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

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

The primary type of fuel used is:

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

Domestic hot water tank fueled by: electric and natural gas

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y N

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

Forced air supply ductwork There is no return to the outdoors for recirculation.

7. OCCUPANCY

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

Level General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)

Basement	<u>NA</u>
1 st Floor	<u>Artist studio, creative space open to the public</u>
2 nd Floor	<u>NA</u>
3 rd Floor	<u>NA</u>
4 th Floor	<u>NA</u>

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

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

- j. Has painting/staining been done in the last 6 months? Y N Where & When? main floor/art studio
- k. Is there new carpet, drapes or other textiles? Y N Where & When? _____
- l. Have air fresheners been used recently? Y N When & Type? _____
- m. Is there a kitchen exhaust fan? Y N If yes, where vented? _____
- n. Is there a bathroom exhaust fan? Y N If yes, where vented? on ceilings
- o. Is there a clothes dryer? Y N If yes, is it vented outside? Y / N
- p. Has there been a pesticide application? Y N When & Type? _____

Are there odors in the building? Y N

If yes, please describe: spray paint

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

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

If yes, what types of solvents are used? paint thinner, spray paint

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

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

- Yes, use dry-cleaning regularly (weekly) No
- Yes, use dry-cleaning infrequently (monthly or less) Unknown
- Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

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

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

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

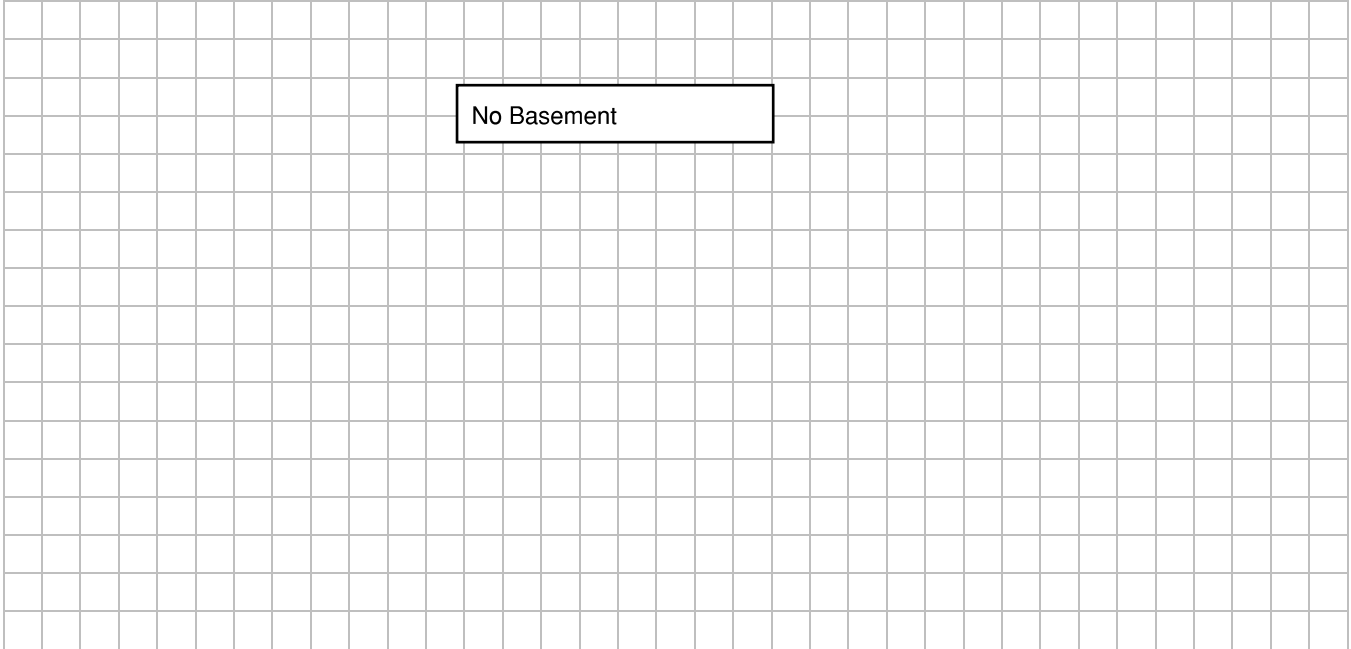
c. Responsibility for costs associated with reimbursement explained? Y / N

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

11. FLOOR PLANS

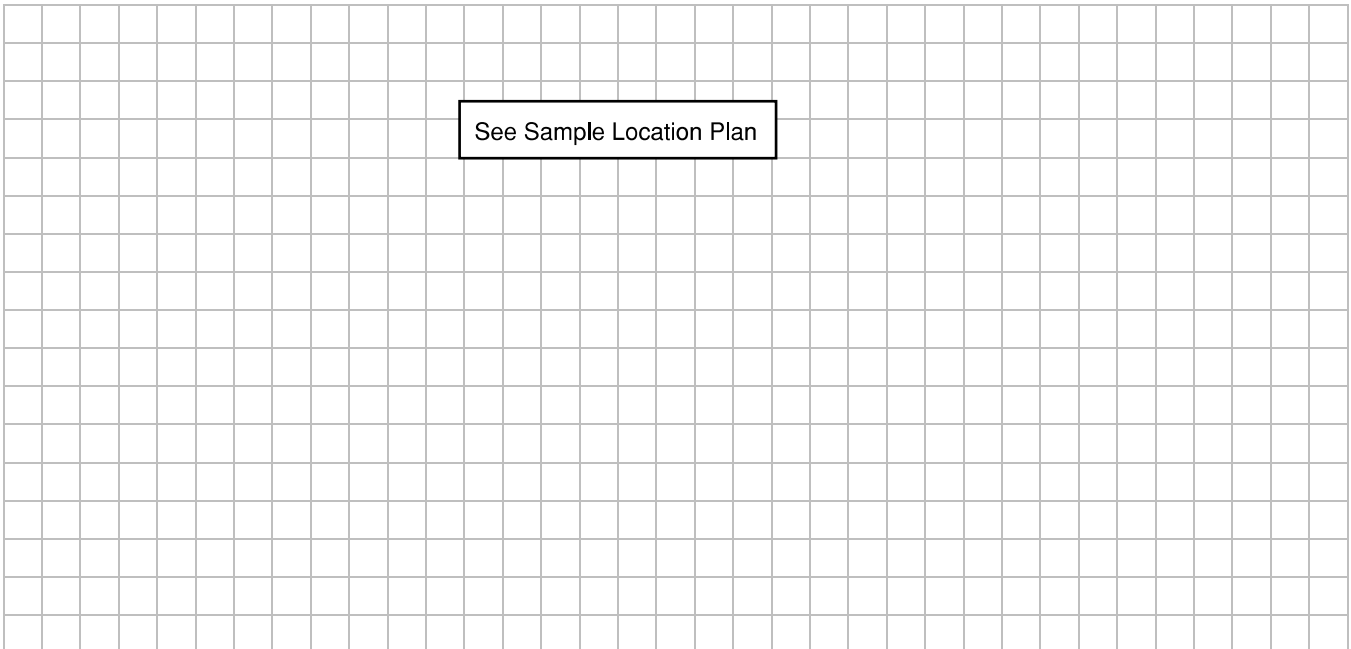
Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



No Basement

First Floor:



See Sample Location Plan

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

See Sample Location Plan

**Indoor Air Quality Investigation
Pre-Inspection Product Inventory**

Site Name: ABC Block 26 - MW34D

Langan Project No.: 170340203

Site Location: Long Island City, NY

Date: 02/17/2024

Make and model of field instrument used: MiniRAE 3000

Location	Product Description	Size (units)	Condition*	Chemical Ingredients/Cas number	Field Instrument Reading (ppm)	Photo Y/N
MW34D	Soho Materials - Painting Medium (x1)	32 oz	UO	NA	0.0	Y
MW34D	Hydrogen Peroxide - First Aid Antiseptic (x1)	16 oz	UO	Hydrogen Peroxide	0.0	Y
MW34D	Walgreens 70% Isopropyl Alcohol - First Aid Antiseptic (x1)	16 oz	U	Isopropyl Alcohol	0.0	Y
MW34D	CRC Duster - Pressurized Gas (x6)	8 oz	(x4 U) (x2 UO)	1,1,1,2-tetrafluoroethane	0.0	Y
MW34D	Benzomatic - Propane Canister (x5)	14.1 oz	(x3 U) (x2 UO)	Propane, Propylene, Ethane, Butane, Ethyl Mercaptan	0.0	Y
MW34D	Uline Air In A Can - Pressurized Gas (x12)	12 oz	(x3 U) (x9 UO)	1,1-difluoroethane	0.0	Y
MW34D	Krylon - Spray Adhesive (x1)	11 oz	U	Methyl Acetate, Propane, Butane, Heptane, p-Chlorobenzotrifluoride	0.0	Y
MW34D	Golden Acrylics - Paint (x30+)	2 oz	U	Ammonium Hydroxide, Alumina, Aluminum Oxide, Amorphous Silica, Antimony, Barium Sulfate, Barium, Bismuth Vanadium Oxide, Cadmium Sulfide,	0.0	Y
MW34D	Golden Acrylics - Paint (x30+)	5 oz	U	Ammonium Hydroxide, Alumina, Aluminum Oxide, Amorphous Silica, Antimony, Barium Sulfate, Barium, Bismuth Vanadium Oxide, Cadmium Sulfide,	0.0	Y
MW34D	Golden Acrylics - Paint (x30+)	8 oz	U	Ammonium Hydroxide, Alumina, Aluminum Oxide, Amorphous Silica, Antimony, Barium Sulfate, Barium, Bismuth Vanadium Oxide, Cadmium Sulfide, Cadmium Selenide, Calcium Carbonate, Calcium Silicate, Carbon Black, Chromium (III) Compounds, Chromium Metal, CI PY 35 (Cadmium Pigment), CI PR 108 (Cadmium Pigment), Cobalt Compounds,	0.0	Y
MW34D	Golden Acrylics - Paint (x30+)	16 oz	U	Ammonium Hydroxide, Alumina, Aluminum Oxide, Amorphous Silica, Antimony, Barium Sulfate, Barium, Bismuth Vanadium Oxide, Cadmium Sulfide,	0.0	Y

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

**Indoor Air Quality Investigation
Pre-Inspection Product Inventory**

MW34D	Novus Plastic Clean & Shine - Plastic Polish (x8)	8 oz	(x4 U) (x4 UO)	Isopropyl Alcohol, Polydimethylsiloxane, Silanol Terminated, Dimethylpolysiloxane	0.0	Y
MW34D	Windolene - Glass Cleaner (x3)	17 oz	UO	Kerosine, Naphtha, Benzisothiazollnone	0.0	Y
MW34D	Method - Wood Polish (x1)	14 oz	U	Glycerin, 2-methyl-2H-isothiazolin-3-one	0.0	Y
MW34D	Klean Strip - Lacquer Thinner (x2)	1 gal	UO	Acetone, Light Aliphatic Solvent Naphtha, Toluene, Methanol	0.0	Y
MW34D	Krylon Colormaxx - Spray Paint (x30+)	16 oz	U	Methyl Acetate, Propane, Toluene, Butane, Lt. Aliphatic Hydrocarbon Solvent, Hexane, Xylene Mixed Isomers, 2-Methylpentane, 3-Methylpentane,	0.0	Y
MW34D	Goo Gone - Adhesive Remover (x1)	16 oz	U	Petroleum Distillates, Hydro-treated Light, D-Limonene, Orange Sweet Extract	0.0	Y
MW34D	Titebond - Wood Adhesive (x1)	16 oz	U	"Non-hazardous"	0.0	Y
MW34D	Lysol - Disinfectant Spray (x1)	32 oz	U	Ethanol, Butane, Propane	0.0	Y
MW34D	Oxiclean- Laundry Detergent (x1)	56 oz	U	C12-15 Ethoxylated Alcohols, Hydrogen Peroxide, Benzenesulfonic Acid, 4-dodecyl-, Poly(oxy-1,2-ethanediy), .alpha.-undecyl-omega.-hydroxy-,	0.0	Y
MW34D	Fast Orange - Hand Cleaner (x1)	1 gal	U	"Non-hazardous"	0.0	Y
MW34D	Clorox Bleach Foamer - Disinfectant (x1)	30 oz	U	Sodium Hypochlorite, Sodium Hydroxide	0.0	Y
MW34D	Meyer's Clean Day - Dish Soap (x1)	16 oz	U	Sodium Lauryl Sulfate, Lauramine Oxide, Glycerine, Fragrance	0.0	Y
MW34D	Raw Sugar - Hand Cleaner (x1)	16.9 oz	U	Water, Cocamidopropyl Betaine, Sodium C14-16 Olefin Sulfonate, Sodium Cocamphoacetate, Sodium Cocoyl Glutamate, Sodium Cocoyl	0.0	Y
MW34D	Devcon Epoxy Resin (x12)	4.25 oz	U	Bisphenol A, Epichlorohydrin	0.0	Y

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

APPENDIX B
INDOOR AND AMBIENT AIR SAMPLING LOGS

AIR SAMPLING LOG SHEET

Sample Number: C241174_BL-IA01_MW30D

PROJECT: ABC Block 26		PROJECT NO.: 170340203	
LOCATION: Long Island City, New York		SURFACE ELEVATION AND DATUM: N/A	
SAMPLER: Camille Quick		SAMPLE DATE STARTED: 2/10/2024	DATE FINISHED: 2/10/2024
INSPECTOR: Camille Quick		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister	
POTENTIAL SAMPLE INTERFERENCES: Tenant operations include manufacturing.		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):	
		Temp:	41-58F
		Wind:	WSW
		Precipitation:	0 in
		Pressure:	29.8 in Hg
METHOD OF INSTALLATION AND SAMPLING: Langan field screened the sample location with a MiniRAE 3000 Photionization detector prior to sampling. The sample consisted of 6L summa canister fitted with an 2-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 2-hour sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.			
SAMPLE DETAILS		SAMPLE LOCATION SKETCH	
HEIGHT ABOVE GROUND (FT):	3	See Sample Location Plan	
PID BEFORE SAMPLE (PPM):	0.4		
SAMPLE START TIME:	13:59		
SAMPLE STOP TIME:	15:47		
TOTAL SAMPLE TIME (MIN):	107		
REGULATOR FLOW RATE (L/MIN):	0.05		
VOLUME OF SAMPLE (LITERS):	6		
PID AFTER SAMPLE (PPM):	0.4		
SAMPLE MOISTURE CONTENT:	NA		
CAN SERIAL NUMBER:	20665		
REGULATOR SERIAL NUMBER:	13559		
CAN START VACUUM PRESS. (" HG):	-29.5		
CAN STOP VACUUM PRESS. (" HG):	-5		
NOTES			
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 360 West 31st Street, 8th Floor, New York, New York 10001-2727			

AIR SAMPLING LOG SHEET

Sample Number: C241174_BL-IA01_MW34D

PROJECT: ABC Block 26	PROJECT NO.: 170340203	
LOCATION: Long Island City, New York	SURFACE ELEVATION AND DATUM: N/A	
SAMPLER: Camille Quick	SAMPLE DATE STARTED: 2/10/2024	DATE FINISHED: 2/10/2024
INSPECTOR: Camille Quick	TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister	
POTENTIAL SAMPLE INTERFERENCES: None	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 41-58F Wind: WSW Precipitation: 0 in Pressure: 29.8 in Hg	

METHOD OF INSTALLATION AND SAMPLING:
 Langan field screened the sample location with a MiniRAE 3000 Photionization detector prior to sampling. The sample consisted of 6L summa canister fitted with an 2-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 2-hour sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.

SAMPLE DETAILS	SAMPLE LOCATION SKETCH
HEIGHT ABOVE GROUND (FT): <u>3</u>	See Sample Location Plan
PID BEFORE SAMPLE (PPM): <u>0.0</u>	
SAMPLE START TIME: <u>13:55</u>	
SAMPLE STOP TIME: <u>15:39</u>	
TOTAL SAMPLE TIME (MIN): <u>104</u>	
REGULATOR FLOW RATE (L/MIN): <u>0.05</u>	
VOLUME OF SAMPLE (LITERS): <u>6</u>	
PID AFTER SAMPLE (PPM): <u>0.0</u>	
SAMPLE MOISTURE CONTENT: <u>NA</u>	
CAN SERIAL NUMBER: <u>41884</u>	
REGULATOR SERIAL NUMBER: <u>19410</u>	
CAN START VACUUM PRESS. (" HG): <u>-29</u>	
CAN STOP VACUUM PRESS. (" HG): <u>-5</u>	

NOTES

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
 360 West 31st Street, 8th Floor, New York, New York 10001-2727

AIR SAMPLING LOG SHEET

Sample Number: C241174_AA01_021024

PROJECT: ABC Block 26		PROJECT NO.: 170340203	
LOCATION: Long Island City, New York		SURFACE ELEVATION AND DATUM: N/A	
SAMPLER: Camille Quick		SAMPLE DATE STARTED: 2/10/2024	DATE FINISHED: 2/10/2024
INSPECTOR: Camille Quick		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister	
POTENTIAL SAMPLE INTERFERENCES: None		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):	
		Temp:	41-58F
		Wind:	WSW
		Precipitation:	0 in
		Pressure:	29.8 in Hg
METHOD OF INSTALLATION AND SAMPLING: Langan field screened the sample location with a MiniRAE 3000 Photionization detector prior to sampling. The sample consisted of 6L summa canister fitted with an 2-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 2-hour sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.			
SAMPLE DETAILS		SAMPLE LOCATION SKETCH	
HEIGHT ABOVE GROUND (FT):	3	See Sample Location Plan	
PID BEFORE SAMPLE (PPM):	0.0		
SAMPLE START TIME:	14:08		
SAMPLE STOP TIME:	15:50		
TOTAL SAMPLE TIME (MIN):	102		
REGULATOR FLOW RATE (L/MIN):	0.05		
VOLUME OF SAMPLE (LITERS):	6		
PID AFTER SAMPLE (PPM):	0.0		
SAMPLE MOISTURE CONTENT:	NA		
CAN SERIAL NUMBER:	28841		
REGULATOR SERIAL NUMBER:	16424		
CAN START VACUUM PRESS. (" HG):	-29.50		
CAN STOP VACUUM PRESS. (" HG):	-5		
NOTES			
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 360 West 31st Street, 8th Floor, New York, New York 10001-2727			

AIR SAMPLING LOG SHEET

Sample Number: C241174_LR-IA01_MW30D

PROJECT: ABC Block 26	PROJECT NO.: 170340203	
LOCATION: Long Island City, New York	SURFACE ELEVATION AND DATUM: N/A	
SAMPLER: Roswell Lo	SAMPLE DATE STARTED: 2/17/2024	DATE FINISHED: 2/17/2024
INSPECTOR: Roswell Lo	TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister	
POTENTIAL SAMPLE INTERFERENCES: Tenant operations include manufacturing.	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):	
	Temp:	35-36 F
	Wind:	14-17 mph WNW
	Precipitation:	None
	Pressure:	29.72 in Hg

METHOD OF INSTALLATION AND SAMPLING:
 Langan field screened the sample location with a MiniRAE 3000 Photionization detector prior to sampling. The sample consisted of 6L summa canister fitted with an 2-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 2-hour sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.

SAMPLE DETAILS	SAMPLE LOCATION SKETCH
HEIGHT ABOVE GROUND (FT): <u>3</u>	See Sample Location Plan
PID BEFORE SAMPLE (PPM): <u>0.0</u>	
SAMPLE START TIME: <u>14:24</u>	
SAMPLE STOP TIME: <u>16:24</u>	
TOTAL SAMPLE TIME (MIN): <u>120</u>	
REGULATOR FLOW RATE (L/MIN): <u>0.05</u>	
VOLUME OF SAMPLE (LITERS): <u>6</u>	
PID AFTER SAMPLE (PPM): <u>0.4</u>	
SAMPLE MOISTURE CONTENT: <u>None</u>	
CAN SERIAL NUMBER: <u>16976</u>	
REGULATOR SERIAL NUMBER: <u>6877</u>	
CAN START VACUUM PRESS. (" HG): <u>-31</u>	
CAN STOP VACUUM PRESS. (" HG): <u>-9</u>	

NOTES

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
 360 West 31st Street, 8th Floor, New York, New York 10001-2727

AIR SAMPLING LOG SHEET

Sample Number: C241174_LR-IA01_MW34D

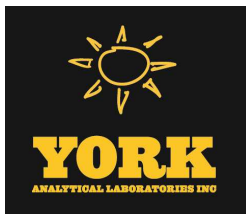
PROJECT: ABC Block 26		PROJECT NO.: 170340203	
LOCATION: Long Island City, New York		SURFACE ELEVATION AND DATUM: N/A	
SAMPLER: Roswell Lo		SAMPLE DATE STARTED: 2/17/2024	DATE FINISHED: 2/17/2024
INSPECTOR: Roswell Lo		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister	
POTENTIAL SAMPLE INTERFERENCES: None		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):	
		Temp:	35-36 F
		Wind:	14-17 mph WNW
		Precipitation:	None
		Pressure:	29.72 in Hg
METHOD OF INSTALLATION AND SAMPLING: Langan field screened the sample location with a MiniRAE 3000 Photionization detector prior to sampling. The sample consisted of 6L summa canister fitted with an 2-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 2-hour sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.			
SAMPLE DETAILS		SAMPLE LOCATION SKETCH	
HEIGHT ABOVE GROUND (FT):	3	See Sample Location Plan	
PID BEFORE SAMPLE (PPM):	0.0		
SAMPLE START TIME:	14:26		
SAMPLE STOP TIME:	16:26		
TOTAL SAMPLE TIME (MIN):	120		
REGULATOR FLOW RATE (L/MIN):	0.050		
VOLUME OF SAMPLE (LITERS):	6		
PID AFTER SAMPLE (PPM):	1.0		
SAMPLE MOISTURE CONTENT:	None		
CAN SERIAL NUMBER:	15522		
REGULATOR SERIAL NUMBER:	17190		
CAN START VACUUM PRESS. (" HG):	-34		
CAN STOP VACUUM PRESS. (" HG):	-10		
NOTES			
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 360 West 31st Street, 8th Floor, New York, New York 10001-2727			

AIR SAMPLING LOG SHEET

Sample Number: C241174_AA01_021724

PROJECT: ABC Block 26		PROJECT NO.: 170340203	
LOCATION: Long Island City, New York		SURFACE ELEVATION AND DATUM: NA	
SAMPLER: Roswell Lo		SAMPLE DATE STARTED: 2/17/2024	DATE FINISHED: 2/17/2024
INSPECTOR: Roswell Lo		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister	
POTENTIAL SAMPLE INTERFERENCES: None		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):	
		Temp: 35-36 F Wind: 14-17 mph WNW Precipitation: None Pressure: 29.72 in Hg	
METHOD OF INSTALLATION AND SAMPLING: Langan field screened the sample location with a MiniRAE 3000 Photionization detector prior to sampling. The sample consisted of 6L summa canister fitted with an 2-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 2-hour sample collection. The sample and flow controller were checked periodically during sampling to ensure proper operation.			
SAMPLE DETAILS		SAMPLE LOCATION SKETCH	
HEIGHT ABOVE GROUND (FT):	3	See Sample Location Plan	
PID BEFORE SAMPLE (PPM):	0.0		
SAMPLE START TIME:	14:23		
SAMPLE STOP TIME:	16:23		
TOTAL SAMPLE TIME (MIN):	120		
REGULATOR FLOW RATE (L/MIN):	0.050		
VOLUME OF SAMPLE (LITERS):	6		
PID AFTER SAMPLE (PPM):	0.0		
SAMPLE MOISTURE CONTENT:	NA		
CAN SERIAL NUMBER:	48294		
REGULATOR SERIAL NUMBER:	7303		
CAN START VACUUM PRESS. (" HG):	-30.00		
CAN STOP VACUUM PRESS. (" HG):	-8		
NOTES			
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727			

APPENDIX C
LABORATORY ANALYTICAL DATA REPORTS



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Andrew Nesci

Report Date: 04/11/2024

Client Project ID: 170340203

York Project (SDG) No.: 24B0706

Revision No. 2.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 04/11/2024
Client Project ID: 170340203
York Project (SDG) No.: 24B0706

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

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 13, 2024 and listed below. The project was identified as your project: **170340203**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24B0706-01	CAN 15522 / FC 17190	Air	02/12/2024	02/13/2024
24B0706-02	CAN 16976 / FC 6877	Air	02/12/2024	02/13/2024
24B0706-04	CAN 48294 / FC 7363	Air	02/12/2024	02/13/2024
24B1051-01	C241174_AA02_021724	Outdoor Ambient Ai	02/17/2024	02/20/2024
24B1051-02	C241174_LR-IA01_MW30D_021724	Indoor Ambient Air	02/17/2024	02/20/2024
24B1051-03	C241174_LR-IA02_MW34D_021724	Indoor Ambient Air	02/17/2024	02/20/2024

General Notes for York Project (SDG) No.: 24B0706

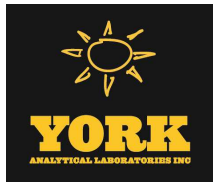
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.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

Approved By 

Date: 04/11/2024

Cassie L. Mosher
Laboratory Manager





Sample Information

Client Sample ID: CAN 15522 / FC 17190

York Sample ID: 24B0706-01

<u>York Project (SDG) No.</u> 24B0706	<u>Client Project ID</u> 170340203	<u>Matrix</u> Air	<u>Collection Date/Time</u> February 12, 2024 10:21 am	<u>Date Received</u> 02/13/2024
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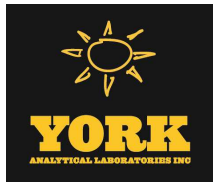
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.687	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 08:52	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.546	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.687	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.766	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.546	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.405	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.198	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.742	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.492	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.768	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.601	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.405	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.462	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.699	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.492	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
106-99-0	1,3-Butadiene	ND		ug/m ³	0.664	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.601	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.462	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 08:52	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.601	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.721	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
78-93-3	2-Butanone	ND		ug/m ³	0.295	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH



Sample Information

Client Sample ID: CAN 15522 / FC 17190

York Sample ID: 24B0706-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0706

170340203

Air

February 12, 2024 10:21 am

02/13/2024

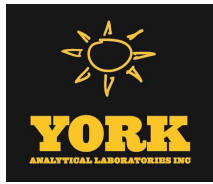
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m ³	0.819	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 08:52	VH
107-05-1	3-Chloropropene	ND		ug/m ³	1.57	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.410	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
67-64-1	Acetone	ND		ug/m ³	0.475	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
107-13-1	Acrylonitrile	ND		ug/m ³	0.217	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
71-43-2	Benzene	ND		ug/m ³	0.319	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.518	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.670	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
75-25-2	Bromoform	ND		ug/m ³	1.03	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
74-83-9	Bromomethane	ND		ug/m ³	0.388	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
75-15-0	Carbon disulfide	ND		ug/m ³	0.311	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.157	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.460	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
75-00-3	Chloroethane	ND		ug/m ³	0.264	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
67-66-3	Chloroform	ND		ug/m ³	0.488	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
74-87-3	Chloromethane	ND		ug/m ³	0.207	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.198	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.454	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
110-82-7	Cyclohexane	ND		ug/m ³	0.344	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	0.852	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	0.495	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
141-78-6	* Ethyl acetate	ND		ug/m ³	0.721	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 08:52	VH



Sample Information

Client Sample ID: CAN 15522 / FC 17190

York Sample ID: 24B0706-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0706

170340203

Air

February 12, 2024 10:21 am

02/13/2024

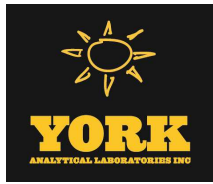
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/m ³	0.434	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.07	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
67-63-0	Isopropanol	ND		ug/m ³	1.23	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.409	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.361	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
75-09-2	Methylene chloride	ND		ug/m ³	0.695	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
91-20-3	* Naphthalene	ND	TO-CC V, TO-LCS -L	ug/m ³	1.57	1	EPA TO-15 Certifications: NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
142-82-5	n-Heptane	ND		ug/m ³	0.410	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
110-54-3	n-Hexane	ND		ug/m ³	0.352	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
95-47-6	o-Xylene	ND		ug/m ³	0.434	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.868	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.492	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 08:52	VH
115-07-1	* Propylene	ND		ug/m ³	0.172	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 08:52	VH
100-42-5	Styrene	ND		ug/m ³	0.426	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.678	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.590	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 08:52	VH
108-88-3	Toluene	ND		ug/m ³	0.377	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.396	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.454	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
79-01-6	Trichloroethylene	ND		ug/m ³	0.134	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.562	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH



Sample Information

Client Sample ID: CAN 15522 / FC 17190

York Sample ID: 24B0706-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0706

170340203

Air

February 12, 2024 10:21 am

02/13/2024

VOA, TO15 MASTER

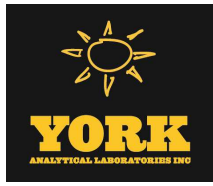
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		ug/m ³	0.352	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
593-60-2	Vinyl bromide	ND		ug/m ³	0.437	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
75-01-4	Vinyl Chloride	ND		ug/m ³	0.128	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 08:52	VH
1330-20-7	* Xylenes, Total	ND		ug/m ³	1.30	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 08:52	VH





Sample Information

Client Sample ID: CAN 16976 / FC 6877

York Sample ID: 24B0706-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0706

170340203

Air

February 12, 2024 10:21 am

02/13/2024

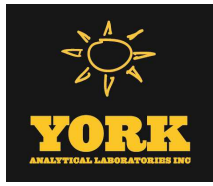
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.687	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 09:55	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.546	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.687	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.766	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.546	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.405	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.198	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.742	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.492	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.768	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.601	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.405	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.462	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.699	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.492	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
106-99-0	1,3-Butadiene	ND		ug/m ³	0.664	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.601	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.462	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 09:55	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.601	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.721	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
78-93-3	2-Butanone	ND		ug/m ³	0.295	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
591-78-6	* 2-Hexanone	ND		ug/m ³	0.819	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 09:55	VH



Sample Information

Client Sample ID: CAN 16976 / FC 6877

York Sample ID: 24B0706-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0706

170340203

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February 12, 2024 10:21 am

02/13/2024

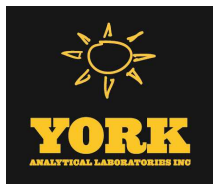
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	1.57	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.410	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
67-64-1	Acetone	ND		ug/m ³	0.475	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
107-13-1	Acrylonitrile	ND		ug/m ³	0.217	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
71-43-2	Benzene	ND		ug/m ³	0.319	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.518	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.670	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
75-25-2	Bromoform	ND		ug/m ³	1.03	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
74-83-9	Bromomethane	ND		ug/m ³	0.388	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
75-15-0	Carbon disulfide	ND		ug/m ³	0.311	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.157	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.460	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
75-00-3	Chloroethane	ND		ug/m ³	0.264	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
67-66-3	Chloroform	ND		ug/m ³	0.488	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
74-87-3	Chloromethane	ND		ug/m ³	0.207	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.198	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.454	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
110-82-7	Cyclohexane	ND		ug/m ³	0.344	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	0.852	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	0.495	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
141-78-6	* Ethyl acetate	ND		ug/m ³	0.721	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 09:55	VH
100-41-4	Ethyl Benzene	ND		ug/m ³	0.434	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH



Sample Information

Client Sample ID: CAN 16976 / FC 6877

York Sample ID: 24B0706-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0706

170340203

Air

February 12, 2024 10:21 am

02/13/2024

VOA, TO15 MASTER

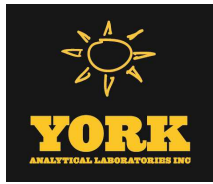
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.07	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
67-63-0	Isopropanol	ND		ug/m ³	1.23	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.409	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.361	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
75-09-2	Methylene chloride	ND		ug/m ³	0.695	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
91-20-3	* Naphthalene	ND	TO-CC V, TO-LCS -L	ug/m ³	1.57	1	EPA TO-15 Certifications: NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
142-82-5	n-Heptane	ND		ug/m ³	0.410	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
110-54-3	n-Hexane	ND		ug/m ³	0.352	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
95-47-6	o-Xylene	ND		ug/m ³	0.434	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.868	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.492	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 09:55	VH
115-07-1	* Propylene	ND		ug/m ³	0.172	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 09:55	VH
100-42-5	Styrene	ND		ug/m ³	0.426	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.678	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.590	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 09:55	VH
108-88-3	Toluene	ND		ug/m ³	0.377	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.396	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.454	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
79-01-6	Trichloroethylene	ND		ug/m ³	0.134	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.562	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
108-05-4	Vinyl acetate	ND		ug/m ³	0.352	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH





Sample Information

Client Sample ID: CAN 16976 / FC 6877

York Sample ID: 24B0706-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0706

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Air

February 12, 2024 10:21 am

02/13/2024

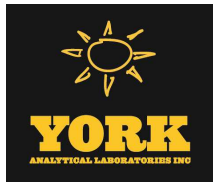
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND		ug/m ³	0.437	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
75-01-4	Vinyl Chloride	ND		ug/m ³	0.128	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 09:55	VH
1330-20-7	* Xylenes, Total	ND		ug/m ³	1.30	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 09:55	VH



Sample Information

Client Sample ID: CAN 48294 / FC 7363

York Sample ID: 24B0706-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0706

170340203

Air

February 12, 2024 10:21 am

02/13/2024

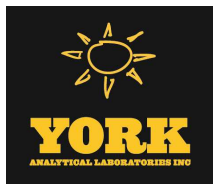
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.687	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 11:51	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.546	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.687	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.766	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.546	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.405	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.198	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.742	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.492	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.768	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.601	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.405	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.462	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.699	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.492	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
106-99-0	1,3-Butadiene	ND		ug/m ³	0.664	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.601	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.462	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 11:51	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.601	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.721	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
78-93-3	2-Butanone	ND		ug/m ³	0.295	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
591-78-6	* 2-Hexanone	ND		ug/m ³	0.819	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 11:51	VH



Sample Information

Client Sample ID: CAN 48294 / FC 7363

York Sample ID: 24B0706-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0706

170340203

Air

February 12, 2024 10:21 am

02/13/2024

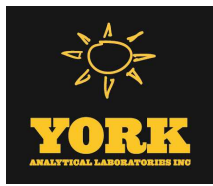
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like 3-Chloropropene, 4-Methyl-2-pentanone, Acetone, etc.



Sample Information

Client Sample ID: CAN 48294 / FC 7363

York Sample ID: 24B0706-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0706

170340203

Air

February 12, 2024 10:21 am

02/13/2024

VOA, TO15 MASTER

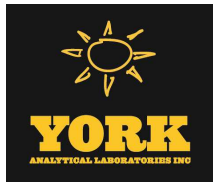
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.07	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
67-63-0	Isopropanol	ND		ug/m ³	1.23	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.409	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.361	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
75-09-2	Methylene chloride	ND		ug/m ³	0.695	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
91-20-3	* Naphthalene	ND	TO-CC V, TO-LCS -L	ug/m ³	1.57	1	EPA TO-15 Certifications: NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
142-82-5	n-Heptane	ND		ug/m ³	0.410	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
110-54-3	n-Hexane	ND		ug/m ³	0.352	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
95-47-6	o-Xylene	ND		ug/m ³	0.434	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.868	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.492	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 11:51	VH
115-07-1	* Propylene	ND		ug/m ³	0.172	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 11:51	VH
100-42-5	Styrene	ND		ug/m ³	0.426	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.678	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.590	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 11:51	VH
108-88-3	Toluene	ND		ug/m ³	0.377	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.396	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.454	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
79-01-6	Trichloroethylene	ND		ug/m ³	0.134	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.562	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
108-05-4	Vinyl acetate	ND		ug/m ³	0.352	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH





Sample Information

Client Sample ID: CAN 48294 / FC 7363

York Sample ID: 24B0706-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0706

170340203

Air

February 12, 2024 10:21 am

02/13/2024

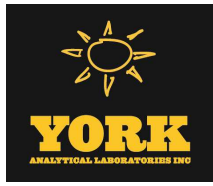
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND		ug/m ³	0.437	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
75-01-4	Vinyl Chloride	ND		ug/m ³	0.128	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/16/2024 01:00	02/16/2024 11:51	VH
1330-20-7	* Xylenes, Total	ND		ug/m ³	1.30	1	EPA TO-15 Certifications:	02/16/2024 01:00	02/16/2024 11:51	VH



Sample Information

Client Sample ID: C241174_AA02_021724

York Sample ID: 24B1051-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1051

170340203

Outdoor Ambient Air

February 17, 2024 4:23 pm

02/20/2024

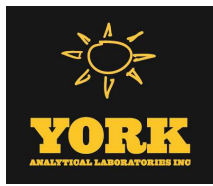
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.654	0.952	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 19:36	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.519	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.654	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.730	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.519	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.385	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.189	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.707	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
95-63-6	1,2,4-Trimethylbenzene	3.46		ug/m ³	0.468	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.731	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.572	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.385	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.440	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.666	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
108-67-8	1,3,5-Trimethylbenzene	0.796		ug/m ³	0.468	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
106-99-0	1,3-Butadiene	ND		ug/m ³	0.632	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.572	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.440	0.952	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 19:36	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.572	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.686	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
78-93-3	2-Butanone	5.22		ug/m ³	0.281	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
591-78-6	* 2-Hexanone	ND		ug/m ³	0.780	0.952	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 19:36	VH



Sample Information

Client Sample ID: C241174_AA02_021724

York Sample ID: 24B1051-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1051

170340203

Outdoor Ambient Air

February 17, 2024 4:23 pm

02/20/2024

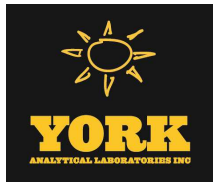
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	1.49	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
108-10-1	4-Methyl-2-pentanone	0.429		ug/m ³	0.390	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
67-64-1	Acetone	17.2		ug/m ³	0.452	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
107-13-1	Acrylonitrile	2.36	B	ug/m ³	0.207	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
71-43-2	Benzene	0.639		ug/m ³	0.304	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.493	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.638	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
75-25-2	Bromoform	ND		ug/m ³	0.984	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
74-83-9	Bromomethane	ND		ug/m ³	0.370	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
75-15-0	Carbon disulfide	25.6		ug/m ³	0.296	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
56-23-5	Carbon tetrachloride	0.479		ug/m ³	0.150	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.438	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
75-00-3	Chloroethane	ND		ug/m ³	0.251	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
67-66-3	Chloroform	ND		ug/m ³	0.465	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
74-87-3	Chloromethane	2.02		ug/m ³	0.197	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.189	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.432	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
110-82-7	Cyclohexane	ND		ug/m ³	0.328	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	0.811	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
75-71-8	Dichlorodifluoromethane	2.21		ug/m ³	0.471	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
141-78-6	* Ethyl acetate	ND		ug/m ³	0.686	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
100-41-4	Ethyl Benzene	0.455		ug/m ³	0.413	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH



Sample Information

Client Sample ID: C241174_AA02_021724

York Sample ID: 24B1051-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1051

170340203

Outdoor Ambient Air

February 17, 2024 4:23 pm

02/20/2024

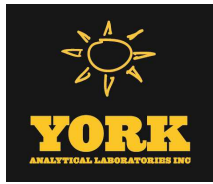
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.02	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
67-63-0	Isopropanol	3.09		ug/m ³	0.468	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.390	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.343	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
75-09-2	Methylene chloride	1.69		ug/m ³	0.661	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
91-20-3	* Naphthalene	ND		ug/m ³	0.998	0.952	EPA TO-15 Certifications: NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
142-82-5	n-Heptane	ND		ug/m ³	0.390	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
110-54-3	n-Hexane	0.403		ug/m ³	0.336	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
95-47-6	o-Xylene	1.36		ug/m ³	0.413	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
179601-23-1	p- & m- Xylenes	1.98		ug/m ³	0.827	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
622-96-8	* p-Ethyltoluene	0.936		ug/m ³	0.468	0.952	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 19:36	VH
115-07-1	* Propylene	ND		ug/m ³	0.164	0.952	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 19:36	VH
100-42-5	Styrene	ND		ug/m ³	0.406	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.646	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.562	0.952	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 19:36	VH
108-88-3	Toluene	1.72		ug/m ³	0.359	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.377	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.432	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
79-01-6	Trichloroethylene	ND		ug/m ³	0.128	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
75-69-4	Trichlorofluoromethane (Freon 11)	1.28		ug/m ³	0.535	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
108-05-4	Vinyl acetate	ND		ug/m ³	0.335	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
593-60-2	Vinyl bromide	ND		ug/m ³	0.416	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH



Sample Information

Client Sample ID: C241174_AA02_021724

York Sample ID: 24B1051-01

York Project (SDG) No.
24B1051

Client Project ID
170340203

Matrix
Outdoor Ambient Air

Collection Date/Time
February 17, 2024 4:23 pm

Date Received
02/20/2024

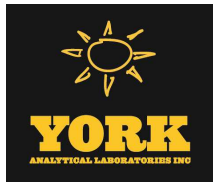
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.122	0.952	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 19:36	VH
1330-20-7	* Xylenes, Total	3.35		ug/m ³	1.24	0.952	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 19:36	VH



Sample Information

Client Sample ID: C241174_LR-IA01_MW30D_021724

York Sample ID: 24B1051-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1051

170340203

Indoor Ambient Air

February 17, 2024 4:24 pm

02/20/2024

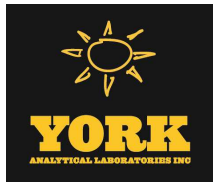
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.665	0.968	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 20:21	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.528	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.665	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.742	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.528	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.392	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.192	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.718	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
95-63-6	1,2,4-Trimethylbenzene	1.24		ug/m ³	0.476	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.744	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.582	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.392	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.447	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.677	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
108-67-8	1,3,5-Trimethylbenzene	0.476		ug/m ³	0.476	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
106-99-0	1,3-Butadiene	ND		ug/m ³	0.642	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.582	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.447	0.968	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 20:21	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.582	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.698	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
78-93-3	2-Butanone	10.8		ug/m ³	0.285	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
591-78-6	* 2-Hexanone	ND		ug/m ³	0.793	0.968	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 20:21	VH



Sample Information

Client Sample ID: C241174_LR-IA01_MW30D_021724

York Sample ID: 24B1051-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1051

170340203

Indoor Ambient Air

February 17, 2024 4:24 pm

02/20/2024

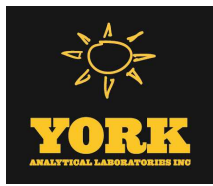
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	1.51	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
108-10-1	4-Methyl-2-pentanone	0.833		ug/m ³	0.397	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
67-64-1	Acetone	94.5		ug/m ³	0.460	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
107-13-1	Acrylonitrile	0.336	B	ug/m ³	0.210	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
71-43-2	Benzene	0.711		ug/m ³	0.309	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.501	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.649	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
75-25-2	Bromoform	ND		ug/m ³	1.00	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
74-83-9	Bromomethane	ND		ug/m ³	0.376	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
75-15-0	Carbon disulfide	3.38		ug/m ³	0.301	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
56-23-5	Carbon tetrachloride	0.426		ug/m ³	0.152	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.446	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
75-00-3	Chloroethane	ND		ug/m ³	0.255	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
67-66-3	Chloroform	ND		ug/m ³	0.473	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
74-87-3	Chloromethane	0.999		ug/m ³	0.200	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.192	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.439	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
110-82-7	Cyclohexane	0.833		ug/m ³	0.333	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	0.825	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
75-71-8	Dichlorodifluoromethane	2.01		ug/m ³	0.479	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
141-78-6	* Ethyl acetate	5.37		ug/m ³	0.698	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
100-41-4	Ethyl Benzene	0.841		ug/m ³	0.420	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH



Sample Information

Client Sample ID: C241174_LR-IA01_MW30D_021724

York Sample ID: 24B1051-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1051

170340203

Indoor Ambient Air

February 17, 2024 4:24 pm

02/20/2024

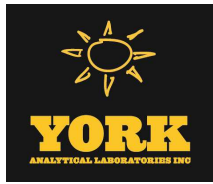
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.03	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
67-63-0	Isopropanol	13.6		ug/m ³	0.476	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
80-62-6	Methyl Methacrylate	60.0		ug/m ³	0.396	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.349	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
75-09-2	Methylene chloride	159		ug/m ³	0.672	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
91-20-3	* Naphthalene	ND		ug/m ³	1.01	0.968	EPA TO-15 Certifications: NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
142-82-5	n-Heptane	4.72		ug/m ³	0.397	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
110-54-3	n-Hexane	4.23		ug/m ³	0.341	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
95-47-6	o-Xylene	1.01		ug/m ³	0.420	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
179601-23-1	p- & m- Xylenes	3.53		ug/m ³	0.841	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
622-96-8	* p-Ethyltoluene	0.714		ug/m ³	0.476	0.968	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 20:21	VH
115-07-1	* Propylene	ND		ug/m ³	0.167	0.968	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 20:21	VH
100-42-5	Styrene	0.660		ug/m ³	0.412	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.657	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
109-99-9	* Tetrahydrofuran	10.1		ug/m ³	0.571	0.968	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 20:21	VH
108-88-3	Toluene	16.8		ug/m ³	0.365	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.384	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.439	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
79-01-6	Trichloroethylene	0.624		ug/m ³	0.130	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
75-69-4	Trichlorofluoromethane (Freon 11)	1.20		ug/m ³	0.544	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
108-05-4	Vinyl acetate	ND		ug/m ³	0.341	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
593-60-2	Vinyl bromide	ND		ug/m ³	0.423	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH



Sample Information

Client Sample ID: C241174_LR-IA01_MW30D_021724

York Sample ID: 24B1051-02

York Project (SDG) No.
24B1051

Client Project ID
170340203

Matrix
Indoor Ambient Air

Collection Date/Time
February 17, 2024 4:24 pm

Date Received
02/20/2024

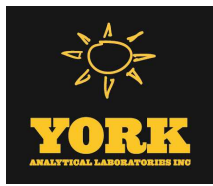
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.124	0.968	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 20:21	VH
1330-20-7	* Xylenes, Total	4.54		ug/m ³	1.26	0.968	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 20:21	VH



Sample Information

Client Sample ID: C241174_LR-IA02_MW34D_021724

York Sample ID: 24B1051-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1051

170340203

Indoor Ambient Air

February 17, 2024 4:26 pm

02/20/2024

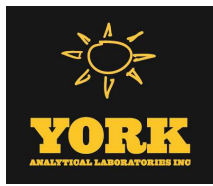
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.695	1.013	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 21:07	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.553	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.695	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.776	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.553	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.410	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.201	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.752	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
95-63-6	1,2,4-Trimethylbenzene	8.12		ug/m ³	0.498	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.778	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.609	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.410	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.468	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.708	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
108-67-8	1,3,5-Trimethylbenzene	2.04		ug/m ³	0.498	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
106-99-0	1,3-Butadiene	ND		ug/m ³	0.672	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.609	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.468	1.013	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 21:07	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.609	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.730	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
78-93-3	2-Butanone	3.47		ug/m ³	0.299	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
591-78-6	* 2-Hexanone	ND		ug/m ³	0.830	1.013	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 21:07	VH



Sample Information

Client Sample ID: C241174_LR-IA02_MW34D_021724

York Sample ID: 24B1051-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1051

170340203

Indoor Ambient Air

February 17, 2024 4:26 pm

02/20/2024

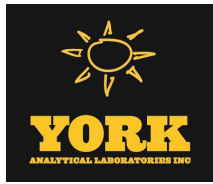
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	1.59	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.415	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
67-64-1	Acetone	94.9		ug/m ³	0.963	2.026	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/27/2024 17:49	VH
107-13-1	Acrylonitrile	0.462	B	ug/m ³	0.220	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
71-43-2	Benzene	ND		ug/m ³	0.324	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.524	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.679	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
75-25-2	Bromoform	ND		ug/m ³	1.05	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
74-83-9	Bromomethane	ND		ug/m ³	0.393	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
75-15-0	Carbon disulfide	12.8		ug/m ³	0.315	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
56-23-5	Carbon tetrachloride	0.446		ug/m ³	0.159	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.466	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
75-00-3	Chloroethane	ND		ug/m ³	0.267	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
67-66-3	Chloroform	ND		ug/m ³	0.495	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
74-87-3	Chloromethane	1.07		ug/m ³	0.209	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.201	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.460	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
110-82-7	Cyclohexane	34.2		ug/m ³	0.349	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	0.863	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
75-71-8	Dichlorodifluoromethane	2.25		ug/m ³	0.501	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
141-78-6	* Ethyl acetate	ND		ug/m ³	0.730	1.013	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 21:07	VH
100-41-4	Ethyl Benzene	4.97		ug/m ³	0.440	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH



Sample Information

Client Sample ID: C241174_LR-IA02_MW34D_021724

York Sample ID: 24B1051-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B1051

170340203

Indoor Ambient Air

February 17, 2024 4:26 pm

02/20/2024

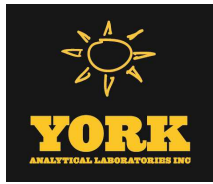
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.08	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
67-63-0	Isopropanol	18.5		ug/m ³	0.498	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.415	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.365	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
75-09-2	Methylene chloride	11.5		ug/m ³	0.704	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
91-20-3	* Naphthalene	ND		ug/m ³	1.06	1.013	EPA TO-15 Certifications: NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
142-82-5	n-Heptane	89.9		ug/m ³	0.415	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
110-54-3	n-Hexane	51.5		ug/m ³	0.357	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
95-47-6	o-Xylene	5.85		ug/m ³	0.440	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
179601-23-1	p- & m- Xylenes	16.5		ug/m ³	0.880	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
622-96-8	* p-Ethyltoluene	3.74		ug/m ³	0.498	1.013	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 21:07	VH
115-07-1	* Propylene	ND		ug/m ³	0.174	1.013	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 21:07	VH
100-42-5	Styrene	0.432		ug/m ³	0.432	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.687	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.598	1.013	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 21:07	VH
108-88-3	Toluene	14.7		ug/m ³	0.382	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.402	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.460	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
79-01-6	Trichloroethylene	ND		ug/m ³	0.136	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
75-69-4	Trichlorofluoromethane (Freon 11)	1.20		ug/m ³	0.569	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
108-05-4	Vinyl acetate	ND		ug/m ³	0.357	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
593-60-2	Vinyl bromide	ND		ug/m ³	0.443	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH



Sample Information

Client Sample ID: C241174_LR-IA02_MW34D_021724

York Sample ID: 24B1051-03

York Project (SDG) No.
24B1051

Client Project ID
170340203

Matrix
Indoor Ambient Air

Collection Date/Time
February 17, 2024 4:26 pm

Date Received
02/20/2024

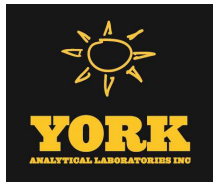
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.129	1.013	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/22/2024 09:00	02/23/2024 21:07	VH
1330-20-7	* Xylenes, Total	22.3		ug/m ³	1.32	1.013	EPA TO-15 Certifications:	02/22/2024 09:00	02/23/2024 21:07	VH



Analytical Batch Summary

Batch ID: BB41057 **Preparation Method:** EPA TO15 PREP **Prepared By:** VH

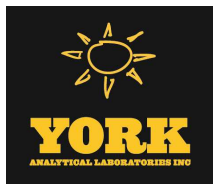
YORK Sample ID	Client Sample ID	Preparation Date
24B0706-01	CAN 15522 / FC 17190	02/16/24
24B0706-02	CAN 16976 / FC 6877	02/16/24
24B0706-04	CAN 48294 / FC 7363	02/16/24
BB41057-BLK1	Blank	02/16/24
BB41057-BS1	LCS	02/16/24
BB41057-DUP1	Duplicate	02/16/24

Batch ID: BB41687 **Preparation Method:** EPA TO15 PREP **Prepared By:** YR

YORK Sample ID	Client Sample ID	Preparation Date
24B1051-03RE1	C241174_LR-IA02_MW34D_C	02/22/24
BB41687-BLK1	Blank	02/23/24
BB41687-BS1	LCS	02/23/24
BB41687-DUP1	Duplicate	02/23/24

Batch ID: BB41689 **Preparation Method:** EPA TO15 PREP **Prepared By:** YR

YORK Sample ID	Client Sample ID	Preparation Date
24B1051-01	C241174_AA02_021724	02/22/24
24B1051-02	C241174_LR-IA01_MW30D_C	02/22/24
24B1051-03	C241174_LR-IA02_MW34D_C	02/22/24
BB41689-BLK1	Blank	02/22/24
BB41689-BS1	LCS	02/22/24
BB41689-DUP1	Duplicate	02/22/24



Volatile Organic Compounds in Air by GC/MS - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB41057 - EPA TO15 PREP

Blank (BB41057-BLK1)	Blank	Prepared & Analyzed: 02/16/2024									
1,1,1,2-Tetrachloroethane	ND	0.687	ug/m ³								
1,1,1-Trichloroethane	ND	0.546	"								
1,1,2,2-Tetrachloroethane	ND	0.687	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.766	"								
1,1,2-Trichloroethane	ND	0.546	"								
1,1-Dichloroethane	ND	0.405	"								
1,1-Dichloroethylene	ND	0.198	"								
1,2,4-Trichlorobenzene	1.19	0.742	"								
1,2,4-Trimethylbenzene	ND	0.492	"								
1,2-Dibromoethane	ND	0.768	"								
1,2-Dichlorobenzene	ND	0.601	"								
1,2-Dichloroethane	ND	0.405	"								
1,2-Dichloropropane	ND	0.462	"								
1,2-Dichlorotetrafluoroethane	ND	0.699	"								
1,3,5-Trimethylbenzene	ND	0.492	"								
1,3-Butadiene	ND	0.664	"								
1,3-Dichlorobenzene	ND	0.601	"								
1,3-Dichloropropane	ND	0.462	"								
1,4-Dichlorobenzene	ND	0.601	"								
1,4-Dioxane	ND	0.721	"								
2-Butanone	ND	0.295	"								
2-Hexanone	ND	0.819	"								
3-Chloropropene	ND	1.57	"								
4-Methyl-2-pentanone	ND	0.410	"								
Acetone	ND	0.475	"								
Acrylonitrile	0.239	0.217	"								
Benzene	ND	0.319	"								
Benzyl chloride	ND	0.518	"								
Bromodichloromethane	ND	0.670	"								
Bromoform	ND	1.03	"								
Bromomethane	ND	0.388	"								
Carbon disulfide	ND	0.311	"								
Carbon tetrachloride	ND	0.157	"								
Chlorobenzene	ND	0.460	"								
Chloroethane	ND	0.264	"								
Chloroform	ND	0.488	"								
Chloromethane	ND	0.207	"								
cis-1,2-Dichloroethylene	ND	0.198	"								
cis-1,3-Dichloropropylene	ND	0.454	"								
Cyclohexane	ND	0.344	"								
Dibromochloromethane	ND	0.852	"								
Dichlorodifluoromethane	ND	0.495	"								
Ethyl acetate	ND	0.721	"								
Ethyl Benzene	ND	0.434	"								
Hexachlorobutadiene	ND	1.07	"								
Isopropanol	0.615	0.492	"								
Methyl Methacrylate	ND	0.409	"								
Methyl tert-butyl ether (MTBE)	ND	0.361	"								
Methylene chloride	ND	0.695	"								
Naphthalene	1.31	1.05	"								



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

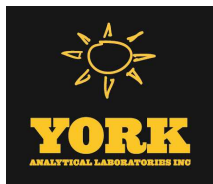
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB41057 - EPA TO15 PREP

Blank (BB41057-BLK1)	Blank	Prepared & Analyzed: 02/16/2024									
n-Heptane	ND	0.410	ug/m ³								
n-Hexane	ND	0.352	"								
o-Xylene	ND	0.434	"								
p- & m- Xylenes	ND	0.868	"								
p-Ethyltoluene	ND	0.492	"								
Propylene	ND	0.172	"								
Styrene	ND	0.426	"								
Tetrachloroethylene	ND	0.678	"								
Tetrahydrofuran	ND	0.590	"								
Toluene	ND	0.377	"								
trans-1,2-Dichloroethylene	ND	0.396	"								
trans-1,3-Dichloropropylene	ND	0.454	"								
Trichloroethylene	ND	0.134	"								
Trichlorofluoromethane (Freon 11)	ND	0.562	"								
Vinyl acetate	ND	0.352	"								
Vinyl bromide	ND	0.437	"								
Vinyl Chloride	ND	0.128	"								
Xylenes, Total	ND	1.30	"								

LCS (BB41057-BS1)	LCS	Prepared & Analyzed: 02/16/2024									
1,1,1,2-Tetrachloroethane	12.1		ppbv	10.0	121	70-130					
1,1,1-Trichloroethane	11.1		"	10.0	111	70-130					
1,1,2,2-Tetrachloroethane	11.1		"	10.0	111	70-130					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.0		"	10.0	120	70-130					
1,1,2-Trichloroethane	11.1		"	10.0	111	70-130					
1,1-Dichloroethane	12.0		"	10.0	120	70-130					
1,1-Dichloroethylene	12.4		"	10.0	124	70-130					
1,2,4-Trichlorobenzene	8.47		"	10.0	84.7	70-130					
1,2,4-Trimethylbenzene	12.2		"	10.0	122	70-130					
1,2-Dibromoethane	10.5		"	10.0	105	70-130					
1,2-Dichlorobenzene	11.4		"	10.0	114	70-130					
1,2-Dichloroethane	11.5		"	10.0	115	70-130					
1,2-Dichloropropane	11.7		"	10.0	117	70-130					
1,2-Dichlorotetrafluoroethane	15.0		"	10.0	150	70-130			High Bias		
1,3,5-Trimethylbenzene	12.2		"	10.0	122	70-130					
1,3-Butadiene	16.4		"	10.0	164	70-130			High Bias		
1,3-Dichlorobenzene	11.8		"	10.0	118	70-130					
1,3-Dichloropropane	11.2		"	10.0	112	70-130					
1,4-Dichlorobenzene	11.6		"	10.0	116	70-130					
1,4-Dioxane	10.3		"	10.0	103	70-130					
2-Butanone	10.9		"	10.0	109	70-130					
2-Hexanone	10.2		"	10.0	102	70-130					
3-Chloropropene	10.8		"	10.0	108	70-130					
4-Methyl-2-pentanone	11.0		"	10.0	110	70-130					
Acetone	11.8		"	10.0	118	70-130					
Acrylonitrile	9.38		"	10.0	93.8	70-130					
Benzene	10.6		"	10.0	106	70-130					
Benzyl chloride	11.9		"	10.0	119	70-130					
Bromodichloromethane	11.9		"	10.0	119	70-130					
Bromoform	11.6		"	10.0	116	70-130					
Bromomethane	11.7		"	10.0	117	70-130					



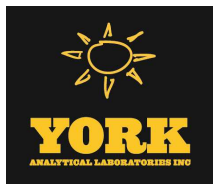
Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB41057 - EPA TO15 PREP

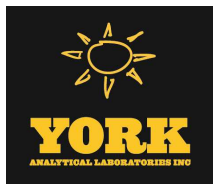
LCS (BB41057-BS1)	LCS	Prepared & Analyzed: 02/16/2024									
Carbon disulfide	10.4		ppbv	10.0		104	70-130				
Carbon tetrachloride	12.6		"	10.0		126	70-130				
Chlorobenzene	12.0		"	10.0		120	70-130				
Chloroethane	11.9		"	10.0		119	70-130				
Chloroform	11.3		"	10.0		113	70-130				
Chloromethane	16.1		"	10.0		161	70-130	High Bias			
cis-1,2-Dichloroethylene	10.1		"	10.0		101	70-130				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130				
Cyclohexane	11.1		"	10.0		111	70-130				
Dibromochloromethane	11.1		"	10.0		111	70-130				
Dichlorodifluoromethane	12.6		"	10.0		126	70-130				
Ethyl acetate	9.88		"	10.0		98.8	70-130				
Ethyl Benzene	12.3		"	10.0		123	70-130				
Hexachlorobutadiene	11.0		"	10.0		110	70-130				
Isopropanol	10.2		"	10.0		102	70-130				
Methyl Methacrylate	10.9		"	10.0		109	70-130				
Methyl tert-butyl ether (MTBE)	11.6		"	10.0		116	70-130				
Methylene chloride	11.3		"	10.0		113	70-130				
Naphthalene	6.58		"	10.0		65.8	70-130	Low Bias			
n-Heptane	11.2		"	10.0		112	70-130				
n-Hexane	11.5		"	10.0		115	70-130				
o-Xylene	12.2		"	10.0		122	70-130				
p- & m- Xylenes	24.9		"	20.0		124	70-130				
p-Ethyltoluene	12.8		"	10.0		128	70-130				
Propylene	11.2		"	10.0		112	70-130				
Styrene	12.0		"	10.0		120	70-130				
Tetrachloroethylene	9.77		"	10.0		97.7	70-130				
Tetrahydrofuran	11.5		"	10.0		115	70-130				
Toluene	11.0		"	10.0		110	70-130				
trans-1,2-Dichloroethylene	11.7		"	10.0		117	70-130				
trans-1,3-Dichloropropylene	10.2		"	10.0		102	70-130				
Trichloroethylene	12.3		"	10.0		123	70-130				
Trichlorofluoromethane (Freon 11)	12.3		"	10.0		123	70-130				
Vinyl acetate	8.39		"	10.0		83.9	70-130				
Vinyl bromide	12.1		"	10.0		121	70-130				
Vinyl Chloride	16.2		"	10.0		162	70-130	High Bias			
Xylenes, Total	161	1.30	ug/m ³								



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BB41057 - EPA TO15 PREP												
Duplicate (BB41057-DUP1)	Duplicate	*Source sample: 24B0529-07 (Duplicate)						Prepared & Analyzed: 02/16/2024				
1,1,1,2-Tetrachloroethane	ND	0.590	ug/m ³		ND					25		
1,1,1-Trichloroethane	ND	0.469	"		ND					25		
1,1,2,2-Tetrachloroethane	ND	0.590	"		ND					25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.658	"		ND					25		
1,1,2-Trichloroethane	ND	0.469	"		ND					25		
1,1-Dichloroethane	ND	0.348	"		ND					25		
1,1-Dichloroethylene	ND	0.170	"		ND					25		
1,2,4-Trichlorobenzene	ND	0.637	"		ND					25		
1,2,4-Trimethylbenzene	2.96	0.422	"		2.91				1.44	25		
1,2-Dibromoethane	ND	0.660	"		ND					25		
1,2-Dichlorobenzene	ND	0.516	"		ND					25		
1,2-Dichloroethane	ND	0.348	"		ND					25		
1,2-Dichloropropane	ND	0.397	"		ND					25		
1,2-Dichlorotetrafluoroethane	ND	0.600	"		ND					25		
1,3,5-Trimethylbenzene	0.718	0.422	"		0.802				11.1	25		
1,3-Butadiene	ND	0.570	"		ND					25		
1,3-Dichlorobenzene	ND	0.516	"		ND					25		
1,3-Dichloropropane	ND	0.397	"		ND					25		
1,4-Dichlorobenzene	ND	0.516	"		ND					25		
1,4-Dioxane	ND	0.619	"		ND					25		
2-Butanone	0.861	0.253	"		0.861				0.00	25		
2-Hexanone	ND	0.704	"		ND					25		
3-Chloropropene	ND	1.34	"		ND					25		
4-Methyl-2-pentanone	ND	0.352	"		ND					25		
Acetone	13.0	0.408	"		13.1				0.781	25		
Acrylonitrile	ND	0.186	"		ND					25		
Benzene	1.59	0.274	"		1.59				0.00	25		
Benzyl chloride	ND	0.445	"		ND					25		
Bromodichloromethane	0.288	0.575	"		0.288				0.00	25		
Bromoform	ND	0.888	"		ND					25		
Bromomethane	ND	0.334	"		ND					25		
Carbon disulfide	ND	0.268	"		ND					25		
Carbon tetrachloride	0.540	0.135	"		0.540				0.00	25		
Chlorobenzene	ND	0.395	"		ND					25		
Chloroethane	ND	0.227	"		ND					25		
Chloroform	3.31	0.419	"		3.31				0.00	25		
Chloromethane	2.34	0.177	"		2.20				6.25	25		
cis-1,2-Dichloroethylene	1.33	0.170	"		1.50				12.0	25		
cis-1,3-Dichloropropylene	ND	0.390	"		ND					25		
Cyclohexane	0.444	0.296	"		0.414				6.90	25		
Dibromochloromethane	ND	0.732	"		ND					25		
Dichlorodifluoromethane	3.14	0.425	"		3.14				0.00	25		
Ethyl acetate	0.743	0.619	"		0.774				4.08	25		
Ethyl Benzene	0.522	0.373	"		0.522				0.00	25		
Hexachlorobutadiene	ND	0.916	"		ND					25		
Isopropanol	6.82	0.422	"		6.86				0.617	25		
Methyl Methacrylate	ND	0.352	"		ND					25		
Methyl tert-butyl ether (MTBE)	ND	0.310	"		ND					25		
Methylene chloride	0.865	0.597	"		0.806				7.14	25		
Naphthalene	2.75	0.901	"		2.66				3.33	25		
n-Heptane	0.739	0.352	"		0.739				0.00	25		



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB41057 - EPA TO15 PREP

Duplicate (BB41057-DUP1)	Duplicate	*Source sample: 24B0529-07 (Duplicate)				Prepared & Analyzed: 02/16/2024					
n-Hexane	1.03	0.303	ug/m ³	0.999					2.99	25	
o-Xylene	0.709	0.373	"	0.783				10.0	25		
p- & m- Xylenes	1.86	0.746	"	1.90				1.98	25		
p-Ethyltoluene	1.22	0.422	"	1.22				0.00	25		
Propylene	ND	0.148	"	ND					25		
Styrene	ND	0.366	"	ND					25		
Tetrachloroethylene	21.8	0.583	"	21.8				0.267	25		
Tetrahydrofuran	ND	0.507	"	ND					25		
Toluene	3.46	0.324	"	3.37				2.84	25		
trans-1,2-Dichloroethylene	ND	0.341	"	ND					25		
trans-1,3-Dichloropropylene	ND	0.390	"	ND					25		
Trichloroethylene	0.508	0.115	"	0.508				0.00	25		
Trichlorofluoromethane (Freon 11)	1.50	0.483	"	1.45				3.28	25		
Vinyl acetate	ND	0.302	"	ND					25		
Vinyl bromide	ND	0.376	"	ND					25		
Vinyl Chloride	0.483	0.110	"	0.461				4.65	25		
Xylenes, Total	2.57	1.12	"	2.69				4.26	200		

Batch BB41687 - EPA TO15 PREP

Blank (BB41687-BLK1)	Blank	Prepared: 02/23/2024 Analyzed: 02/27/2024									
1,1,1,2-Tetrachloroethane	ND	0.687	ug/m ³								
1,1,1-Trichloroethane	ND	0.546	"								
1,1,2,2-Tetrachloroethane	ND	0.687	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.766	"								
1,1,2-Trichloroethane	ND	0.546	"								
1,1-Dichloroethane	ND	0.405	"								
1,1-Dichloroethylene	ND	0.198	"								
1,2,4-Trichlorobenzene	ND	0.742	"								
1,2,4-Trimethylbenzene	ND	0.492	"								
1,2-Dibromoethane	ND	0.768	"								
1,2-Dichlorobenzene	ND	0.601	"								
1,2-Dichloroethane	ND	0.405	"								
1,2-Dichloropropane	ND	0.462	"								
1,2-Dichlorotetrafluoroethane	ND	0.699	"								
1,3,5-Trimethylbenzene	ND	0.492	"								
1,3-Butadiene	ND	0.664	"								
1,3-Dichlorobenzene	ND	0.601	"								
1,3-Dichloropropane	ND	0.462	"								
1,4-Dichlorobenzene	ND	0.601	"								
1,4-Dioxane	ND	0.721	"								
2-Butanone	0.826	0.295	"								
2-Hexanone	ND	0.819	"								
3-Chloropropene	ND	1.57	"								
4-Methyl-2-pentanone	ND	0.410	"								
Acetone	ND	0.475	"								
Acrylonitrile	ND	0.217	"								
Benzene	ND	0.319	"								
Benzyl chloride	ND	0.518	"								
Bromodichloromethane	ND	0.670	"								
Bromoform	ND	1.03	"								



Volatile Organic Compounds in Air by GC/MS - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

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

Batch BB41687 - EPA TO15 PREP

Blank (BB41687-BLK1) Blank Prepared: 02/23/2024 Analyzed: 02/27/2024

Bromomethane	ND	0.388	ug/m ³
Carbon disulfide	ND	0.311	"
Carbon tetrachloride	ND	0.157	"
Chlorobenzene	ND	0.460	"
Chloroethane	ND	0.264	"
Chloroform	ND	0.488	"
Chloromethane	ND	0.207	"
cis-1,2-Dichloroethylene	ND	0.198	"
cis-1,3-Dichloropropylene	ND	0.454	"
Cyclohexane	ND	0.344	"
Dibromochloromethane	ND	0.852	"
Dichlorodifluoromethane	ND	0.495	"
Ethyl acetate	ND	0.721	"
Ethyl Benzene	ND	0.434	"
Hexachlorobutadiene	ND	1.07	"
Isopropanol	0.811	0.492	"
Methyl Methacrylate	ND	0.409	"
Methyl tert-butyl ether (MTBE)	ND	0.361	"
Methylene chloride	ND	0.695	"
Naphthalene	ND	1.05	"
n-Heptane	ND	0.410	"
n-Hexane	ND	0.352	"
o-Xylene	ND	0.434	"
p- & m- Xylenes	ND	0.868	"
p-Ethyltoluene	ND	0.492	"
Propylene	ND	0.172	"
Styrene	ND	0.426	"
Tetrachloroethylene	ND	0.678	"
Tetrahydrofuran	ND	0.590	"
Toluene	ND	0.377	"
trans-1,2-Dichloroethylene	ND	0.396	"
trans-1,3-Dichloropropylene	ND	0.454	"
Trichloroethylene	ND	0.134	"
Trichlorofluoromethane (Freon 11)	ND	0.562	"
Vinyl acetate	ND	0.352	"
Vinyl bromide	ND	0.437	"
Vinyl Chloride	ND	0.128	"
Xylenes, Total	ND	1.30	"



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

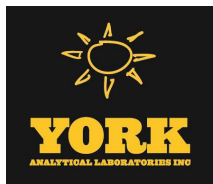
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB41687 - EPA TO15 PREP

LCS (BB41687-BS1) LCS Prepared: 02/23/2024 Analyzed: 02/27/2024

1,1,1,2-Tetrachloroethane	8.38		ppbv	10.0		83.8	70-130				
1,1,1-Trichloroethane	8.50		"	10.0		85.0	70-130				
1,1,2,2-Tetrachloroethane	8.24		"	10.0		82.4	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.94		"	10.0		89.4	70-130				
1,1,2-Trichloroethane	8.41		"	10.0		84.1	70-130				
1,1-Dichloroethane	9.01		"	10.0		90.1	70-130				
1,1-Dichloroethylene	8.89		"	10.0		88.9	70-130				
1,2,4-Trichlorobenzene	9.48		"	10.0		94.8	70-130				
1,2,4-Trimethylbenzene	8.56		"	10.0		85.6	70-130				
1,2-Dibromoethane	8.52		"	10.0		85.2	70-130				
1,2-Dichlorobenzene	8.83		"	10.0		88.3	70-130				
1,2-Dichloroethane	8.63		"	10.0		86.3	70-130				
1,2-Dichloropropane	8.39		"	10.0		83.9	70-130				
1,2-Dichlorotetrafluoroethane	8.67		"	10.0		86.7	70-130				
1,3,5-Trimethylbenzene	8.41		"	10.0		84.1	70-130				
1,3-Butadiene	8.28		"	10.0		82.8	70-130				
1,3-Dichlorobenzene	8.73		"	10.0		87.3	70-130				
1,3-Dichloropropane	8.56		"	10.0		85.6	70-130				
1,4-Dichlorobenzene	8.85		"	10.0		88.5	70-130				
1,4-Dioxane	9.07		"	10.0		90.7	70-130				
2-Butanone	7.89		"	10.0		78.9	70-130				
2-Hexanone	8.64		"	10.0		86.4	70-130				
3-Chloropropene	8.10		"	10.0		81.0	70-130				
4-Methyl-2-pentanone	8.45		"	10.0		84.5	70-130				
Acetone	8.09		"	10.0		80.9	70-130				
Acrylonitrile	6.91		"	10.0		69.1	70-130	Low Bias			
Benzene	8.71		"	10.0		87.1	70-130				
Benzyl chloride	9.45		"	10.0		94.5	70-130				
Bromodichloromethane	8.44		"	10.0		84.4	70-130				
Bromoform	9.33		"	10.0		93.3	70-130				
Bromomethane	8.70		"	10.0		87.0	70-130				
Carbon disulfide	9.28		"	10.0		92.8	70-130				
Carbon tetrachloride	9.10		"	10.0		91.0	70-130				
Chlorobenzene	8.31		"	10.0		83.1	70-130				
Chloroethane	8.76		"	10.0		87.6	70-130				
Chloroform	8.74		"	10.0		87.4	70-130				
Chloromethane	6.34		"	10.0		63.4	70-130	Low Bias			
cis-1,2-Dichloroethylene	8.57		"	10.0		85.7	70-130				
cis-1,3-Dichloropropylene	8.39		"	10.0		83.9	70-130				
Cyclohexane	8.65		"	10.0		86.5	70-130				
Dibromochloromethane	9.05		"	10.0		90.5	70-130				
Dichlorodifluoromethane	9.20		"	10.0		92.0	70-130				
Ethyl acetate	8.40		"	10.0		84.0	70-130				
Ethyl Benzene	8.17		"	10.0		81.7	70-130				
Hexachlorobutadiene	9.01		"	10.0		90.1	70-130				
Isopropanol	9.01		"	10.0		90.1	70-130				
Methyl Methacrylate	8.86		"	10.0		88.6	70-130				
Methyl tert-butyl ether (MTBE)	8.76		"	10.0		87.6	70-130				
Methylene chloride	8.30		"	10.0		83.0	70-130				
Naphthalene	8.63		"	10.0		86.3	70-130				
n-Heptane	8.50		"	10.0		85.0	70-130				



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

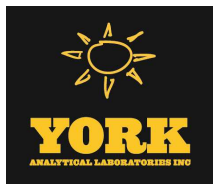
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB41687 - EPA TO15 PREP

LCS (BB41687-BS1)	LCS	Prepared: 02/23/2024 Analyzed: 02/27/2024									
n-Hexane	8.65		ppbv	10.0		86.5	70-130				
o-Xylene	8.19		"	10.0		81.9	70-130				
p- & m- Xylenes	16.8		"	20.0		83.8	70-130				
p-Ethyltoluene	8.45		"	10.0		84.5	70-130				
Propylene	8.01		"	10.0		80.1	70-130				
Styrene	8.58		"	10.0		85.8	70-130				
Tetrachloroethylene	8.55		"	10.0		85.5	70-130				
Tetrahydrofuran	8.44		"	10.0		84.4	70-130				
Toluene	8.13		"	10.0		81.3	70-130				
trans-1,2-Dichloroethylene	8.85		"	10.0		88.5	70-130				
trans-1,3-Dichloropropylene	8.42		"	10.0		84.2	70-130				
Trichloroethylene	8.19		"	10.0		81.9	70-130				
Trichlorofluoromethane (Freon 11)	8.81		"	10.0		88.1	70-130				
Vinyl acetate	8.89		"	10.0		88.9	70-130				
Vinyl bromide	8.57		"	10.0		85.7	70-130				
Vinyl Chloride	7.24		"	10.0		72.4	70-130				
Xylenes, Total	108	1.30	ug/m ³								

Duplicate (BB41687-DUP1)	Duplicate	*Source sample: 24B1173-05 (Duplicate)									
1,1,1,2-Tetrachloroethane	ND	1.06	ug/m ³		ND						25
1,1,1-Trichloroethane	ND	0.844	"		ND						25
1,1,2,2-Tetrachloroethane	ND	1.06	"		ND						25
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.18	"		ND						25
1,1,2-Trichloroethane	1.18	0.844	"		ND						25
1,1-Dichloroethane	ND	0.626	"		ND						25
1,1-Dichloroethylene	ND	0.306	"		ND						25
1,2,4-Trichlorobenzene	ND	1.15	"		ND						25
1,2,4-Trimethylbenzene	5.85	0.760	"	5.70				2.63			25
1,2-Dibromoethane	ND	1.19	"		ND						25
1,2-Dichlorobenzene	ND	0.929	"		ND						25
1,2-Dichloroethane	ND	0.626	"		ND						25
1,2-Dichloropropane	ND	0.714	"		ND						25
1,2-Dichlorotetrafluoroethane	ND	1.08	"		ND						25
1,3,5-Trimethylbenzene	1.67	0.760	"	1.67				0.00			25
1,3-Butadiene	ND	1.03	"		ND						25
1,3-Dichlorobenzene	ND	0.929	"		ND						25
1,3-Dichloropropane	ND	0.714	"		ND						25
1,4-Dichlorobenzene	ND	0.929	"		ND						25
1,4-Dioxane	ND	1.11	"		ND						25
2-Butanone	37.2	0.456	"	36.7				1.23			25
2-Hexanone	6.14	1.27	"	6.14				0.00			25
3-Chloropropene	ND	2.42	"		ND						25
4-Methyl-2-pentanone	ND	0.633	"		ND						25
Acetone	18.3	0.734	"	18.3				0.201			25
Acrylonitrile	ND	0.336	"		ND						25
Benzene	0.543	0.494	"	0.543				0.00			25
Benzyl chloride	0.480	0.800	"		ND						25
Bromodichloromethane	2.07	1.04	"		ND						25
Bromoform	ND	1.60	"		ND						25
Bromomethane	ND	0.600	"		ND						25
Carbon disulfide	2.84	0.481	"	2.84				0.00			25



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB41687 - EPA TO15 PREP

Duplicate (BB41687-DUP1) Duplicate *Source sample: 24B1173-05 (Duplicate) Prepared: 02/23/2024 Analyzed: 02/27/2024

Carbon tetrachloride	ND	0.243	ug/m ³		ND					25	
Chlorobenzene	ND	0.712	"		ND					25	
Chloroethane	ND	0.408	"		ND					25	
Chloroform	ND	0.755	"		ND					25	
Chloromethane	ND	0.319	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.306	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.702	"		ND					25	
Cyclohexane	0.745	0.532	"		0.692				7.41	25	
Dibromochloromethane	15.4	1.32	"		ND					25	
Dichlorodifluoromethane	2.14	0.765	"		2.14				0.00	25	
Ethyl acetate	ND	1.11	"		ND					25	
Ethyl Benzene	4.10	0.671	"		4.10				0.00	25	
Hexachlorobutadiene	ND	1.65	"		ND					25	
Isopropanol	ND	0.760	"		ND					25	
Methyl Methacrylate	0.443	0.633	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.557	"		ND					25	
Methylene chloride	ND	1.07	"		ND					25	
Naphthalene	ND	1.62	"		ND					25	
n-Heptane	0.824	0.634	"		0.760				8.00	25	
n-Hexane	0.490	0.545	"		0.545				10.5	25	
o-Xylene	5.10	0.671	"		5.03				1.32	25	
p- & m- Xylenes	14.2	1.34	"		14.0				1.90	25	
p-Ethyltoluene	6.23	0.760	"		6.08				2.47	25	
Propylene	3.27	0.266	"		3.14				4.15	25	
Styrene	0.659	0.659	"		0.659				0.00	25	
Tetrachloroethylene	21.2	1.05	"		20.9				1.50	25	
Tetrahydrofuran	ND	0.912	"		ND					25	
Toluene	3.96	0.583	"		3.90				1.48	25	
trans-1,2-Dichloroethylene	ND	0.613	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.702	"		ND					25	
Trichloroethylene	1.58	0.208	"		1.50				5.41	25	
Trichlorofluoromethane (Freon 11)	1.04	0.869	"		1.04				0.00	25	
Vinyl acetate	ND	0.544	"		ND					25	
Vinyl bromide	ND	0.676	"		ND					25	
Vinyl Chloride	ND	0.198	"		ND					25	
Xylenes, Total	19.3	2.01	"		19.0				1.75	200	



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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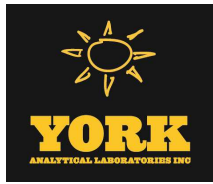
Batch BB41689 - EPA TO15 PREP

Blank (BB41689-BLK1)

Blank

Prepared: 02/22/2024 Analyzed: 02/23/2024

1,1,1,2-Tetrachloroethane	ND	0.687	ug/m ³
1,1,1-Trichloroethane	ND	0.546	"
1,1,2,2-Tetrachloroethane	ND	0.687	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.766	"
1,1,2-Trichloroethane	ND	0.546	"
1,1-Dichloroethane	ND	0.405	"
1,1-Dichloroethylene	ND	0.198	"
1,2,4-Trichlorobenzene	ND	0.742	"
1,2,4-Trimethylbenzene	ND	0.492	"
1,2-Dibromoethane	ND	0.768	"
1,2-Dichlorobenzene	ND	0.601	"
1,2-Dichloroethane	ND	0.405	"
1,2-Dichloropropane	ND	0.462	"
1,2-Dichlorotetrafluoroethane	ND	0.699	"
1,3,5-Trimethylbenzene	ND	0.492	"
1,3-Butadiene	ND	0.664	"
1,3-Dichlorobenzene	ND	0.601	"
1,3-Dichloropropane	ND	0.462	"
1,4-Dichlorobenzene	ND	0.601	"
1,4-Dioxane	ND	0.721	"
2-Butanone	ND	0.295	"
2-Hexanone	ND	0.819	"
3-Chloropropene	ND	1.57	"
4-Methyl-2-pentanone	ND	0.410	"
Acetone	ND	0.475	"
Acrylonitrile	0.217	0.217	"
Benzene	ND	0.319	"
Benzyl chloride	ND	0.518	"
Bromodichloromethane	ND	0.670	"
Bromoform	ND	1.03	"
Bromomethane	ND	0.388	"
Carbon disulfide	ND	0.311	"
Carbon tetrachloride	ND	0.157	"
Chlorobenzene	ND	0.460	"
Chloroethane	ND	0.264	"
Chloroform	ND	0.488	"
Chloromethane	ND	0.207	"
cis-1,2-Dichloroethylene	ND	0.198	"
cis-1,3-Dichloropropylene	ND	0.454	"
Cyclohexane	ND	0.344	"
Dibromochloromethane	ND	0.852	"
Dichlorodifluoromethane	ND	0.495	"
Ethyl acetate	ND	0.721	"
Ethyl Benzene	ND	0.434	"
Hexachlorobutadiene	ND	1.07	"
Isopropanol	ND	0.492	"
Methyl Methacrylate	ND	0.409	"
Methyl tert-butyl ether (MTBE)	ND	0.361	"
Methylene chloride	ND	0.695	"
Naphthalene	ND	1.05	"
n-Heptane	ND	0.410	"



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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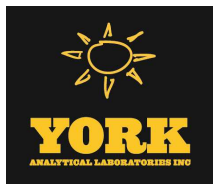
Batch BB41689 - EPA TO15 PREP

Blank (BB41689-BLK1) Blank Prepared: 02/22/2024 Analyzed: 02/23/2024

n-Hexane	ND	0.352	ug/m ³								
o-Xylene	ND	0.434	"								
p- & m- Xylenes	ND	0.868	"								
p-Ethyltoluene	ND	0.492	"								
Propylene	ND	0.172	"								
Styrene	ND	0.426	"								
Tetrachloroethylene	0.678	0.678	"								
Tetrahydrofuran	ND	0.590	"								
Toluene	ND	0.377	"								
trans-1,2-Dichloroethylene	ND	0.396	"								
trans-1,3-Dichloropropylene	ND	0.454	"								
Trichloroethylene	ND	0.134	"								
Trichlorofluoromethane (Freon 11)	ND	0.562	"								
Vinyl acetate	ND	0.352	"								
Vinyl bromide	ND	0.437	"								
Vinyl Chloride	ND	0.128	"								
Xylenes, Total	ND	1.30	"								

LCS (BB41689-BS1) LCS Prepared: 02/22/2024 Analyzed: 02/23/2024

1,1,1,2-Tetrachloroethane	9.04		ppbv	10.0	90.4	70-130					
1,1,1-Trichloroethane	8.98		"	10.0	89.8	70-130					
1,1,2,2-Tetrachloroethane	8.90		"	10.0	89.0	70-130					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.40		"	10.0	94.0	70-130					
1,1,2-Trichloroethane	9.03		"	10.0	90.3	70-130					
1,1-Dichloroethane	9.59		"	10.0	95.9	70-130					
1,1-Dichloroethylene	9.47		"	10.0	94.7	70-130					
1,2,4-Trichlorobenzene	10.1		"	10.0	101	70-130					
1,2,4-Trimethylbenzene	9.17		"	10.0	91.7	70-130					
1,2-Dibromoethane	9.20		"	10.0	92.0	70-130					
1,2-Dichlorobenzene	9.30		"	10.0	93.0	70-130					
1,2-Dichloroethane	9.06		"	10.0	90.6	70-130					
1,2-Dichloropropane	9.09		"	10.0	90.9	70-130					
1,2-Dichlorotetrafluoroethane	9.84		"	10.0	98.4	70-130					
1,3,5-Trimethylbenzene	9.27		"	10.0	92.7	70-130					
1,3-Butadiene	9.02		"	10.0	90.2	70-130					
1,3-Dichlorobenzene	9.21		"	10.0	92.1	70-130					
1,3-Dichloropropane	9.20		"	10.0	92.0	70-130					
1,4-Dichlorobenzene	9.36		"	10.0	93.6	70-130					
1,4-Dioxane	9.60		"	10.0	96.0	70-130					
2-Butanone	8.54		"	10.0	85.4	70-130					
2-Hexanone	9.56		"	10.0	95.6	70-130					
3-Chloropropene	8.95		"	10.0	89.5	70-130					
4-Methyl-2-pentanone	9.29		"	10.0	92.9	70-130					
Acetone	9.22		"	10.0	92.2	70-130					
Acrylonitrile	8.72		"	10.0	87.2	70-130					
Benzene	9.24		"	10.0	92.4	70-130					
Benzyl chloride	10.2		"	10.0	102	70-130					
Bromodichloromethane	9.07		"	10.0	90.7	70-130					
Bromoform	10.1		"	10.0	101	70-130					
Bromomethane	9.20		"	10.0	92.0	70-130					
Carbon disulfide	9.80		"	10.0	98.0	70-130					



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

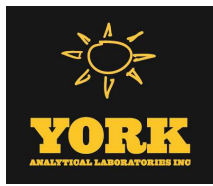
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB41689 - EPA TO15 PREP

LCS (BB41689-BS1) LCS Prepared: 02/22/2024 Analyzed: 02/23/2024

Carbon tetrachloride	9.43		ppbv	10.0		94.3	70-130				
Chlorobenzene	9.09		"	10.0		90.9	70-130				
Chloroethane	9.33		"	10.0		93.3	70-130				
Chloroform	9.19		"	10.0		91.9	70-130				
Chloromethane	8.45		"	10.0		84.5	70-130				
cis-1,2-Dichloroethylene	9.19		"	10.0		91.9	70-130				
cis-1,3-Dichloropropylene	9.05		"	10.0		90.5	70-130				
Cyclohexane	9.29		"	10.0		92.9	70-130				
Dibromochloromethane	9.79		"	10.0		97.9	70-130				
Dichlorodifluoromethane	9.21		"	10.0		92.1	70-130				
Ethyl acetate	9.10		"	10.0		91.0	70-130				
Ethyl Benzene	8.92		"	10.0		89.2	70-130				
Hexachlorobutadiene	9.36		"	10.0		93.6	70-130				
Isopropanol	10.1		"	10.0		101	70-130				
Methyl Methacrylate	9.64		"	10.0		96.4	70-130				
Methyl tert-butyl ether (MTBE)	9.24		"	10.0		92.4	70-130				
Methylene chloride	8.88		"	10.0		88.8	70-130				
Naphthalene	9.20		"	10.0		92.0	70-130				
n-Heptane	9.36		"	10.0		93.6	70-130				
n-Hexane	9.32		"	10.0		93.2	70-130				
o-Xylene	9.00		"	10.0		90.0	70-130				
p- & m- Xylenes	18.4		"	20.0		91.8	70-130				
p-Ethyltoluene	8.97		"	10.0		89.7	70-130				
Propylene	8.58		"	10.0		85.8	70-130				
Styrene	9.39		"	10.0		93.9	70-130				
Tetrachloroethylene	9.12		"	10.0		91.2	70-130				
Tetrahydrofuran	9.09		"	10.0		90.9	70-130				
Toluene	8.74		"	10.0		87.4	70-130				
trans-1,2-Dichloroethylene	9.42		"	10.0		94.2	70-130				
trans-1,3-Dichloropropylene	9.08		"	10.0		90.8	70-130				
Trichloroethylene	8.75		"	10.0		87.5	70-130				
Trichlorofluoromethane (Freon 11)	9.16		"	10.0		91.6	70-130				
Vinyl acetate	10.0		"	10.0		100	70-130				
Vinyl bromide	9.09		"	10.0		90.9	70-130				
Vinyl Chloride	9.06		"	10.0		90.6	70-130				
Xylenes, Total	119	1.30	ug/m ³								



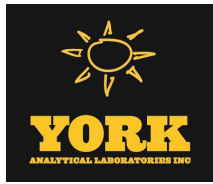
Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB41689 - EPA TO15 PREP

Duplicate (BB41689-DUP1)	Duplicate	*Source sample: 24B0852-05 (Duplicate)				Prepared: 02/22/2024 Analyzed: 02/23/2024					
1,1,1,2-Tetrachloroethane	ND	1.27	ug/m ³	ND						25	
1,1,1-Trichloroethane	ND	1.01	"	ND						25	
1,1,2,2-Tetrachloroethane	ND	1.27	"	ND						25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.42	"	ND						25	
1,1,2-Trichloroethane	ND	1.01	"	ND						25	
1,1-Dichloroethane	ND	0.748	"	ND						25	
1,1-Dichloroethylene	ND	0.366	"	ND						25	
1,2,4-Trichlorobenzene	ND	1.37	"	ND						25	
1,2,4-Trimethylbenzene	ND	0.908	"	ND						25	
1,2-Dibromoethane	ND	1.42	"	ND						25	
1,2-Dichlorobenzene	ND	1.11	"	ND						25	
1,2-Dichloroethane	ND	0.748	"	ND						25	
1,2-Dichloropropane	ND	0.854	"	ND						25	
1,2-Dichlorotetrafluoroethane	ND	1.29	"	ND						25	
1,3,5-Trimethylbenzene	ND	0.909	"	ND						25	
1,3-Butadiene	ND	1.23	"	ND						25	
1,3-Dichlorobenzene	ND	1.11	"	ND						25	
1,3-Dichloropropane	ND	0.854	"	ND						25	
1,4-Dichlorobenzene	ND	1.11	"	ND						25	
1,4-Dioxane	ND	1.33	"	ND						25	
2-Butanone	4.09	0.545	"	8.94					74.5	25	Non-dir.
2-Hexanone	ND	1.51	"	ND						25	
3-Chloropropene	ND	2.89	"	ND						25	
4-Methyl-2-pentanone	ND	0.757	"	ND						25	
Acetone	10.5	0.878	"	11.9					12.5	25	
Acrylonitrile	0.642	0.401	"	0.521					20.7	25	
Benzene	0.767	0.590	"	0.767					0.00	25	
Benzyl chloride	ND	0.957	"	ND						25	
Bromodichloromethane	ND	1.24	"	ND						25	
Bromoform	ND	1.91	"	ND						25	
Bromomethane	ND	0.718	"	ND						25	
Carbon disulfide	ND	0.575	"	ND						25	
Carbon tetrachloride	ND	0.291	"	ND						25	
Chlorobenzene	ND	0.851	"	ND						25	
Chloroethane	ND	0.488	"	ND						25	
Chloroform	ND	0.902	"	ND						25	
Chloromethane	1.07	0.382	"	1.11					3.51	25	
cis-1,2-Dichloroethylene	ND	0.366	"	ND						25	
cis-1,3-Dichloropropylene	ND	0.839	"	ND						25	
Cyclohexane	ND	0.636	"	ND						25	
Dibromochloromethane	ND	1.57	"	ND						25	
Dichlorodifluoromethane	2.28	0.914	"	2.38					3.92	25	
Ethyl acetate	ND	1.33	"	ND						25	
Ethyl Benzene	ND	0.802	"	ND						25	
Hexachlorobutadiene	ND	1.97	"	ND						25	
Isopropanol	3.54	0.909	"	3.59					1.27	25	
Methyl Methacrylate	ND	0.757	"	ND						25	
Methyl tert-butyl ether (MTBE)	ND	0.666	"	ND						25	
Methylene chloride	ND	1.28	"	0.514						25	
Naphthalene	ND	1.94	"	ND						25	
n-Heptane	ND	0.757	"	ND						25	

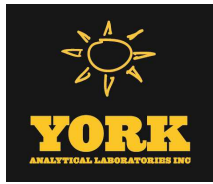


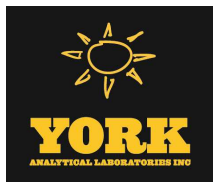
Volatile Organic Compounds in Air by GC/MS - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB41689 - EPA TO15 PREP

Duplicate (BB41689-DUP1)	Duplicate	*Source sample: 24B0852-05 (Duplicate)				Prepared: 02/22/2024 Analyzed: 02/23/2024						
n-Hexane		ND	0.651	ug/m ³	ND						25	
o-Xylene		0.401	0.802	"	0.481			18.2			25	
p- & m- Xylenes		ND	1.60	"	1.20						25	
p-Ethyltoluene		ND	0.909	"	ND						25	
Propylene		ND	0.318	"	ND						25	
Styrene		ND	0.787	"	ND						25	
Tetrachloroethylene		ND	1.25	"	ND						25	
Tetrahydrofuran		4.58	1.09	"	10.1			75.1			25	Non-dir.
Toluene		1.46	0.696	"	1.53			4.65			25	
trans-1,2-Dichloroethylene		ND	0.733	"	ND						25	
trans-1,3-Dichloropropylene		ND	0.839	"	ND						25	
Trichloroethylene		ND	0.248	"	ND						25	
Trichlorofluoromethane (Freon 11)		1.25	1.04	"	1.45			15.4			25	
Vinyl acetate		ND	0.651	"	ND						25	
Vinyl bromide		ND	0.808	"	ND						25	
Vinyl Chloride		ND	0.236	"	ND						25	
Xylenes, Total		1.52	2.41	"	1.69			10.0			200	





Sample and Data Qualifiers Relating to This Work Order

TO-LCS-L	The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
TO-CCV	The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon 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.

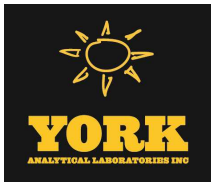
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For 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.

Revision Description: This report has been revised to include Total Xylenes and Naphthalene in Samples and QC.



York Analytical Laboratories, Inc.
 120 Research Drive
 Stratford, CT 06615
 clientservices@yorklab.com
 www.yorklab.com

Field Chain-of-Custody Record - AIR

YORK Project No.
 24B1051

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. signature binds you to YORK's Standard Terms & Conditions.

Your Page 1 of 1

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	360 W. 31st St. LANGAN	Company:		Company:		170340203		RUSH - Next Day	
Address:	8th St New York, NY 10001	Address:		Address:		ABC Block 26		RUSH - Two Day	
Phone:	212-479-5400	Phone:		Phone:				RUSH - Three Day	
Contact:	Andrew Nexi	Contact:		Contact:				RUSH - Four Day	
E-mail:	ANESCI@LANGAN.COM	E-mail:		E-mail:				Standard (5-7 Day)	

Air Matrix Codes

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

Other: NJDKQP, NY ASP B Package

Certified Canisters: Batch Individual Y

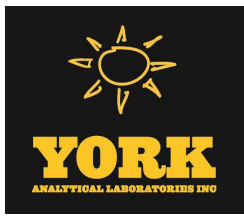
Samples Collected by: (print your name above and sign below)
 Roswell Lo *[Signature]*

Please enter the following REQUIRED Field Data

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
C241174-AA02-021724							
C241174-AA02-021724	2/17/24 16:23	A0	-30.0	-8.0	48294	7305	TO-15 VOCs
C241174-LR-W01-MW309-021724	2/17/24 16:24	A1	-31.0	-9.0	15522	17190	
C241174-LR-1A02-MW349-021724	2/17/24 16:26	A1	-34.0	-10.0	15522	17190	

Comments: Also copy: DATA MANAGEMENT@LANGAN.COM
 GWYKAE@LANGAN.COM

Detection Limits Required	≤ 1 ug/m ³	NYSDEC V1 Limits		Sampling Media	6 Liter Canister
Routine Survey		Other		Tedlar Bag	
Samples Relinquished by / Company	Roswell Lo / Langan	Samples Relinquished by / Company	March 2024	Date/Time	
Samples Received by / Company		Samples Received by / Company		Date/Time	
Samples Relinquished by / Company		Samples Received in LAB by	March 02/21/24	Date/Time	1204



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Greg Wyka

Report Date: 04/11/2024

Client Project ID: 170340203

York Project (SDG) No.: 24B0261

Revision No. 2.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 04/11/2024
Client Project ID: 170340203
York Project (SDG) No.: 24B0261

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

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 06, 2024 and listed below. The project was identified as your project: **170340203**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
24B0261-01	CAN 20665 / FC 13559	Air	02/06/2024	02/06/2024
24B0261-02	CAN 28841 / FC 16424	Air	02/06/2024	02/06/2024
24B0261-04	CAN 41844 / FC 19410	Air	02/06/2024	02/06/2024
24B0667-01	C241174_BL-IA01_MW30D_021024	Indoor Ambient Air	02/10/2024	02/12/2024
24B0667-02	C241174_BL-IA02_MW34D_021024	Indoor Ambient Air	02/10/2024	02/12/2024
24B0667-03	C241174_AA01_021024	Outdoor Ambient Ai	02/10/2024	02/12/2024

General Notes for York Project (SDG) No.: 24B0261

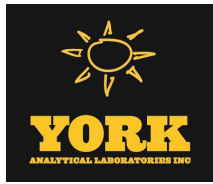
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.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

Approved By 

Date: 04/11/2024

Cassie L. Mosher
Laboratory Manager





Sample Information

Client Sample ID: CAN 20665 / FC 13559

York Sample ID: 24B0261-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
24B0261	170340203	Air	February 6, 2024 11:04 am	02/06/2024

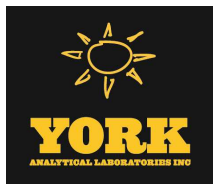
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.687	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 04:52	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.546	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.687	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.766	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.546	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.405	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.198	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.742	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.492	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.768	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.601	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.405	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.462	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.699	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.492	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
106-99-0	1,3-Butadiene	ND		ug/m ³	0.664	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.601	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.462	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 04:52	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.601	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.721	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
78-93-3	2-Butanone	ND		ug/m ³	0.295	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH



Sample Information

Client Sample ID: CAN 20665 / FC 13559

York Sample ID: 24B0261-01

<u>York Project (SDG) No.</u> 24B0261	<u>Client Project ID</u> 170340203	<u>Matrix</u> Air	<u>Collection Date/Time</u> February 6, 2024 11:04 am	<u>Date Received</u> 02/06/2024
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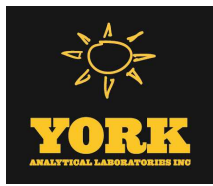
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m ³	0.819	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 04:52	VH
107-05-1	3-Chloropropene	ND		ug/m ³	1.57	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.410	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
67-64-1	Acetone	ND		ug/m ³	0.475	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
107-13-1	Acrylonitrile	ND		ug/m ³	0.434	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
71-43-2	Benzene	ND		ug/m ³	0.319	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.518	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.670	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
75-25-2	Bromoform	ND		ug/m ³	1.03	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
74-83-9	Bromomethane	ND		ug/m ³	0.388	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
75-15-0	Carbon disulfide	ND		ug/m ³	0.311	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.157	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.460	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
75-00-3	Chloroethane	ND		ug/m ³	0.264	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
67-66-3	Chloroform	ND		ug/m ³	0.488	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
74-87-3	Chloromethane	ND		ug/m ³	0.207	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.198	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.454	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
110-82-7	Cyclohexane	ND		ug/m ³	0.344	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	0.852	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	0.495	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
141-78-6	* Ethyl acetate	ND		ug/m ³	0.721	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 04:52	VH



Sample Information

Client Sample ID: CAN 20665 / FC 13559

York Sample ID: 24B0261-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0261

170340203

Air

February 6, 2024 11:04 am

02/06/2024

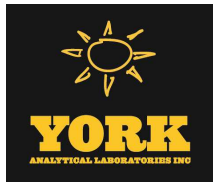
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/m ³	0.434	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.07	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
67-63-0	Isopropanol	ND		ug/m ³	1.23	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.409	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.361	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
75-09-2	Methylene chloride	ND		ug/m ³	0.695	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
91-20-3	* Naphthalene	ND		ug/m ³	1.05	1	EPA TO-15 Certifications: NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
142-82-5	n-Heptane	ND		ug/m ³	0.410	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
110-54-3	n-Hexane	ND		ug/m ³	0.352	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
95-47-6	o-Xylene	ND		ug/m ³	0.434	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.868	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.492	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 04:52	VH
115-07-1	* Propylene	ND		ug/m ³	0.172	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 04:52	VH
100-42-5	Styrene	ND		ug/m ³	0.426	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.678	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.590	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 04:52	VH
108-88-3	Toluene	ND		ug/m ³	0.377	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.396	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.454	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
79-01-6	Trichloroethylene	ND		ug/m ³	0.134	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.562	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
108-05-4	Vinyl acetate	ND		ug/m ³	0.352	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH



Sample Information

Client Sample ID: CAN 20665 / FC 13559

York Sample ID: 24B0261-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0261

170340203

Air

February 6, 2024 11:04 am

02/06/2024

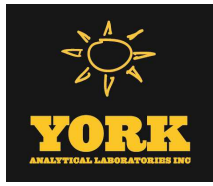
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND		ug/m ³	0.437	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
75-01-4	Vinyl Chloride	ND		ug/m ³	0.128	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 04:52	VH
1330-20-7	* Xylenes, Total	ND		ug/m ³	1.30	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 04:52	VH



Sample Information

Client Sample ID: CAN 28841 / FC 16424

York Sample ID: 24B0261-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0261

170340203

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February 6, 2024 11:04 am

02/06/2024

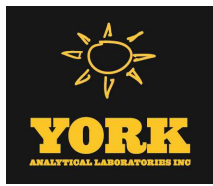
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.687	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 05:55	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.546	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.687	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.766	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.546	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.405	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.198	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.742	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.492	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.768	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.601	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.405	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.462	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.699	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.492	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
106-99-0	1,3-Butadiene	ND		ug/m ³	0.664	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.601	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.462	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 05:55	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.601	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.721	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
78-93-3	2-Butanone	ND		ug/m ³	0.295	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
591-78-6	* 2-Hexanone	ND		ug/m ³	0.819	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 05:55	VH



Sample Information

Client Sample ID: CAN 28841 / FC 16424

York Sample ID: 24B0261-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0261

170340203

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February 6, 2024 11:04 am

02/06/2024

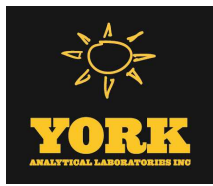
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	1.57	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.410	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
67-64-1	Acetone	ND		ug/m ³	0.475	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
107-13-1	Acrylonitrile	ND		ug/m ³	0.434	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
71-43-2	Benzene	ND		ug/m ³	0.319	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.518	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.670	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
75-25-2	Bromoform	ND		ug/m ³	1.03	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
74-83-9	Bromomethane	ND		ug/m ³	0.388	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
75-15-0	Carbon disulfide	ND		ug/m ³	0.311	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.157	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.460	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
75-00-3	Chloroethane	ND		ug/m ³	0.264	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
67-66-3	Chloroform	ND		ug/m ³	0.488	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
74-87-3	Chloromethane	ND		ug/m ³	0.207	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.198	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.454	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
110-82-7	Cyclohexane	ND		ug/m ³	0.344	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	0.852	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	0.495	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
141-78-6	* Ethyl acetate	ND		ug/m ³	0.721	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 05:55	VH
100-41-4	Ethyl Benzene	ND		ug/m ³	0.434	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH



Sample Information

Client Sample ID: CAN 28841 / FC 16424

York Sample ID: 24B0261-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0261

170340203

Air

February 6, 2024 11:04 am

02/06/2024

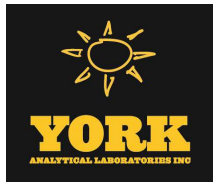
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.07	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
67-63-0	Isopropanol	ND		ug/m ³	1.23	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.409	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.361	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
75-09-2	Methylene chloride	ND		ug/m ³	0.695	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
91-20-3	* Naphthalene	ND		ug/m ³	1.05	1	EPA TO-15 Certifications: NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
142-82-5	n-Heptane	ND		ug/m ³	0.410	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
110-54-3	n-Hexane	ND		ug/m ³	0.352	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
95-47-6	o-Xylene	ND		ug/m ³	0.434	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.868	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.492	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 05:55	VH
115-07-1	* Propylene	ND		ug/m ³	0.172	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 05:55	VH
100-42-5	Styrene	ND		ug/m ³	0.426	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.678	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.590	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 05:55	VH
108-88-3	Toluene	ND		ug/m ³	0.377	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.396	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.454	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
79-01-6	Trichloroethylene	ND		ug/m ³	0.134	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.562	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
108-05-4	Vinyl acetate	ND		ug/m ³	0.352	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
593-60-2	Vinyl bromide	ND		ug/m ³	0.437	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH



Sample Information

Client Sample ID: CAN 28841 / FC 16424

York Sample ID: 24B0261-02

York Project (SDG) No.
24B0261

Client Project ID
170340203

Matrix
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Collection Date/Time
February 6, 2024 11:04 am

Date Received
02/06/2024

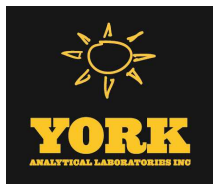
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.128	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 05:55	VH
1330-20-7	* Xylenes, Total	ND		ug/m ³	1.30	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 05:55	VH



Sample Information

Client Sample ID: CAN 41844 / FC 19410

York Sample ID: 24B0261-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0261

170340203

Air

February 6, 2024 11:04 am

02/06/2024

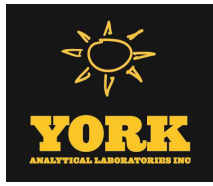
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.687	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 09:27	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.546	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.687	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.766	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.546	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.405	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.198	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.742	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.492	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.768	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.601	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.405	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.462	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.699	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.492	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
106-99-0	1,3-Butadiene	ND		ug/m ³	0.664	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.601	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.462	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 09:27	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.601	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.721	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
78-93-3	2-Butanone	ND		ug/m ³	0.295	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
591-78-6	* 2-Hexanone	ND		ug/m ³	0.819	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 09:27	VH



Sample Information

Client Sample ID: CAN 41844 / FC 19410

York Sample ID: 24B0261-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0261

170340203

Air

February 6, 2024 11:04 am

02/06/2024

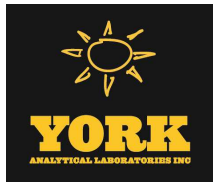
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	1.57	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.410	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
67-64-1	Acetone	ND		ug/m ³	0.475	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
107-13-1	Acrylonitrile	ND		ug/m ³	0.434	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
71-43-2	Benzene	ND		ug/m ³	0.319	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.518	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.670	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
75-25-2	Bromoform	ND		ug/m ³	1.03	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
74-83-9	Bromomethane	ND		ug/m ³	0.388	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
75-15-0	Carbon disulfide	ND		ug/m ³	0.311	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.157	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.460	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
75-00-3	Chloroethane	ND		ug/m ³	0.264	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
67-66-3	Chloroform	ND		ug/m ³	0.488	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
74-87-3	Chloromethane	ND		ug/m ³	0.207	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.198	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.454	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
110-82-7	Cyclohexane	ND		ug/m ³	0.344	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	0.852	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	0.495	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
141-78-6	* Ethyl acetate	ND		ug/m ³	0.721	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 09:27	VH
100-41-4	Ethyl Benzene	ND		ug/m ³	0.434	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH



Sample Information

Client Sample ID: CAN 41844 / FC 19410

York Sample ID: 24B0261-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0261

170340203

Air

February 6, 2024 11:04 am

02/06/2024

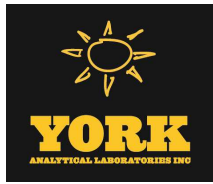
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.07	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
67-63-0	Isopropanol	ND		ug/m ³	1.23	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.409	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.361	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
75-09-2	Methylene chloride	ND		ug/m ³	0.695	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
91-20-3	* Naphthalene	ND		ug/m ³	1.05	1	EPA TO-15 Certifications: NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
142-82-5	n-Heptane	ND		ug/m ³	0.410	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
110-54-3	n-Hexane	ND		ug/m ³	0.352	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
95-47-6	o-Xylene	ND		ug/m ³	0.434	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.868	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.492	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 09:27	VH
115-07-1	* Propylene	ND		ug/m ³	0.172	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 09:27	VH
100-42-5	Styrene	ND		ug/m ³	0.426	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.678	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.590	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 09:27	VH
108-88-3	Toluene	ND		ug/m ³	0.377	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.396	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.454	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
79-01-6	Trichloroethylene	ND		ug/m ³	0.134	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.562	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
108-05-4	Vinyl acetate	ND		ug/m ³	0.352	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
593-60-2	Vinyl bromide	ND		ug/m ³	0.437	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH



Sample Information

Client Sample ID: CAN 41844 / FC 19410

York Sample ID: 24B0261-04

York Project (SDG) No.
24B0261

Client Project ID
170340203

Matrix
Air

Collection Date/Time
February 6, 2024 11:04 am

Date Received
02/06/2024

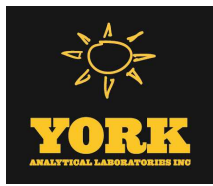
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.128	1	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/08/2024 09:00	02/09/2024 09:27	VH
1330-20-7	* Xylenes, Total	ND		ug/m ³	1.30	1	EPA TO-15 Certifications:	02/08/2024 09:00	02/09/2024 09:27	VH



Sample Information

Client Sample ID: C241174_BL-IA01_MW30D_021024

York Sample ID: 24B0667-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0667

170340203

Indoor Ambient Air

February 10, 2024 3:47 pm

02/12/2024

VOA, TO15 MASTER

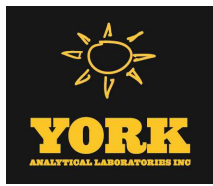
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.597	0.869	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 15:18	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.474	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.597	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.666	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.474	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.352	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.172	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.29	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
95-63-6	1,2,4-Trimethylbenzene	1.92		ug/m ³	0.427	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.668	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.522	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.352	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.402	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.607	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
108-67-8	1,3,5-Trimethylbenzene	0.427		ug/m ³	0.427	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
106-99-0	1,3-Butadiene	ND		ug/m ³	0.577	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.522	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.402	0.869	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 15:18	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.522	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.626	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
78-93-3	2-Butanone	16.5		ug/m ³	0.256	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
591-78-6	* 2-Hexanone	ND		ug/m ³	0.712	0.869	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 15:18	VH





Sample Information

Client Sample ID: C241174_BL-IA01_MW30D_021024

York Sample ID: 24B0667-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0667

170340203

Indoor Ambient Air

February 10, 2024 3:47 pm

02/12/2024

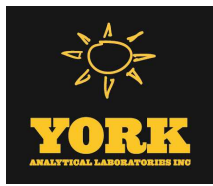
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	1.36	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
108-10-1	4-Methyl-2-pentanone	6.02		ug/m ³	0.356	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
67-64-1	Acetone	402		ug/m ³	3.87	8.155	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/21/2024 00:35	VH
107-13-1	Acrylonitrile	ND		ug/m ³	0.189	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
71-43-2	Benzene	1.53		ug/m ³	0.278	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.450	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.582	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
75-25-2	Bromoform	ND		ug/m ³	0.898	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
74-83-9	Bromomethane	ND		ug/m ³	0.337	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
75-15-0	Carbon disulfide	ND		ug/m ³	0.271	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.137	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.400	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
75-00-3	Chloroethane	ND		ug/m ³	0.229	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
67-66-3	Chloroform	ND		ug/m ³	0.424	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
74-87-3	Chloromethane	1.53		ug/m ³	0.179	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.172	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.394	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
110-82-7	Cyclohexane	1.88		ug/m ³	0.299	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	0.740	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
75-71-8	Dichlorodifluoromethane	2.58		ug/m ³	0.430	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
141-78-6	* Ethyl acetate	141		ug/m ³	0.626	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
100-41-4	Ethyl Benzene	4.68		ug/m ³	0.377	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH



Sample Information

Client Sample ID: C241174_BL-IA01_MW30D_021024

York Sample ID: 24B0667-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0667

170340203

Indoor Ambient Air

February 10, 2024 3:47 pm

02/12/2024

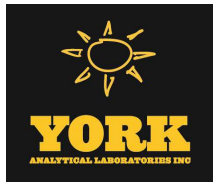
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.927	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
67-63-0	Isopropanol	73.4	B	ug/m ³	1.07	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
80-62-6	Methyl Methacrylate	291		ug/m ³	3.34	8.155	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/21/2024 00:35	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.313	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
75-09-2	Methylene chloride	351		ug/m ³	5.67	8.155	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/21/2024 00:35	VH
91-20-3	* Naphthalene	ND	TO-LCS -L	ug/m ³	1.37	0.869	EPA TO-15 Certifications: NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
142-82-5	n-Heptane	2.96		ug/m ³	0.356	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
110-54-3	n-Hexane	8.06		ug/m ³	0.306	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
95-47-6	o-Xylene	4.00		ug/m ³	0.377	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
179601-23-1	p- & m- Xylenes	16.3		ug/m ³	0.755	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
622-96-8	* p-Ethyltoluene	1.41		ug/m ³	0.427	0.869	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 15:18	VH
115-07-1	* Propylene	7.22		ug/m ³	0.150	0.869	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 15:18	VH
100-42-5	Styrene	1.33		ug/m ³	0.370	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
127-18-4	Tetrachloroethylene	1.41		ug/m ³	0.589	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
109-99-9	* Tetrahydrofuran	18.2		ug/m ³	0.513	0.869	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 15:18	VH
108-88-3	Toluene	46.2		ug/m ³	0.327	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.345	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.394	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
79-01-6	Trichloroethylene	1.63		ug/m ³	0.117	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
75-69-4	Trichlorofluoromethane (Freon 11)	1.46		ug/m ³	0.488	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
108-05-4	Vinyl acetate	ND		ug/m ³	0.306	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
593-60-2	Vinyl bromide	ND		ug/m ³	0.380	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH



Sample Information

Client Sample ID: C241174_BL-IA01_MW30D_021024

York Sample ID: 24B0667-01

York Project (SDG) No.
24B0667

Client Project ID
170340203

Matrix
Indoor Ambient Air

Collection Date/Time
February 10, 2024 3:47 pm

Date Received
02/12/2024

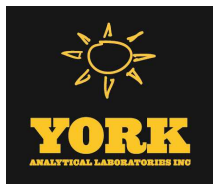
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.111	0.869	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 15:18	VH
1330-20-7	* Xylenes, Total	20.3		ug/m ³	1.13	0.869	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 15:18	VH



Sample Information

Client Sample ID: C241174_BL-IA02_MW34D_021024

York Sample ID: 24B0667-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0667

170340203

Indoor Ambient Air

February 10, 2024 3:39 pm

02/12/2024

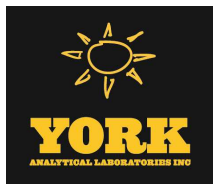
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.601	0.875	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 16:27	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.477	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.601	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.671	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.477	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.354	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.173	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.30	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
95-63-6	1,2,4-Trimethylbenzene	1.42		ug/m ³	0.430	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.672	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.526	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.354	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.404	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.612	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.430	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
106-99-0	1,3-Butadiene	ND		ug/m ³	0.581	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.526	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.404	0.875	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 16:27	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.526	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.631	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
78-93-3	2-Butanone	2.79		ug/m ³	0.258	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
591-78-6	* 2-Hexanone	ND		ug/m ³	0.717	0.875	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 16:27	VH



Sample Information

Client Sample ID: C241174_BL-IA02_MW34D_021024

York Sample ID: 24B0667-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0667

170340203

Indoor Ambient Air

February 10, 2024 3:39 pm

02/12/2024

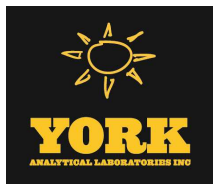
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	1.37	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
108-10-1	4-Methyl-2-pentanone	0.574		ug/m ³	0.358	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
67-64-1	Acetone	366		ug/m ³	7.80	16.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/21/2024 01:31	VH
107-13-1	Acrylonitrile	ND		ug/m ³	0.190	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
71-43-2	Benzene	1.45		ug/m ³	0.280	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.453	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.586	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
75-25-2	Bromoform	ND		ug/m ³	0.904	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
74-83-9	Bromomethane	ND		ug/m ³	0.340	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
75-15-0	Carbon disulfide	ND		ug/m ³	0.272	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
56-23-5	Carbon tetrachloride	0.385	TO-CC V	ug/m ³	0.138	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.403	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
75-00-3	Chloroethane	ND		ug/m ³	0.231	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
67-66-3	Chloroform	ND		ug/m ³	0.427	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
74-87-3	Chloromethane	ND		ug/m ³	0.181	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.173	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.397	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
110-82-7	Cyclohexane	1.60		ug/m ³	0.301	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	0.745	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
75-71-8	Dichlorodifluoromethane	2.68		ug/m ³	0.433	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
141-78-6	* Ethyl acetate	5.49		ug/m ³	0.631	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
100-41-4	Ethyl Benzene	1.79		ug/m ³	0.380	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH



Sample Information

Client Sample ID: C241174_BL-IA02_MW34D_021024

York Sample ID: 24B0667-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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24B0667

170340203

Indoor Ambient Air

February 10, 2024 3:39 pm

02/12/2024

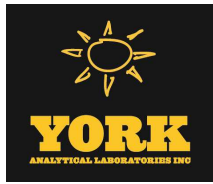
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.933	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
67-63-0	Isopropanol	23.3	B	ug/m ³	1.08	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
80-62-6	Methyl Methacrylate	7.16		ug/m ³	0.358	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.315	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
75-09-2	Methylene chloride	28.5		ug/m ³	0.608	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
91-20-3	* Naphthalene	ND	TO-LCS -L	ug/m ³	1.38	0.875	EPA TO-15 Certifications: NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
142-82-5	n-Heptane	ND		ug/m ³	0.359	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
110-54-3	n-Hexane	1.70		ug/m ³	0.308	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
95-47-6	o-Xylene	1.63		ug/m ³	0.380	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
179601-23-1	p- & m- Xylenes	7.14		ug/m ³	0.760	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
622-96-8	* p-Ethyltoluene	0.774		ug/m ³	0.430	0.875	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 16:27	VH
115-07-1	* Propylene	ND		ug/m ³	0.151	0.875	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 16:27	VH
100-42-5	Styrene	ND		ug/m ³	0.373	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.593	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.516	0.875	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 16:27	VH
108-88-3	Toluene	8.18		ug/m ³	0.330	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.347	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.397	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
79-01-6	Trichloroethylene	ND		ug/m ³	0.118	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.492	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
108-05-4	Vinyl acetate	ND		ug/m ³	0.308	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
593-60-2	Vinyl bromide	ND		ug/m ³	0.383	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH



Sample Information

Client Sample ID: C241174_BL-IA02_MW34D_021024

York Sample ID: 24B0667-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0667

170340203

Indoor Ambient Air

February 10, 2024 3:39 pm

02/12/2024

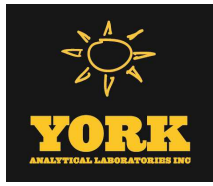
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.112	0.875	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 16:27	VH
1330-20-7	* Xylenes, Total	8.78		ug/m ³	1.14	0.875	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 16:27	VH



Sample Information

Client Sample ID: C241174_AA01_021024

York Sample ID: 24B0667-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0667

170340203

Outdoor Ambient Air

February 10, 2024 3:50 pm

02/12/2024

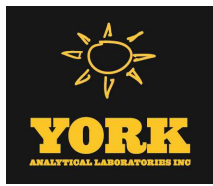
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.515	0.75	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 18:46	VH
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.409	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.515	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.575	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.409	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.304	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.149	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.11	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
95-63-6	1,2,4-Trimethylbenzene	0.590		ug/m ³	0.369	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.576	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.451	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.304	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.347	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.524	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.369	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
106-99-0	1,3-Butadiene	ND		ug/m ³	0.498	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.451	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.347	0.75	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 18:46	VH
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.451	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
123-91-1	1,4-Dioxane	ND		ug/m ³	0.540	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
78-93-3	2-Butanone	2.15		ug/m ³	0.221	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
591-78-6	* 2-Hexanone	1.14		ug/m ³	0.614	0.75	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 18:46	VH



Sample Information

Client Sample ID: C241174_AA01_021024

York Sample ID: 24B0667-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0667

170340203

Outdoor Ambient Air

February 10, 2024 3:50 pm

02/12/2024

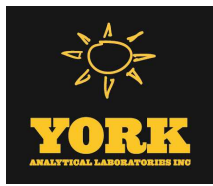
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	1.17	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.307	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
67-64-1	Acetone	10.3		ug/m ³	0.356	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
107-13-1	Acrylonitrile	ND		ug/m ³	0.163	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
71-43-2	Benzene	1.03		ug/m ³	0.240	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
100-44-7	Benzyl chloride	ND		ug/m ³	0.388	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
75-27-4	Bromodichloromethane	ND		ug/m ³	0.502	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
75-25-2	Bromoform	ND		ug/m ³	0.775	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
74-83-9	Bromomethane	ND		ug/m ³	0.291	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
75-15-0	Carbon disulfide	ND		ug/m ³	0.234	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.118	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
108-90-7	Chlorobenzene	ND		ug/m ³	0.345	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
75-00-3	Chloroethane	ND		ug/m ³	0.198	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
67-66-3	Chloroform	ND		ug/m ³	0.366	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
74-87-3	Chloromethane	1.16		ug/m ³	0.155	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.149	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.340	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
110-82-7	Cyclohexane	0.361		ug/m ³	0.258	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
124-48-1	Dibromochloromethane	ND		ug/m ³	0.639	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
75-71-8	Dichlorodifluoromethane	2.34		ug/m ³	0.371	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
141-78-6	* Ethyl acetate	0.540		ug/m ³	0.540	0.75	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 18:46	VH
100-41-4	Ethyl Benzene	0.391		ug/m ³	0.326	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH



Sample Information

Client Sample ID: C241174_AA01_021024

York Sample ID: 24B0667-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0667

170340203

Outdoor Ambient Air

February 10, 2024 3:50 pm

02/12/2024

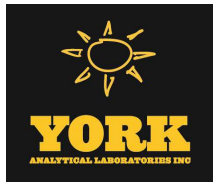
VOA, TO15 MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.800	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
67-63-0	Isopropanol	4.44	B	ug/m ³	0.922	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.307	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.270	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
75-09-2	Methylene chloride	0.651		ug/m ³	0.521	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
91-20-3	* Naphthalene	ND	TO-LCS -L	ug/m ³	1.18	0.75	EPA TO-15 Certifications: NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
142-82-5	n-Heptane	ND		ug/m ³	0.307	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
110-54-3	n-Hexane	0.978		ug/m ³	0.264	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
95-47-6	o-Xylene	0.488		ug/m ³	0.326	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
179601-23-1	p- & m- Xylenes	1.07		ug/m ³	0.651	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
622-96-8	* p-Ethyltoluene	0.369		ug/m ³	0.369	0.75	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 18:46	VH
115-07-1	* Propylene	ND		ug/m ³	0.129	0.75	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 18:46	VH
100-42-5	Styrene	ND		ug/m ³	0.319	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
127-18-4	Tetrachloroethylene	0.560		ug/m ³	0.509	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.442	0.75	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 18:46	VH
108-88-3	Toluene	1.89		ug/m ³	0.283	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.297	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.340	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
79-01-6	Trichloroethylene	ND		ug/m ³	0.101	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
75-69-4	Trichlorofluoromethane (Freon 11)	1.22		ug/m ³	0.421	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
108-05-4	Vinyl acetate	ND		ug/m ³	0.264	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
593-60-2	Vinyl bromide	ND		ug/m ³	0.328	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH



Sample Information

Client Sample ID: C241174_AA01_021024

York Sample ID: 24B0667-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

24B0667

170340203

Outdoor Ambient Air February 10, 2024 3:50 pm

02/12/2024

VOA, TO15 MASTER

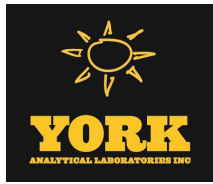
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.0959	0.75	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-NY037	02/19/2024 12:00	02/20/2024 18:46	VH
1330-20-7	* Xylenes, Total	1.56		ug/m ³	0.977	0.75	EPA TO-15 Certifications:	02/19/2024 12:00	02/20/2024 18:46	VH





Analytical Batch Summary

Batch ID: BB40705 **Preparation Method:** EPA TO15 PREP **Prepared By:** VH

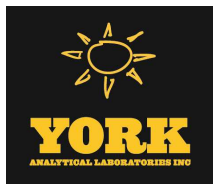
YORK Sample ID	Client Sample ID	Preparation Date
24B0261-01	CAN 20665 / FC 13559	02/08/24
24B0261-02	CAN 28841 / FC 16424	02/08/24
24B0261-04	CAN 41844 / FC 19410	02/08/24
BB40705-BLK1	Blank	02/08/24
BB40705-BS1	LCS	02/08/24
BB40705-DUP1	Duplicate	02/08/24

Batch ID: BB41189 **Preparation Method:** EPA TO15 PREP **Prepared By:** VH

YORK Sample ID	Client Sample ID	Preparation Date
24B0667-01	C241174_BL-IA01_MW30D_C	02/19/24
24B0667-02	C241174_BL-IA02_MW34D_C	02/19/24
24B0667-03	C241174_AA01_021024	02/19/24
BB41189-BLK1	Blank	02/19/24
BB41189-BS1	LCS	02/19/24
BB41189-DUP1	Duplicate	02/19/24

Batch ID: BB41369 **Preparation Method:** EPA TO15 PREP **Prepared By:** VH

YORK Sample ID	Client Sample ID	Preparation Date
24B0667-01RE1	C241174_BL-IA01_MW30D_C	02/19/24
24B0667-02RE1	C241174_BL-IA02_MW34D_C	02/19/24
BB41369-BLK1	Blank	02/20/24
BB41369-BS1	LCS	02/20/24
BB41369-DUP1	Duplicate	02/20/24

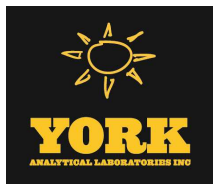


Volatile Organic Compounds in Air by GC/MS - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB40705 - EPA TO15 PREP

Blank (BB40705-BLK1)	Blank	Prepared & Analyzed: 02/08/2024									
1,1,1,2-Tetrachloroethane	ND	0.687	ug/m ³								
1,1,1-Trichloroethane	ND	0.546	"								
1,1,2,2-Tetrachloroethane	ND	0.687	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.766	"								
1,1,2-Trichloroethane	ND	0.546	"								
1,1-Dichloroethane	ND	0.405	"								
1,1-Dichloroethylene	ND	0.198	"								
1,2,4-Trichlorobenzene	0.816	0.742	"								
1,2,4-Trimethylbenzene	ND	0.492	"								
1,2-Dibromoethane	ND	0.768	"								
1,2-Dichlorobenzene	ND	0.601	"								
1,2-Dichloroethane	ND	0.405	"								
1,2-Dichloropropane	ND	0.462	"								
1,2-Dichlorotetrafluoroethane	ND	0.699	"								
1,3,5-Trimethylbenzene	ND	0.492	"								
1,3-Butadiene	ND	0.664	"								
1,3-Dichlorobenzene	ND	0.601	"								
1,3-Dichloropropane	ND	0.462	"								
1,4-Dichlorobenzene	ND	0.601	"								
1,4-Dioxane	ND	0.721	"								
2-Butanone	ND	0.295	"								
2-Hexanone	ND	0.819	"								
3-Chloropropene	ND	1.57	"								
4-Methyl-2-pentanone	ND	0.410	"								
Acetone	ND	0.475	"								
Acrylonitrile	0.391	0.217	"								
Benzene	ND	0.319	"								
Benzyl chloride	ND	0.518	"								
Bromodichloromethane	ND	0.670	"								
Bromoform	ND	1.03	"								
Bromomethane	ND	0.388	"								
Carbon disulfide	ND	0.311	"								
Carbon tetrachloride	ND	0.157	"								
Chlorobenzene	ND	0.460	"								
Chloroethane	ND	0.264	"								
Chloroform	ND	0.488	"								
Chloromethane	ND	0.207	"								
cis-1,2-Dichloroethylene	ND	0.198	"								
cis-1,3-Dichloropropylene	ND	0.454	"								
Cyclohexane	ND	0.344	"								
Dibromochloromethane	ND	0.852	"								
Dichlorodifluoromethane	ND	0.495	"								
Ethyl acetate	ND	0.721	"								
Ethyl Benzene	ND	0.434	"								
Hexachlorobutadiene	ND	1.07	"								
Isopropanol	0.664	0.492	"								
Methyl Methacrylate	ND	0.409	"								
Methyl tert-butyl ether (MTBE)	ND	0.361	"								
Methylene chloride	ND	0.695	"								
Naphthalene	ND	1.05	"								



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

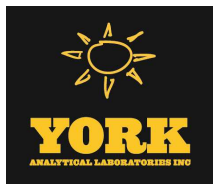
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB40705 - EPA TO15 PREP

Blank (BB40705-BLK1)	Blank	Prepared & Analyzed: 02/08/2024									
n-Heptane	ND	0.410	ug/m ³								
n-Hexane	ND	0.352	"								
o-Xylene	ND	0.434	"								
p- & m- Xylenes	ND	0.868	"								
p-Ethyltoluene	ND	0.492	"								
Propylene	ND	0.172	"								
Styrene	ND	0.426	"								
Tetrachloroethylene	ND	0.678	"								
Tetrahydrofuran	ND	0.590	"								
Toluene	ND	0.377	"								
trans-1,2-Dichloroethylene	ND	0.396	"								
trans-1,3-Dichloropropylene	ND	0.454	"								
Trichloroethylene	ND	0.134	"								
Trichlorofluoromethane (Freon 11)	ND	0.562	"								
Vinyl acetate	ND	0.352	"								
Vinyl bromide	ND	0.437	"								
Vinyl Chloride	ND	0.128	"								
Xylenes, Total	ND	1.30	"								

LCS (BB40705-BS1)	LCS	Prepared & Analyzed: 02/08/2024									
1,1,1,2-Tetrachloroethane	11.6		ppbv	10.0	116	70-130					
1,1,1-Trichloroethane	10.4		"	10.0	104	70-130					
1,1,2,2-Tetrachloroethane	11.6		"	10.0	116	70-130					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4		"	10.0	114	70-130					
1,1,2-Trichloroethane	11.4		"	10.0	114	70-130					
1,1-Dichloroethane	11.6		"	10.0	116	70-130					
1,1-Dichloroethylene	11.8		"	10.0	118	70-130					
1,2,4-Trichlorobenzene	10.7		"	10.0	107	70-130					
1,2,4-Trimethylbenzene	11.5		"	10.0	115	70-130					
1,2-Dibromoethane	11.1		"	10.0	111	70-130					
1,2-Dichlorobenzene	10.9		"	10.0	109	70-130					
1,2-Dichloroethane	11.0		"	10.0	110	70-130					
1,2-Dichloropropane	12.4		"	10.0	124	70-130					
1,2-Dichlorotetrafluoroethane	15.6		"	10.0	156	70-130		High Bias			
1,3,5-Trimethylbenzene	11.6		"	10.0	116	70-130					
1,3-Butadiene	18.6		"	10.0	186	70-130		High Bias			
1,3-Dichlorobenzene	11.2		"	10.0	112	70-130					
1,3-Dichloropropane	11.9		"	10.0	119	70-130					
1,4-Dichlorobenzene	11.1		"	10.0	111	70-130					
1,4-Dioxane	9.62		"	10.0	96.2	70-130					
2-Butanone	10.3		"	10.0	103	70-130					
2-Hexanone	11.3		"	10.0	113	70-130					
3-Chloropropene	10.6		"	10.0	106	70-130					
4-Methyl-2-pentanone	11.5		"	10.0	115	70-130					
Acetone	11.3		"	10.0	113	70-130					
Acrylonitrile	9.00		"	10.0	90.0	70-130					
Benzene	10.2		"	10.0	102	70-130					
Benzyl chloride	12.9		"	10.0	129	70-130					
Bromodichloromethane	12.4		"	10.0	124	70-130					
Bromoform	11.9		"	10.0	119	70-130					
Bromomethane	11.5		"	10.0	115	70-130					



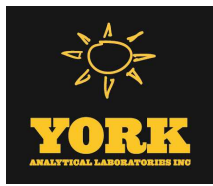
Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB40705 - EPA TO15 PREP

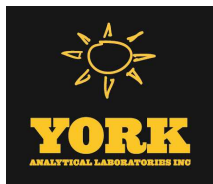
LCS (BB40705-BS1)	LCS	Prepared & Analyzed: 02/08/2024									
Carbon disulfide	10.1		ppbv	10.0		101	70-130				
Carbon tetrachloride	11.7		"	10.0		117	70-130				
Chlorobenzene	11.7		"	10.0		117	70-130				
Chloroethane	11.5		"	10.0		115	70-130				
Chloroform	10.8		"	10.0		108	70-130				
Chloromethane	16.7		"	10.0		167	70-130	High Bias			
cis-1,2-Dichloroethylene	9.98		"	10.0		99.8	70-130				
cis-1,3-Dichloropropylene	11.2		"	10.0		112	70-130				
Cyclohexane	10.6		"	10.0		106	70-130				
Dibromochloromethane	11.4		"	10.0		114	70-130				
Dichlorodifluoromethane	13.3		"	10.0		133	70-130	High Bias			
Ethyl acetate	9.98		"	10.0		99.8	70-130				
Ethyl Benzene	12.3		"	10.0		123	70-130				
Hexachlorobutadiene	10.4		"	10.0		104	70-130				
Isopropanol	9.57		"	10.0		95.7	70-130				
Methyl Methacrylate	11.2		"	10.0		112	70-130				
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	70-130				
Methylene chloride	11.5		"	10.0		115	70-130				
Naphthalene	9.96		"	10.0		99.6	70-130				
n-Heptane	11.2		"	10.0		112	70-130				
n-Hexane	11.4		"	10.0		114	70-130				
o-Xylene	11.8		"	10.0		118	70-130				
p- & m- Xylenes	24.7		"	20.0		124	70-130				
p-Ethyltoluene	12.2		"	10.0		122	70-130				
Propylene	13.1		"	10.0		131	70-130	High Bias			
Styrene	11.3		"	10.0		113	70-130				
Tetrachloroethylene	9.60		"	10.0		96.0	70-130				
Tetrahydrofuran	10.5		"	10.0		105	70-130				
Toluene	11.4		"	10.0		114	70-130				
trans-1,2-Dichloroethylene	11.1		"	10.0		111	70-130				
trans-1,3-Dichloropropylene	11.0		"	10.0		110	70-130				
Trichloroethylene	12.2		"	10.0		122	70-130				
Trichlorofluoromethane (Freon 11)	11.4		"	10.0		114	70-130				
Vinyl acetate	9.09		"	10.0		90.9	70-130				
Vinyl bromide	11.2		"	10.0		112	70-130				
Vinyl Chloride	18.3		"	10.0		183	70-130	High Bias			
Xylenes, Total	159	1.30	ug/m ³								



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BB40705 - EPA TO15 PREP												
Duplicate (BB40705-DUP1)	Duplicate	*Source sample: 24A1627-02 (Duplicate)						Prepared: 02/08/2024 Analyzed: 02/09/2024				
1,1,1,2-Tetrachloroethane	ND	0.633	ug/m ³		ND					25		
1,1,1-Trichloroethane	ND	0.503	"		ND					25		
1,1,2,2-Tetrachloroethane	ND	0.633	"		ND					25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.707	"		ND					25		
1,1,2-Trichloroethane	ND	0.503	"		ND					25		
1,1-Dichloroethane	ND	0.373	"		ND					25		
1,1-Dichloroethylene	ND	0.183	"		ND					25		
1,2,4-Trichlorobenzene	ND	0.684	"		ND					25		
1,2,4-Trimethylbenzene	0.770	0.453	"		0.680				12.5	25		
1,2-Dibromoethane	ND	0.708	"		ND					25		
1,2-Dichlorobenzene	ND	0.554	"		ND					25		
1,2-Dichloroethane	ND	0.373	"		ND					25		
1,2-Dichloropropane	ND	0.426	"		ND					25		
1,2-Dichlorotetrafluoroethane	ND	0.645	"		ND					25		
1,3,5-Trimethylbenzene	ND	0.453	"		ND					25		
1,3-Butadiene	ND	0.612	"		ND					25		
1,3-Dichlorobenzene	ND	0.554	"		ND					25		
1,3-Dichloropropane	ND	0.426	"		ND					25		
1,4-Dichlorobenzene	ND	0.554	"		ND					25		
1,4-Dioxane	ND	0.664	"		ND					25		
2-Butanone	0.734	0.272	"		0.653				11.8	25		
2-Hexanone	ND	0.755	"		ND					25		
3-Chloropropene	ND	1.44	"		ND					25		
4-Methyl-2-pentanone	ND	0.378	"		ND					25		
Acetone	14.9	0.438	"		14.8				0.591	25		
Acrylonitrile	0.460	0.200	"		ND					25		
Benzene	0.943	0.295	"		0.972				3.08	25		
Benzyl chloride	ND	0.477	"		ND					25		
Bromodichloromethane	ND	0.618	"		ND					25		
Bromoform	ND	0.953	"		ND					25		
Bromomethane	ND	0.358	"		ND					25		
Carbon disulfide	ND	0.287	"		ND					25		
Carbon tetrachloride	0.406	0.145	"		0.406				0.00	25		
Chlorobenzene	ND	0.424	"		ND					25		
Chloroethane	ND	0.243	"		ND					25		
Chloroform	1.26	0.450	"		1.22				3.64	25		
Chloromethane	1.71	0.190	"		2.09				20.0	25		
cis-1,2-Dichloroethylene	ND	0.183	"		ND					25		
cis-1,3-Dichloropropylene	ND	0.418	"		ND					25		
Cyclohexane	ND	0.317	"		ND					25		
Dibromochloromethane	ND	0.785	"		ND					25		
Dichlorodifluoromethane	3.01	0.456	"		3.05				1.50	25		
Ethyl acetate	0.532	0.664	"		0.598				11.8	25		
Ethyl Benzene	0.681	0.400	"		0.641				6.06	25		
Hexachlorobutadiene	ND	0.983	"		ND					25		
Isopropanol	4.01	0.453	"		3.88				3.45	25		
Methyl Methacrylate	ND	0.377	"		ND					25		
Methyl tert-butyl ether (MTBE)	ND	0.332	"		ND					25		
Methylene chloride	0.705	0.641	"		0.705				0.00	25		
Naphthalene	0.580	0.967	"		0.870				40.0	25	Non-dir.	
n-Heptane	0.529	0.378	"		0.567				6.90	25		



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

York Analytical Laboratories, Inc. - Stratford

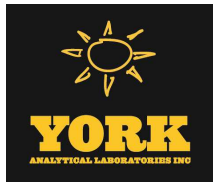
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB40705 - EPA TO15 PREP

Duplicate (BB40705-DUP1)	Duplicate	*Source sample: 24A1627-02 (Duplicate)				Prepared: 02/08/2024 Analyzed: 02/09/2024	
n-Hexane	0.487	0.325	ug/m ³	0.422		14.3	25
o-Xylene	0.440	0.400	"	0.360		20.0	25
p- & m- Xylenes	1.24	0.801	"	1.00		21.4	25
p-Ethyltoluene	0.408	0.453	"	0.363		11.8	25
Propylene	ND	0.159	"	ND			25
Styrene	0.236	0.393	"	0.236		0.00	25
Tetrachloroethylene	0.688	0.625	"	0.750		8.70	25
Tetrahydrofuran	ND	0.544	"	ND			25
Toluene	1.74	0.347	"	1.88		7.69	25
trans-1,2-Dichloroethylene	ND	0.366	"	ND			25
trans-1,3-Dichloropropylene	ND	0.418	"	ND			25
Trichloroethylene	ND	0.124	"	ND			25
Trichlorofluoromethane (Freon 11)	1.40	0.518	"	1.40		0.00	25
Vinyl acetate	ND	0.325	"	ND			25
Vinyl bromide	ND	0.403	"	ND			25
Vinyl Chloride	ND	0.118	"	ND			25
Xylenes, Total	1.68	1.20	"	1.36		21.1	200

Batch BB41189 - EPA TO15 PREP

Blank (BB41189-BLK1)	Blank	Prepared & Analyzed: 02/19/2024									
1,1,1,2-Tetrachloroethane	ND	0.687	ug/m ³								
1,1,1-Trichloroethane	ND	0.546	"								
1,1,2,2-Tetrachloroethane	ND	0.687	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.766	"								
1,1,2-Trichloroethane	ND	0.546	"								
1,1-Dichloroethane	ND	0.405	"								
1,1-Dichloroethylene	ND	0.198	"								
1,2,4-Trichlorobenzene	0.742	0.742	"								
1,2,4-Trimethylbenzene	ND	0.492	"								
1,2-Dibromoethane	ND	0.768	"								
1,2-Dichlorobenzene	ND	0.601	"								
1,2-Dichloroethane	ND	0.405	"								
1,2-Dichloropropane	ND	0.462	"								
1,2-Dichlorotetrafluoroethane	ND	0.699	"								
1,3,5-Trimethylbenzene	ND	0.492	"								
1,3-Butadiene	ND	0.664	"								
1,3-Dichlorobenzene	ND	0.601	"								
1,3-Dichloropropane	ND	0.462	"								
1,4-Dichlorobenzene	ND	0.601	"								
1,4-Dioxane	ND	0.721	"								
2-Butanone	ND	0.295	"								
2-Hexanone	ND	0.819	"								
3-Chloropropene	ND	1.57	"								
4-Methyl-2-pentanone	ND	0.410	"								
Acetone	ND	0.475	"								
Acrylonitrile	ND	0.217	"								
Benzene	ND	0.319	"								
Benzyl chloride	ND	0.518	"								
Bromodichloromethane	ND	0.670	"								
Bromoform	ND	1.03	"								



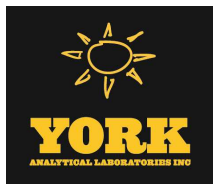
Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB41189 - EPA TO15 PREP

Blank (BB41189-BLK1)	Blank										
											Prepared & Analyzed: 02/19/2024
Bromomethane	ND	0.388	ug/m ³								
Carbon disulfide	ND	0.311	"								
Carbon tetrachloride	ND	0.157	"								
Chlorobenzene	ND	0.460	"								
Chloroethane	ND	0.264	"								
Chloroform	ND	0.488	"								
Chloromethane	ND	0.207	"								
cis-1,2-Dichloroethylene	ND	0.198	"								
cis-1,3-Dichloropropylene	ND	0.454	"								
Cyclohexane	ND	0.344	"								
Dibromochloromethane	ND	0.852	"								
Dichlorodifluoromethane	ND	0.495	"								
Ethyl acetate	ND	0.721	"								
Ethyl Benzene	ND	0.434	"								
Hexachlorobutadiene	ND	1.07	"								
Isopropanol	0.590	0.492	"								
Methyl Methacrylate	ND	0.409	"								
Methyl tert-butyl ether (MTBE)	ND	0.361	"								
Methylene chloride	ND	0.695	"								
Naphthalene	ND	1.05	"								
n-Heptane	ND	0.410	"								
n-Hexane	ND	0.352	"								
o-Xylene	ND	0.434	"								
p- & m- Xylenes	ND	0.868	"								
p-Ethyltoluene	ND	0.492	"								
Propylene	ND	0.172	"								
Styrene	ND	0.426	"								
Tetrachloroethylene	ND	0.678	"								
Tetrahydrofuran	ND	0.590	"								
Toluene	ND	0.377	"								
trans-1,2-Dichloroethylene	ND	0.396	"								
trans-1,3-Dichloropropylene	ND	0.454	"								
Trichloroethylene	ND	0.134	"								
Trichlorofluoromethane (Freon 11)	ND	0.562	"								
Vinyl acetate	ND	0.352	"								
Vinyl bromide	ND	0.437	"								
Vinyl Chloride	ND	0.128	"								
Xylenes, Total	ND	1.30	"								



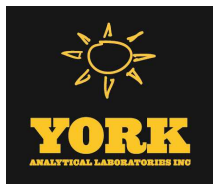
Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB41189 - EPA TO15 PREP

LCS (BB41189-BS1)	LCS										
											Prepared & Analyzed: 02/19/2024
1,1,1,2-Tetrachloroethane	11.0		ppbv	10.0		110	70-130				
1,1,1-Trichloroethane	10.6		"	10.0		106	70-130				
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	70-130				
1,1,2-Trichloroethane	10.1		"	10.0		101	70-130				
1,1-Dichloroethane	11.0		"	10.0		110	70-130				
1,1-Dichloroethylene	11.3		"	10.0		113	70-130				
1,2,4-Trichlorobenzene	7.00		"	10.0		70.0	70-130				
1,2,4-Trimethylbenzene	11.8		"	10.0		118	70-130				
1,2-Dibromoethane	9.61		"	10.0		96.1	70-130				
1,2-Dichlorobenzene	10.8		"	10.0		108	70-130				
1,2-Dichloroethane	10.9		"	10.0		109	70-130				
1,2-Dichloropropane	10.8		"	10.0		108	70-130				
1,2-Dichlorotetrafluoroethane	12.0		"	10.0		120	70-130				
1,3,5-Trimethylbenzene	11.7		"	10.0		117	70-130				
1,3-Butadiene	12.3		"	10.0		123	70-130				
1,3-Dichlorobenzene	11.0		"	10.0		110	70-130				
1,3-Dichloropropane	10.4		"	10.0		104	70-130				
1,4-Dichlorobenzene	10.9		"	10.0		109	70-130				
1,4-Dioxane	10.0		"	10.0		100	70-130				
2-Butanone	11.0		"	10.0		110	70-130				
2-Hexanone	9.44		"	10.0		94.4	70-130				
3-Chloropropene	9.64		"	10.0		96.4	70-130				
4-Methyl-2-pentanone	10.7		"	10.0		107	70-130				
Acetone	11.2		"	10.0		112	70-130				
Acrylonitrile	9.16		"	10.0		91.6	70-130				
Benzene	10.2		"	10.0		102	70-130				
Benzyl chloride	9.98		"	10.0		99.8	70-130				
Bromodichloromethane	10.6		"	10.0		106	70-130				
Bromoform	10.2		"	10.0		102	70-130				
Bromomethane	10.7		"	10.0		107	70-130				
Carbon disulfide	9.80		"	10.0		98.0	70-130				
Carbon tetrachloride	11.7		"	10.0		117	70-130				
Chlorobenzene	10.9		"	10.0		109	70-130				
Chloroethane	10.8		"	10.0		108	70-130				
Chloroform	10.8		"	10.0		108	70-130				
Chloromethane	11.3		"	10.0		113	70-130				
cis-1,2-Dichloroethylene	9.85		"	10.0		98.5	70-130				
cis-1,3-Dichloropropylene	9.47		"	10.0		94.7	70-130				
Cyclohexane	10.7		"	10.0		107	70-130				
Dibromochloromethane	9.48		"	10.0		94.8	70-130				
Dichlorodifluoromethane	11.8		"	10.0		118	70-130				
Ethyl acetate	9.61		"	10.0		96.1	70-130				
Ethyl Benzene	11.5		"	10.0		115	70-130				
Hexachlorobutadiene	11.0		"	10.0		110	70-130				
Isopropanol	10.2		"	10.0		102	70-130				
Methyl Methacrylate	10.0		"	10.0		100	70-130				
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	70-130				
Methylene chloride	10.8		"	10.0		108	70-130				
Naphthalene	4.75		"	10.0		47.5	70-130	Low Bias			
n-Heptane	10.6		"	10.0		106	70-130				



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB41189 - EPA TO15 PREP

LCS (BB41189-BS1)	LCS	Prepared & Analyzed: 02/19/2024									
n-Hexane	10.9		ppbv	10.0		109	70-130				
o-Xylene	11.4		"	10.0		114	70-130				
p- & m- Xylenes	23.4		"	20.0		117	70-130				
p-Ethyltoluene	12.2		"	10.0		122	70-130				
Propylene	10.0		"	10.0		100	70-130				
Styrene	11.9		"	10.0		119	70-130				
Tetrachloroethylene	9.23		"	10.0		92.3	70-130				
Tetrahydrofuran	11.6		"	10.0		116	70-130				
Toluene	10.3		"	10.0		103	70-130				
trans-1,2-Dichloroethylene	10.8		"	10.0		108	70-130				
trans-1,3-Dichloropropylene	9.06		"	10.0		90.6	70-130				
Trichloroethylene	11.6		"	10.0		116	70-130				
Trichlorofluoromethane (Freon 11)	11.4		"	10.0		114	70-130				
Vinyl acetate	7.69		"	10.0		76.9	70-130				
Vinyl bromide	10.9		"	10.0		109	70-130				
Vinyl Chloride	12.5		"	10.0		125	70-130				
Xylenes, Total	151	1.30	ug/m ³								

Duplicate (BB41189-DUP1)	Duplicate	*Source sample: 24B0409-01 (Duplicate)									
1,1,1,2-Tetrachloroethane	ND	1.20	ug/m ³		ND						25
1,1,1-Trichloroethane	ND	0.950	"		ND						25
1,1,2,2-Tetrachloroethane	ND	1.20	"		ND						25
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.33	"		ND						25
1,1,2-Trichloroethane	ND	0.950	"		ND						25
1,1-Dichloroethane	ND	0.705	"		ND						25
1,1-Dichloroethylene	ND	0.345	"		ND						25
1,2,4-Trichlorobenzene	ND	1.29	"		ND						25
1,2,4-Trimethylbenzene	1.54	0.856	"	5.99				118			25 Non-dir.
1,2-Dibromoethane	ND	1.34	"		ND						25
1,2-Dichlorobenzene	ND	1.05	"		ND						25
1,2-Dichloroethane	ND	0.705	"		ND						25
1,2-Dichloropropane	ND	0.804	"		ND						25
1,2-Dichlorotetrafluoroethane	ND	1.22	"		ND						25
1,3,5-Trimethylbenzene	ND	0.856	"	1.46							25
1,3-Butadiene	ND	1.16	"		ND						25
1,3-Dichlorobenzene	ND	1.05	"		ND						25
1,3-Dichloropropane	ND	0.805	"		ND						25
1,4-Dichlorobenzene	ND	1.05	"		ND						25
1,4-Dioxane	ND	1.25	"		ND						25
2-Butanone	23.6	0.513	"	0.719				188			25 Non-dir.
2-Hexanone	ND	1.43	"		ND						25
3-Chloropropene	ND	2.72	"		ND						25
4-Methyl-2-pentanone	3.21	0.713	"		ND						25
Acetone	21.3	0.827	"	8.93				81.8			25 Non-dir.
Acrylonitrile	ND	0.378	"	2.83							25
Benzene	ND	0.556	"	0.723							25
Benzyl chloride	ND	0.901	"		ND						25
Bromodichloromethane	ND	1.17	"		ND						25
Bromoform	ND	1.80	"		ND						25
Bromomethane	ND	0.676	"		ND						25
Carbon disulfide	1.46	0.542	"		ND						25



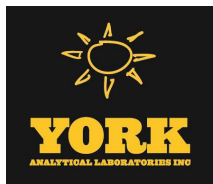
Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB41189 - EPA TO15 PREP

Duplicate (BB41189-DUP1)	Duplicate	*Source sample: 24B0409-01 (Duplicate)				Prepared: 02/19/2024 Analyzed: 02/21/2024					
Carbon tetrachloride		ND	0.274	ug/m ³	0.438					25	
Chlorobenzene		ND	0.802	"	ND					25	
Chloroethane		ND	0.459	"	ND					25	
Chloroform		1.53	0.850	"	ND					25	
Chloromethane		0.611	0.360	"	1.55				86.7	25	Non-dir.
cis-1,2-Dichloroethylene		ND	0.345	"	ND					25	
cis-1,3-Dichloropropylene		ND	0.790	"	ND					25	
Cyclohexane		17.6	0.599	"	ND					25	
Dibromochloromethane		ND	1.48	"	ND					25	
Dichlorodifluoromethane		2.67	0.861	"	2.76				3.17	25	
Ethyl acetate		2.63	1.25	"	ND					25	
Ethyl Benzene		2.19	0.756	"	0.832				90.0	25	Non-dir.
Hexachlorobutadiene		ND	1.86	"	ND					25	
Isopropanol		2.01	0.856	"	2.82				33.6	25	Non-dir.
Methyl Methacrylate		ND	0.713	"	ND					25	
Methyl tert-butyl ether (MTBE)		ND	0.628	"	ND					25	
Methylene chloride		ND	1.21	"	5.68					25	
Naphthalene		ND	1.83	"	ND					25	
n-Heptane		5.28	0.714	"	0.428				170	25	Non-dir.
n-Hexane		59.2	0.614	"	0.552				196	25	Non-dir.
o-Xylene		0.907	0.756	"	1.51				50.0	25	Non-dir.
p- & m- Xylenes		1.51	1.51	"	3.40				76.9	25	Non-dir.
p-Ethyltoluene		1.11	0.856	"	4.19				116	25	Non-dir.
Propylene		ND	0.300	"	ND					25	
Styrene		ND	0.742	"	ND					25	
Tetrachloroethylene		ND	1.18	"	ND					25	
Tetrahydrofuran		ND	1.03	"	ND					25	
Toluene		1.84	0.656	"	1.51				19.6	25	
trans-1,2-Dichloroethylene		ND	0.690	"	ND					25	
trans-1,3-Dichloropropylene		ND	0.790	"	ND					25	
Trichloroethylene		ND	0.234	"	ND					25	
Trichlorofluoromethane (Freon 11)		0.978	0.978	"	1.47				40.0	25	Non-dir.
Vinyl acetate		ND	0.613	"	ND					25	
Vinyl bromide		ND	0.762	"	ND					25	
Vinyl Chloride		ND	0.223	"	ND					25	
Xylenes, Total		2.42	2.27	"	4.91				68.0	200	



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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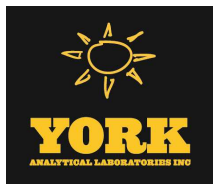
Batch BB41369 - EPA TO15 PREP

Blank (BB41369-BLK1)

Blank

Prepared & Analyzed: 02/20/2024

1,1,1,2-Tetrachloroethane	ND	0.687	ug/m ³								
1,1,1-Trichloroethane	ND	0.546	"								
1,1,2,2-Tetrachloroethane	ND	0.687	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.766	"								
1,1,2-Trichloroethane	ND	0.546	"								
1,1-Dichloroethane	ND	0.405	"								
1,1-Dichloroethylene	ND	0.198	"								
1,2,4-Trichlorobenzene	1.11	0.742	"								
1,2,4-Trimethylbenzene	ND	0.492	"								
1,2-Dibromoethane	ND	0.768	"								
1,2-Dichlorobenzene	ND	0.601	"								
1,2-Dichloroethane	ND	0.405	"								
1,2-Dichloropropane	ND	0.462	"								
1,2-Dichlorotetrafluoroethane	ND	0.699	"								
1,3,5-Trimethylbenzene	ND	0.492	"								
1,3-Butadiene	ND	0.664	"								
1,3-Dichlorobenzene	ND	0.601	"								
1,3-Dichloropropane	ND	0.462	"								
1,4-Dichlorobenzene	ND	0.601	"								
1,4-Dioxane	ND	0.721	"								
2-Butanone	ND	0.295	"								
2-Hexanone	ND	0.819	"								
3-Chloropropene	ND	1.57	"								
4-Methyl-2-pentanone	ND	0.410	"								
Acetone	ND	0.475	"								
Acrylonitrile	ND	0.217	"								
Benzene	ND	0.319	"								
Benzyl chloride	ND	0.518	"								
Bromodichloromethane	ND	0.670	"								
Bromoform	ND	1.03	"								
Bromomethane	ND	0.388	"								
Carbon disulfide	ND	0.311	"								
Carbon tetrachloride	ND	0.157	"								
Chlorobenzene	ND	0.460	"								
Chloroethane	ND	0.264	"								
Chloroform	ND	0.488	"								
Chloromethane	ND	0.207	"								
cis-1,2-Dichloroethylene	ND	0.198	"								
cis-1,3-Dichloropropylene	ND	0.454	"								
Cyclohexane	ND	0.344	"								
Dibromochloromethane	ND	0.852	"								
Dichlorodifluoromethane	ND	0.495	"								
Ethyl acetate	ND	0.721	"								
Ethyl Benzene	ND	0.434	"								
Hexachlorobutadiene	ND	1.07	"								
Isopropanol	0.565	0.492	"								
Methyl Methacrylate	ND	0.409	"								
Methyl tert-butyl ether (MTBE)	ND	0.361	"								
Methylene chloride	ND	0.695	"								
Naphthalene	1.05	1.05	"								
n-Heptane	ND	0.410	"								



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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB41369 - EPA TO15 PREP

Blank (BB41369-BLK1)	Blank	Prepared & Analyzed: 02/20/2024									
n-Hexane	ND	0.352	ug/m ³								
o-Xylene	ND	0.434	"								
p- & m- Xylenes	ND	0.868	"								
p-Ethyltoluene	ND	0.492	"								
Propylene	ND	0.172	"								
Styrene	ND	0.426	"								
Tetrachloroethylene	ND	0.678	"								
Tetrahydrofuran	ND	0.590	"								
Toluene	ND	0.377	"								
trans-1,2-Dichloroethylene	ND	0.396	"								
trans-1,3-Dichloropropylene	ND	0.454	"								
Trichloroethylene	ND	0.134	"								
Trichlorofluoromethane (Freon 11)	ND	0.562	"								
Vinyl acetate	ND	0.352	"								
Vinyl bromide	ND	0.437	"								
Vinyl Chloride	ND	0.128	"								
Xylenes, Total	ND	1.30	"								

LCS (BB41369-BS1)	LCS	Prepared & Analyzed: 02/20/2024									
1,1,1,2-Tetrachloroethane	10.5	ppbv	10.0	105	70-130						
1,1,1-Trichloroethane	9.64	"	10.0	96.4	70-130						
1,1,2,2-Tetrachloroethane	9.70	"	10.0	97.0	70-130						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2	"	10.0	102	70-130						
1,1,2-Trichloroethane	9.72	"	10.0	97.2	70-130						
1,1-Dichloroethane	10.4	"	10.0	104	70-130						
1,1-Dichloroethylene	10.5	"	10.0	105	70-130						
1,2,4-Trichlorobenzene	7.24	"	10.0	72.4	70-130						
1,2,4-Trimethylbenzene	11.5	"	10.0	115	70-130						
1,2-Dibromoethane	9.30	"	10.0	93.0	70-130						
1,2-Dichlorobenzene	10.5	"	10.0	105	70-130						
1,2-Dichloroethane	10.2	"	10.0	102	70-130						
1,2-Dichloropropane	10.2	"	10.0	102	70-130						
1,2-Dichlorotetrafluoroethane	11.3	"	10.0	113	70-130						
1,3,5-Trimethylbenzene	10.8	"	10.0	108	70-130						
1,3-Butadiene	11.6	"	10.0	116	70-130						
1,3-Dichlorobenzene	10.7	"	10.0	107	70-130						
1,3-Dichloropropane	10.1	"	10.0	101	70-130						
1,4-Dichlorobenzene	10.6	"	10.0	106	70-130						
1,4-Dioxane	10.5	"	10.0	105	70-130						
2-Butanone	10.3	"	10.0	103	70-130						
2-Hexanone	9.67	"	10.0	96.7	70-130						
3-Chloropropene	8.94	"	10.0	89.4	70-130						
4-Methyl-2-pentanone	10.8	"	10.0	108	70-130						
Acetone	10.3	"	10.0	103	70-130						
Acrylonitrile	8.49	"	10.0	84.9	70-130						
Benzene	9.43	"	10.0	94.3	70-130						
Benzyl chloride	9.78	"	10.0	97.8	70-130						
Bromodichloromethane	10.0	"	10.0	100	70-130						
Bromoform	9.60	"	10.0	96.0	70-130						
Bromomethane	9.86	"	10.0	98.6	70-130						
Carbon disulfide	9.00	"	10.0	90.0	70-130						



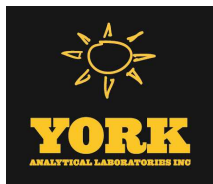
Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB41369 - EPA TO15 PREP

LCS (BB41369-BS1)	LCS	Prepared & Analyzed: 02/20/2024									
Carbon tetrachloride	10.8		ppbv	10.0		108	70-130				
Chlorobenzene	10.4		"	10.0		104	70-130				
Chloroethane	9.90		"	10.0		99.0	70-130				
Chloroform	9.98		"	10.0		99.8	70-130				
Chloromethane	10.5		"	10.0		105	70-130				
cis-1,2-Dichloroethylene	9.82		"	10.0		98.2	70-130				
cis-1,3-Dichloropropylene	9.35		"	10.0		93.5	70-130				
Cyclohexane	9.82		"	10.0		98.2	70-130				
Dibromochloromethane	8.92		"	10.0		89.2	70-130				
Dichlorodifluoromethane	10.9		"	10.0		109	70-130				
Ethyl acetate	8.77		"	10.0		87.7	70-130				
Ethyl Benzene	10.9		"	10.0		109	70-130				
Hexachlorobutadiene	11.3		"	10.0		113	70-130				
Isopropanol	9.71		"	10.0		97.1	70-130				
Methyl Methacrylate	9.55		"	10.0		95.5	70-130				
Methyl tert-butyl ether (MTBE)	9.87		"	10.0		98.7	70-130				
Methylene chloride	9.98		"	10.0		99.8	70-130				
Naphthalene	4.85		"	10.0		48.5	70-130	Low Bias			
n-Heptane	9.93		"	10.0		99.3	70-130				
n-Hexane	10.1		"	10.0		101	70-130				
o-Xylene	10.9		"	10.0		109	70-130				
p- & m- Xylenes	22.0		"	20.0		110	70-130				
p-Ethyltoluene	11.9		"	10.0		119	70-130				
Propylene	9.30		"	10.0		93.0	70-130				
Styrene	11.4		"	10.0		114	70-130				
Tetrachloroethylene	8.94		"	10.0		89.4	70-130				
Tetrahydrofuran	10.7		"	10.0		107	70-130				
Toluene	9.82		"	10.0		98.2	70-130				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130				
trans-1,3-Dichloropropylene	8.62		"	10.0		86.2	70-130				
Trichloroethylene	11.2		"	10.0		112	70-130				
Trichlorofluoromethane (Freon 11)	10.6		"	10.0		106	70-130				
Vinyl acetate	7.12		"	10.0		71.2	70-130				
Vinyl bromide	10.1		"	10.0		101	70-130				
Vinyl Chloride	11.8		"	10.0		118	70-130				
Xylenes, Total	143	1.30	ug/m ³								



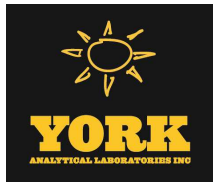
Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB41369 - EPA TO15 PREP

Duplicate (BB41369-DUP1)	Duplicate	*Source sample: 24B0467-04 (Duplicate)				Prepared: 02/20/2024 Analyzed: 02/21/2024	
1,1,1,2-Tetrachloroethane	ND	1.02	ug/m ³	ND			25
1,1,1-Trichloroethane	ND	0.809	"	ND			25
1,1,2,2-Tetrachloroethane	ND	1.02	"	ND			25
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.14	"	ND			25
1,1,2-Trichloroethane	ND	0.809	"	ND			25
1,1-Dichloroethane	ND	0.600	"	ND			25
1,1-Dichloroethylene	ND	0.294	"	ND			25
1,2,4-Trichlorobenzene	ND	1.10	"	ND			25
1,2,4-Trimethylbenzene	6.05	0.729	"	6.19		2.38	25
1,2-Dibromoethane	ND	1.14	"	ND			25
1,2-Dichlorobenzene	ND	0.891	"	ND			25
1,2-Dichloroethane	ND	0.600	"	ND			25
1,2-Dichloropropane	ND	0.685	"	ND			25
1,2-Dichlorotetrafluoroethane	ND	1.04	"	ND			25
1,3,5-Trimethylbenzene	ND	0.729	"	ND			25
1,3-Butadiene	0.951	0.984	"	0.852		10.9	25
1,3-Dichlorobenzene	ND	0.891	"	ND			25
1,3-Dichloropropane	ND	0.685	"	ND			25
1,4-Dichlorobenzene	ND	0.891	"	ND			25
1,4-Dioxane	ND	1.07	"	ND			25
2-Butanone	68.0	0.437	"	67.2		1.16	25
2-Hexanone	16.9	1.21	"	17.5		3.52	25
3-Chloropropene	ND	2.32	"	ND			25
4-Methyl-2-pentanone	ND	0.607	"	ND			25
Acetone	118	0.704	"	113		3.60	25
Acrylonitrile	ND	0.322	"	ND			25
Benzene	6.63	0.473	"	ND			25
Benzyl chloride	ND	0.767	"	ND			25
Bromodichloromethane	ND	0.993	"	ND			25
Bromoform	ND	1.53	"	ND			25
Bromomethane	ND	0.575	"	ND			25
Carbon disulfide	91.1	0.462	"	88.2		3.19	25
Carbon tetrachloride	ND	0.233	"	ND			25
Chlorobenzene	ND	0.682	"	ND			25
Chloroethane	ND	0.391	"	ND			25
Chloroform	1.37	0.724	"	1.30		5.41	25
Chloromethane	ND	0.306	"	ND			25
cis-1,2-Dichloroethylene	ND	0.294	"	ND			25
cis-1,3-Dichloropropylene	ND	0.673	"	ND			25
Cyclohexane	0.867	0.510	"	0.816		6.06	25
Dibromochloromethane	ND	1.26	"	ND			25
Dichlorodifluoromethane	2.86	0.733	"	2.78		2.60	25
Ethyl acetate	ND	1.07	"	ND			25
Ethyl Benzene	3.93	0.644	"	3.86		1.65	25
Hexachlorobutadiene	ND	1.58	"	ND			25
Isopropanol	3.39	0.729	"	3.21		5.52	25
Methyl Methacrylate	ND	0.607	"	ND			25
Methyl tert-butyl ether (MTBE)	ND	0.534	"	ND			25
Methylene chloride	0.721	1.03	"	0.669		7.41	25
Naphthalene	1.32	1.55	"	1.63		21.1	25
n-Heptane	41.2	0.607	"	40.7		1.19	25

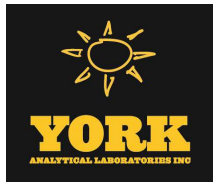


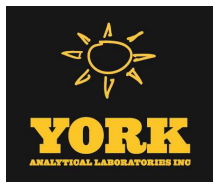
Volatile Organic Compounds in Air by GC/MS - Quality Control Data
York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB41369 - EPA TO15 PREP

Duplicate (BB41369-DUP1)	Duplicate	*Source sample: 24B0467-04 (Duplicate)				Prepared: 02/20/2024 Analyzed: 02/21/2024					
n-Hexane		26.2	0.522	ug/m ³	25.0					4.49	25
o-Xylene		4.25	0.643	"	4.18					1.53	25
p- & m- Xylenes		62.0	1.29	"	61.8					0.312	25
p-Ethyltoluene		ND	0.729	"	ND						25
Propylene		15.8	0.255	"	16.3					3.18	25
Styrene		0.568	0.631	"	ND						25
Tetrachloroethylene		9.05	1.01	"	8.85					2.25	25
Tetrahydrofuran		ND	0.874	"	ND						25
Toluene		10.8	0.558	"	10.6					2.08	25
trans-1,2-Dichloroethylene		ND	0.588	"	ND						25
trans-1,3-Dichloropropylene		ND	0.673	"	ND						25
Trichloroethylene		ND	0.199	"	ND						25
Trichlorofluoromethane (Freon 11)		ND	0.833	"	ND						25
Vinyl acetate		ND	0.522	"	ND						25
Vinyl bromide		ND	0.648	"	ND						25
Vinyl Chloride		ND	0.189	"	ND						25
Xylenes, Total		66.2	1.93	"	66.0					0.389	200





Sample and Data Qualifiers Relating to This Work Order

TO-LCS-L	The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less 70% of the expected value.
TO-CCV	The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).
QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

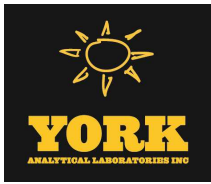
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon 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.

Revision Description: This report has been revised to include Total Xylenes and Naphthalene in Samples and QC.



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Field Chain-of-Custody Record - AIR

YORK Project No.
24130 067

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. signature binds you to YORK's Standard Terms & Conditions.

Your Page 1 of 1

Report To:		Invoice To:	
Company:	Address:	Company:	Address:
Phone:	Contact:	Phone:	Contact:
E-mail:		E-mail:	

YOUR Information		YOUR Project Number	
Company:	Address:	170340203	
Phone:	Contact:	YOUR Project Name	
E-mail:		ABC Block 24	
YOUR PO#:		Turn-Around Time	
		RUSH - Next Day	
		RUSH - Two Day	
		RUSH - Three Day	
		RUSH - Four Day	
		Standard (5-7 Day) <input checked="" type="checkbox"/>	

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum		Canister ID	Flow Cont. ID	Analysis Requested
			Before Sampling (in Hg)	After Sampling (in Hg)			
024174-BL-1A01-MN300-021024	2/10/24 15:47	A1	-29.5	-5	20665	13559	TO-15 VOCs
024174-BL-1A02-MN300-021024	↓ 15:39	A1	-27	-5	4184A	19410	↓
024174-A01-021024	↓ 15:50	A0	-29.5	-5	288A1	16424	↓

Certified Canisters: Batch Individual Reporting Units: ug/m³ ___ ppbv ___ ppmv ___

Comments:
cc: data management@langan.com & ames@ci.langan.com

Detection Limits Required		Sampling Media	
≤ 1 ug/m ³	Routine Survey	6 Liter Canister	Tedlar Bag
NYSDEC V1 Limits		Date/Time	
Other		2/12/24 10:20	
Samples Relinquished by / Company		Date/Time	
Samples Relinquished by / Company		Date/Time	
Samples Relinquished by / Company		Date/Time	
Samples Relinquished by / Company		Date/Time	

APPENDIX D
DATA USABILITY SUMMARY REPORT

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

To: Greg Wyka, Langan Senior Project Geologist
From: Joe Conboy, Langan Senior Staff Chemist
Date: March 13, 2024
Re: Data Usability Summary Report
For ABC Block 26
February 2024 Soil Vapor and Ambient Air Samples
Langan Project No.: 170340203

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of air samples collected in February 2024 by Langan Engineering and Environmental Services at the ABC Block 26 site. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration # 10854 and 12058) for volatile organic compounds (VOCs) by the methods specified below.

- VOCs by USEPA Method TO-15

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedure (SOP) #HW-31, "Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15" (September 2016, Revision 6),
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

Validation includes review of the analytical data to verify that data are easily traceable and sufficiently complete to permit logical reconstruction by a qualified individual other than the originator.

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs

Technical Memorandum

values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. The SDGs 24B0667 and 24B1051 underwent Tier 1 validation review.

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

- R** – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
- J** – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ** – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
- U** – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- NJ** – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

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

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

MAJOR DEFICIENCIES:

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

Technical Memorandum

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

VOCs by USEPA Method TO-15:

24B0667

The MB for batch BB41189 exhibited a detection of 1,2,4-trichlorobenzene (0.742 ug/m³) and isopropanol (0.590 ug/m³). The associated detected results <10x blank contamination in samples C241174_AA01_021024, C241174_BL-IA01_MW30D_021024, and C241174_BL-IA02_MW34D_021024 are qualified as J because of potential blank contamination.

The batch canister certification 28841 exhibited detections of acrylonitrile (0.33107 ug/m³) and isopropanol (0.675 ug/m³). The associated detected results in sample C241174_AA01_021024 are qualified as J at the sample concentration because of potential blank contamination.

24B1051

The MB for batch BB41689 exhibited detections of acrylonitrile (0.217 ug/m³) and tetrachloroethylene (0.678 ug/m³). The associated detected results in samples C241174_AA02_021724, C241174_LR-IA01_MW30D_021704, and C241174_LR-IA02_MW34D_021704 are qualified as J or as U at the sample concentration because of potential blank contamination. Results that are >10x blank contamination require no qualification.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. No other deficiencies were identified.

24B0667

The batch canister certification 41844 exhibited a detection of isopropanol (0.5 ug/m³). The associated results are >10X the contamination. No qualification is necessary.

The batch canister certification 20665 exhibited detections of acrylonitrile (0.37521 ug/m³) and isopropanol (0.650 ug/m³). The associated results are either non-detect or >10X the contamination. No qualification is necessary.

Technical Memorandum

Data Usability Summary Report
For ABC Block 26
February 2024 Soil Vapor and Ambient Air Samples
Langan Project No.: 170340203
March 13, 2024 Page 4 of 4

CONCLUSION:

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

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

Signed:



Joe Conboy
Senior Staff Chemist

**Data Usability Summary Report
 For ABC Block 26
 February 2024 Soil Vapor and Ambient Air Samples
 Table 1: Sample Summary**

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
24B0667	24B0667-01	C241174_BL-IA01_MW30D_021024	2/10/2024	Tier 1	VOCs by TO-15
24B0667	24B0667-02	C241174_BL-IA02_MW34D_021024	2/10/2024	Tier 1	VOCs by TO-15
24B0667	24B0667-03	C241174_AA01_021024	2/10/2024	Tier 1	VOCs by TO-15
24B1051	24B1051-01	C241174_AA02_021724	2/17/2024	Tier 1	VOCs by TO-15
24B1051	24B1051-02	C241174_LR-IA01_MW30D_021704	2/17/2024	Tier 1	VOCs by TO-15
24B1051	24B1051-03	C241174_LR-IA02_MW34D_021704	2/17/2024	Tier 1	VOCs by TO-15

Data Usability Summary Report
For ABC Block 26
February 2024 Soil Vapor and Ambient Air Samples
Table 2: Validator-Applied Qualification

SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
24B0667	C241174_AA01_021024	TO15	67-63-0	Isopropanol	J
24B1051	C241174_LR-IA01_MW30D_021704	TO15	107-13-1	Acrylonitrile	U(0.336)
24B1051	C241174_LR-IA02_MW34D_021704	TO15	107-13-1	Acrylonitrile	J

APPENDIX E
PHOTOGRAPHIC LOG

Photographic Log



Photo 1 (2/10/2024): View of the baseline indoor air sample next to MW30D

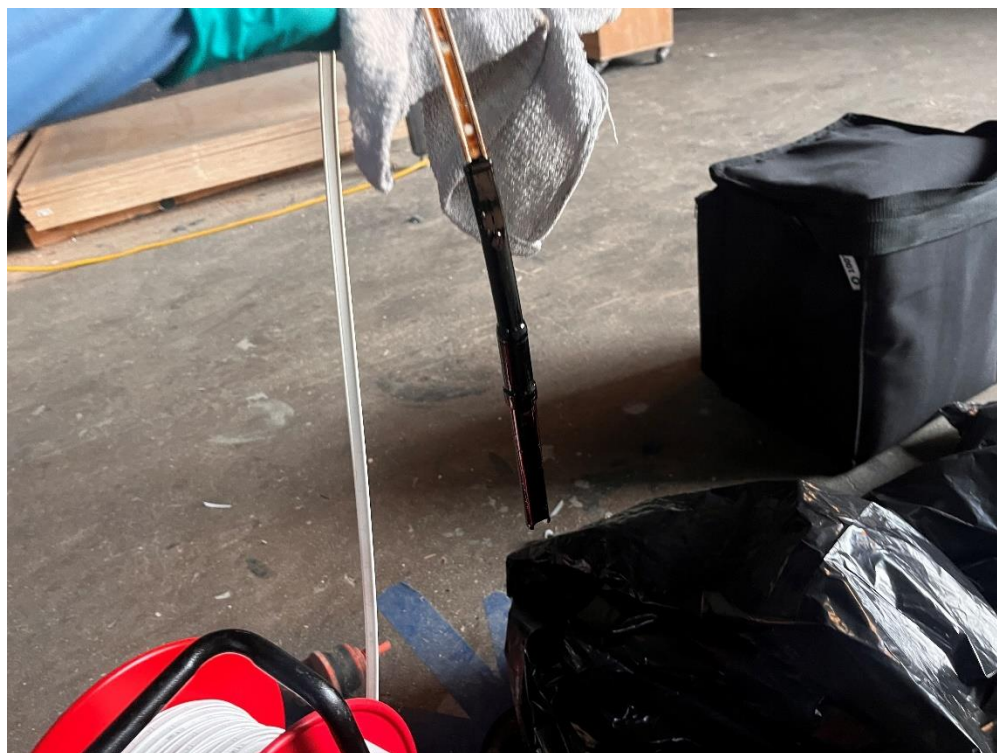


Photo 2 (2/10/2024): View of Langan gauging LNAPL at MW30D



Photo 3 (2/10/2024): View of Langan installing an absorbent sock at MW30D



Photo 4 (2/17/2024): View of the ambient air sample



Photo 5 (2/17/2024): View of indoor air sample near MW30D during sock changeout event

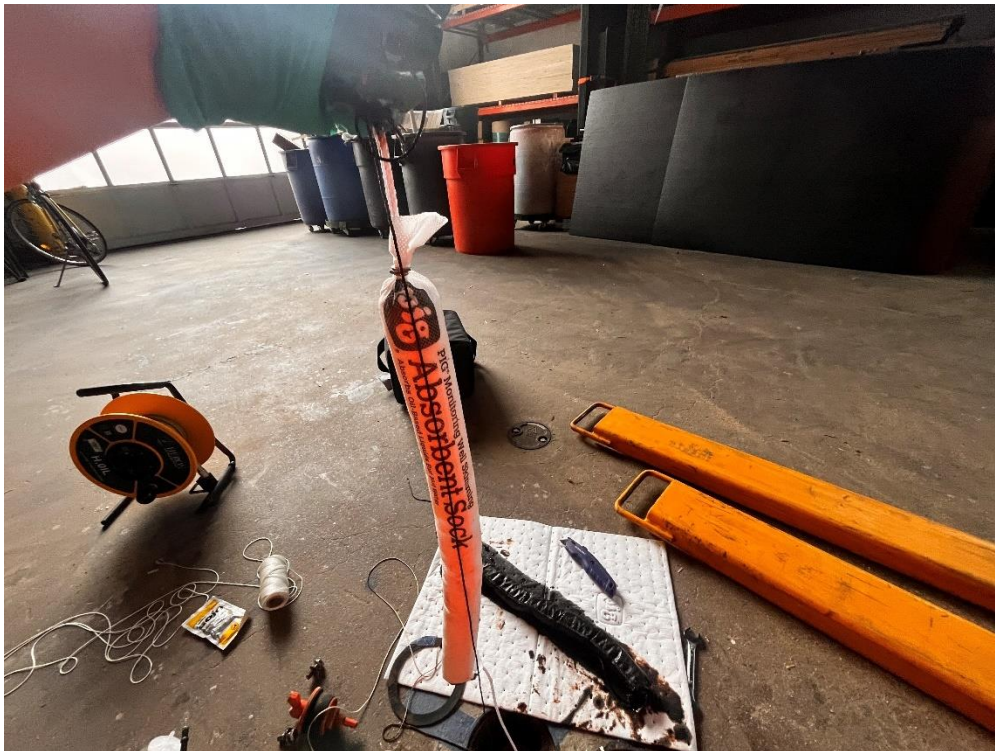


Photo 6 (2/17/2024): View of Langan replacing a spent absorbent sock at MW30D



Photo 7 (2/17/2024): View of indoor air sampling at MW34D during sock changeout event



Photo 8 (2/17/2024): View of Langan gauging LNAPL at MW34D